Redacted

FLORIDA PUBLIC SERVICE COMMISSION
AUDIT DOCUMENT/RECORD REQUEST
NOTICE OF INTENT

TO: Maritza Jacono

UTILITY: Progress Energy – Florida

Carl Vinson
AUDIT MANAGER

FROM: Vinson

REQUEST NUMBER: DR-3

DATE OF REQUEST: 4/08/08

AUDIT PURPOSE: Nuclear Controls Review

REQUEST THE FOLLOWING ITEM(S) BE PROVIDED BY: 4/21/08

REFERENCE RULE 25-22.006, F.A.C., THIS REQUEST IS MADE: ____ INCIDENT TO AN INQUIRY

__X__ OUTSIDE OF AN INQUIRY

ITEM DESCRIPTION:

Levy Units 1 and 2

1.a. Please provide current copies of all project planning documents for Levy Units 1 and 2.
b. Please list and describe the planning and design documents and/or systems used to support, develop and maintain the project plan for Levy Units 1 and 2.

2. a. Please provide current copies of all project management documents for the Levy Units 1 and 2.
b. Please list and describe the project management documents and/or systems used to track work completion and schedule status for Levy Units 1 and 2.

3. a. Please provide current copies of all contractor evaluation and quality assurance documents for Levy Units 1 and 2.
b. Please list and describe the contractor evaluation and quality assurance documents and/or systems used to assess contract compliance, work completion and quality assurance for Levy Units 1 and 2.

4. a. Provide an organizational chart of the organizations and work units responsible for completing Levy Units 1 and 2, including the names of key managers in place.
b. Provide a description of the primary responsibilities for each group involved in the projects' completion.
c. Provide the number of employees in each group.

5. Provide copies of the purchasing, bidding, and contracting procedures applicable to Levy Units 1 and 2.
6. Provide copies of any project management procedures applicable to Levy Units 1 and 2.
7. a. Please list and describe all reporting mechanisms used to provide project status reports and updates to company management, corporate Board of Directors and joint owners.
b. Please provide copies of all Board of Directors and managing committee meeting minutes that pertain to Levy Units 1 and 2.
8. Provide a list of all internal or external audits of Levy Units 1 and 2 planned for the period 2008-2010.
9. Please provide copies of all scoping studies and feasibility studies regarding the construction of Levy Units 1 and 2.
10. Please provide a recap and description of Levy County Units 1 and 2 planning, history, and work accomplished to date.
11. a) Please provide a description of the status of service and/or materials contracts for Levy Units 1 and 2. Please include descriptions of any negotiations that have not yet resulted in bids or contracts.
b) Please provide copies of all executed service and/or materials contracts and addendums for Levy Units 1 and 2.
c) Please provide copies of all sole-source or single-source justification explanations for any applicable Levy Units 1 and 2 contracts.
12. Please provide copies of any RFPs issued by PEF for Levy Units 1 and 2 and any RFP responses, bids or proposals received from potential contractors or suppliers.

COM	____
ECR	____
GCL	____
OPC	____
RCP	1
SSC	____
SGA	____
ADM	____
CLK	____

DOCUMENT NUMBER-DATE
06589 JUL 29 08
FPSC-COMMISSION CLERK

13. Please provide a description and timeline of planned 2008 Levy Units 1and 2 activities, events, work and milestones.

14. Please provide a description and timeline of NRC and other regulatory applications, approvals, and certifications that are required for Levy Units 1 and 2 over the period 2008-2010.

15. Please provide a description of how the company plans to coordinate the activities and workloads for the CR3 uprate project with those of Levy Units 1 and 2 construction projects. Include discussion of whether the management and support organizations may be involved in both projects, either simultaneously or phased from one to the other during later stages.

TO: AUDIT MANAGER Carl Vinson DATE: 4/22/08

THE REQUESTED RECORD OR DOCUMENTATION:

(1) ☐ HAS BEEN PROVIDED TODAY

(2) ☐ CANNOT BE PROVIDED BY THE REQUESTED DATE BUT WILL BE MADE AVAILABLE BY _____

(3) ☒ AND IN MY OPINION, ITEMS(S) 7a and 7b IS (ARE) PROPRIETARY AND CONFIDENTIAL BUSINESS INFORMATION AS DEFINED IN 364.183, 366.093, OR 367.156 F.S. TO MAINTAIN CONTINUED CONFIDENTIAL HANDLING OF THIS MATERIAL, THE UTILITY OR OTHER PERSON MUST, WITHIN 21 DAYS AFTER THE AUDIT EXIT CONFERENCE, FILE A REQUEST FOR CONFIDENTIAL CLASSIFICATION WITH THE DIVISION OF COMMISSION CLERK AND ADMINISTRATIVE SERVICES. REFER TO RULE 25-22.006, F.A.C.

(4) ☐ THE ITEM WILL NOT BE PROVIDED. (SEE ATTACHED MEMORANDUM)

SIGNATURE AND TITLE OF RESPONDENT Maritza N. Iacono
Supervisor - Regulatory Planning

CONFIDENTIAL

Levy Nuclear Plant
Land Acquisition

October 15th, 2007

Developed for Jeff Lyash by Garry Miller

Progress Energy

CONFIDENTIAL

COLA and SCA Status

- FL DEP Site Certification Application (SCA) – on track for June 2008 submittal
- NRC Combined Operating License (COL) – on track for July 2008 submittal
- FPSC Need Determination Petition – on track for January 2008 filing

CONFIDENTIAL

Levy Land Use Approvals

- Levy Comprehensive Land Use Plan
  - Comments Received from FL Department of Community Affairs (DCA) – DCA wants:
    - More information on wetlands protection
    - More data on Gulf/Barge Canal impacts
    - Limit on number of MWs
  - Mutually Agreeable Resolution Likely
- PGN beginning development of Site Development Plan package to support Re-zoning decision

CONFIDENTIAL

Levy Land Acquisition

- Closing on Rayonier parcel (~3105 acres) was completed on September 13th
- Adjacent Land Acquisition ("Lybass Property")
  - Verbal offer accepted of $39M for ~ 2159 acres
  - Sale and Purchase contract in routing for approval
  - Access Agreement in routing for approval

CONFIDENTIAL

Lybass Land Acquisition Financial

- Total Cost of ~ Redacted

  Redacted Non-Refundable Payment Due w/in 5 Days of Contract Execution

  - 30 Day Due Diligence Period

  Redacted Additional Non-Refundable Payment w/in 35 Days of Contract Execution

  - Closing to occur by December 14th

Progress Energy

Lybass Property

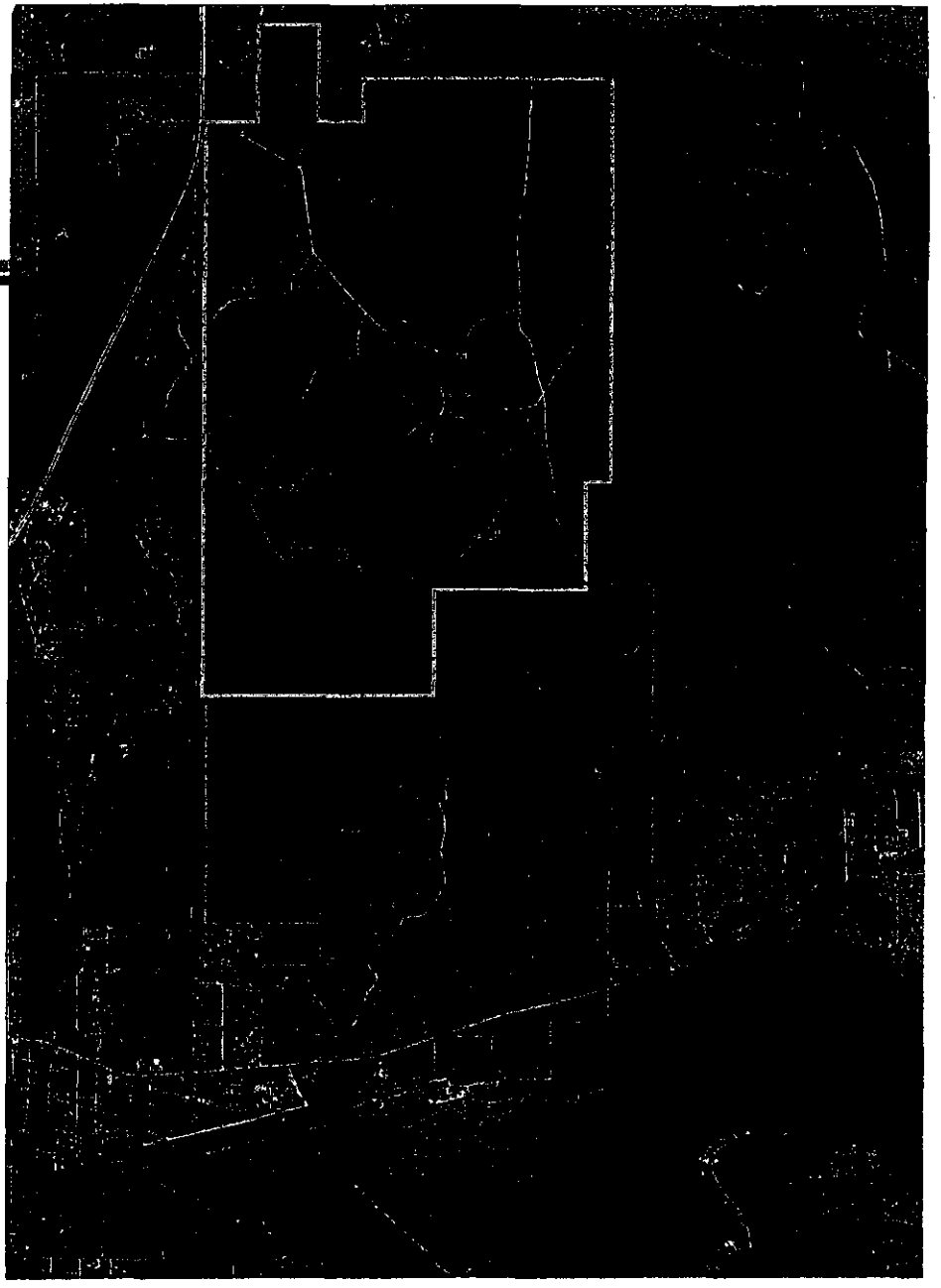
- North ~50 acre parcel used for frontage and access to Rayonier property
- South ~ 2109 acre parcel used for:
  - Heavy Haul Path
  - Make-up / Blowdown Conveyance
  - Transmission Line Routing
  - Future Power Generation or other Uses
- Nuclear Plant Development working with Power Operations Group to lay out the conveyances/transmission to maximize future land use capability

Levy Site

CONFIDENTIAL

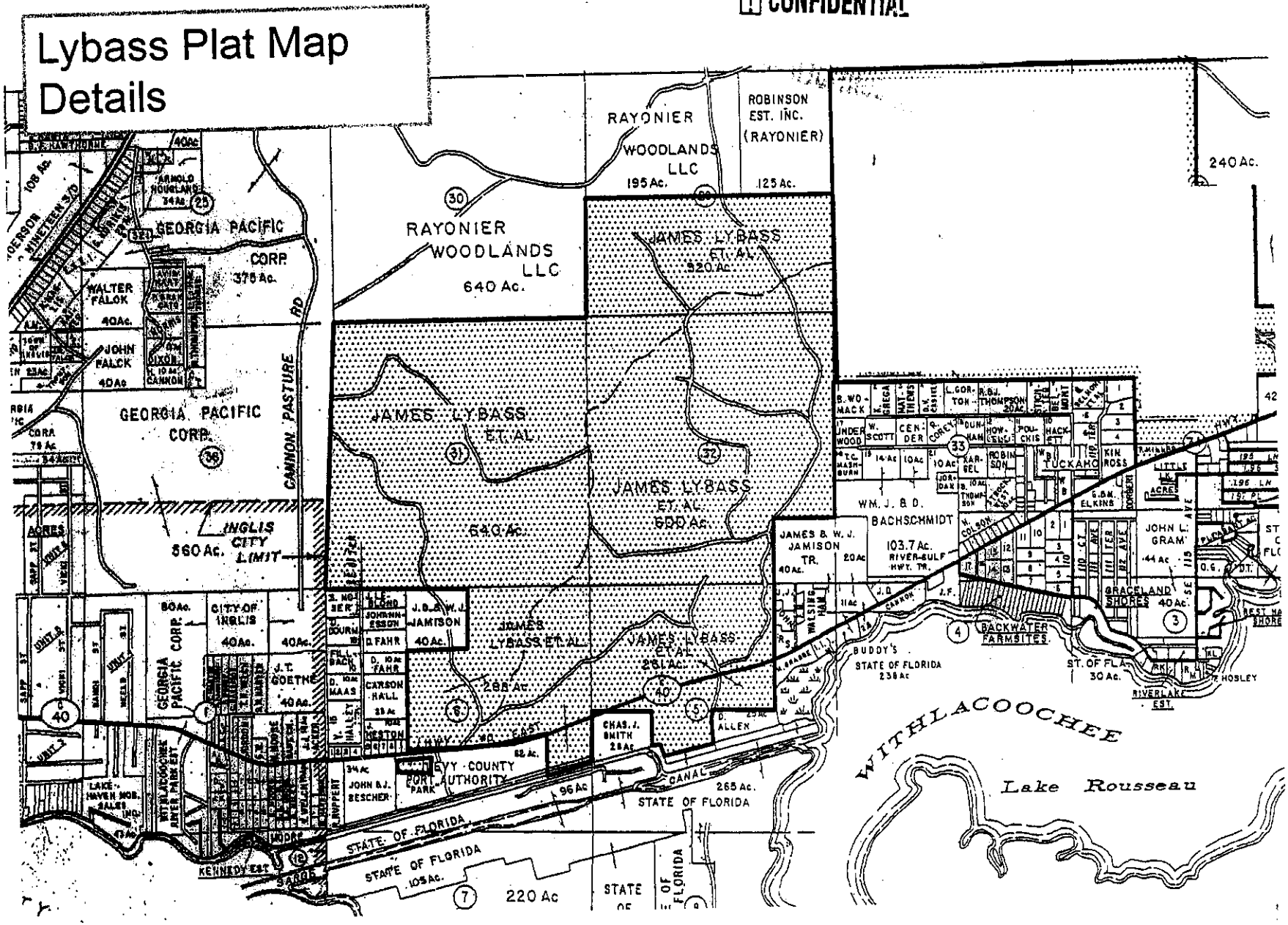
Rayonier property purchased on Sept 14th depicted with yellow outline ~ 3,105 Acres

Lybass additional properties depicted with blue outline ~ 2,159 Acres



CONFIDENTIAL

Lybass Plat Map Details

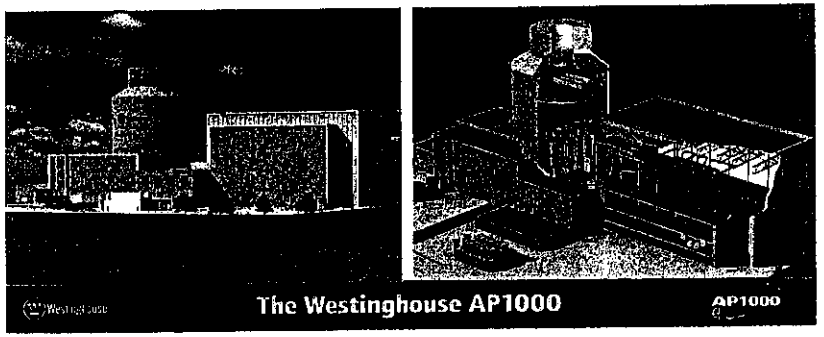


CONFIDENTIAL

New Nuclear Plant Development

AP1000

CNO Briefing
Oct 24th, 2006



Progress Energy

Topics

- NPD Budget Performance
  - JVT PEC / Common COLA Sections
  - JVT PEF COLA
  - Overall Project Performance
  - Project Scope Additions / Deletions
- On-going Contract Negotiations
- 2007 – 2008 Capital Budget Issue
- Project Infrastructure
- Integrated Schedule
- Organization Status
- Project Concerns

NPD Budget Status

CONFIDENTIAL

JVT PEF CWOs (end of Sept)

- WA # 2 Estimated Budget $
- Interim Approved Budget $ Redacted
- Budget Revisions Approved $
- Current Approved Budget $ Redacted
- Amount Invoiced $
- Remaining Approved Budget $ Redacted
- Amount Received by JVT $

Progress Energy

CONFIDENTIAL

NPD Budget Status

PEF Scope Additions – Potential / Pending

- Phase 1 preliminary borings for two Levy sites
- Karst analysis & conceptual remediation design
- Options evaluations and conceptual design of make-up and blowdown
- Met Tower (was budgeted outside of JVT)
- Aerial surveys and contours
- Optimization of cooling tower and condenser performance evaluation

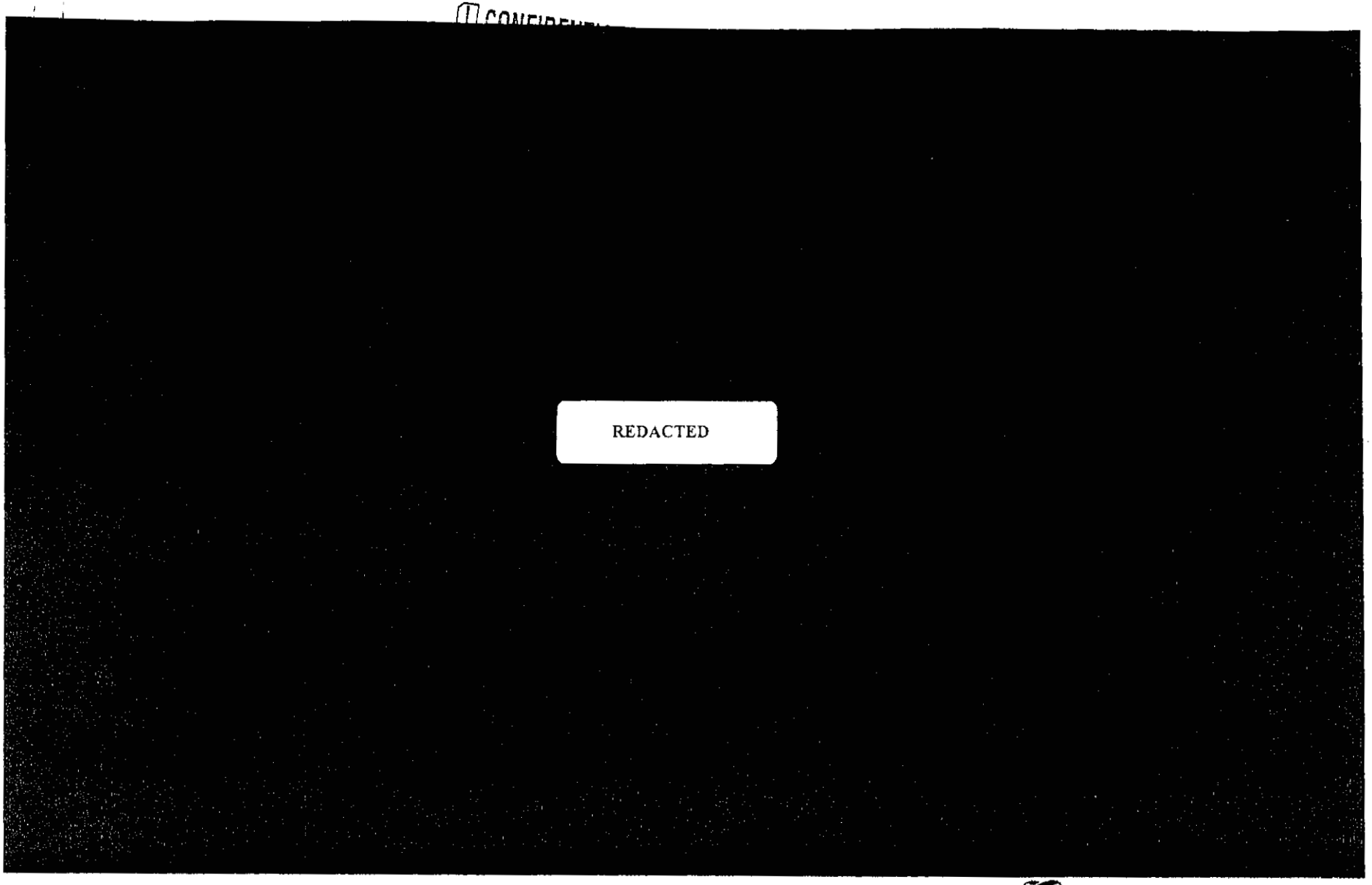
NPD Budget Status

CONFIDENTIAL

Overall Project (in $ M)

Land		Redacted	Redacted	Redacted
JVT COLA				
West & SS&W				
Siting / other				
Legal				
Labor				

Progress Energy



Progress Energy

NPD Contracts - Westinghouse

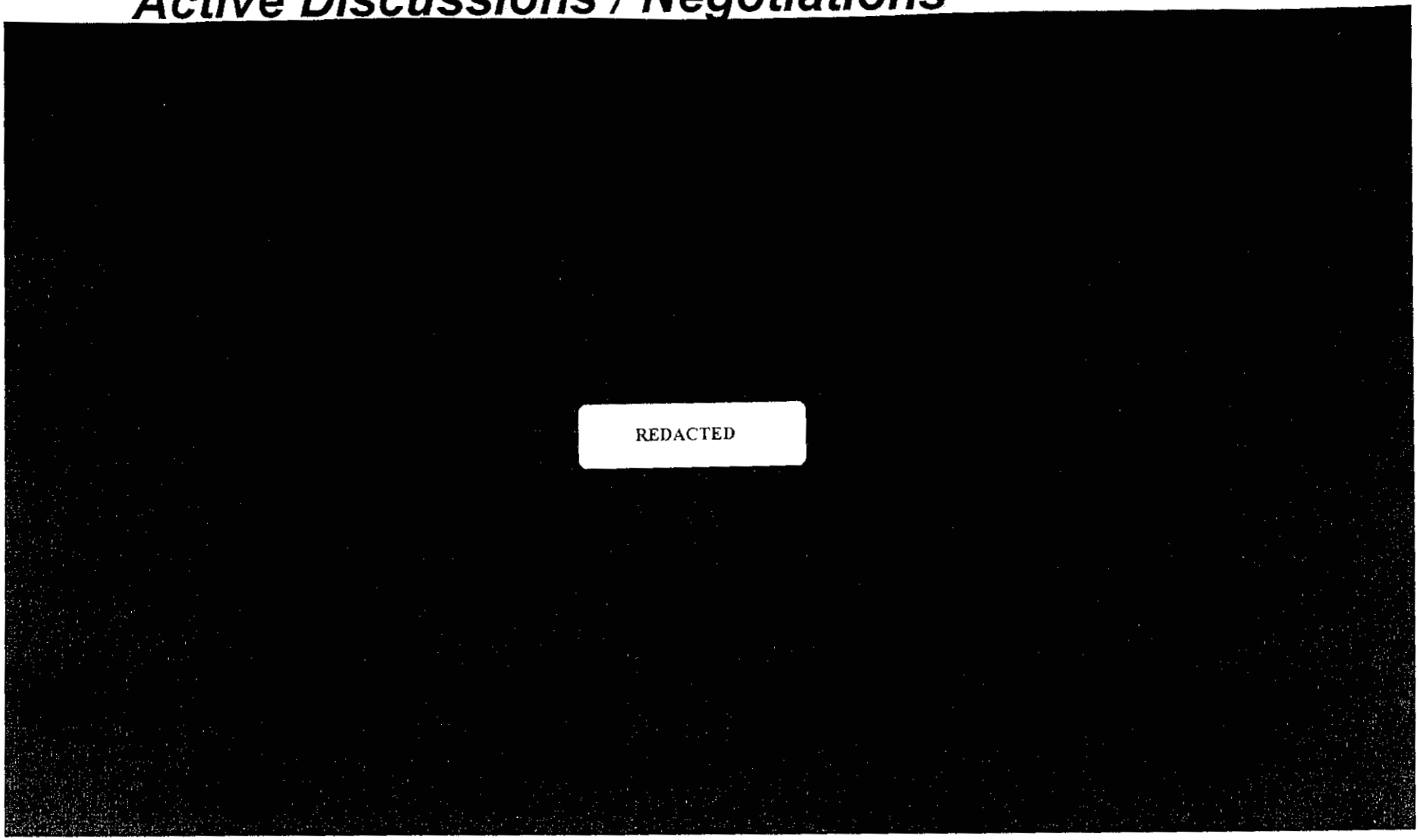
Active Discussions / Negotiations (cont)

- **WEC Revised Phase 1A** long lead equipment scope:
  - Containment vessel
  - Reactor vessel
  - Steam generator
  - Reactor integrated head package
  - CRDMs
  - Reactor internals
  - RCPs
  - Coolant piping loops
  - Accumulator tanks,
  - Core make-up tanks
  - PZR
  - PRHR HX
  - SG & PZR support package
  - VFDs for RCPs
  - Radioactive liquid waste tanks
  - Safety class valves

CONFIDENTIAL

NPD Contracts - Westinghouse

Active Discussions / Negotiations



CONFIDENTIAL

NPD Contracts - Westinghouse

Active Discussion / Negotiations

- **WEC Long Lead Equipment Reservation**
  - No proposal yet
  - *Estimated Request for 2006* **$** Redacted
- **WEC Long Lead Equipment Procurement / Fabrication**
  - WEC July presentation estimated **$** Redacted for 2007 – 2008, assuming 2015 (1st unit) and 2016 (2nd unit) CODs
  - No specific proposal yet
  - Will develop 3-phase/BAP by year end

Progress Energy

NPD Contracts - Shaw Stone & Webster

Active Discussion / Negotiations

- **SS&W Phase 1A**
  - Scope:
    - ◆Preliminary Site Engineering
    - ◆Regional Infrastructure Assessment
    - ◆AP1000 geotechnical assessment
    - ◆Preliminary Site specific schedule
    - ◆Preliminary Site Construction Plan
    - ◆Preliminary Definition of site temporary facilities
  - *Requested Funding for 2006* **$** Redacted

CONFIDENTIAL

Westinghouse AP1000

Summary of Financial Challenges

- WEC requested utility financial support to refine total plant cost ("project infrastructure")
- Supply chain congestion for large and ultra-large forgings with single major supplier (JSW)
- WEC anticipated support for design finalization shortfall
- Proposed LWA changes facilitating site preparation prior to COL
- Equipment and wall type modules fabrication off-site in advance of the start of safety-related construction
- ITAAC Process --- "Operating plant" turnover with ITAAC completion results in early need for operators and maintenance craft
- **Result is increased front-end cash flow loading**

NPD Contracts - Westinghouse

Pending Discussion / Negotiations

- **Shortfall in NuStart / DOE funded Design Finalization**
  - WEC shortfall estimated @ **$** Redacted
  - Potential Impact **$** Redacted (maximum) per AP1000 Builder Group member (assuming 4 buyers)
  - Potential 2007 - 2008 PGN impact is ~ **$** Redacted (maximum) with a target of ~ **$** Redacted

CONFIDENTIAL

NPD Capital Budget

2007 - 2008 Capital Budget - Impact

- Current Financial Planning 2007 budget **DOES NOT** support land acquisition and COLA development in 2007
  - Lybass will exceed $ Redacted budget assumption
- **NO** funding for Long Lead Equipment Procurement, Project Infrastructure, or Owner/Engineer support
  - Long Lead Equipment ~ $
  - Project Infrastructure (W / SS&W) ~ $
  - Owner / Engineer Services ~ $

Redacted

Progress Energy

CONFIDENTIAL

NPD Capital Budget

2007 - 2008 Capital Budget Issue

- 2007 Capital Budget Request $ Redacted
- 2007 Financial Planning Assumption $
  - Based on *"shifted"* 90-Day SRT results (which preceded WEC request for '07 Project Infrastructure / Long Lead Equipment support)
  - Assumes $ Redacted for land
- 2007 Capital Shortfall $ Redacted

- Same problem exists in 2008 and beyond…

Progress Energy

NPD Project Infrastructure

CONFIDENTIAL

Controls & Processes

- Plans for Refinement of total plant costs
  - Improved $ values by end-of 2006
  - Much improved $ values by 4th qtr 2007 via both WEC long lead RFQ results and SS&W site-specific construction planning
- Project Plan (for COLA phase)
- Document Retention /Records Management
- IMS Structure Development
- KPI Development
- Strengthened confidentiality controls

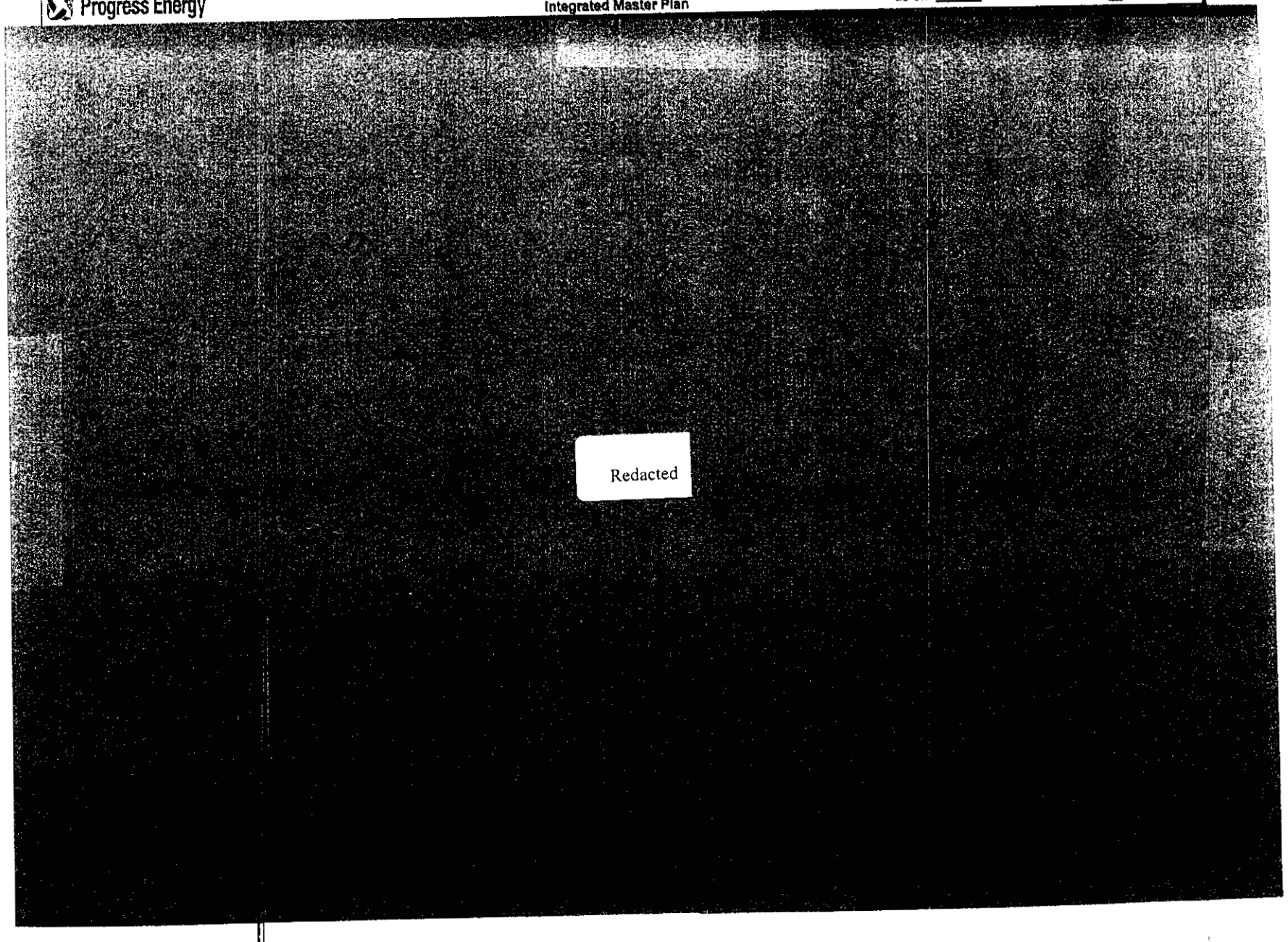
CONFIDENTIAL

NPD Project Schedule

Integrated Schedule

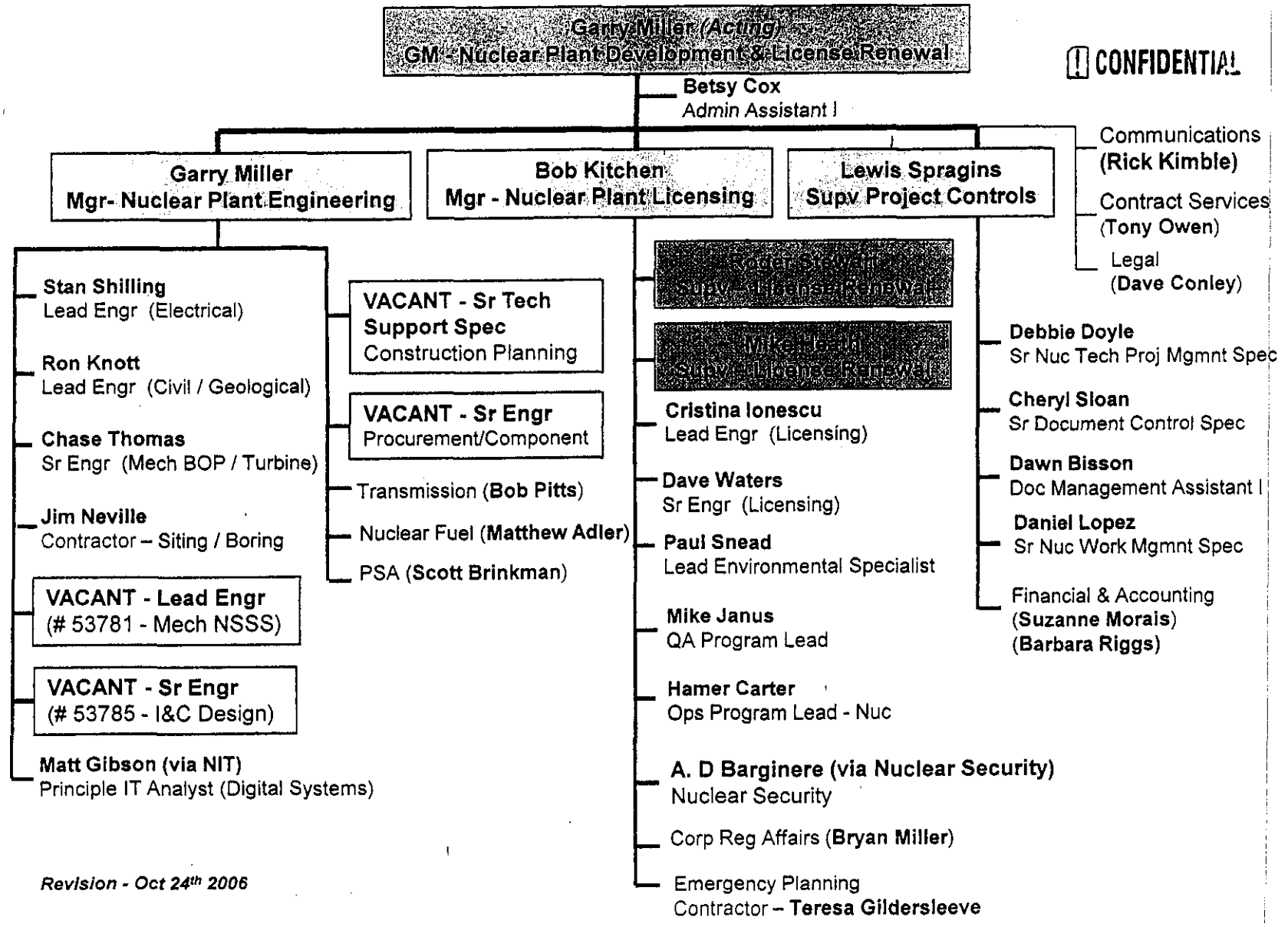
- Integrated high level schedule developed – consistent with SRT recommendation
- Issues developing both internally and with WEC and NRC on the communication of COD dates for REDACTED and PEF

Progress Energy


Redacted

REDACTED

Nuclear Plant Development & Licensing Renewal



Revision - Oct 24th 2006

CONFIDENTIAL

Project Concerns

- 2007 - 2009 Capital funding shortfalls
  - Not supporting WEC project infrastructure for supply chain
  - Not starting site detailed design and construction planning
  - Not developing training and procedures as our peers
  - Not securing long lead equipment
- Florida Site Acquisition

Project Concerns (continued)

- **Regulatory Instability and Resolution**
  - Part 52 , DG 1145 and SRPs final versions
  - Security and Seismic PSHA
- **Florida Site Environmental Permitting Challenges**
- **NuStart (Enercon) execution and product quality**
- REDACTED

CONFIDENTIAL

Monthly Business Review Meeting

June 19, 2007

Levy Nuclear Plant Status

NGG Nuclear Generation Group

Progress Energy

CONFIDENTIAL

Levy Nuclear Plant Status

Topics

- Levy Site Overview
- Levy Activities/Milestones
- AP1000 Reactor Technology Overview
- Plant Staffing
- Costs
- Risks/Mitigation Strategy
- Attachments
  - Cost Recovery
  - Transmission

Levy Nuclear Plant Status

- Site Overview
  - 2 – Westinghouse AP1000 Reactors
  - Forced Draft Cooling towers
  - Intake Structure on Barge Canal at Inglis Locks

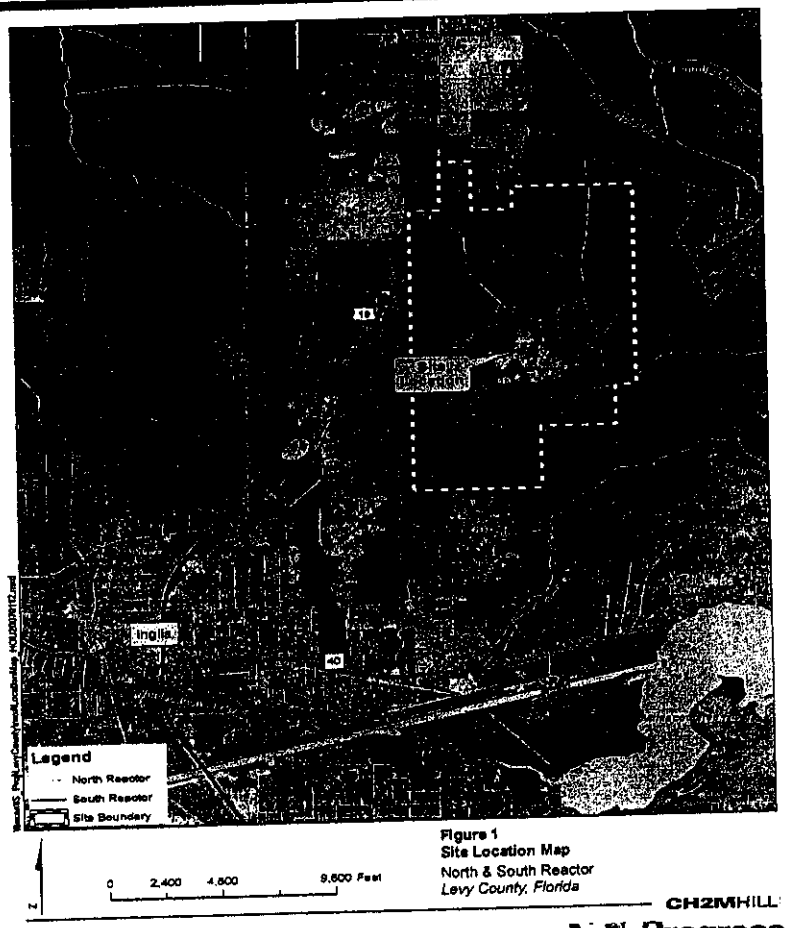
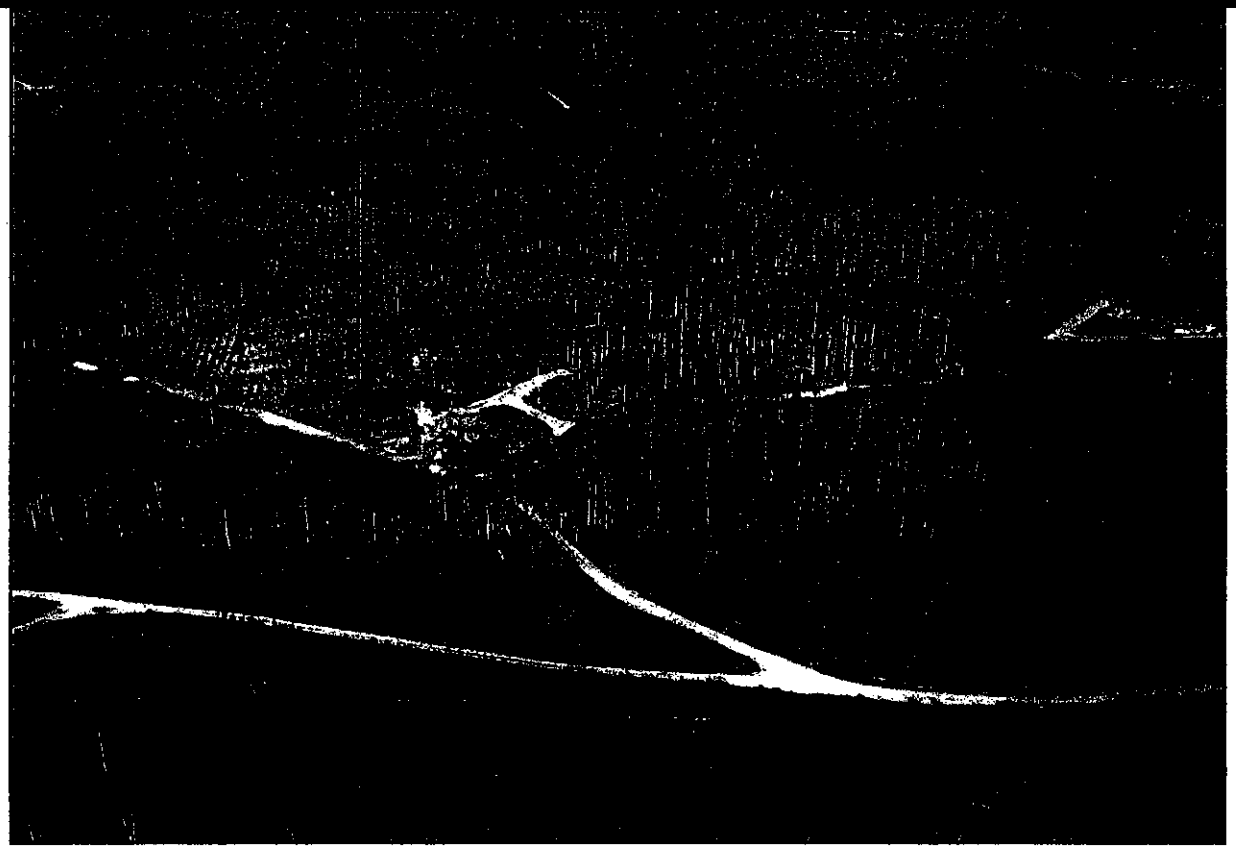


Figure 1
Site Location Map
North & South Reactor
Levy County, Florida

CH2MHILL

Progress Energy

Levy Nuclear Plant Status



Reactor Site looking west

Levy Nuclear Plant Status

• Alternatives Considered

The Best available information shows that new advanced nuclear generation appears to be the most cost-effective, reasonable alternative over the long term, taking into account the need:

- for continued fuel diversity and security,
- for baseload generating capacity,
- to reduce PEF's dependence on foreign fuel supplies (particularly oil and natural gas),
- to reduce greenhouse gas and other air emissions, and
- to contribute to the long term stability and reliability of our electric grid.

Studies and analysis of all available options have been completed to establish the preference and selection of:

- Westinghouse Electric Company's AP1000 Advanced Passive nuclear generation technology as the technology of choice.
- Shaw Stone and Webster as the EPC contractor of choice for engineering, site development and construction, and
- The proposed Levy County Site as the preferred project site.

Levy Nuclear Plant Status

- Levy Activities

Redacted

CONFIDENTIAL

Levy Nuclear Plant Status

- 2007 - 2009 Major Activities
  - 6/07 Operator Training Program Development
  - 9/07 Purchase Rayonier Property
  - 10/07 Conceptual Site Design Complete
  - 11/07 WEC Price Finalization
  - 12/07 Site Design Finalization Commence
  - 1Q/08 EPC Signed
  - 1Q/08 Long Lead Items Ordered
  - 2Q/09 Site Clearing/Excavation

Levy Nuclear Plant Status

• LNP EPACT Milestones

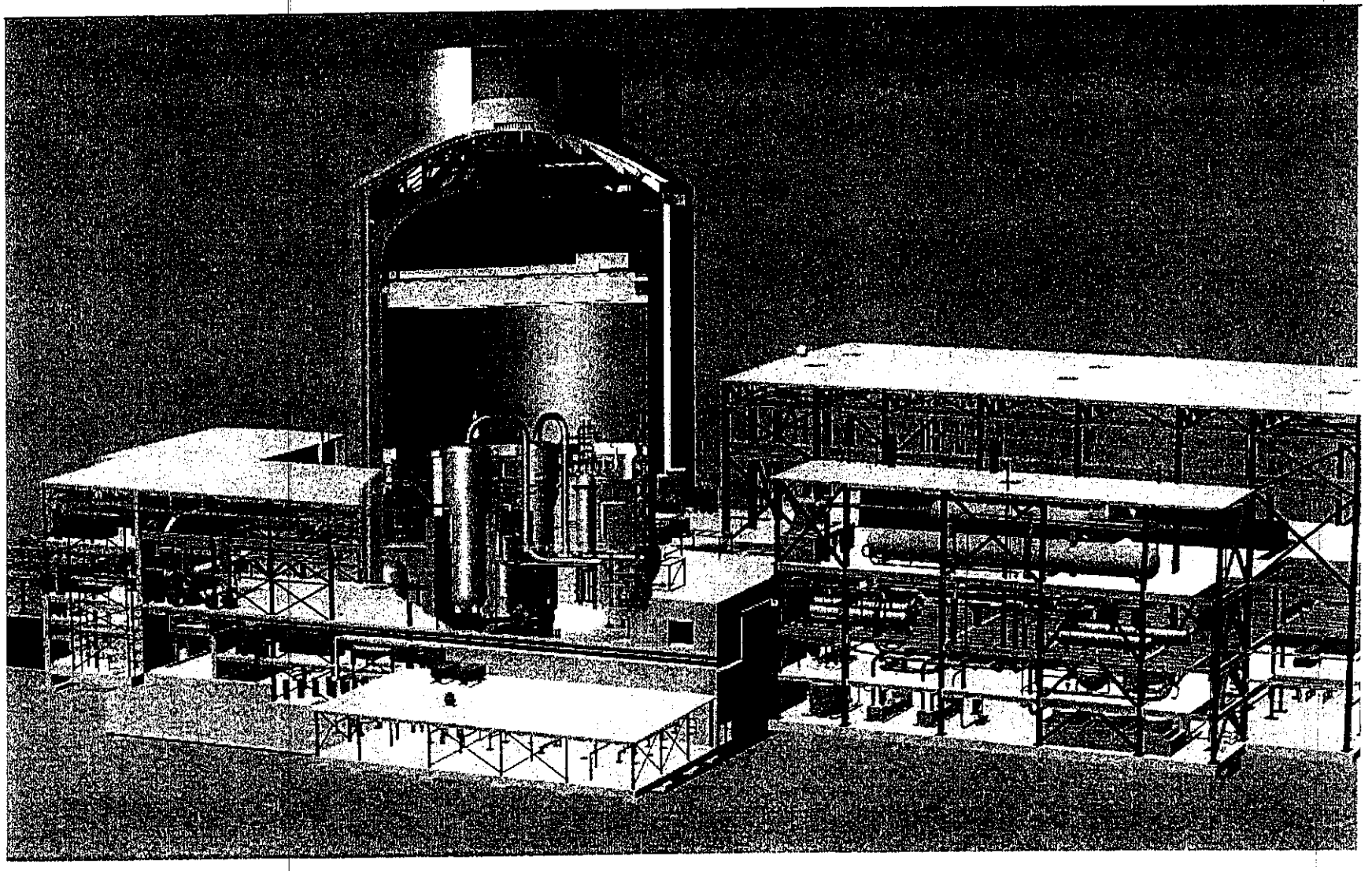
• Milestones	COLA Filed/Accepted	Safety Related Work Start (Concrete)	COD
• Milestone Date	12/31/08	1/1/14	1/1/21
• LNP 1#	7/31/08 (submittal)	1/3/12	6/30/16
• LNP 2#	7/31/08	1/3/13	6/30/17

All PTC milestones met.

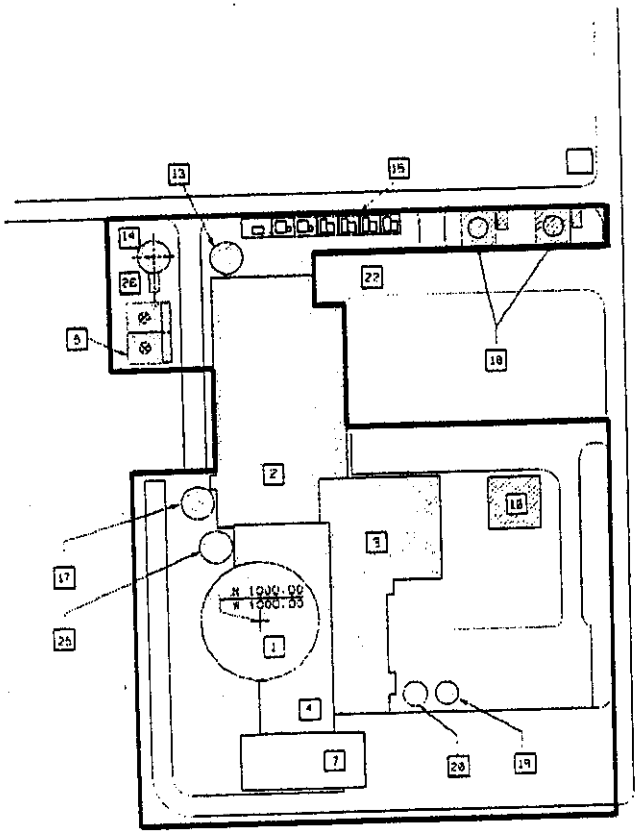
- Assumptions:
- Both the LNP and COLA will be accepted by 12/31/08
- LNP COLA approval 12/2011
- One year separation between LNP 1 and 2.

CONFIDENTIAL

Levy Nuclear Plant Status



Levy Nuclear Plant Status



DENOTES A BUILDING OR STRUCTURE IN THE SCOPE OF AP1000 CERTIFICATION

DENOTES BOUNDARY OF THE PLANT DESIGN FEATURES IN THE SCOPE OF AP1000 CERTIFICATION

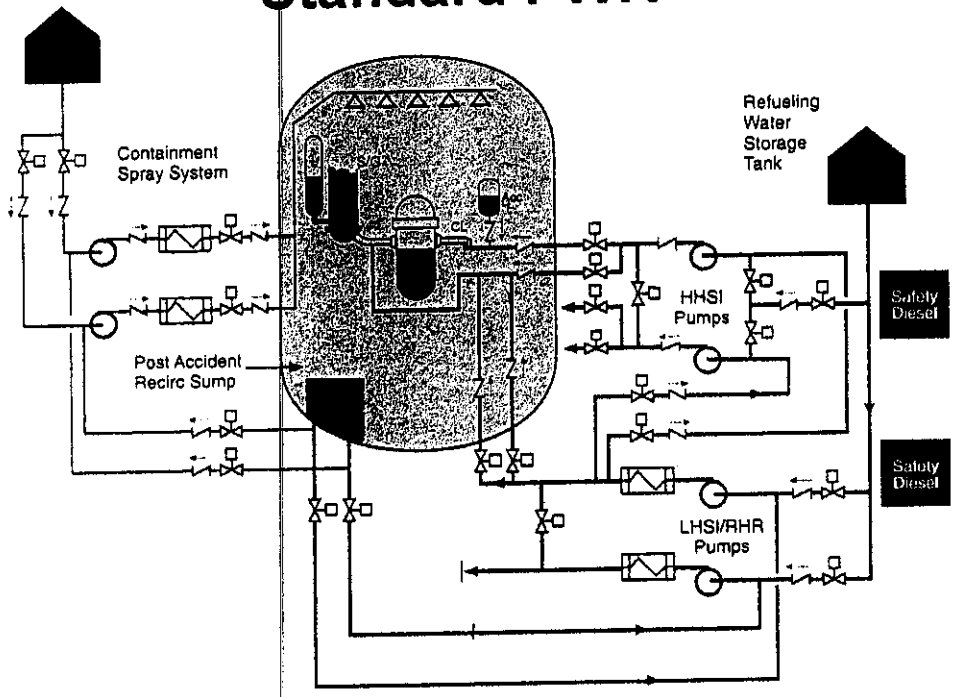
LEGEND

1. CONTAINMENT/SHIELD BUILDING
2. TURBINE BUILDING
3. ANNEX BUILDING
4. AUXILIARY BUILDING
5. SWS COOLING TOWERS
7. RADWASTE BUILDING
8. PLANT ENTRANCE
9. CIRCULATING WATER PUMP INTAKE STRUCTURE
10. DIESEL GENERATOR BUILDING
11. CWS COOLING TOWER
12. CWS INTAKE CANAL
13. FIRE WATER/CLEARWELL STORAGE TANK
14. FIRE WATER STORAGE TANK
15. TRANSFORMER AREA
16. SWITCHYARD
17. CONDENSATE STORAGE TANK
18. DIESEL GENERATOR FUEL OIL STORAGE TANKS
19. DEMINERALIZED WATER STORAGE TANK
20. BORIC ACID STORAGE TANK
21. HYDROGEN STORAGE TANK AREA
22. TURBINE BUILDING LAYDOWN AREA
24. WASTE WATER RETENTION BASIN
25. PASSIVE CONTAINMENT COOLING ANCILLARY WATER STORAGE TANK
26. DIESEL-DRIVEN FIRE PUMP / ENCLOSURE.

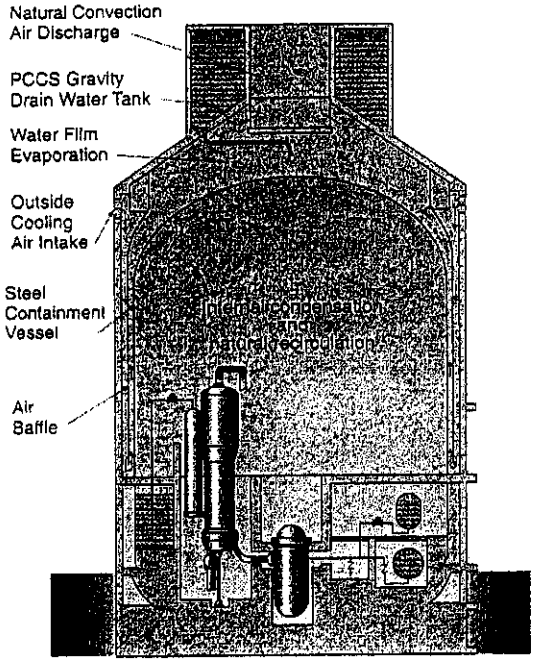
CONFIDENTIAL

Levy Nuclear Plant Status

Standard PWR



AP1000



CONFIDENTIAL

Levy Nuclear Plant Status

LNP Layout and Core Borings

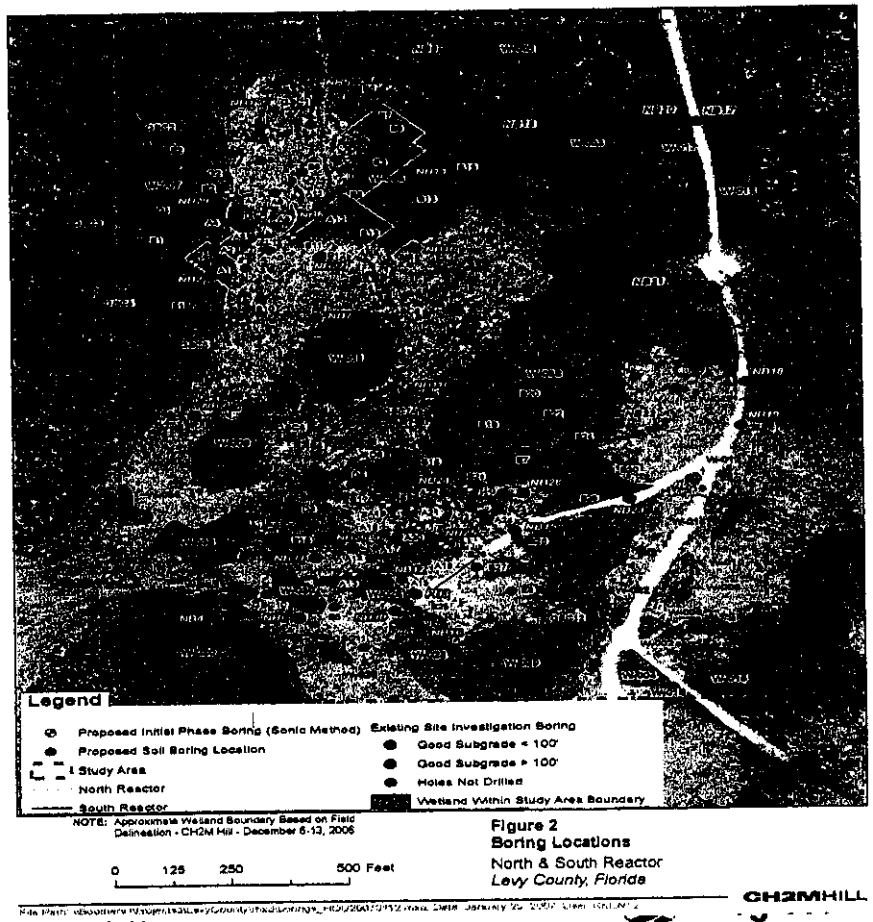


Figure 2
Boring Locations
North & South Reactor
Levy County, Florida

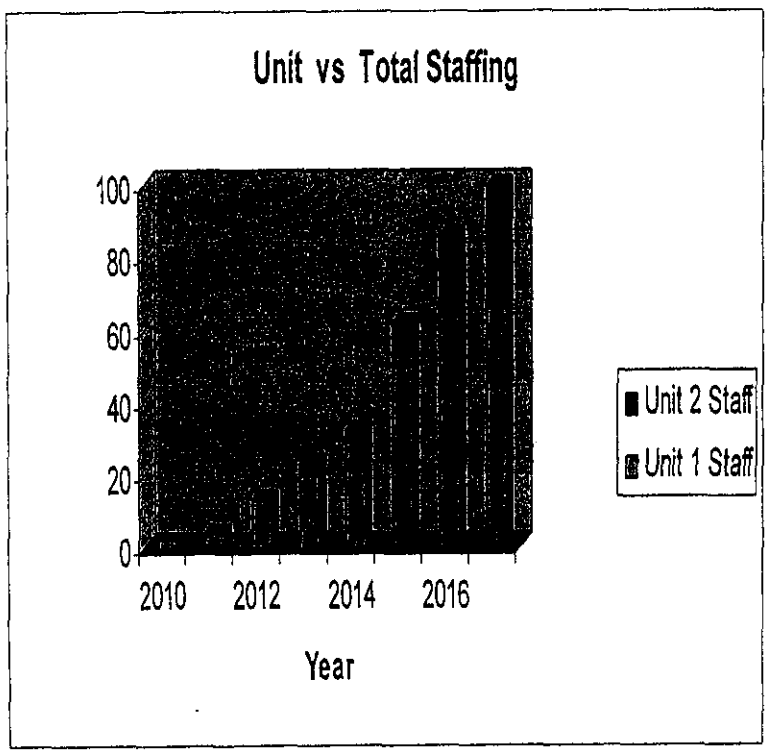
Levy Nuclear Plant Status

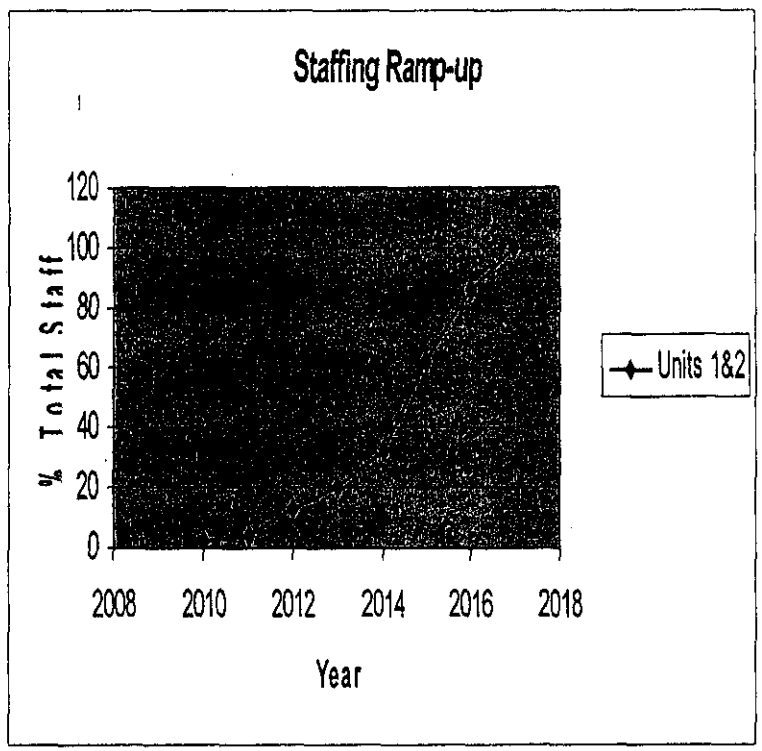
- Staffing/Hiring – 2007-2009
  - Procedure Writers – 2, in support of Builders Group efforts. (late 2007)
  - Construction Supt (2007)
  - Licensing (2008)
  - LNP Leadership/Recruiting (2009)
  - Training Instructors – (2-2008, 6-2009)
  - Increase existing plants Ops and Maint pipeline (2009)
  - Vendor Quality/Procurement Engr (2008)

CONFIDENTIAL

Levy Nuclear Plant Status

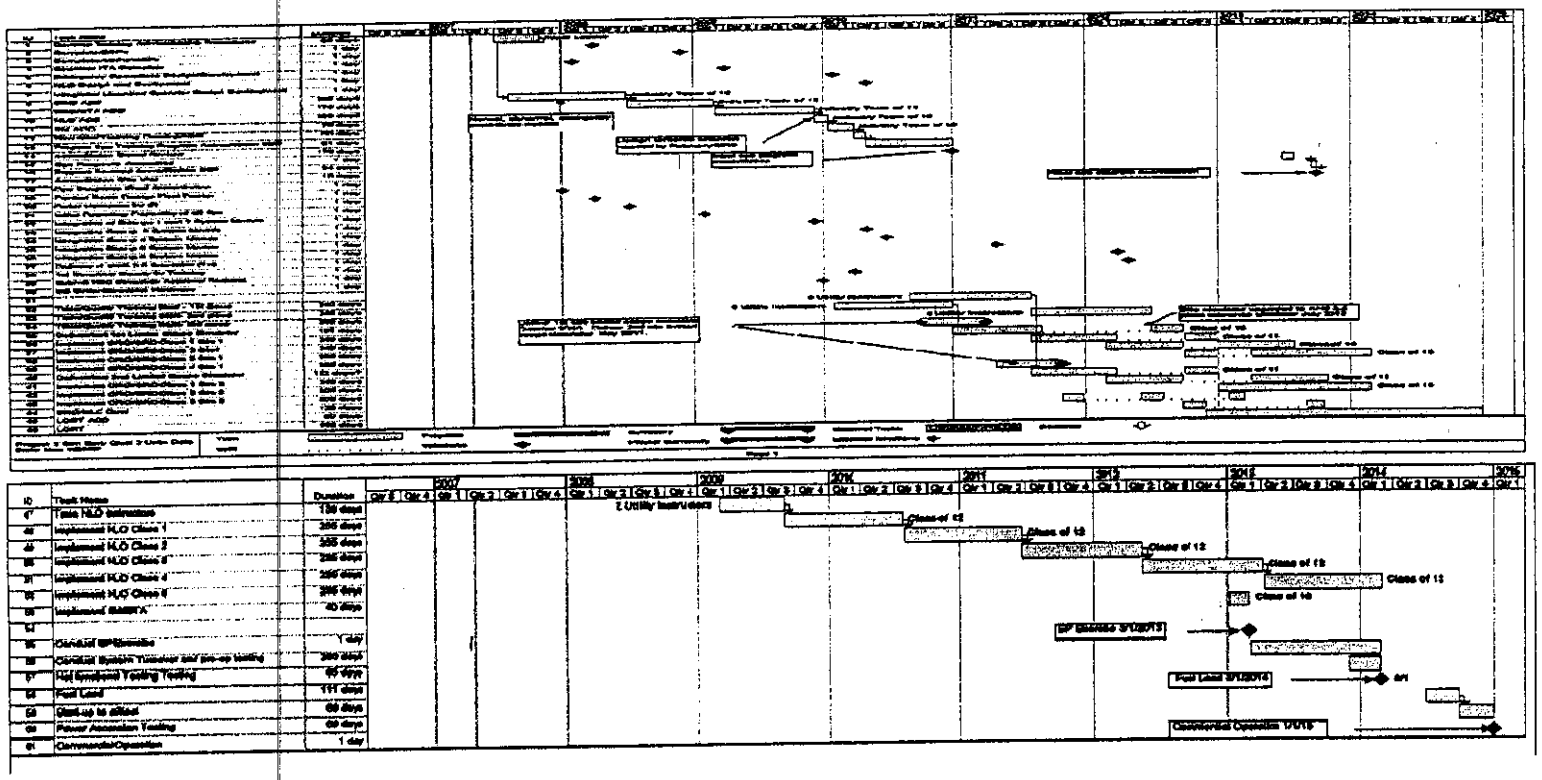
- Plant Staffing – Levy County – 773 total





Levy Nuclear Plant Status

Generic Operations Training Schedule



CONFIDENTIAL

Levy Nuclear Plant Status

• Project Cost Timeline

- June 2006 - Initial CapEx from RFQ provided. Initial AP-1000 Business Plan submitted by Westinghouse Electric Company LLC (WEC). *(Completed)*
- December 2006 - Update to CapEx from WEC, Levy Purchase Agreement finalized, initial total cost estimate completed (includes S&L estimate for site specific items) *(Completed)*
- February 2007 - Update to Technology Evaluation update completed, GFF input provided to System Planning *(Completed)*
- June 2007 – Updated cost estimate for total project cost at time of approval for BAP *(Completed)*
- December 2007 - Price certainty update from WEC, Cost update from Shaw based on 50% completion of the first phase for site specific work, all site land acquisition determined.
- March 2008 - EPC signed.
- December 2008 – First phase for site specific work completed by Shaw, and Design Finalization update from WEC.
- December 2009 - 100% Design Finalization. Total cost true-up of commodities & hours.

CONFIDENTIAL

Levy Nuclear Plant Status

• Cash Flow of Estimated Total Project Cost – Both Units

Expenditure Description	2005 Actual	2006 Actual	2007 Projected	2008 Projected	2009 Projected	2010 Projected	2011 Projected	2012 Projected	2013 Projected	2014 Projected	2015 Projected	2016 Projected	2017 Projected	Total Projected
Land														
COLA Development & Approval														
AP1000 Overnight Capital (CapEx)														
Initial Core Fuel														
Owners Costs - PGN Construction Mgmt														
Owners Costs - Site Perm Structures/Facilities														
Owners Costs - Permanent Staffing & Training														
Owners Costs - Permits, Fees, Insur, Taxes, Misc														
Contingencies														
Levy Nuclear Plant Unit 1 & Unit 2 Total														
AFUDC														
Escalation														
TOTAL														

Redacted

- All estimates reflect gross numbers; *Dollars In Thousands*
- The Financial Plan will assume 20% ownership
- For purposes of this meeting Transmission costs are excluded in this portion of the presentation.

CONFIDENTIAL

Levy Nuclear Plant Status

- Cash Flow of Estimated Total Project Cost – LNP U1

Expenditure Description	2005 Actual	2006 Actual	2007 Projected	2008 Projected	2009 Projected	2010 Projected	2011 Projected	2012 Projected	2013 Projected	2014 Projected	2015 Projected	2016 Projected	Total Projected
Land													
COLA Development & Approval													
AP1000 Overnight Capital (CapEx)													
Initial Core Fuel													
Owners Costs - PGN Construction Mgmt													
Owners Costs - Site Perm Structures/Facilities													
Owners Costs - Permanent Staffing & Training													
Owners Costs - Permits, Fees, Insur, Taxes, Misc													
Contingencies													
Levy Nuclear Plant Unit 1 Total													
AFUDC													
Escalation													
TOTAL													

Redacted

- All estimates reflect gross numbers; Dollars in Thousands
- The Financial Plan will assume 20% ownership
- For purposes of this meeting Transmission costs are excluded in this portion of the presentation.

CONFIDENTIAL

Levy Nuclear Plant Status

- Cash Flow of Estimated Total Project Cost – LNP U2

Expenditure Description	2005 Actual	2006 Actual	2007 Projected	2008 Projected	2009 Projected	2010 Projected	2011 Projected	2012 Projected	2013 Projected	2014 Projected	2015 Projected	2016 Projected	2017 Projected	Total Projected
AP1000 Overnight Capital (CapEx)														
Initial Core Fuel														
Owners Costs - PGN Construction Mgmt														
Owners Costs - Site Perm Structures/Facilities														
Owners Costs - Permanent Staffing & Training														
Owners Costs - Permits, Fees, Insur, Taxes, Misc														
Contingencies														
Levy Nuclear Plant Unit 2 Total														
AFUDC														
Escalation														
TOTAL														

Redacted

- All estimates reflect gross numbers; Dollars In Thousands
- The Financial Plan will assume 20% ownership
- For purposes of this meeting Transmission costs are excluded in this portion of the presentation.

CONFIDENTIAL

CONFIDENTIAL

Levy Nuclear Plant Status

Current Cost Estimates compared to Financial Plan

LNP Unit 1	
Financial Plan	Redacted
Current Cost Estimate	
Financial Plan numbers provided do not include:	
AFUDC	
Fuel	
Plus Current Cost Estimate	Redacted
Total Estimate LNP Unit 1	
LNP Unit 2	
Financial Plan	Redacted
Current Cost Estimate	
Financial Plan numbers provided do not include:	
AFUDC	
Fuel	
Plus Current Cost Estimate	Redacted
Total Estimate LNP Unit 1	

Levy Nuclear Plant Status

- Risk Items
  - Plant Deployment Total Costs
    - Westinghouse contract is not finalized which is 66% of the total project cost (no AFUDC or Transmission). Of this portion of costs WEC estimates:
      -
      - Redacted
    - Commodity increases and Escalation rates.
    - Determination of total owner costs in progress. (i.e. cooling towers, training center, etc.) Confidence in total owners costs: +/- 25%. Finalizing strategy (i.e. turnkey or subcontract
  - AP1000 Deployment Issues
    - Design Finalization
    - Generic Engineering Issues
    - Seismic Issues
  - Siting Risks
    - LNP
      - Non-uniformity in site could require additional borings, additional analysis, and increased plant costs
      - Barge Canal usage/316(b)

Levy Nuclear Plant Status

- Risk Items (cont.)
  - Federal Regulatory Risks
    - Revised Part 52 language on site preparation & excavation (prior to COLA)
    - Part 52 versus Part 73 revision on large fires (aircraft)
    - 9th Circuit Court Terrorist Issues
    - LR/COLA overlap
    - COE Permit Approval
  - State Regulatory Risks
    - Certificate of Need
    - Site Certification

Levy Nuclear Plant Status

- Mitigation Strategies
  - Exit strategy for long lead equipment.
  - Contracts and purchase orders developed shall contain appropriate cancellation clauses or other exit strategies.
  - Contracts will have provisions for termination and suspension for non-performance.
  - In the case of non-performance termination or default, Progress Energy would contract with engineering and construction firms to assume the work.
  - The Nuclear Cost Recovery Rule has been passed to help mitigate the interest rate risk.
  - Utilization of Owners Engineer

CONFIDENTIAL

Levy Nuclear Plant Status

- Cost Recovery Attachment

CONFIDENTIAL

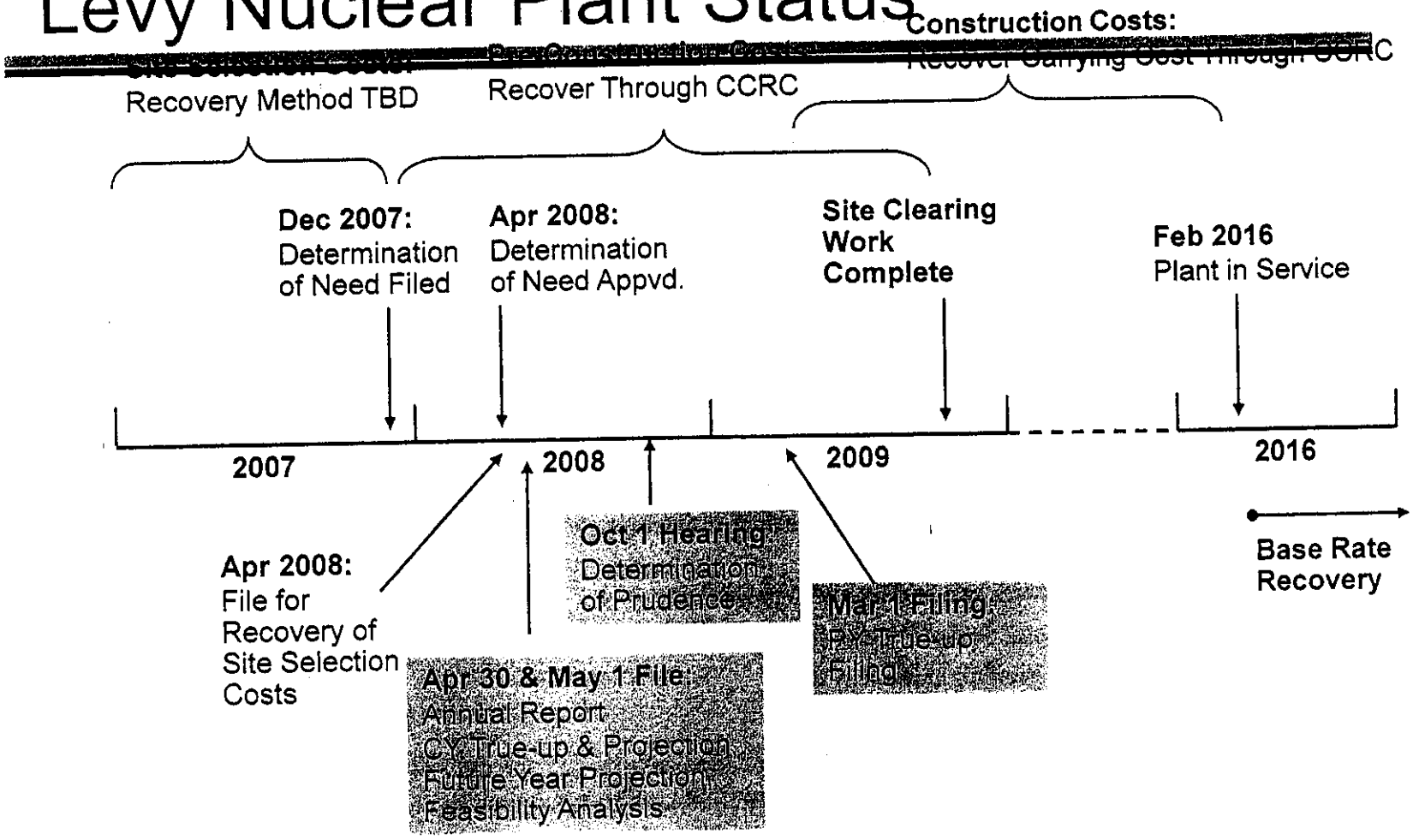
Levy Nuclear Plant Status

Cost Type	Cost Begin	Cost End	Recovery Method
Site Selection	Project Start	Need Petition is filed	To be determined
Pre-Construction	Need Petition is filed	Site Clearing Complete	Capacity Cost Recovery Clause (CCR)
Construction	Construction Begin date	System Commercial Operation	Carrying Costs - CCR Plant In Service - Base Rates

- **Site Selection Costs and Pre-Construction costs** include, but are not limited to:
  - Any and all costs associated with preparing, reviewing and defending a COL application for a nuclear power plant
  - Costs associated with site and technology selection
  - Cost of engineering, designing and permitting the nuclear power plant
  - Cost of clearing, grading and excavation
  - Cost of on-site construction facilities
- **Construction Costs** are those costs that are expended to construct the nuclear power plant including, but not limited to the costs of constructing nuclear power plant buildings and all associated permanent structures, equipment and systems.

CONFIDENTIAL

Levy Nuclear Plant Status



Assume: Determination of Need File in Dec 2007 and approved in April 2008.
Plant goes in Service February 16, 2016

Proprietary and Confidential

Progress Energy

CONFIDENTIAL

Levy Nuclear Plant Status

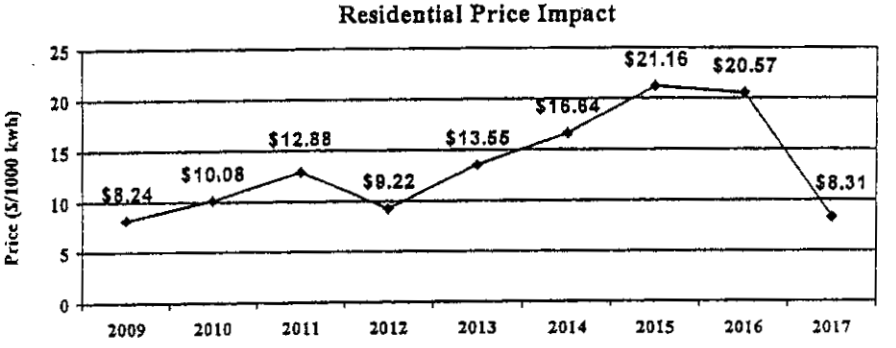
Revenue Requirements ($000's)

Year	Capital	AFUDC	Other
2009	$		
2010			
2011			
2012			
2013			
2014			
2015			
2016			
2017			

Redacted

Redacted

Redacted

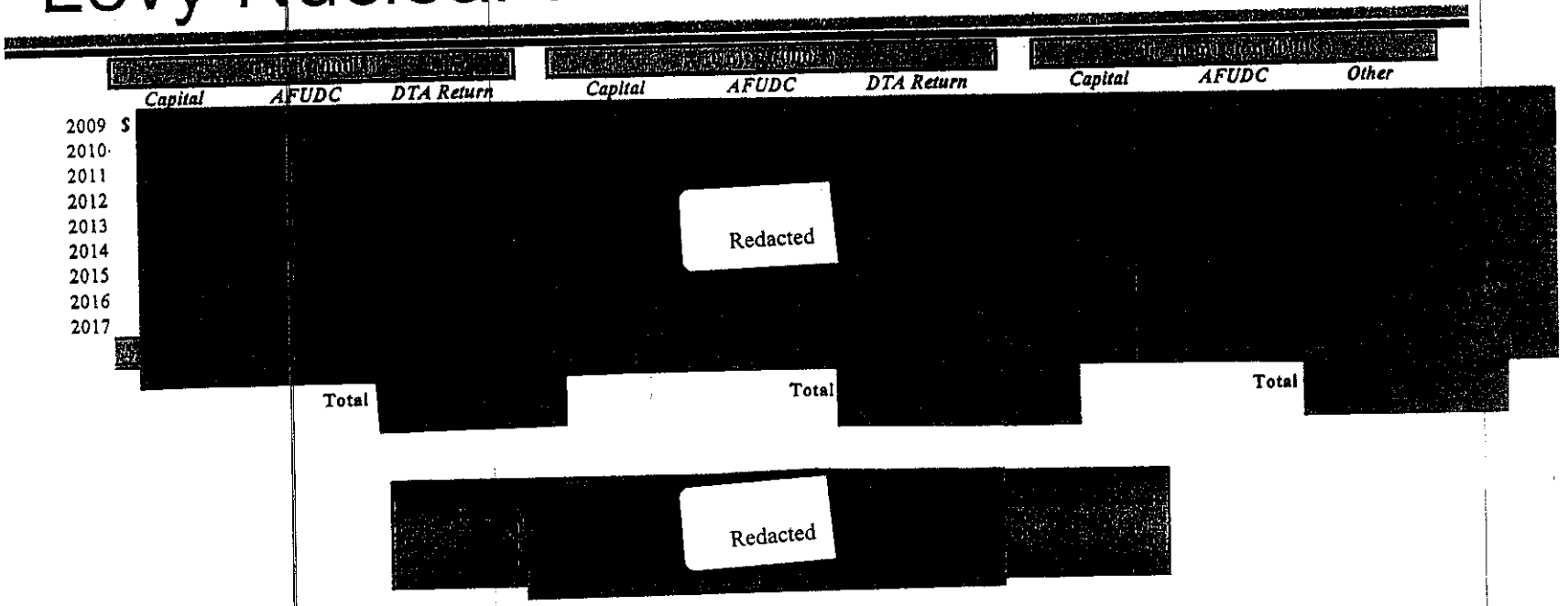


Redacted

- *Key Assumptions:*
  - Capital Expenditures assumes recovery of Site selection and Pre-construction expenditures
  - AFUDC assumes recovery of the carrying costs calculated on Site selection, Pre-construction and Construction Expenditures
  - Other consists of the return on the deferred tax asset that will exist due to capitalized interest and book versus tax differences

CONFIDENTIAL

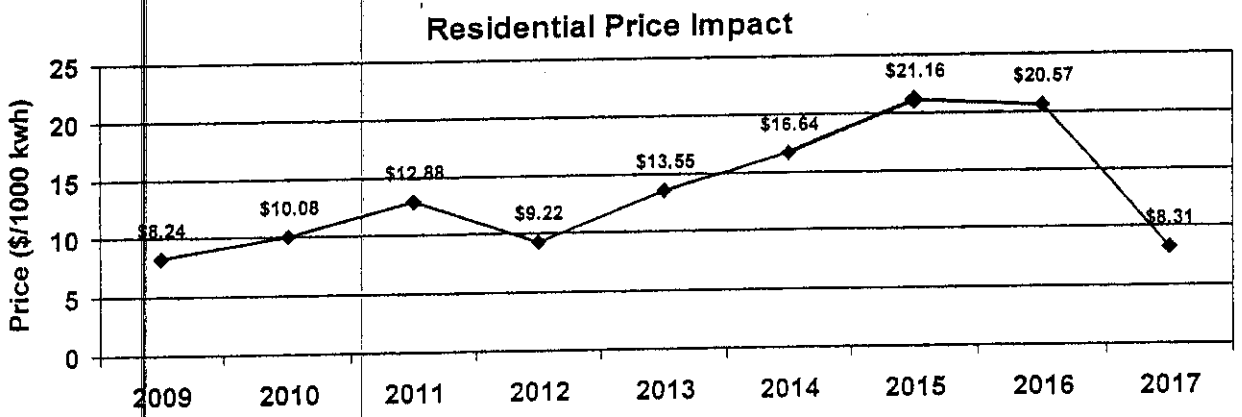
Levy Nuclear Plant Status

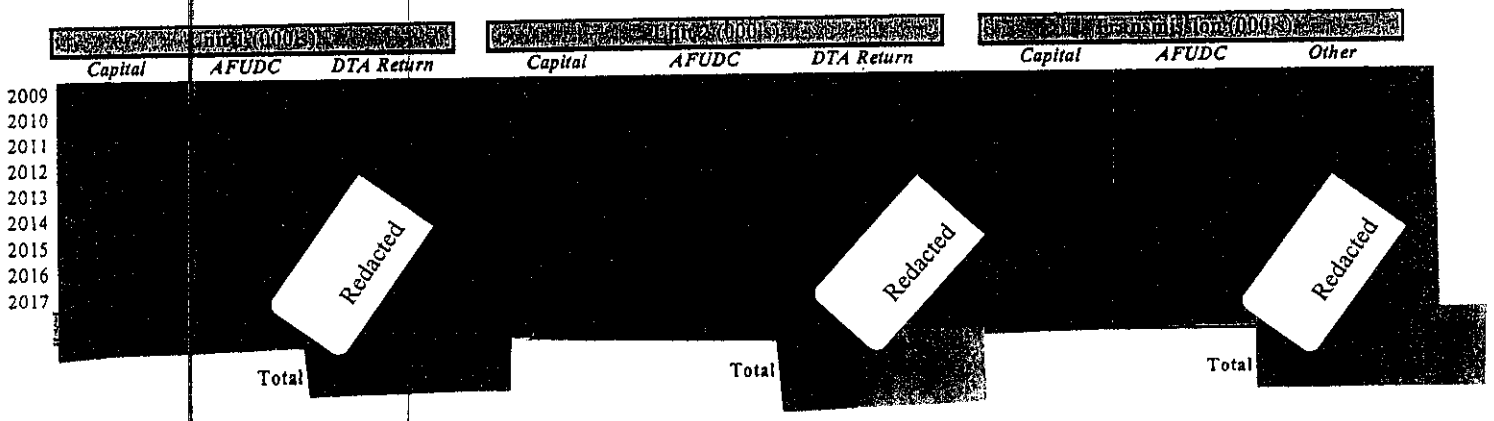


- *Key Assumptions:*
  - Capital Expenditures includes Site selection and Pre-construction expenditures
  - AFUDC (8.848% factor) is calculated on Site selection, Pre-construction and Construction Expenditures
  - There will be a deferred tax asset and we will earn a return on the asset

CONFIDENTIAL

Levy Nuclear Plant Status





Levy Nuclear Plant Status

- Transmission Attachment

CONFIDENTIAL

Levy Nuclear Plant Status

- Cash Flow of Estimated Total Project Cost – Both Units

Expenditure Description	2005 Actual	2006 Actual	2007 Projected	2008 Projected	2009 Projected	2010 Projected	2011 Projected	2012 Projected	2013 Projected	2014 Projected	2015 Projected	2016 Projected	2017 Projected	Total Projected
Land														
COLA Development & Approval														
AP1000 Overnight Capital (CapEx)														
Initial Core Fuel														
Owners Costs - PGN Construction Mgmt														
Owners Costs - Site Perm Structures/Facilities														
Owners Costs - Permanent Staffing & Training														
Owners Costs - Permits, Fees, Insur, Taxes, Misc														
Contingencies														
Levy Nuclear Plant Unit 1 & Unit 2 Total														
Transmission														
Contingency														
Escalation														
AFUDC														
Transmission Total														
LNP Unit 1 & Unit 2 plus Transmission:														
AFUDC														
Escalation														
TOTAL														

Redacted

- All estimates reflect gross numbers; Dollars In Thousands
- The Financial Plan will assume 20% ownership
- Includes Transmission costs

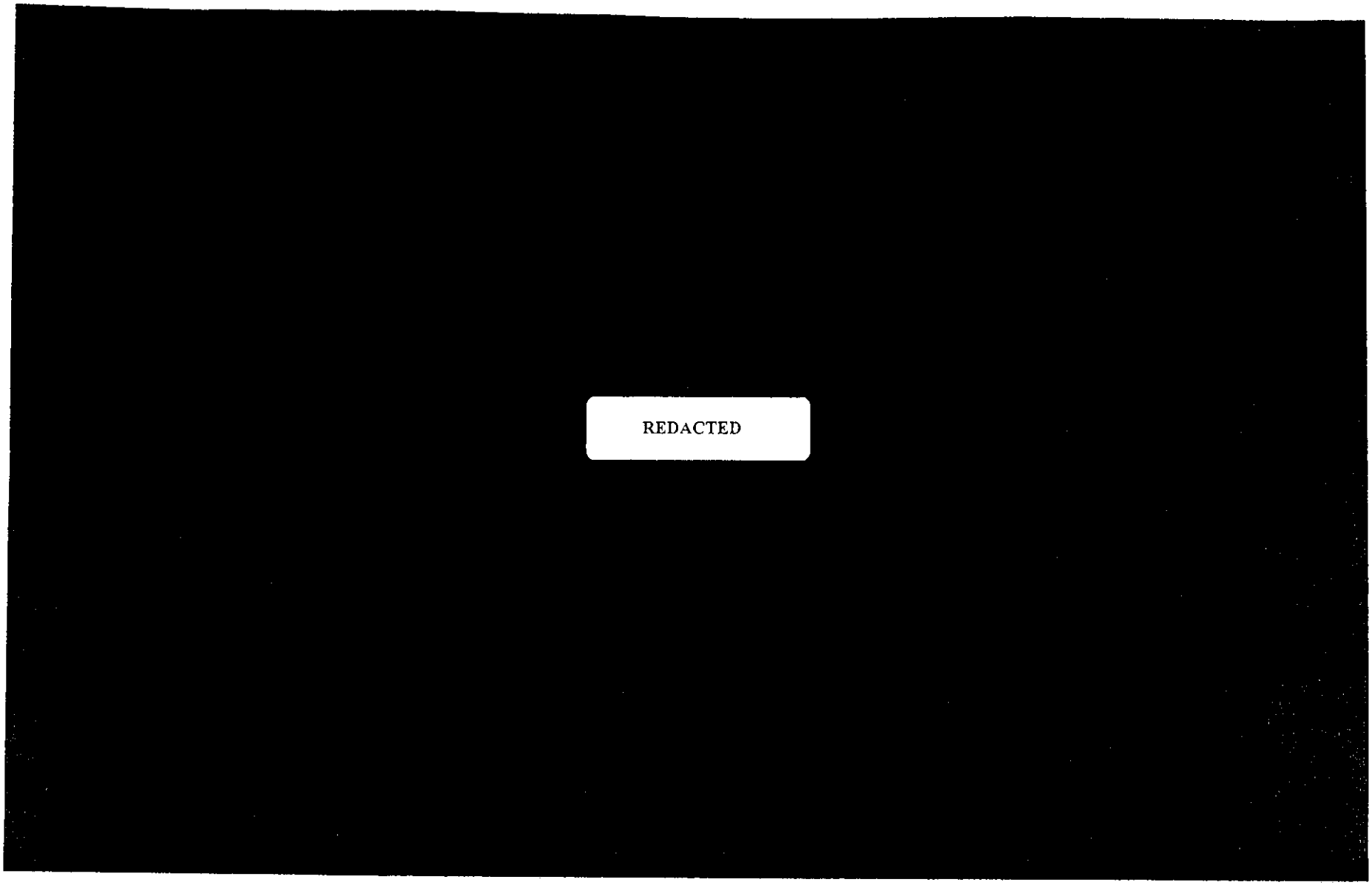
CONFIDENTIAL

Nuclear Plant Development

CNO Briefing

Jan 6th, 2008 by Garry Miller

Progress Energy



Progress Energy

Levy COLA and SCA Status

- COLA development on track for July 2008 submittal
  - Critical path continues through site specific environmental and geotechnical analysis
  - Will incorporate early lessons learned from REDACTED COLA submittal
- Site Certification Application (SCA) development on track for June 2008 submittal

CONFIDENTIAL

Levy NRC Interactions

- NRC Pre-application inspection of Levy site selection process – Jan 7th, 2008 at Raleigh
- Technical meeting with NRC staff *to discuss geotechnical topics associated with the Levy County site* - Jan 10th, 2008 at Rockville, MD (publicly noticed)
  - Includes technical discussion on excavation, dewatering, and engineered backfill alternatives

CONFIDENTIAL

Levy EPC Negotiations

- AP1000 "Price Book" received Dec 17th
  - Levy specific EPC Schedule due Jan 31st
  - Levy site specific Price book due Feb 14th
- EPC negotiations cancelled for Jan 8th- 10th
  - Instead, PGN EPC team traveling to the WEC/SSW Price Book "Library" to facilitate further negotiation strategy
  - Timing of next EPC negotiation session contingent on PGN Sr Management discussions with WEC/SS&W

Levy EPC Negotiations (continued)

- **Sr Management meeting between PGN and WEC/SSW - Jan 17th 2008 at Raleigh**
  - Lyash, Scarola, Roderick
  - Discussions on Price, Risk, and FL PSC Rate Recovery
- **PGN CEO meeting with WEC/SSW Sr Management – late Jan 2008**
- **FL PSC Need Filing**
  - Currently targeted for Late Jan 2008
  - Considering options on submittal date to address Site Specific Price Book due Feb 14th and further EPC discussions with WEC/SSW

CONFIDENTIAL

Dec 5th Board Mailing input by Nuclear Plant Development

November 10th, 2007

Garry Miller

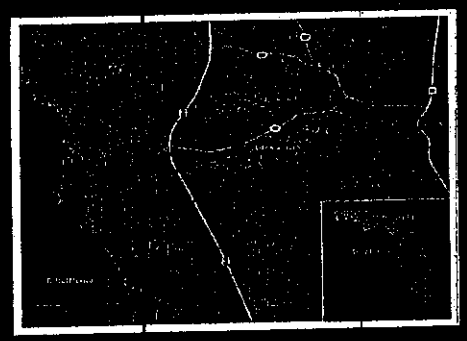
Progress Energy

CONFIDENTIAL

Topics

- Key Project Milestones Already Met
- Site permit/site prep & development
- Standard design certification
- Combined construction and operating license, filing and NRC approval
- Construction & Inspection, Testing, Analysis and Acceptance Criteria (ITAAC) Verification
- Engineering, procurement and construction contract (EPC)-negotiations, board approval

Levy Site



~ 120' Heavy Load Path

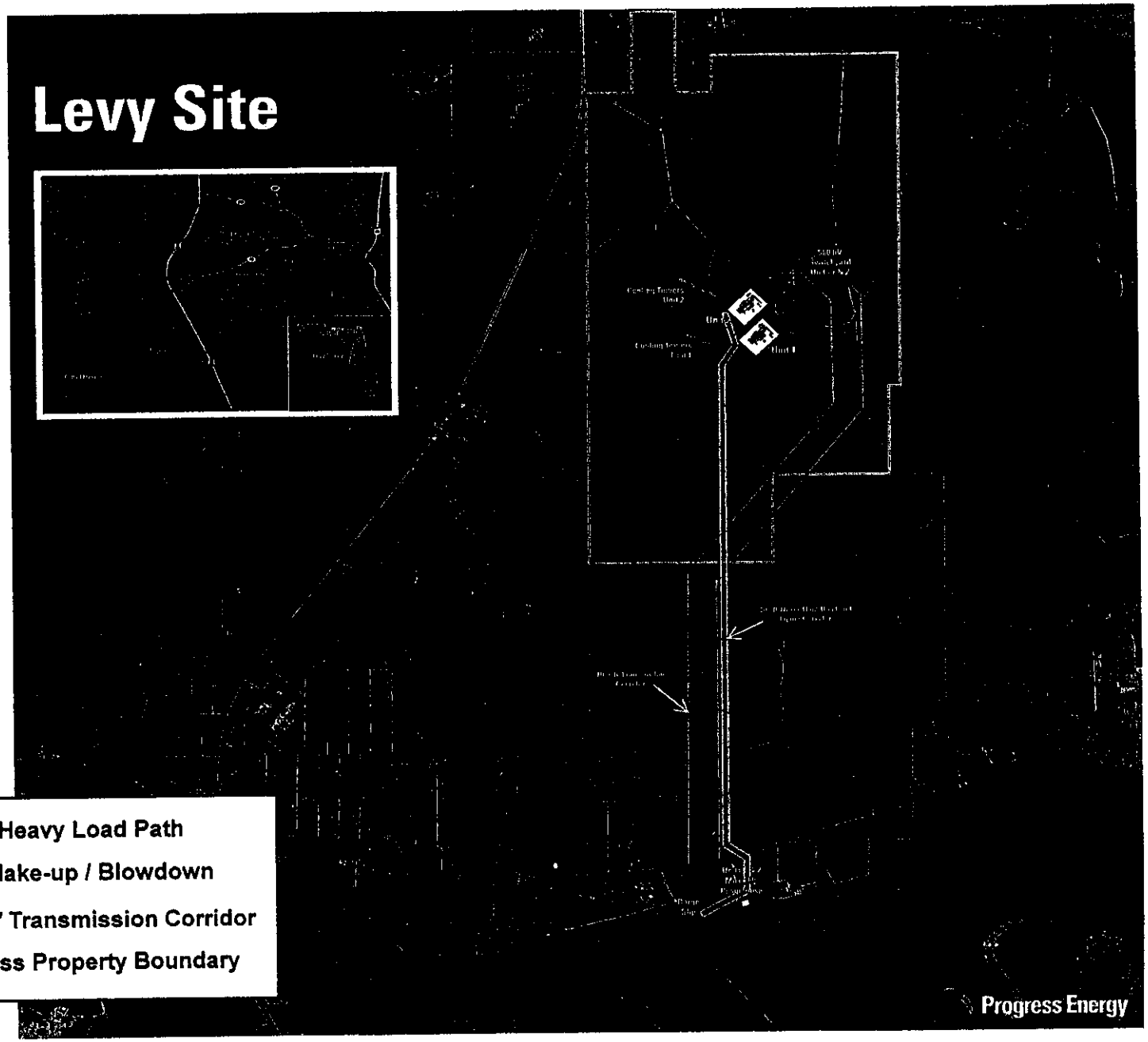
~ 80' Make-up / Blowdown

~ 1000' Transmission Corridor

Progress Energy

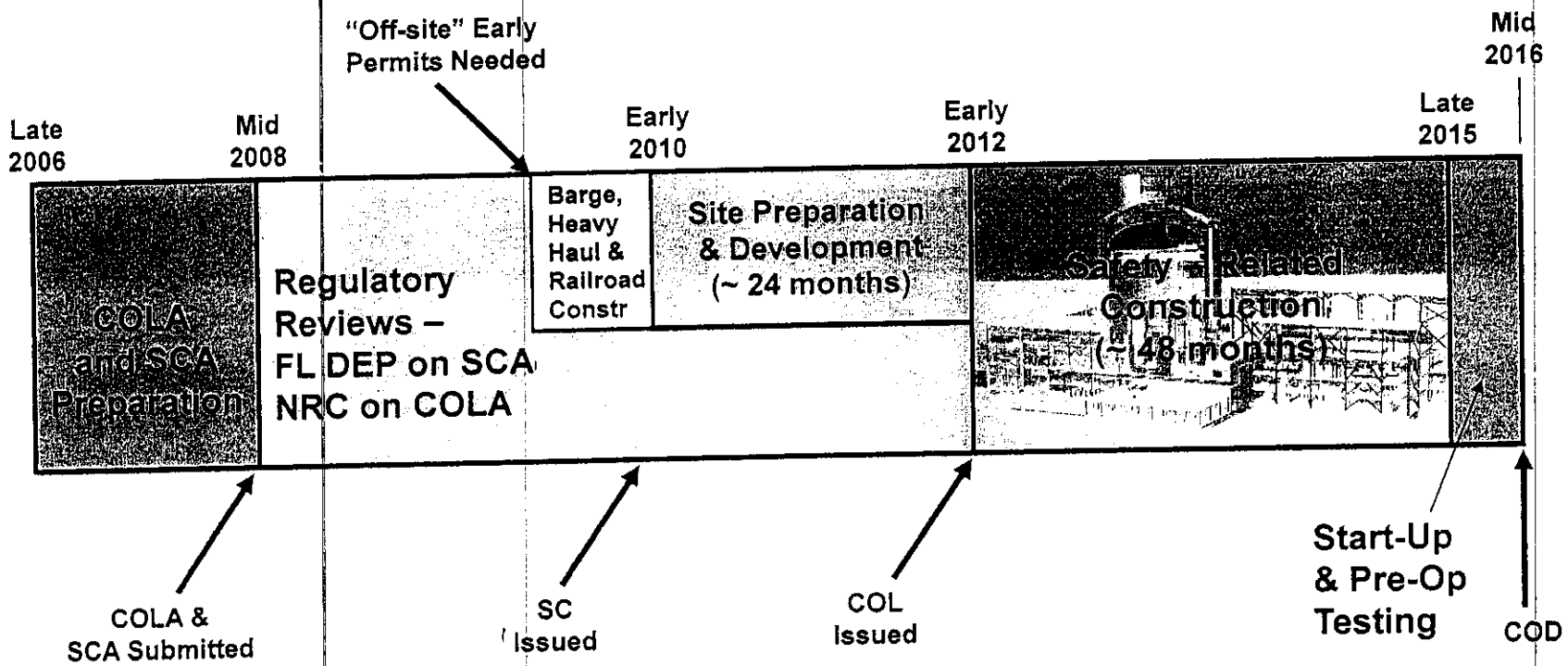
CONFIDENTIAL

Levy Site



CONFIDENTIAL

Levy Estimated Timeline – 1st Unit

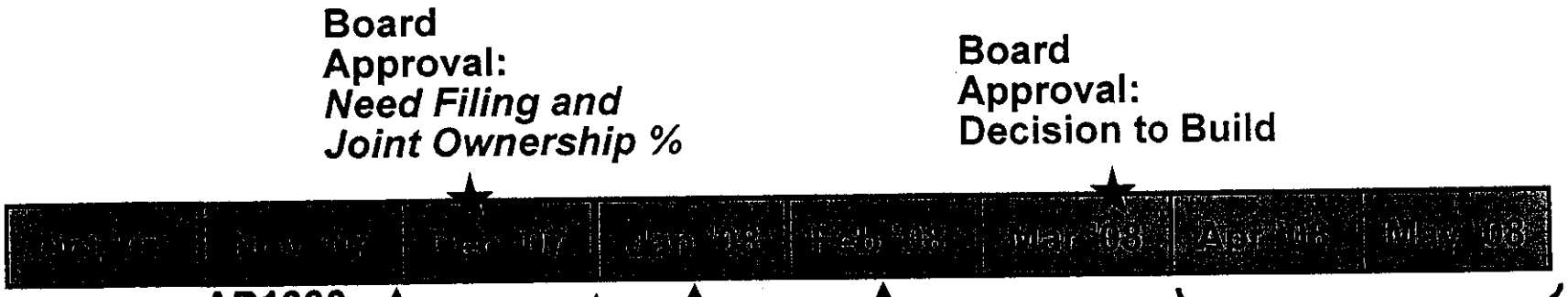


COLA – Combined Construction & Operating License Application
SCA – Site Certification Application

Progress Energy

CONFIDENTIAL

Estimated Levy Decision Timeline



Progress Energy

Key Project Milestones Completed

CONFIDENTIAL

- **NRC grants Design Certification for Westinghouse AP1000** – Dec 30th, 2005
  - Based on DCD revision 15
- REDACTED
- **Levy "Rayonier" Site Selected** – PGN press release Dec 12th 2006
- **AP1000 Reactor Technology Selected for Levy** – PGN press release July 10th 2007
- 3105 acre **Levy "Rayonier" site purchased** – Sept 13th, 2007
- 2150 acre adjacent **Levy "Lybass" property placed under contract** for transmission, piping and heavy haul path corridors – Oct 25th 2007

CONFIDENTIAL

Levy Site Permit/Site Preparation & Development

- **Levy County Comprehensive Land Use Plan**
  - Levy Board of County Commissioners approved PGN proposed Comp Plan Change
  - Plan then forwarded to FL Department of Community Affairs (DCA)… Comments returned
    - Wetlands protection and Gulf/Barge Canal impacts
    - Intensity Standard (# of MWe or # MGD water usage limits)
  - Resolution expected end-of-December 2007
- **Levy County Zoning Plan**
  - Amendments to Levy Zoning Plan have already been approved to include power generating facility
  - Re-zoning application for the Levy site will be submitted ~ 1st qtr 2008 and will include detailed site development plan

Levy Site Permit/Site Preparation & Development (continued)

- FL Site Certification Application (SCA)
  - Targeted for June 2008 submittal
  - Requires FL PSC Need determination and proper zoning of site
  - Being developed in coordination with similar scope of Environment Report contained in the COLA
- Estimated 15 month (minimum) review time by FL DEP
  - DEP then recommends to Siting Board chaired by FL Governor

Westinghouse AP1000 Standard Design Certification

CONFIDENTIAL

- **Initial Design Certification granted** – Dec 30th 2005
  - Based on Revision 15 of the Design Certification Document (DCD)
- **Westinghouse submits Revision 16 of DCD** – May 2007
  - Incorporates standardized changes requested by announced AP1000 utilities
  - Currently under sufficiency review by NRC
  - Reference COLA, REDACTED and Levy COLA are based on Revision 16
  - Design Certification Update based on DCD Revision 16 must be approved prior to industry COLA approvals

Progress Energy

Levy Combined Construction and Operating License Application (COLA)

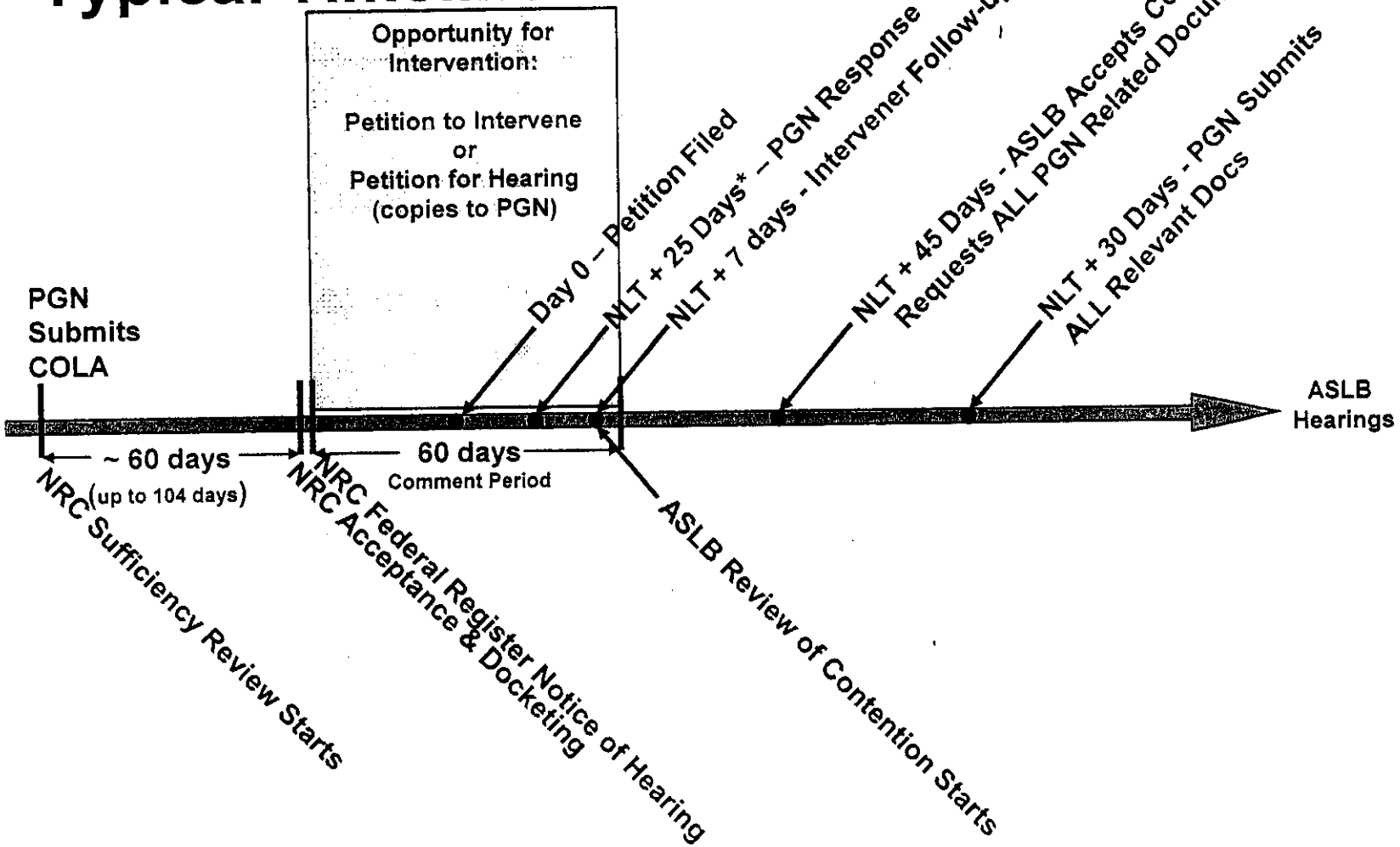
- **NuStart Reference COLA** (for TVA's Bellefonte Station) for AP1000
  - Submitted Oct 30th, 2007, undergoing NRC sufficiency review
  - Levy and REDACTED COLAs have ~ 70-75% same text, remaining text is company & site specific

REDACTED

- **Levy COLA** – July 2008 submittal
- **NRC Review of Levy COLA** - 36 to 42 Months
  - Up to 60 days for NRC sufficiency reviews and docketing
  - Once docketed, up to 60 days opportunity for Intervention (see next slide)
  - Duration includes Mandatory and Contested Hearings

COLA Submittal
Typical Timeline

CONFIDENTIAL



Note * Could add 0, +2, or +5 Days to this based on delivery method

Engineering, Procurement & Construction (EPC) Contract

- EPC negotiations ongoing since December 2006
- **Nov 30th 2007** – WEC/SS&W provides revised cost estimate of AP1000 standard power plant
- **Dec 31st 2007** - Target to complete most EPC Terms & Conditions not related to Cost and/or Risk Sharing
- **Jan 30th 2008** – WEC/SS&W provide Levy specific engineering, procurement, and construction detailed schedule
- **Feb 14th 2008** – WEC/SS&W provide project cost estimate for Levy site specific facilities beyond the AP1000 power blocks
- **2nd Qtr 2008** – EPC negotiations conclude and EPC Agreement is executed

Construction ITAAC

- **Inspection, Test, and Acceptance Criteria (ITAAC)** defined in AP1000 Design Certification Document (DCD)
- Also have three **Design Acceptance Criteria (DAC)** with Westinghouse responsibility
  - Associated with remaining AP1000 engineering design work
- **ITAAC and DAC require completion by the Applicant following COL issuance during construction, start-up testing, and power ascension**
  - NRC will sample ITAAC closures
  - ITAAC form the basis for the 10 CFR 52.103 (g) NRC authorization to load fuel

CONFIDENTIAL

Dec 5th Board Mailing input by Nuclear Plant Development

November 10th, 2007

Garry Miller

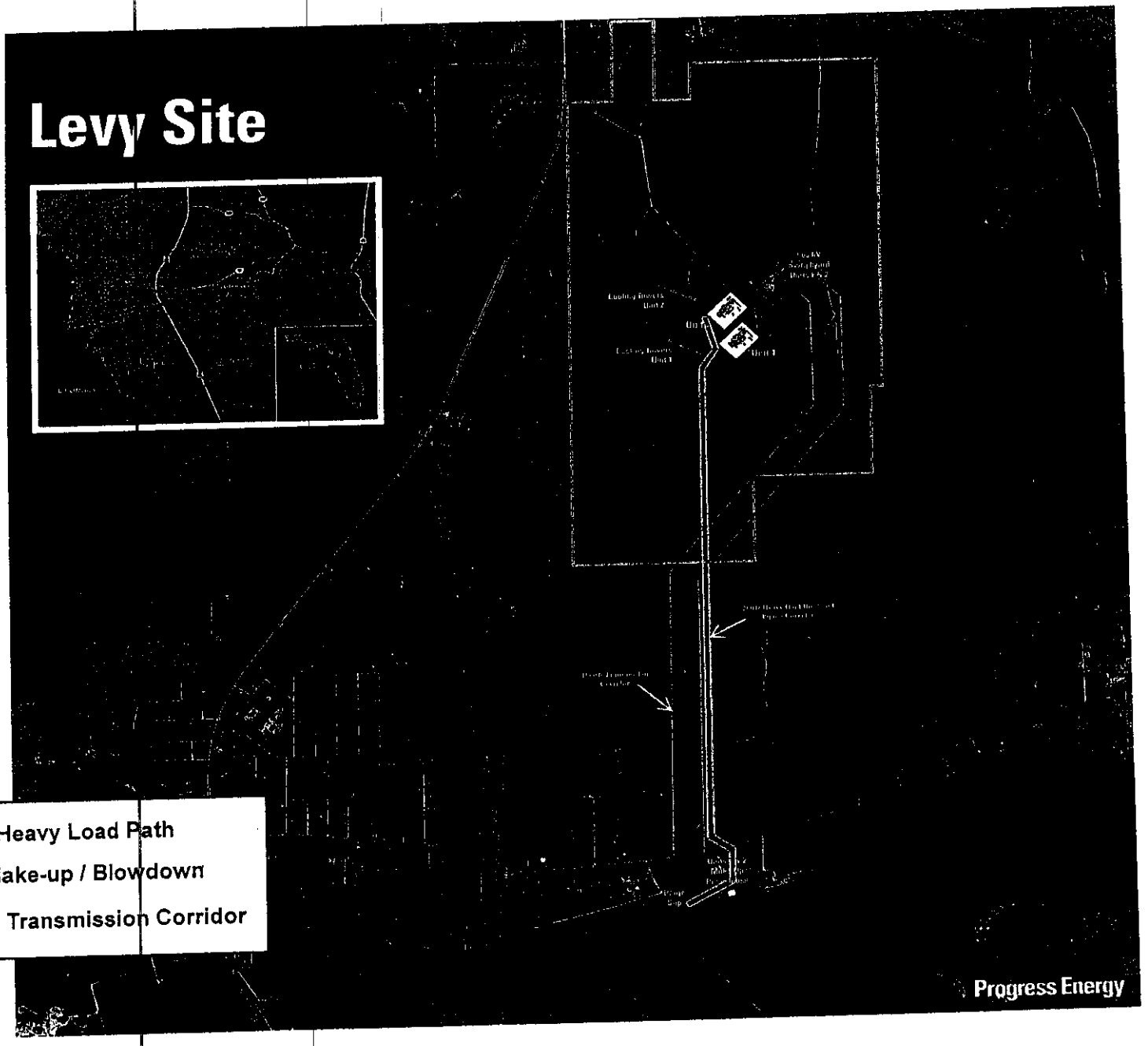
Progress Energy

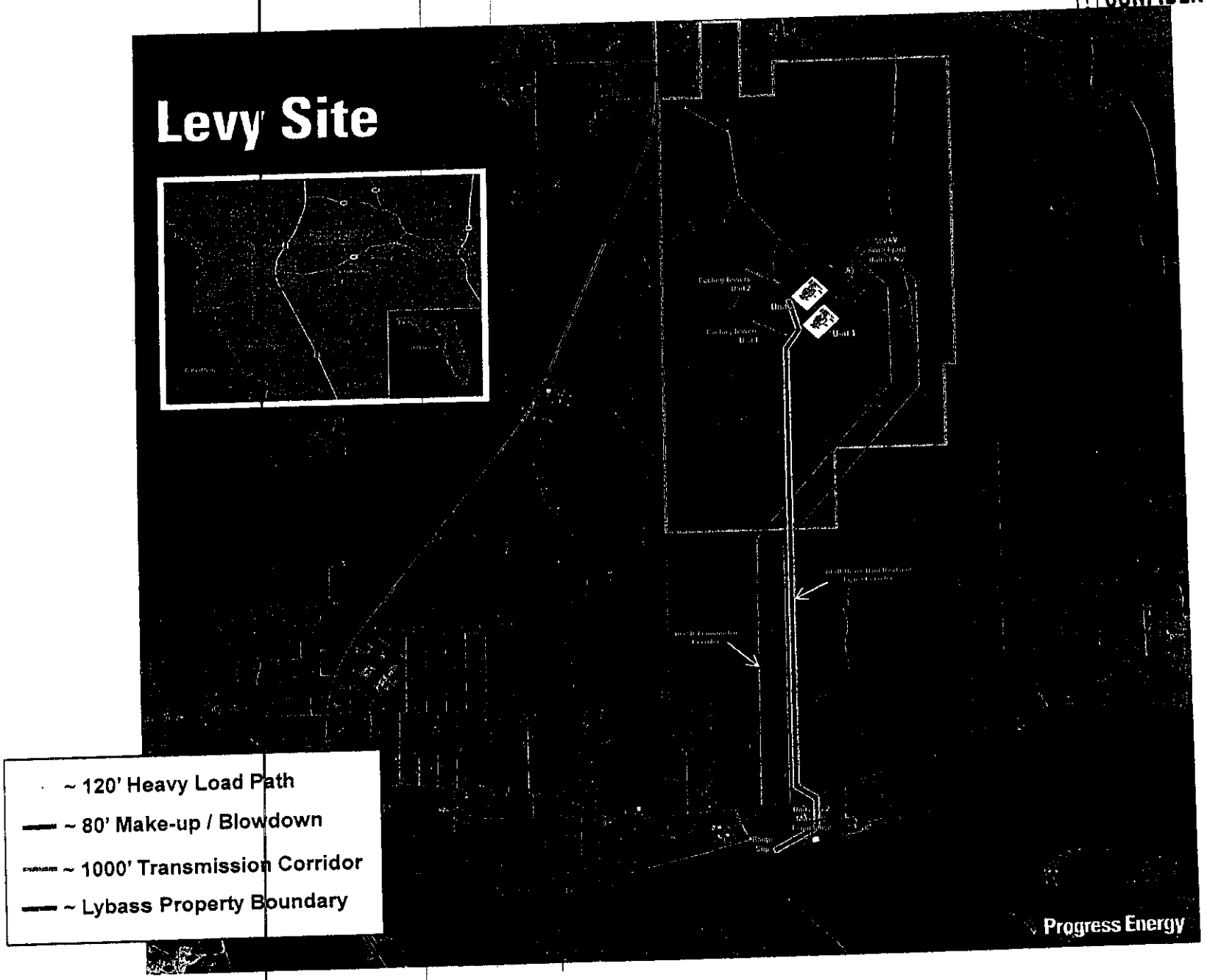
Topics

- Key Project Milestones Already Met
- Site permit/site prep & development
- Standard design certification
- Combined construction and operating license, filing and NRC approval
- Construction & Inspection, Testing, Analysis and Acceptance Criteria (ITAAC) Verification
- Engineering, procurement and construction contract (EPC)-negotiations, board approval

[1] CONFIDENTIAL

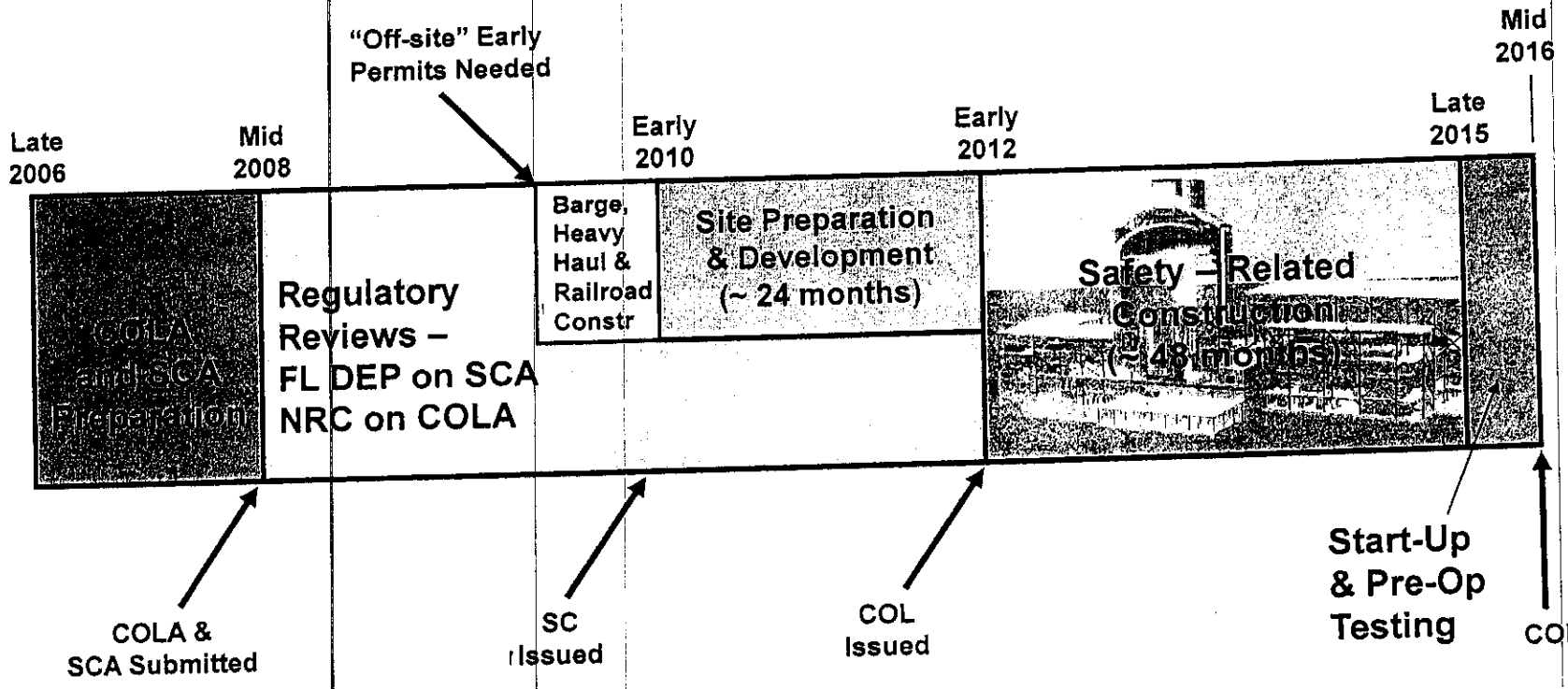
Levy Site




Levy Site
~ 120' Heavy Load Path
~ 80' Make-up / Blowdown
~ 1000' Transmission Corridor
~ Lybass Property Boundary
Progress Energy

CONFIDENTIAL

Levy Estimated Timeline – 1st Unit

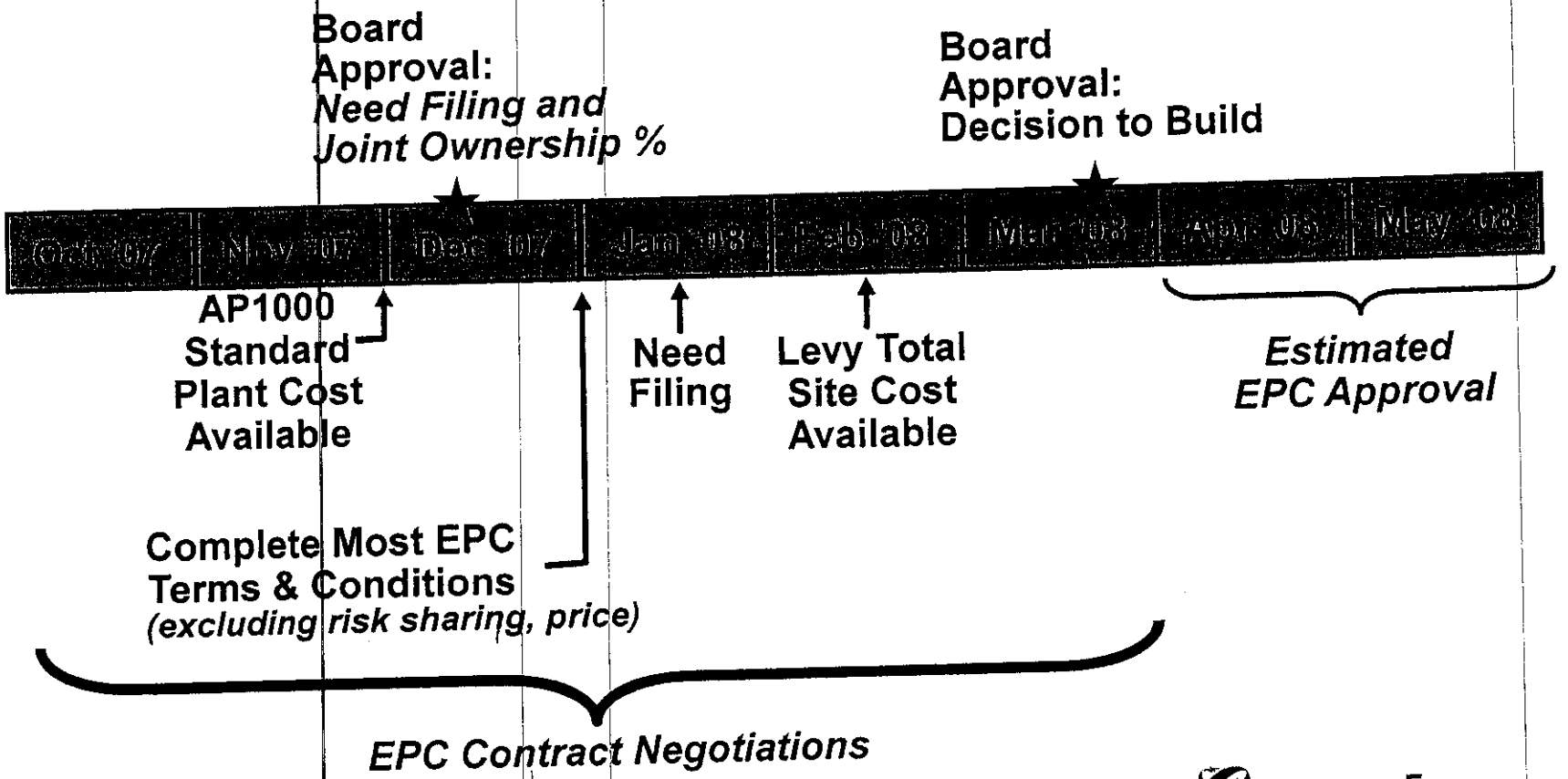


COLA – Combined Construction & Operating License Application
SCA – Site Certification Application

Progress Energy

CONFIDENTIAL

Estimated Levy Decision Timeline



Progress Energy

Key Project Milestones Completed

CONFIDENTIAL

- **NRC grants Design Certification for Westinghouse AP1000** – Dec 30th, 2005
  - Based on DCD revision 15
- REDACTED
- **Levy "Rayonier" Site Selected** – PGN press release Dec 12th 2006
- **AP1000 Reactor Technology Selected for Levy** – PGN press release July 10th 2007
- 3105 acre **Levy "Rayonier" site purchased** – Sept 13th, 2007
- 2150 acre adjacent **Levy "Lybass" property placed under contract** for transmission, piping and heavy haul path corridors – Oct 25th 2007

Progress Energy

Levy Site Permit/Site Preparation & Development

- **Levy County Comprehensive Land Use Plan**
  - Levy Board of County Commissioners approved PGN proposed Comp Plan Change
  - Plan then forwarded to FL Department of Community Affairs (DCA)… Comments returned
    - Wetlands protection and Gulf/Barge Canal impacts
    - Intensity Standard (# of MWe or # MGD water usage limits)
  - Resolution expected end-of-December 2007
- **Levy County Zoning Plan**
  - Amendments to Levy Zoning Plan have already been approved to include power generating facility
  - Re-zoning application for the Levy site will be submitted ~ 1st qtr 2008 and will include detailed site development plan

Levy Site Permit/Site Preparation & Development (continued)

- FL Site Certification Application (SCA)
  - Targeted for June 2008 submittal
  - Requires FL PSC Need determination and proper zoning of site
  - Being developed in coordination with similar scope of Environment Report contained in the COLA
- Estimated 15 month (minimum) review time by FL DEP
  - DEP then recommends to Siting Board chaired by FL Governor

Westinghouse AP1000 Standard Design Certification

CONFIDENTIAL

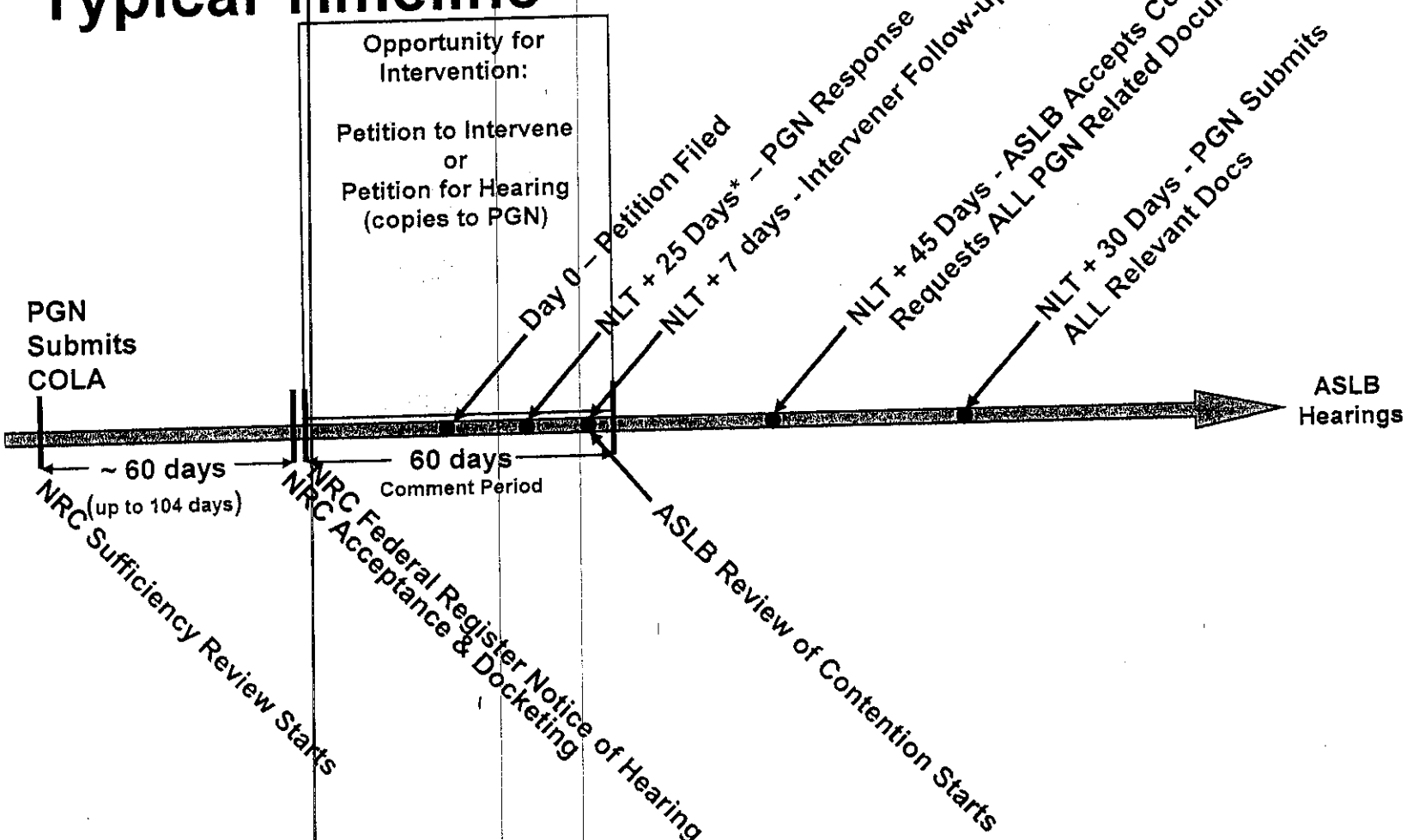
- **Initial Design Certification granted** – Dec 30th 2005
  - Based on Revision 15 of the Design Certification Document (DCD)
- **Westinghouse submits Revision 16 of DCD** – May 2007
  - Incorporates standardized changes requested by announced AP1000 utilities
  - Currently under sufficiency review by NRC
  - Reference COLA, REDACTED and Levy COLA are based on Revision 16
  - Design Certification Update based on DCD Revision 16 must be approved prior to industry COLA approvals

Levy Combined Construction and Operating License Application (COLA)

- **NuStart Reference COLA** (for TVA's Bellefonte Station) for AP1000
  - Submitted Oct 30th, 2007, undergoing NRC sufficiency review
  - Levy and REDACTED COLAs have ~ 70-75% same text, remaining text is company & site specific
- REDACTED
- **Levy COLA** – July 2008 submittal
- **NRC Review of Levy COLA** - 36 to 42 Months
  - Up to 60 days for NRC sufficiency reviews and docketing
  - Once docketed, up to 60 days opportunity for Intervention (see next slide)
  - Duration includes Mandatory and Contested Hearings

CONFIDENTIAL

COLA Submittal
Typical Timeline



Note * Could add 0, +2, or +5 Days to this based on delivery method

Construction ITAAC

- **Inspection, Test, and Acceptance Criteria (ITAAC)** defined in AP1000 Design Certification Document (DCD)
- Also have three **Design Acceptance Criteria (DAC)** with Westinghouse responsibility
  - Associated with remaining AP1000 engineering design work
- **ITAAC and DAC require completion by the Applicant following COL issuance during construction, start-up testing, and power ascension**
  - NRC will sample ITAAC closures
  - ITAAC form the basis for the 10 CFR 52.103 (g) NRC authorization to load fuel

Engineering, Procurement & Construction (EPC) Contract

- EPC negotiations ongoing since December 2006
- **Nov 30th 2007** – WEC/SS&W provides revised cost estimate of AP1000 standard power plant
- **Dec 31st 2007** - Target to complete most EPC Terms & Conditions not related to Cost and/or Risk Sharing
- **Jan 30th 2008** – WEC/SS&W provide Levy specific engineering, procurement, and construction detailed schedule
- **Feb 14th 2008** – WEC/SS&W provide project cost estimate for Levy site specific facilities beyond the AP1000 power blocks
- **2nd Qtr 2008** – EPC negotiations conclude and EPC Agreement is executed

CONFIDENTIAL

Levy Nuclear Plant Status

November 26th, 2007

Developed for Jeff Lyash by Garry Miller

Progress Energy

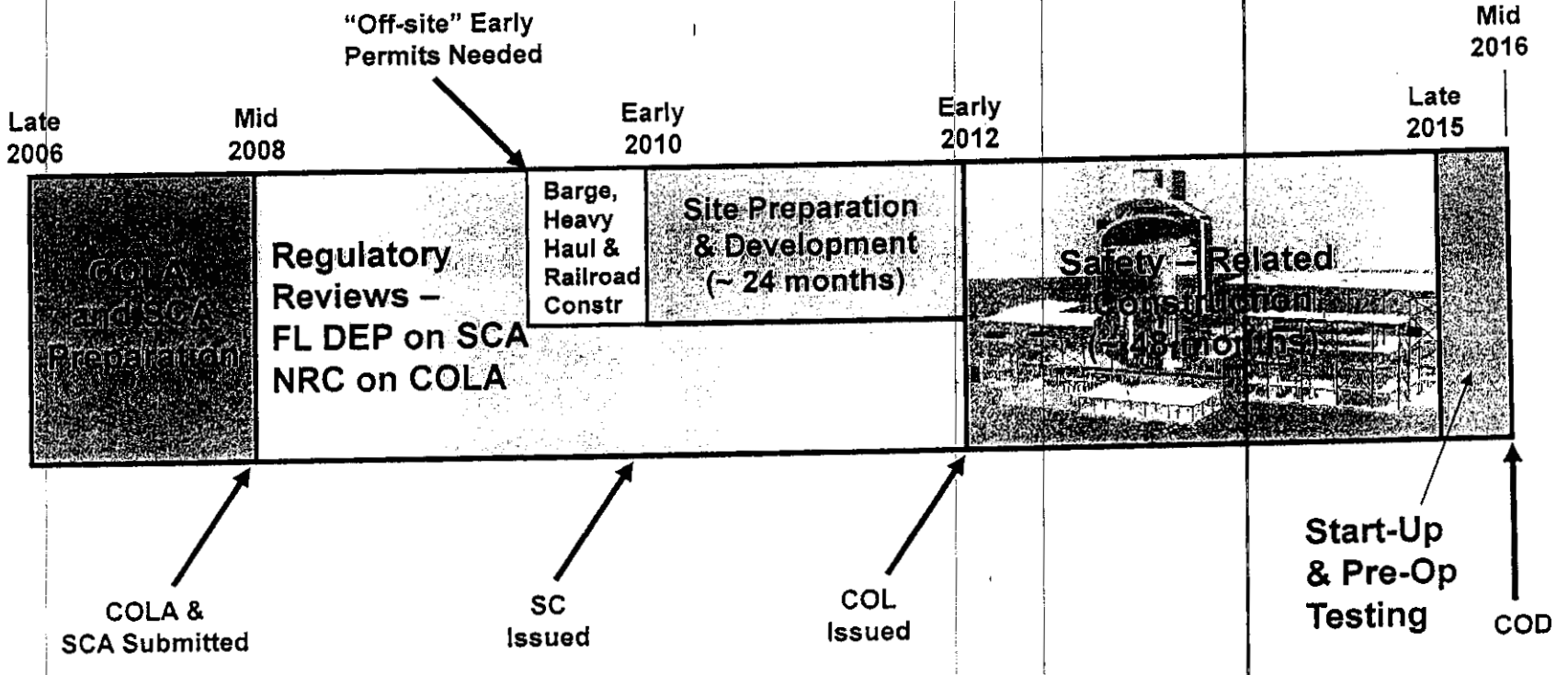
Topics

CONFIDENTIAL

- COLA
- Site Certification Application (SCA)
- Early Permitting Challenges
- Levy Comprehensive Land Use Plan
- Levy Zoning Plan and Re-Zoning
- Ongoing Site Characterization & Investigations
- Adjacent Land Acquisition

CONFIDENTIAL

Levy Estimated Timeline – 1st Unit

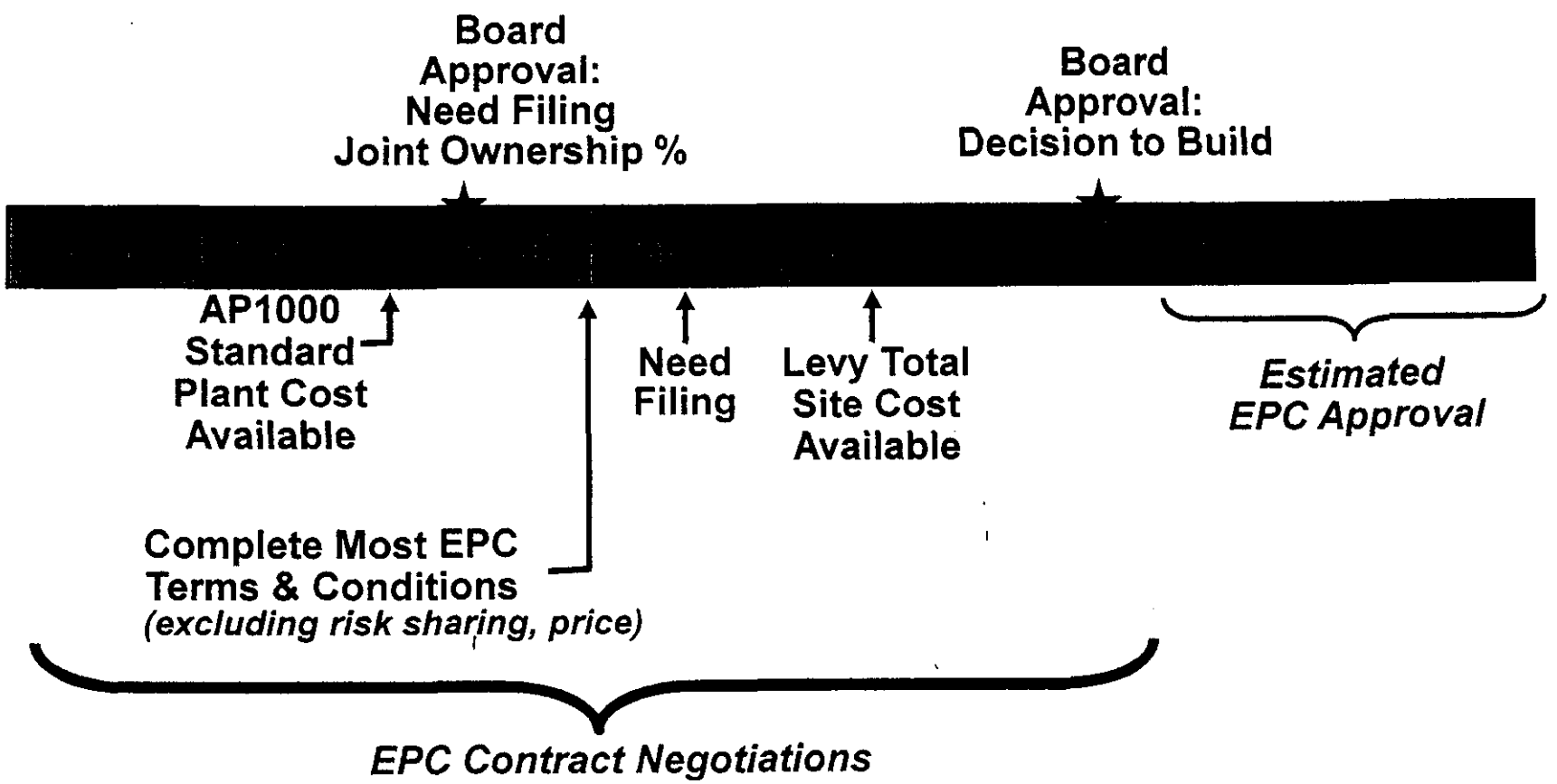


COLA – Combined Construction & Operating License Application
SCA – Site Certification Application

Progress Energy

CONFIDENTIAL CONFIDENTIAL

Estimated Levy Decision Timeline



Progress Energy

Early Permits & SCA Status

- **Specific Early Permits Needed** ~ Jan 2008 submittal
  - Normally part of SCA packaged approvals
  - Barge landing slip, heavy haul path, and railroad
  - Requires some detailed engineering design (versus conceptual)
  - Needed to support site deliveries in early 2011
  - Rail is dependent on corridor siting and associated land acquisition
- **SCA** – June 2008 submittal
  - Incorporates associated Transmission Line Upgrades Routing

CONFIDENTIAL

Levy COLA

- **Levy COLA** – July 2008 submittal
  - Challenged based on site geotechnical analysis
  - Actions being developed to recover schedule
- **Reference COLA** (Bellefonte) for AP1000 submitted Oct 30th, 2007
  - Levy and REDACTED COLAs have ~ 70-75% same text, remaining text is site specific
  - REDACTED
- **Additional NRC Pre-Application NRC Interactions**
  - NRC 2nd Environmental Visit - January 2008
  - NRC QA Audit – date to be determined

Progress Energy

PSC Need Filing

- **FPSC Need Determination Petition** – January 2008 filing
  - Closely monitoring FP&L nuclear need filing
  - Will incorporate revised WEC/SS&W cost for the AP1000 power blocks
  - Will incorporate revised Levy site specific cost for higher risk construction activities
    - For example - Excavation, de-watering, and engineered backfill activities

CONFIDENTIAL

Levy Land Use Approvals

- **Levy Comprehensive Land Use Plan**
  - Comments Received from FL Department of Community Affairs (DCA) – DCA wants:
    - Wetlands protection and Gulf/Barge Canal impacts
    - Intensity Standard (# of MWe or # MGD water)
- **Levy Zoning Plan**
  - Amendments to Levy Zoning Plan have been approved
  - Re-zoning request (includes site development) will be submitted TBD

Levy Site Characterization & Investigations

- CH2M Hill geotechnical field work on cooling tower locations and heavy haul path
- CH2M Hill barge canal and Gulf aquatic sampling
- SS&W field activities
  - Develop grading plan and drainage plan (storm run-off ponds)
  - Locate construction/permanent facilities
- New driveway installation in progress
  - On PGN owned property versus access easement through others property

Levy Site

CONFIDENTIAL

~ 120' Heavy Load Path

~ 80' Make-up / Blowdown

~ 1000' Transmission Corridor

~ Lybass Property Boundary

Progress Energy

CONFIDENTIAL

Levy Adjacent Land Acquisition

- **Lybass Sale and Purchase** contract signed Oct 15th
  - Total Cost of ~ $39 M for ~ 2159 acres
  - $2M Non-Refundable Initial Earnest Money Paid
  - 30 Day Due Diligence Period
  - $2M Additional Non-Refundable Payment w/in 35 Days of Contract Execution
  - Closing to occur by December 14th
- **Phase 1 Reviews in Progress**
  - Threatened & Endangered Species, Cultural/Archeological, Incompatible Previous Land Uses
  - POG suitability review for future PGN use

CONFIDENTIAL

Levy Nuclear Plant Status

November 26th, 2007

Developed for Jeff Lyash by Garry Miller

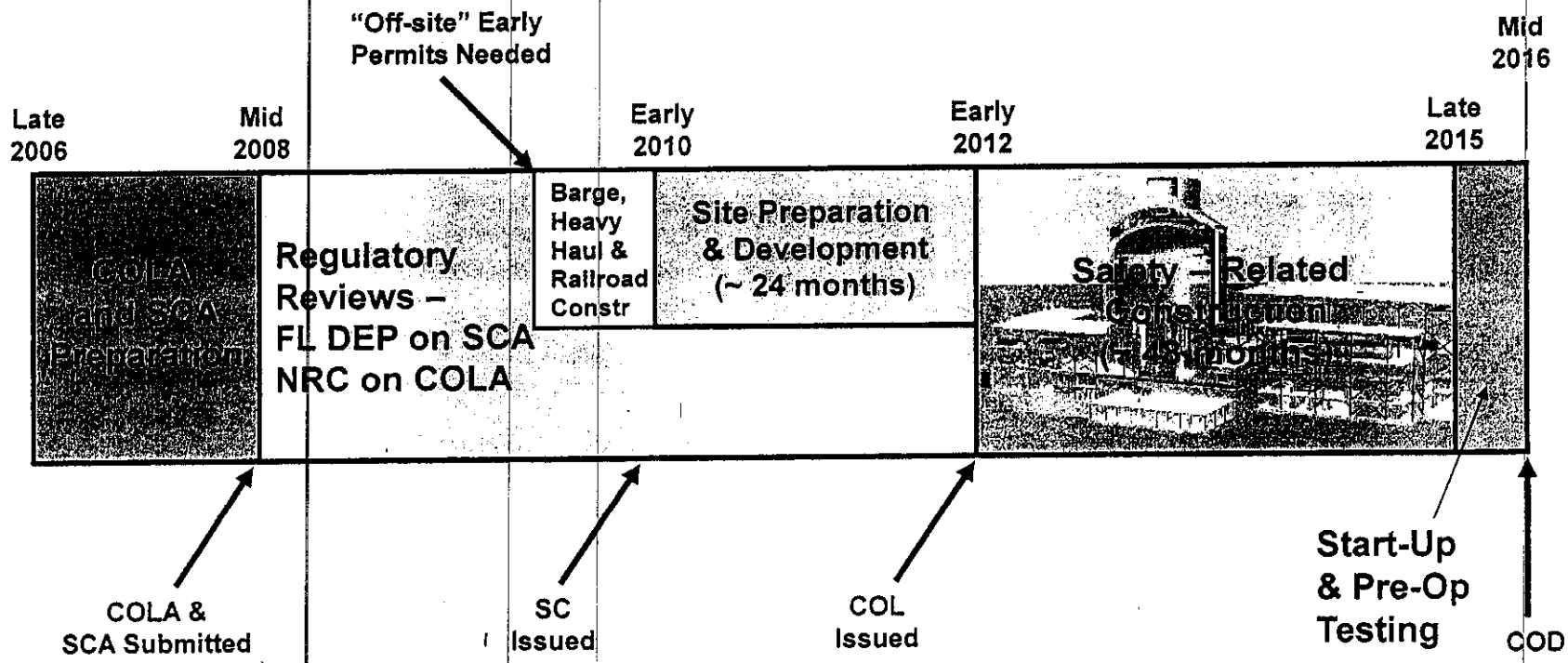
Progress Energy

Topics

- COLA
- Site Certification Application (SCA)
- Early Permitting Challenges
- Levy Comprehensive Land Use Plan
- Levy Zoning Plan and Re-Zoning
- Ongoing Site Characterization & Investigations
- Adjacent Land Acquisition

CONFIDENTIAL

Levy Estimated Timeline – 1st Unit

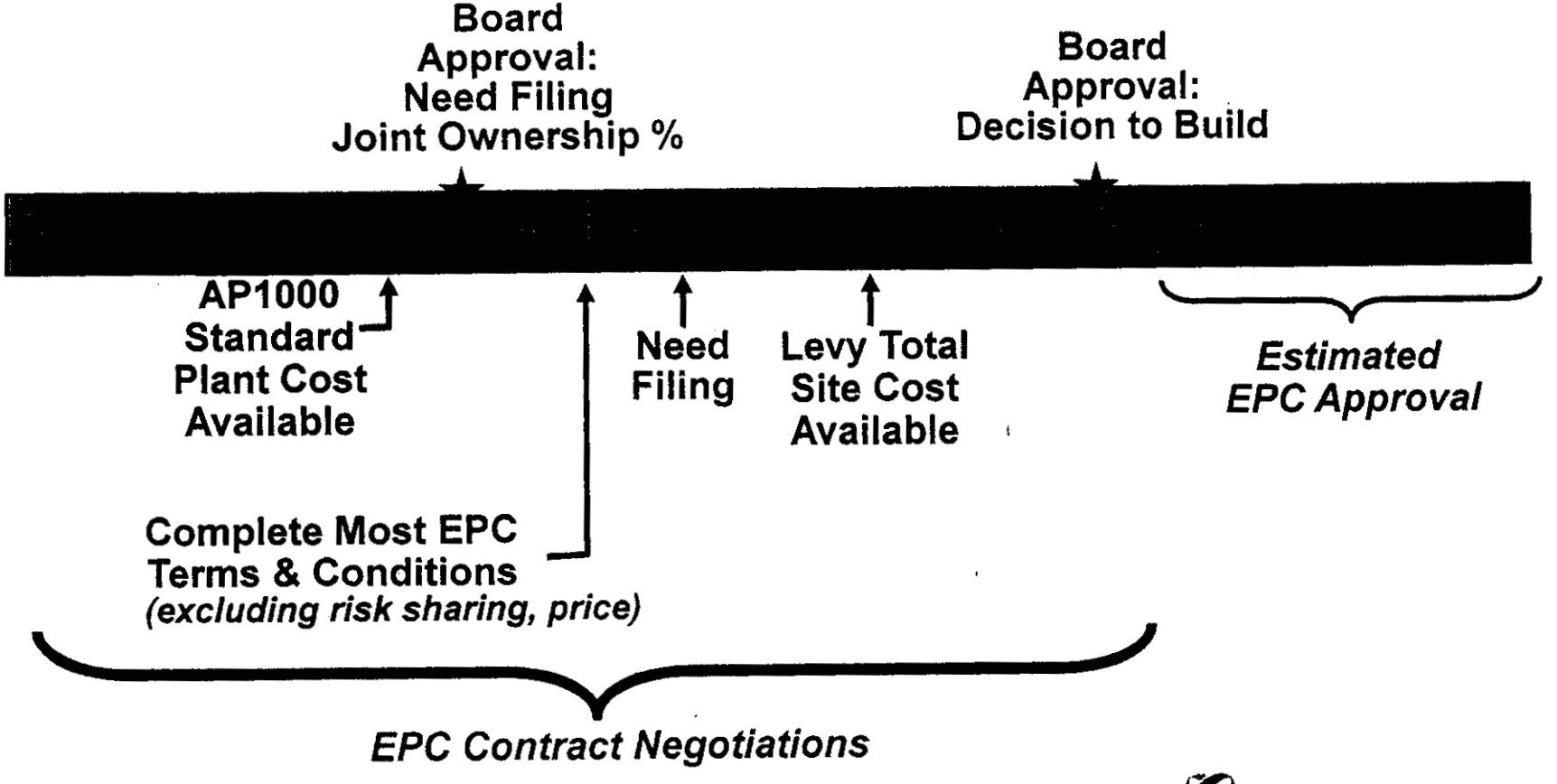


COLA – Combined Construction & Operating License Application
SCA – Site Certification Application

Progress Energy

CONFIDENTIAL

Estimated Levy Decision Timeline



Progress Energy

Early Permits & SCA Status

- **Specific Early Permits Needed** ~ Jan 2008 submittal
  - Normally part of SCA packaged approvals
  - Barge landing slip, heavy haul path, and railroad
  - Requires some detailed engineering design (versus conceptual)
  - Needed to support site deliveries in early 2011
  - Rail is dependent on corridor siting and associated land acquisition
- **SCA** – June 2008 submittal
  - Incorporates associated Transmission Line Upgrades Routing

CONFIDENTIAL

Levy COLA

- **Levy COLA** – July 2008 submittal
  - Challenged based on site geotechnical analysis
  - Actions being developed to recover schedule
- **Reference COLA** (Bellefonte) for AP1000 submitted Oct 30th, 2007
  - Levy and REDACTED COLAs have ~ 70-75% same text, remaining text is site specific
  - REDACTED
- **Additional NRC Pre-Application NRC Interactions**
  - NRC 2nd Environmental Visit - January 2008
  - NRC QA Audit – date to be determined

Progress Energy

PSC Need Filing

- **FPSC Need Determination Petition** – January 2008 filing
  - Closely monitoring FP&L nuclear need filing
  - Will incorporate revised WEC/SS&W cost for the AP1000 power blocks
  - Will incorporate revised Levy site specific cost for higher risk construction activities
    - For example - Excavation, de-watering, and engineered backfill activities

CONFIDENTIAL

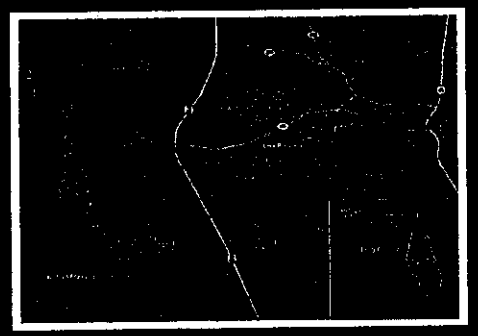
Levy Land Use Approvals

- **Levy Comprehensive Land Use Plan**
  - Comments Received from FL Department of Community Affairs (DCA) – DCA wants:
    - Wetlands protection and Gulf/Barge Canal impacts
    - Intensity Standard (# of MWe or # MGD water)
- **Levy Zoning Plan**
  - Amendments to Levy Zoning Plan have been approved
  - Re-zoning request (includes site development) will be submitted TBD

Levy Site Characterization & Investigations

- CH2M Hill geotechnical field work on cooling tower locations and heavy haul path
- CH2M Hill barge canal and Gulf aquatic sampling
- SS&W field activities
  - Develop grading plan and drainage plan (storm run-off ponds)
  - Locate construction/permanent facilities
- New driveway installation in progress
  - On PGN owned property versus access easement through others property

Levy Site



CONFIDENTIAL

~ 120' Heavy Load Path

~ 80' Make-up / Blowdown

~ 1000' Transmission Corridor

~ Lybass Property Boundary

Progress Energy

Levy Adjacent Land Acquisition

- **Lybass Sale and Purchase** contract signed Oct 15th
  - Total Cost of ~ [redacted] for ~ 2159 acres
  - [redacted] Non-Refundable Initial Earnest Money Paid
  - 30 Day Due Diligence Period
  - [redacted] Additional Non-Refundable Payment w/in 35 Days of Contract Execution
  - Closing to occur by December 14th
- **Phase 1 Reviews in Progress**
  - Threatened & Endangered Species, Cultural/Archeological, Incompatible Previous Land Uses
  - POG suitability review for future PGN use

Redacted

CONFIDENTIAL

Nuclear Plant Development

November 10th, 2007

Garry Miller

Progress Energy

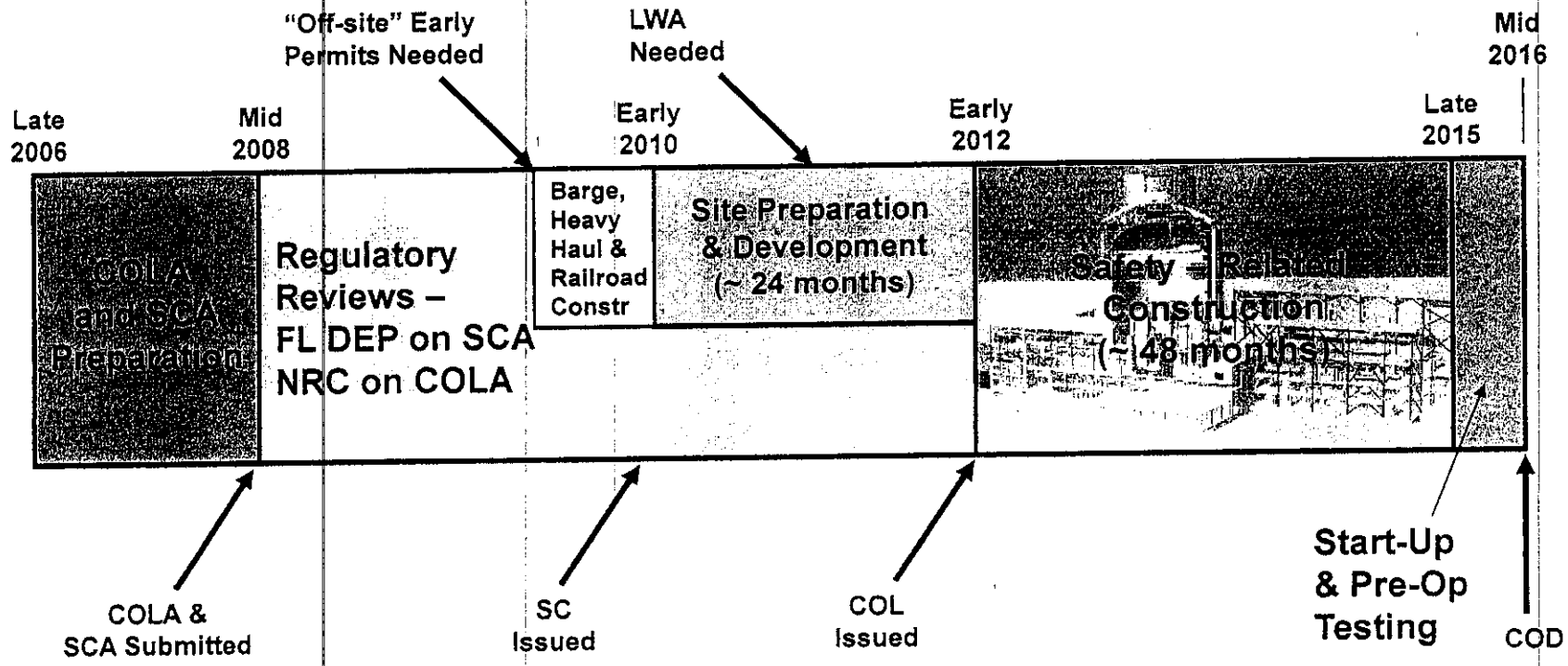
CONFIDENTIAL

Topics

- COLAs
- Site Certification Application (SCA)
- Early Permitting Challenges
- Levy Comprehensive Land Use Plan
- Levy Zoning Plan and Re-Zoning
- Ongoing Site Characterization & Investigations
- Adjacent Land Acquisition
- NRC Pre-application QA Audit
- PES Assessment of NPD

CONFIDENTIAL

Levy Estimated Timeline – 1st Unit

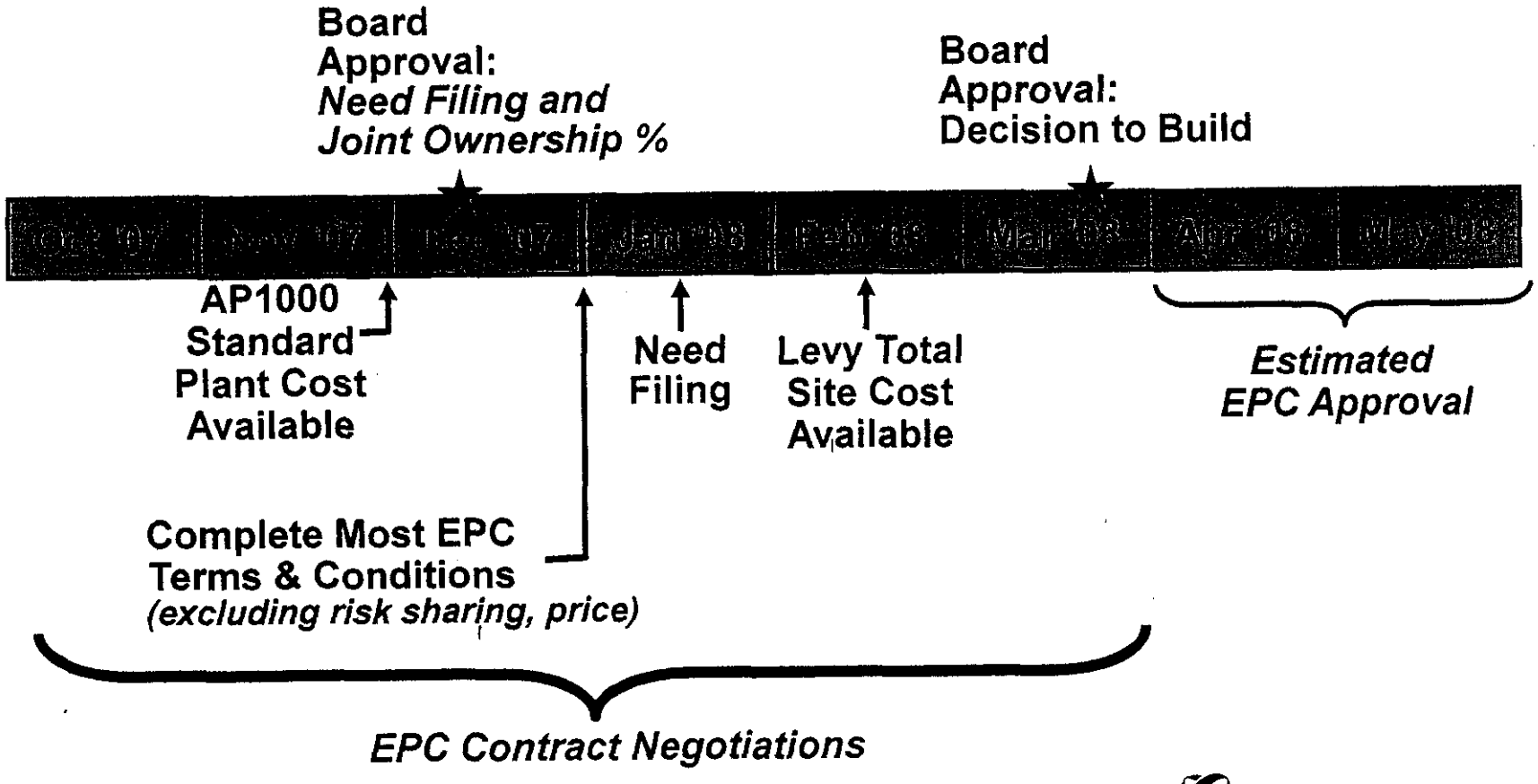


COLA – Combined Construction & Operating License Application
SCA – Site Certification Application

Progress Energy

CONFIDENTIAL

Estimated Levy Decision Timeline



Progress Energy

REDACTED and Levy COLAs

- **Reference COLA** (Bellefonte) for AP1000 submitted Oct 30th, 2007
  - Levy and REDACTED COLAs have ~ 70-75% same text, remaining text is site specific
- REDACTED
- **Levy COLA** – targeted July 2008 submittal
  - Challenged based on site geotechnical analysis - current living schedule predicts August 2008
- **Upcoming Levy NRC Pre-Application NRC Interactions**
  - NRC 2nd Environmental Visit - January 2008
  - NRC QA Audit – date to be determined

CONFIDENTIAL

Levy Early Permits & SCA Status

- **Specific Early Permits Needed** ~ Jan 2008 submittal
  - Normally part of SCA packaged approvals
  - Barge landing slip, heavy haul path, and railroad
  - Requires some detailed engineering design (versus conceptual)
  - Needed to support site deliveries in early 2011
  - Rail is dependent on corridor siting and associated land acquisition
  - Meeting with Army Corp of Engineers in Nov 2007
- **SCA** – June 2008 submittal
  - Incorporates associated Transmission Line Upgrades Routing

FL PSC Need Filing

- **FPSC Need Determination Petition** – January 2008 filing
  - Closely monitoring FP&L nuclear need filing
  - Will incorporate revised WEC/SS&W cost for the AP1000 power blocks
  - Will incorporate revised Levy site specific cost for higher risk construction activities
    - For example - Excavation, de-watering, and engineered backfill activities

CONFIDENTIAL

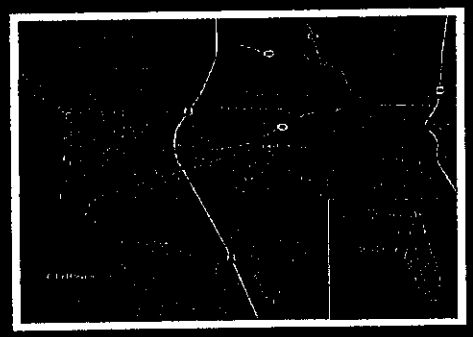
Levy Land Use Approvals

- **Levy Comprehensive Land Use Plan**
  - Comments Received from FL Department of Community Affairs (DCA)
    - Wetlands protection and Gulf/Barge Canal impacts
    - Intensity Standard (# of MWe or # MGD water)
  - Resolution expected end-of-December 2007
- **Levy Zoning Plan**
  - Amendments to Levy Zoning Plan have been approved
  - Re-zoning application (includes site development plan) will be submitted ~ 1st qtr 2008

Levy Site Characterization & Investigations

- CH2M Hill – Levy Geotechnical field work
  - Geotechnical down-hole logging, cooling tower locations, and heavy haul path
- CH2M Hill – Barge Canal and Gulf of Mexico
  - Aquatic sampling on-going
- SS&W – Levy field activities
  - Develop grading plan and drainage plan (storm run-off ponds)
  - Locate construction/permanent facilities
- New Levy driveway installation in progress
  - On PGN owned property versus access easement through others' property

Levy Site



CONFIDENTIAL

~ 120' Heavy Load Path

~ 80' Make-up / Blowdown

~ 1000' Transmission Corridor

~ Lybass Property Boundary

Progress Energy

CONFIDENTIAL

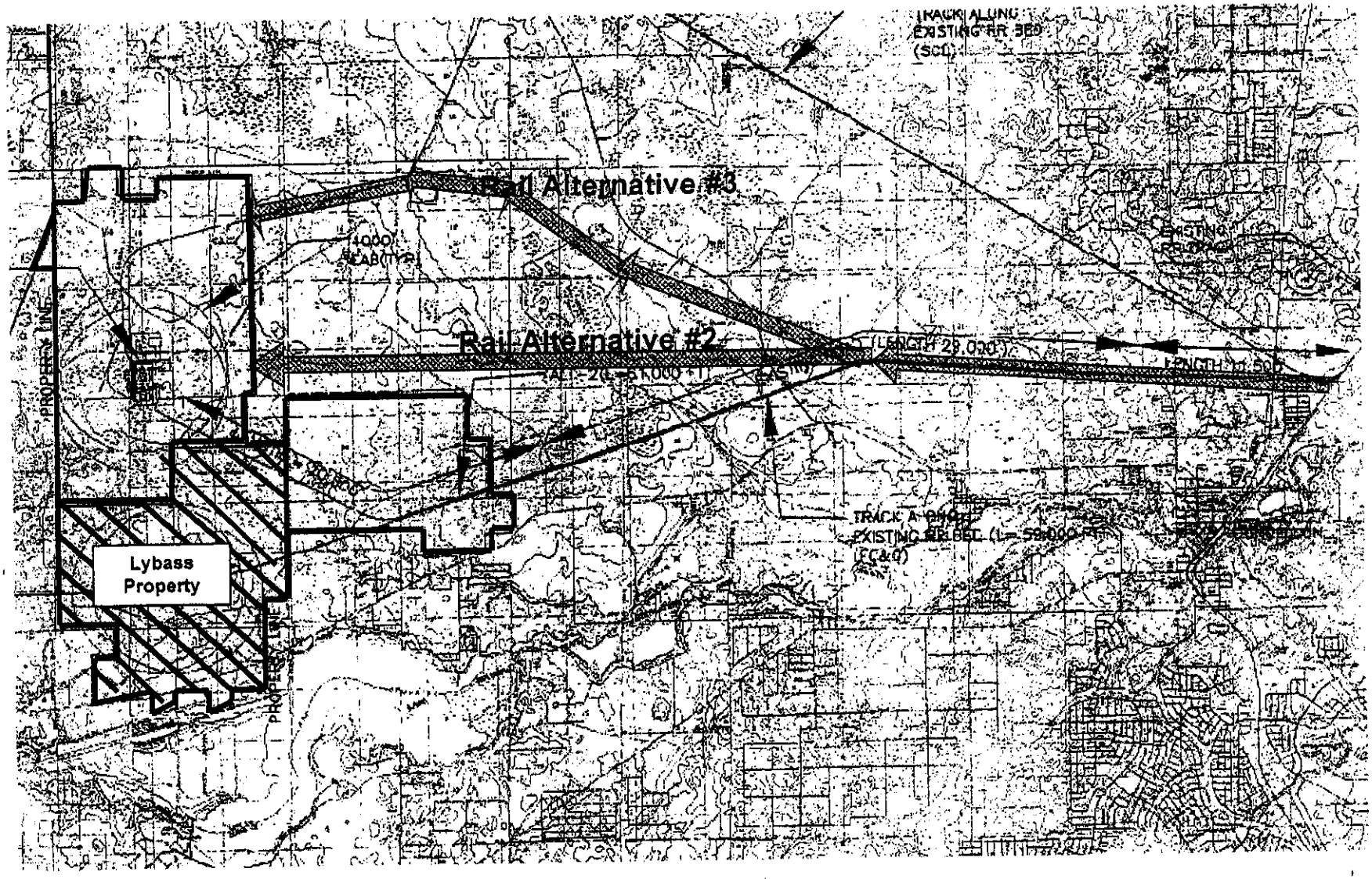
Levy Adjacent Land Acquisition

- **Lybass Sale and Purchase** contract signed Oct 15th
  - Total Cost of ~ Redacted for ~ 2159 acres
  - Redacted Non-Refundable Initial Earnest Money Paid
  - 30 Day Due Diligence Period
  - Redacted Additional Non-Refundable Payment w/in 35 Days of Contract Execution
  - Closing to occur by December 14th
- **Phase 1 Reviews in Progress**
  - Threatened & Endangered Species, Cultural/Archeological, Incompatible Previous Land Uses
  - POG suitability review for future PGN use

Progress Energy

CONFIDENTIAL

Potential Rail Access



CONFIDENTIAL

NRC QA Pre-Application Audit

- **No findings related to QA implementation for:**
  - Progress Energy
  - Sargent & Lundy (S&L)
  - Worley Parsons (WP)
-
  -
  -

REDACTED

Progress Energy

CONFIDENTIAL

PES Assessment of NPD Activities

- Week of November 5th
- Per the PES Team Lead…
  - No Significant Findings
  - Some improvement opportunities and/or weaknesses may be identified
  - Final team de-brief has not occurred yet

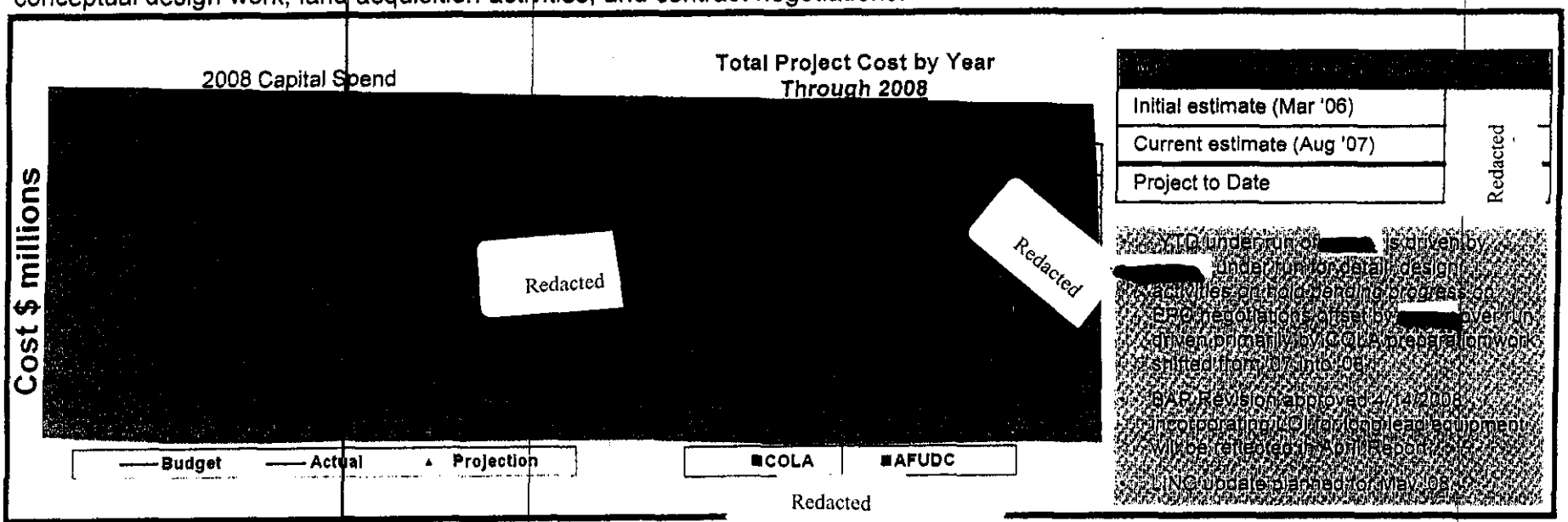
Progress Energy

CONFIDENTIAL

As of Mar '08

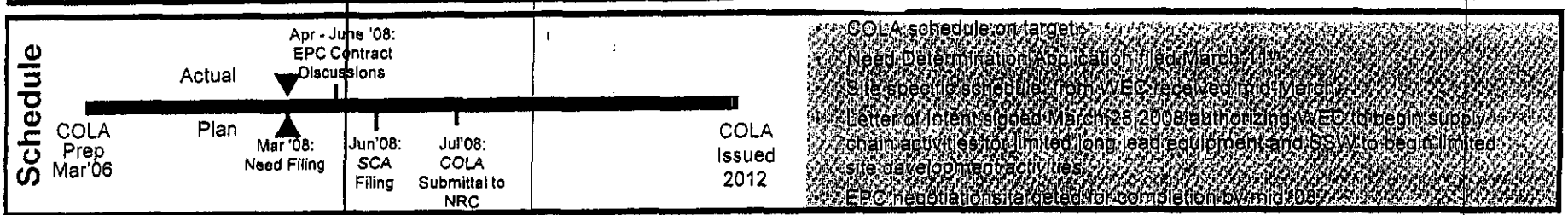
Levy Plant Combined License

Complete development and submittal of the Combined License Application (COLA), all regulatory review requirements, conceptual design work, land acquisition activities, and contract negotiations.



Initial estimate (Mar '06)	Redacted
Current estimate (Aug '07)	
Project to Date	

- YTD underrun of [redacted] is driven by [redacted] underrun for detail design activities on hold pending progress on EPC negotiations, offset by [redacted] overrun driven primarily by COLA preparation work shifted from '07 into '08.
- BAR Revision approved 4/14/2008 incorporating LC for long lead equipment. Will be reflected in April Report.
- LNC update planned for May '08.



- COLA schedule on target.
- Need Determination Application filed March 31.
- Site specific schedule from WEC received mid-March.
- Letter of Intent signed March 28, 2008 authorizing WEC to begin supply chain activities for limited long lead equipment and SSW to begin limited site development activities.
- EPC negotiations targeted for completion by mid '08.

Required Third Party Approvals

- Need Determination Application – Florida Public Utilities Commission (5-6 months)
- Nuclear Filing Requirements – Florida Public Utilities Commission (ongoing)
- Site Certification Application – Florida Department of Environmental Protection (15-18 months)
- Sufficiency Review & Acceptance of Levy COLA Application – NRC (up to 47 months)

Issue/Impact

Issue	Impact/Action
• EPC Negotiations	• Ongoing RGN/WEC/SSW meetings to discuss price, risk, and rate recovery.
• NRC Sufficiency Review of COLA	• *Up to 60 day period required to complete review, accept and docket the COLA.*
• COLA posted on NRC Federal Register	• 60 day comment period. Public review and intervention opportunity.
• Cost Recovery	• Seek recovery through the Nuclear Cost Recovery Rule.

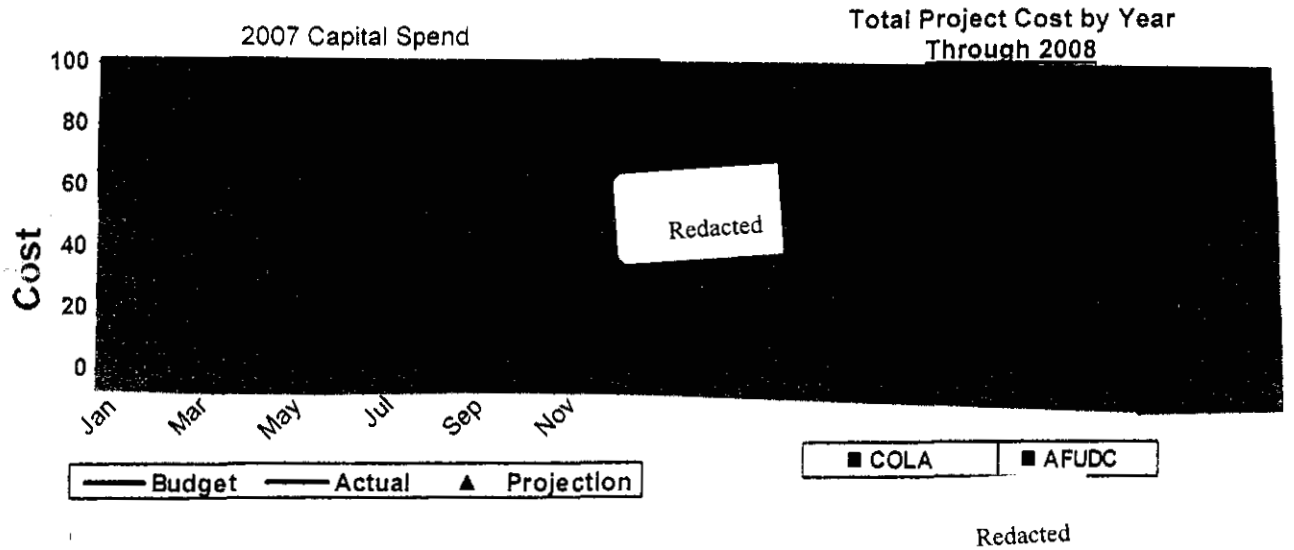
Progress Energy

CONFIDENTIAL

As of Dec '07

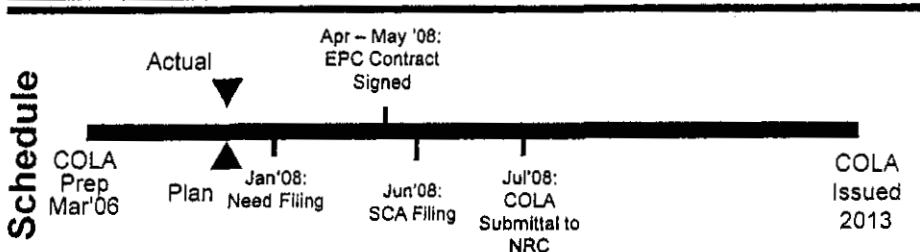
Levy Plant Combined License

Complete development and submittal of the Combined License Application (COLA), all regulatory review requirements, conceptual design work, land acquisition activities, and contract negotiations.



Initial estimate (Mar '06)	Redacted
Current estimate (Aug '07)	
Project to Date	

- The actual cost allocation for the secondary land purchase between nuclear, transmission, and held for future use was not determined until late December. The remaining under run is driven primarily by COLA phase 1 prep and conceptual design work planned for 2007 but not completed. Some of this cost will shift into 2008.



- Schedule on target
- Site detailed design and construction planning: 24mths with a start date in 2008

Required Third Party Approvals

- Need Determination Application – Florida Public Utilities Commission (5-6 months)
- Nuclear Filing Requirements – Florida Public Utilities Commission (on-going)
- Site Certification Application – Florida Department of Environmental Protection (15-18 months)
- Sufficiency Review & Acceptance of Levy COLA Application – NRC (36-42 months)

Issue/Impact

Issue	Impact/Action
• NRC Sufficiency Review of COLA	• Up to 60 day period required to complete review, accept, and docket the COLA.
• COLA posted on NRC Federal Register	• 60 day comment period. Public review and intervention opportunity.
• Cost recovery	• Seek recovery through the Nuclear Cost Recovery Rule.

Stone & Webster, Inc.
128 South Tryon Street, Suite 1600
Charlotte, NC 28202
Fax: 704.331.1312

CONFIDENTIAL

Shaw™ Stone & Webster, Inc.

April 27, 2007
Job Order Number: 12489101
SSWN-PEC-000004
Response Required Y__/N√

Mr. Timothy P Cleary
Progress Energy Carolinas, Inc
P.O. Box 1551
TPP 15A5
Raleigh, NC 27602

Subject: **Levy 1&2 Phase 1A – Quick Start Progress Report April 30, 2007**

References: **Progress Energy to Shaw S&W Work Authorization No. 300968-01**

Dear Mr. Cleary:

Please find attached the Shaw Stone & Webster Phase 1A Quick Start Progress Report. The status is reported as of April 20, 2007.

Should you have any questions or require additional information, please contact me at (704) 378-5035.

Sincerely,

Mark Mills
Project Manager
Shaw Stone & Webster Nuclear

cc:		
	Garry Miller	Progress Energy
	Debbie Doyle	Progress Energy
	Linda Iller	Westinghouse
	Gayle Creamer	Shaw S&W
	Randy Whetsel	Shaw S&W

Attachment: Progress Energy Levy 1&2 Nuclear Units Phase 1A Quick Start Status Report through April 20, 2007

CONFIDENTIAL

SHAW STONE & WEBSTER MONTHLY STATUS REPORT

PROGRESS ENERGY LEVY 1&2 NUCLEAR UNITS PHASE 1A QUICK START

MONTHLY STATUS REPORT THROUGH APRIL 20, 2007

Project Overview

This is the first Levy 1&2 monthly report as Progress Energy Work Authorization No. 300968-01 was executed with Shaw Stone & Webster on March 20, 2007. This phase of the project is referred to as "Phase 1A - Quick Start" and is schedule for a period of seven (7) weeks from the execution date of the referenced work authorization.

Phase 1A – Quick Start activities have, to date, focused on:

- Phase 1 site specific DOR
- Conceptual Plot Plan
- Task Plans for the remaining work included in Phase-1A
- Project Execution Plan, Project QA Plan and Project Control Manual
- Phase 1A schedule and associated cost
- Site Geotechnical Review
- Regional Infrastructure Assessment

Safety

There were ZERO recordable, first aid and lost-time injuries for the 2,095 hours worked during this reporting period. (includes all Shaw Stone and Webster personnel on the Progress Levy 1&2 project)

Quality

There were ZERO corrective action reports issued during this reporting period.

Schedule Performance

The Phase 1A – Quick Start work in Tasks 1, 2, 3, 4, 5, and 9 will conclude within the time frame allowed by the referenced Work Authorization.

Major Accomplishments this Report Period

- Task 1 – The task plans for the remaining work in Phase 1A have been prepared and will be presented to Progress for review during the week of April 23, 2007 prior to delivery. The Project QA Plan has been issued.

- Task 2 – The DOR specific to the work associated in developing the COLA was established during the April 10, 2007 meeting between Progress Energy, the JVT and SSW.

- Task 2 -- The Phase 1A WBS, Schedule, and Cost Estimate has been drafted

- Task 3
  - A report on the initial power plant orientation assessment findings has been canceled. This scope was eliminated as Progress directed that the decision had been made to go with the offset configuration.
  - The review of the gas line and other potential underground services on the initial plot plan is on schedule and will be shown on the plot plan. The gas line is the only underground service in the area of concern.
  - Procedures indicated below and the Phase 1A Project Manual have been issued.
    - Project Document Control
    - Project Correspondence and Communications
    - Records Management
    - Project Technical Reports
  - Report identifying preliminary water requirements and recommendations for major water systems for input to the Client's water balance – Documents received from Progress Energy did not include water balance data as they had indicated. It is not available from COLA contractor yet.
  - Update the Client's risk matrix with any additional issues identified – Documents received from Progress Energy did not include risk matrix. Progress Energy reported that the matrix was being updated and was not available yet. No known issues to identify to the client at present (other than those identified by Mr. Whetsel based on the trip to the site in early April.)
  - COL-critical interface or support activities for SSW and restraints will be identified on the Phase 1A Level 3 schedule developed under Task 2. Critical interfaces with COLA activities were discussed in the April 10, 2007 COLA/SSW/Progress meeting and restraints are identified in the Task 3 Task Plan and will be added to the schedule as part of the Quick Start wrap-up.

- Task 4 - An evaluation of the existing geotechnical data from the COLA contractor has been completed. No new geotechnical information has been placed on the Server for evaluation. SSW's evaluation is essentially limited to the information obtained when Tim O'Donnell visited the site and to the discussions at the weekly teleconference. The Report for Preliminary Geotechnical Features Assessment is on schedule.

- Task 5 - A draft report of the regional infrastructure assessment which includes an evaluation of the railway, highway, barge, medical & fire fighting facilities and utilities has been prepared. A site visit by SSW personnel, in support of the infrastructure assessment, was also undertaken during this reporting period.

- Task 9 – Input to the preliminary project specific construction plot plan is on schedule.

Three (3) Week Look Ahead

The Project Execution Plan for Phase 1A is prepared and will be issued the week of April 30, 2007

The DOR items identified during the April 10 discussions with the JVT & Progress Energy have been incorporated into the overall DOR for Phase 1 and will be presented to Progress for review during the week of April 23, 2007 prior to delivery.

Complete the internal review of the Phase 1A WBS, Schedule, and Cost Estimate.

The Phase 1 Top Down Summary Schedule is on track for completion prior to the end of the Quick Start period.

Initial conceptual plot plan is progressing as planned and will be delivered on schedule.

The regional infrastructure assessment report is presently being reviewed internally and in on schedule for delivery to Progress.

The Phase 1A Quick Start completes during the second week of May 2007. All deliverables are on track for completion with discussions on the Progress' risk matrix ongoing. The Phase 1A task plans will be reviewed by Progress followed by an official delivery allowing for continued (bump less) service to the Levy 1&2 Nuclear Power Plant.

CONFIDENTIAL

Commercial/Budget Status

The Work Authorization valve for this work is Redacted There are no amendments to the original work authorization during this reporting period. The work authorization value is allocated to the Tasks as shown in the table below along with the budgeted versus actual. Present SSW internal projections show that the work will be completed for less than the budgeted amount even with the man loaded increase at the end of Phase 1A Quick Start to provide the deliverables. SSW is evaluating this discrepancy and believes it is due to efficiencies being realized from preceding project experience.

Code	Description	Budget $	Actual $	Budget Hrs	Actual Hrs	Percent Complete
0100000	TASK 1 - Project Management					
0200000	TASK 2 - Prepare Phase 1 DOR					
0300000	TASK 3 - Prelim. Site Specific Engineering					
0400000	TASK 4 - AP1000 Envelope / Geotech Evaluation					
0500000	TASK 5 - Regional Infrastructure - Part 1					
0900000	TASK 9 - Prelim. Project Specific Construction Plan					
1200000	TASK 12 - Travel Expenses					
Total for Phase 1A Tasks						
	Initial Site Visit Labor					
	Initial Site Visit Travel					
Total for Phase 1A Quick Start						

Redacted

Redacted

Redacted

Billing Status

Neither work nor travel has been invoiced.

Areas of Concern

- Update/review of the Client's risk matrix may not be accomplished as the risk matrix is presently being developed by Progress. Discussions with Progress have indicated that a preliminary review and integration of known risks to the risk matrix may be worth while in developing standard approaches to risk for both Phase 1A & Phase 1 work. This effort will be accomplished during the Quick Start Phase.

- Report identifying preliminary water requirements and recommendations for major water systems for input to the Client's water balance may not be completed. Documents received from Progress Energy did not include water balance data as they had indicated. Water balance data is also not available from COLA contractor yet.

- No new geotechnical information has been placed on the Server for evaluation. SSW's evaluation is essentially limited to the information obtained when Tim O'Donnell visited the site and to the discussions at the weekly teleconference.

Action Items

There are presently no action items.

CONFIDENTIAL

Shaw® Stone & Webster, Inc.

PROJECT STATUS REPORT

DECEMBER 2007

REPORT No. PEF – R- 000007

PROGRESS ENERGY LEVY 1 & 2 PHASE 1A

PROGRESS ENERGY LEVY 1 & 2 PRICE FINALIZATION

REDACTED

CONTRACT No. 300968

JANUARY 10, 2008

Progress Energy

AP1000

(1) CONFIDENTIAL

Project Overview

This status report covers Progress Energy's (PE) authorized work under Contract No. 300968 from December 3 to December 31, 2007. During this period, efforts were provided for Work Authorization 300968-02 Levy Units 1 & 2 Phase 1A, including SSW early permitting support associated with required "pre-construction" activitie REDACTED Id Work Authorization 300968-04 Levy Units 1 & 2, Phase 1A Extension, Price Finalization Cost Estimate and Schedule Work Activities.

Levy Units 1 & 2, Phase 1A (Work Authorization 02) activities planned and in process are included below. Due to re-direction of efforts and resources to Price Finalization efforts, the schedule for these activities was extended beyond the original October 5, 2007 completion date. Further schedule extension is anticipated to capture added work scope related to SSW early permitting support associated with required "pre-construction" activities and LNP COLA Constructability Reviews and Owner/Technical Reviews.

- Phase 1 Cost Estimate and Schedule.
- Revise Conceptual Design Packages for Site Specific Systems to incorporate final PE comments.
- Revise Conceptual Design Packages and/or Conceptual Design Sketches for Site Specific Facilities to incorporate final PE comments.
- Geotechnical Studies and Evaluations.
- Early Permitting Support associated with required "pre-construction" activities. .On November 8, 2007 Progress Energy issued Letter of Intent (LOI) No. NPD-SSW-2007 – 044 to SSW authorizing start of SSW support activities associated with Levy Nuclear Plant Early Permitting. These activities are specifically to support Early Permitting of the Barge Slip, Heavy Haul Road and Bridge, Pipeline Corridor, Site Access Roads, Railway Spur, and Transmission Corridor.
- Preparation of Scope Descriptions, Estimates and Impact Assessments for added work scope related to SSW Early Permitting support and LNP COLA Constructability Reviews and Owner/Technical Reviews.

REDACTED

Levy Units 1 & 2, Phase 1A Extension, Price Finalization (Work Authorization 04), consists of [illegible] related to site specific buildings, systems and components, and studies and evaluations (transportation studies, craft surveys, etc.) to determine the cost impact of the site region on the overall plant cost. Authorization extends to development of Conceptual Design Packages (CDPs), Preliminary Conceptual Design Reports (CDRs) for all Permanent and Temporary Site Specific Systems and Structures, Geotechnical and Environmental initiatives supporting site development, pre-construction planning efforts and activities related to Project Management, Administration, Document Control, QA/QC, Project Controls, Cost Estimating, Procurement and Licensing support for this work.

Levy Units 1 & 2, Phase 1A Extension, Price Finalization Cost Estimate and Schedule Work Activities commenced on September 14, 2007 and will be completed February 14, 2008.

Safety

There were no first aid and lost-time injuries for the 6,380 hours worked during this report period. (This includes all Shaw Stone & Webster personnel supporting the three current Work Authorizations and LOI). Except for one recordable injury (reported in the October Monthly Report), including the completed Work Authorization 01, the project has worked 37,285 cumulative hours with no other recordable, first aid and lost-time injuries under Contract No. 300968.

CONFIDENTIAL

Quality

There were no new QA Audits and QA surveillances of project activities during this reporting period. QA support, however, continues with review of audit observations responses and closure.

QA support also provided support during the preparation and issuance of the Project Training Matrix and draft revisions to Project MPPQP and other Project Procedures to include impact of additional work scope activities authorized by PE.

Licensing

REDACTED

Other Licensing Activities

- Supported preparation and submittal to PE of new scope (Task 11) Change order/Impact Evaluation #91on WA02.

Performance and Analysis

Levy 1 & 2 Phase 1A (Work Authorization 02)

Activities associated with Tasks 1, 3, 5, 6, 7, and 10 were completed in November and these Tasks have been closed. Remaining activities, associated with Tasks 2, 4, 8, and 9 are now completed and will also be closed. Task 12, Travel Expenses, will remain open pending receipt of December expense reports. This completes all the original Phase 1A scope activities. Completion of this work was accomplished significantly under the authorized budget. Please refer to **Commercial/Budget Status** section below for details.

Work Authorization 02, however, will remain open to include the following:

- Task 11 – LNP COLA Constructability Reviews and Owner/Technical Reviews. A cost and schedule impact evaluation of this task on Work Authorization 02 has been submitted to PE for approval.

- Task 13 – Early Permitting Support. A cost and schedule impact evaluation of this task on Work Authorization 02 has been completed and has been submitted to PE for approval. Work on this Task is in process in accordance with Progress Energy LOI No. NPD-SSW-2007 – 044.

REDACTED

CONFIDENTIAL

Major Accomplishments this Report Period

Levy 1 & 2 Phase 1A – Work Authorization 02

Tasks 1, 3, 5, 6, 7 and 10

- These Tasks were completed in November and are closed.

Task 2 and Task 8

- Completed Phase 1 Cost Estimate and Schedule and formally issued it to PE on December 21, 2007, with Proposal letter number SSWN-PEF-000105.

Task 4

- Completed the Geotechnical Conceptual Design Evaluation (CDE) for Power Block and turbine Foundations
- Incorporated PE comments on the BOP Boring Location Plan.
- Completed the Geotechnical input for preliminary Excavation Drawings.

Task 9

- Finalized input to Phase 1 Schedule and estimate..

REDACTED

Levy 1 & 2 Phase 1A Extension – Price Finalization-Work Authorization 04

Project Management and Administration

- Project Controls, Document Control, Procurement, and Project Management support provided as required.

Engineering – Buildings and Yard Areas

- Completed Cost Books write-ups and MTOs for buildings/Structures.

***Engineering* – Mechanical Systems**

- Completed Cost Books write-ups and MTOs for the Mechanical Systems.

Engineering – Other Systems

- Completed Cost Books write-ups and MTOs for Electrical and I&C systems.

Environmental/Geotechnical

- Developed Consensus Conceptual Design Report for NI, TI, and T-pad Excavation and Foundations.
- Revised Boring Location Plan.
- Scoped and Estimated Site investigations.
- Supported Inter-discipline Reviews for Building & Systems.

Construction

- Updated PF Estimate Matrix
- Supported Inter-discipline Reviews for Building & Systems
- Continued Development, Review and update of:
  - Construction Plans and Procedures
  - Building Foundation Plans
  - Construction of temporary and Permanent Buildings and Facilities
  - Excavation and Backfill plan
  - Site Shipping and Traffic Logistic Studies
  - Ground Water Strategy

4-Week Look Ahead

Levy 1 & 2 Phase 1A –Work Authorization 02

- *All Phase 1A original Tasks have been completed.*
- **Task 11- Levy COLA Reviews**
  - Receive PE approval of Change Order/Impact Evaluation #91 to commence work.
  - Start and complete Environmental Report Chapter 1 review (assuming 01/07/2008 start).
  - Start and complete FSAR Chapter 2.5.1 review (assuming 01/07/2008 start).
- **Task 13- Early Permitting Support**
  - Receive PE approval of Change Order/Impact Evaluation #92 to continue work beyond current LOI authorization.
  - Continue ERP and ACOE permits support.

Levy 1 & 2 Phase 1A Extension – Price Finalization-Work Authorization 04

Project Management and Administration

- Update as required resource-loaded Schedule.
- Continue Project Controls, Document Control, Procurement, Project Management and QA support as required.

Engineering – Buildings and Yard Areas

- Final reviews of Cost Book Write-ups and estimates for buildings /structures.

Engineering – Mechanical Systems

- Final reviews of Cost Book Write-ups and estimates for Mechanical Systems.

Engineering – Other Systems

- Final reviews of Cost Book Write-ups and estimates for Electrical and I&C Systems

Environmental / Geotechnical

- Document Consensus Conceptual Design Report for NI, TI, and T-pad Excavation and Foundations
- Revise Boring Location Plan
- Scope and Estimate Site investigations
- Continue to Support Inter-discipline Reviews for Building & Systems

Construction

- *Update PF Estimate Matrix as required*
- Support Final cost books reviews for Building & Systems
- Identify and Document LWA activities
- Finalize Construction Plans and Procedures:
  - Building Foundation Plans
  - Construction Buildings and Facilities
  - Site Shipping, Traffic Logistic and Module Management Plans
  - Crane Selection and Location
  - Excavation and Backfill Plan
  - Ground Water Strategy
- Complete Construction Estimate Inputs

Licensing

Planned Activities for January 2008

Levy 1& 2 Phase 1A – Work Authorization 02

- Please See 4-Week Look Ahead-Task 11 above.

REDACTED

Commercial/Budget Status

Levy 1 & 2 Phase 1A -Work Authorization 02 Redacted
The Work Authorization value for this scope is . The work authorization value is allocated to the Tasks as shown in the table below along with the budgeted versus actual

Total value includes, as Task 13, the Early Permitting Support activities authorized by LOI letter No. NPD-SSW-2007 – 044.

Except as noted, all original Work Authorization 02 Tasks have been completed. As summarized below, the difference between the "Estimated at Completion" Value and the "Total Authorized" value represent a significant under run. These un-used funds will be applied to fund the additional work scope reflected on *Change Orders/Impact Evaluations #91 and #92.* The estimated cost of these Change Orders is also reflected below.

CONFIDENTIAL

Authorization No. 300968-02

Project Status Through: 12/30/2007

		Original Budget	Current Budget	Budget Variance	Schedule Variance	Earned Value	Actual Cost	Estimate to Complete	Estimate at Completion
		A	B	C	D = B - A	E = B - C	F	G	H = F + G	I	J = C + I
01	**Project Management & Administration**										
	Hours	2,468	2,468	2,468	0	0	2,468		2,468	0	2,468
	Dollars $	Redacted									
02	**Scope of Work and WBS**										
	Hours	1,583	1,583	1,583	0	0	1,920		1,920	0	1,584
	Dollars $	Redacted									
03	**Preliminary Site Specific Engineering**										
	Hours	5,292	5,292	5,292	0	0	5,292		5,292	0	5,292
	Dollars $	Redacted									
04	**AP1000 Envelope / Geotech Evaluation**										
	Hours	1,148	1,148	1,148	0	0	1,200		1,200	0	1,149
	Dollars $	Redacted									
05	**Regional Infrastructure Part 1**										
	Hours	826	826	826	0	0	826		826	0	826
	Dollars $	Redacted									
06	**Site Specific Procurement Plan Part 1**										
	Hours	67	67	67	0	0	450		450	0	67
	Dollars $	Redacted									
07	**Early Procurement/Vendor Commitments**										
	Hours	159	159	159	0	0	400		400	0	159
	Dollars $	Redacted									
08	**Preliminary Site Specific Schedule**										
	Hours	589	589	589	0	0	2,240		2,240	0	589
	Dollars $	Redacted									
09	**Prelim Project Specific Construction Plan**										
	Hours	1,475	1,475	1,475	0	0	2,100		2,100	0	1,475
	Dollars $	Redacted									
10	**Temporary Facilities / Permanent Conversion**										
	Hours	556	556	556	0	0	640		640	0	556
	Dollars $	Redacted									

(Continued on next page.)

CONFIDENTIAL

January 10, 2008

Authorization No. 300968-02

Project Status Through: 12/30/2007

	A	B	C	D = B - A	E = B - C	F	G	H = F + G	I	J = C + I
12 Travel Expenses										
Dollars $	Redacted									
13 Early Permitting Support – LOI Authorization										
Hours	518	518	518	0	0	900		900	382	900
Dollars $	Redacted									
TOTAL										
Hours	14,681	14,681	14,681	0	0	18,436		18,436	382	15,063
Dollars $	Redacted									

Change Orders / Impact Evaluations Submitted for PE Approval

Authorization No. 300968-02 – CHANGE ORDERS / IMPACT EVALUATIONS #91 and #92

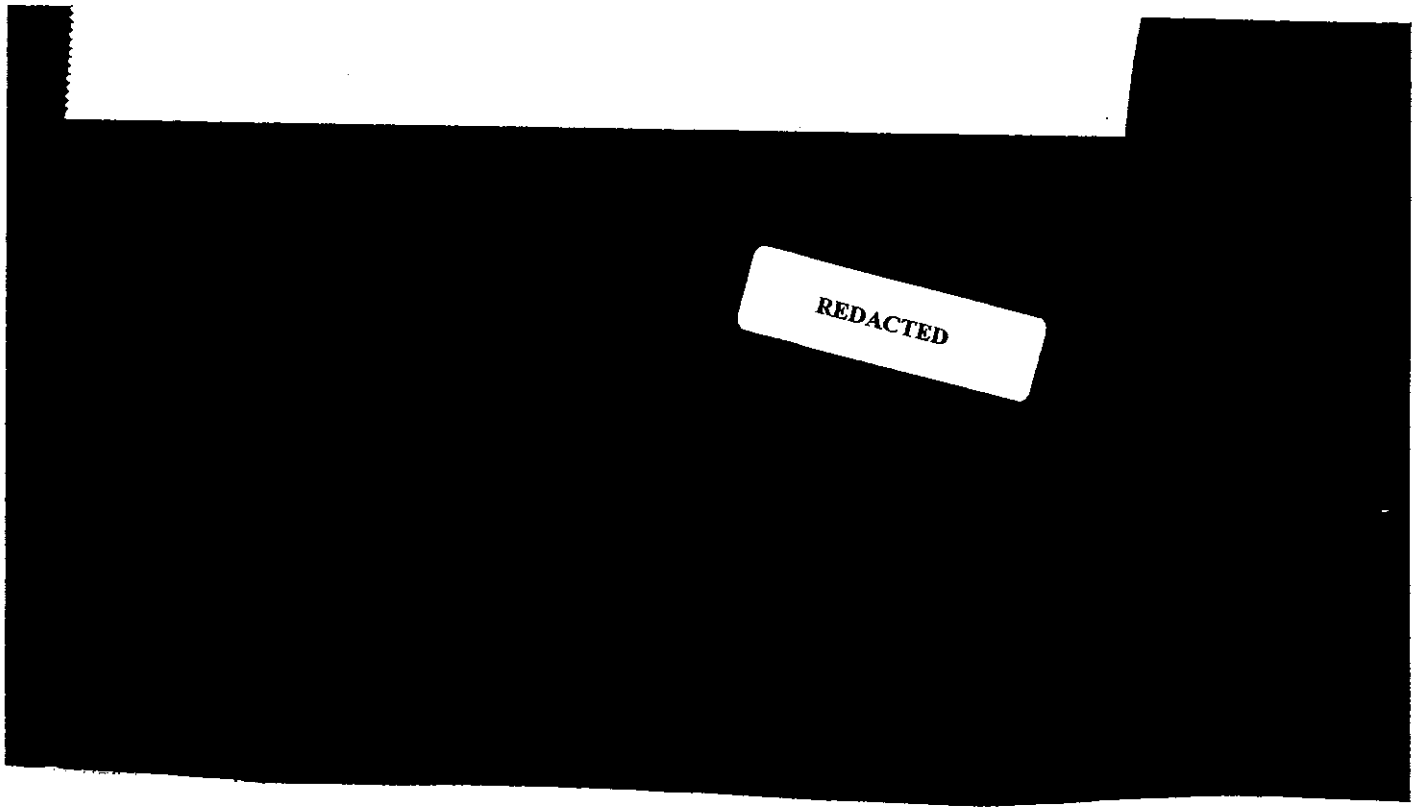
Project Status PENDING PROGRESS ENERGY APPROVAL

	A	B	C	D = B - A	E = B - C	F	G	H = F + G	I	J = C + I
11 COLA Support Change Order / Impact Evaluation #91.										
Hours						1,050				1,050
Dollars $										Redacted
Travel Expenses						Redacted				
Dollars $										
Total Estimated Dollars $ - Task 11										
13 Early Permitting Support Change Order / Impact Evaluation #92.										
Hours						7,790				7,790
Dollars $										Redacted
Travel Expenses						Redacted				
Dollars $										
Total Estimated Dollars $ - Task 13										
TOTAL										
Hours						8,840				8,840
Dollars $						Redacted				Redacted

* Includes urrently authorized by LOI

Redacted

CONFIDENTIAL



Levy 1 & 2 Phase 1A – Price Finalization - Work Authorization 04

The Work Authorization value for this scope is Redacted The work authorization value is allocated to the Tasks as shown in the table below along with the budgeted versus actual.

(Continue on next page)

CONFIDENTIAL

January 10, 2008

Authorization No. 300968-04
Project Status Through: 12/30/2007

Task ID	Task Description	Planned to Date	Earned to Date	Actual to Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	Estimate to Complete	Estimate at Completion
		A	B	C	D = B - A	E = B - C	F	G	H = F + G	I	J = C + I
Project Management											
99010	Project Management & Administration										
	Hours	805	805	805	0	0	1,395		1,395	591	1,395
	Budget $	Redacted									
99030	Procurement										
	Hours	103	103	103	0	0	871		871	768	871
	Budget $	Redacted									
99060	Document Controls										
	Hours	133	133	133	0	0	523		523	390	523
	Budget $	Redacted									
99070	QA										
	Hours	386	386	386	0	0	697		697	312	697
	Budget $	Redacted									
99080	Project Controls										
	Hours	652	652	652	0	0	1,917		1,917	1,265	1,917
	Budget $	Redacted									
99501	Travel - PROJECT MANAGEMENT										
	Budget $										
Subtotal Project Management											
	Hours	2,078	2,078	2,078	0	0	5,403		5,403	3,325	5,403
	Budget $	$199,566	$199,566	$199,566	$0	$0	$602,874	$85,876	$688,750	$489,190	$688,750
Construction											
99141	Site Dev. Interface w/Standard Plant										
	Hours	538	538	538	0	0	800		800	262	800
	Budget $	Redacted									
99142	Mgmt. Processes, Procedures, etc.										
	Hours	1,487	1,487	1,487	0	0	2,700		2,700	1,213	2,700
	Budget $	Redacted									
99143	Excav/Fill, Retaining Wall, Lampson Pad										
	Hours	700	700	790	0	(90)	1,000		1,000	210	1,000
	Budget $	Redacted									
99144	Construction Bldg. & Facilities										
	Hours	820	840	863	20	(23)	900		900	37	900
	Budget $	Redacted									
99145	Mod/CV Mgmt Assembly & Laydown										
	Hours	602	530	387	(72)	143	800		800	413	800
	Budget $	Redacted									
99504	TRAVEL - CONSTRUCTION										
	Budget $										
Subtotal Construction											
	Hours	4,147	4,096	4,046	(52)	50	6,200		6,200	2,135	6,200
	Budget $	Redacted									
Engineering											
99020	Engineering Management										
	Hours	2,378	2,378	2,624	0	(246)	3,131		3,131	507	3,131
	Budget $	Redacted									
99090	Licensing										
	Hours	150	150	209	0	(59)	174		174	(35)	174
	Budget $	Redacted									
9899	PRICE FINALIZATION -- SYSTEMS										
	Hours	4,102	3,939	3,635	(163)	305	5,000		5,000	1,366	5,000
	Budget $	Redacted									
9899B	PRICE FINAL -- BLD, YRDS, RDS, ETC.										
	Hours	5,851	5,741	4,525	(110)	1,216	6,400		6,400	1,875	6,400
	Budget $	Redacted									
99502	Travel - ENGINEERING										
	Budget $										
Subtotal Engineering											
	Hours	12,481	12,208	10,993	(273)	1,216	14,705		14,705	3,713	14,705
	Budget $	Redacted									

(Continued on next page)

CONFIDENTIAL

January 10, 2008

Authorization No. 300968-04
Project Status Through: 12/30/2007

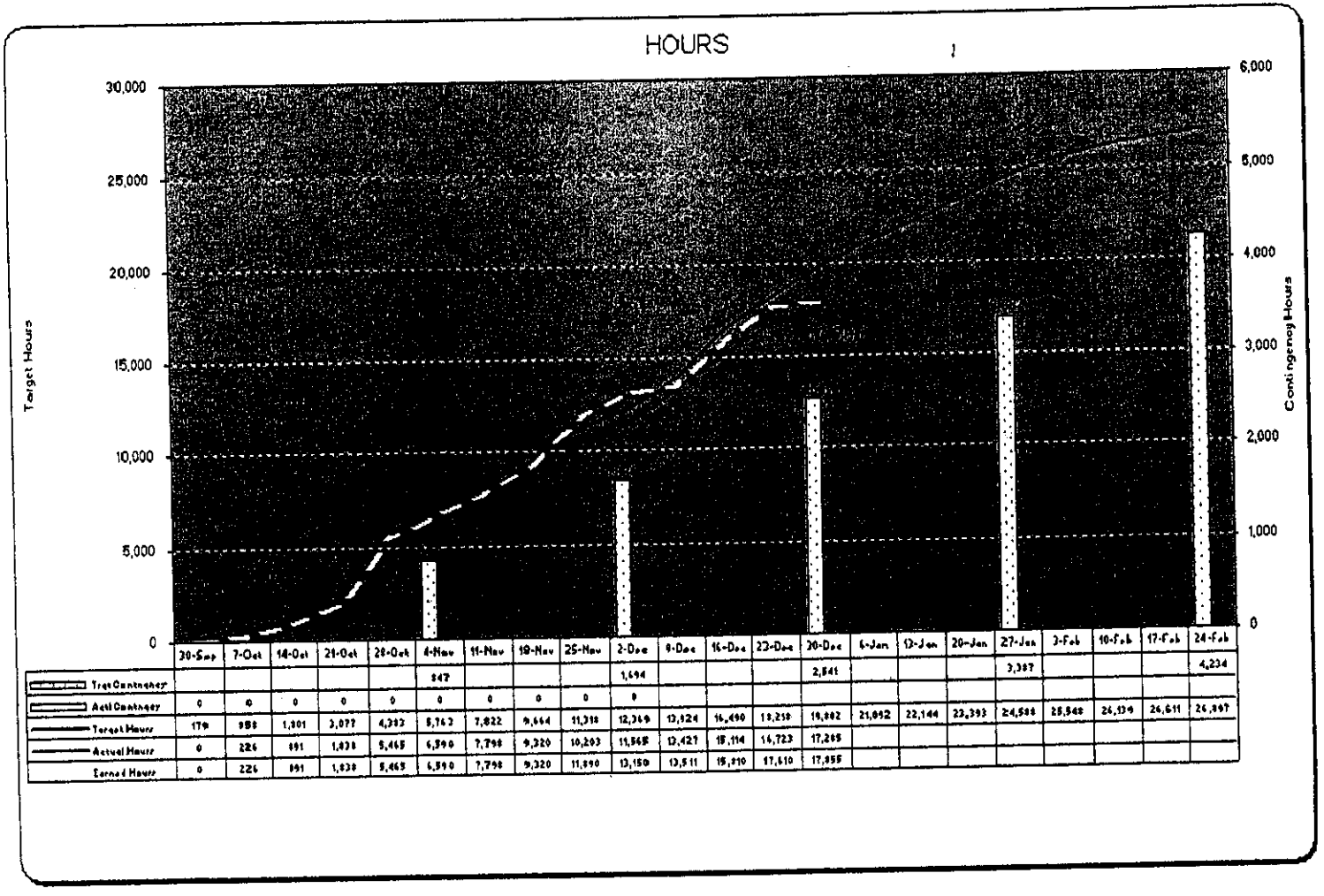
Task ID	Task Description	Planned to Date	Earned to Date	Actual to Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	Estimate to Complete	Estimate at Completion
		A	B	C	D = B - A	E = B - C	F	G	H = F + G	I	J = C + I
Geotechnical											
94255	Geotechnical Studies										
	Hours	611	610	150	(1)	460	1,315		1,315	705	855
	Budget $	Redacted									
99503	TRAVEL - GEOTECHNICAL										
	Budget $										
Subtotal Project Geotechnical											
	Hours	611	610	150	(1)	460	1,315		1,315	705	855
	Budget $	Redacted									
TOTAL	PROGRESS ENERGY PHASE 1A EXTENSION – PRICE FINALIZATION										
	Hours	19,317	18,991	17,265	(326)	1,706	27,623		27,623	9,878	27,163
	Budget $	Redacted									

(Continue on next page)

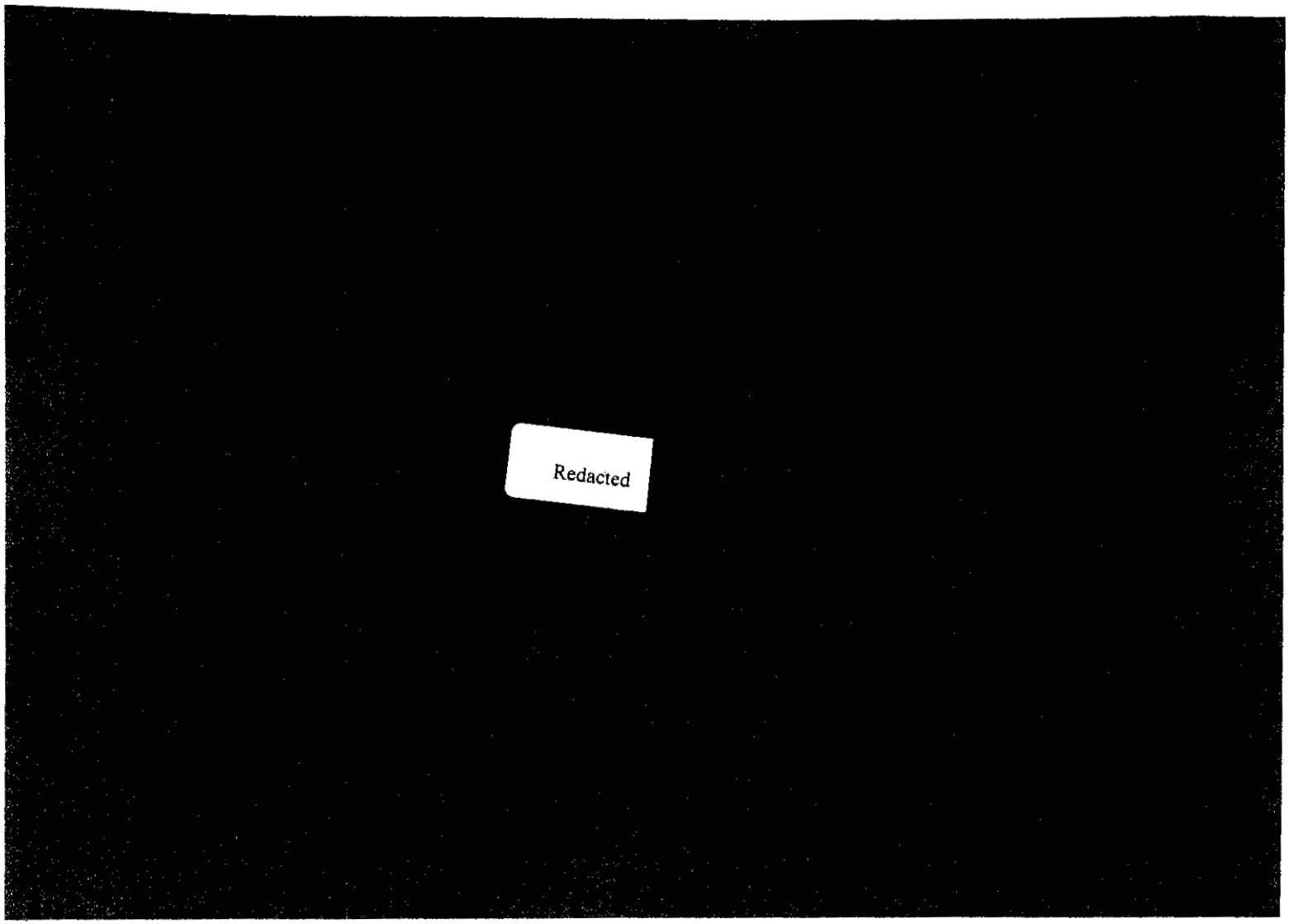
January 10, 2008

CONFIDENTIAL

CPI =	1.10
SPI =	1.00



	30-Sep	7-Oct	14-Oct	21-Oct	28-Oct	4-Nov	11-Nov	18-Nov	25-Nov	2-Dec	9-Dec	16-Dec	23-Dec	30-Dec	6-Jan	13-Jan	20-Jan	27-Jan	3-Feb	10-Feb	17-Feb	24-Feb
Trgt Contingency						847				1,494				2,841				3,387				4,234
Actl Contingency	0	0	0	0	0	0	0	0	0	0												
Target Hours	179	958	1,801	3,077	4,393	5,762	7,822	9,664	11,318	12,369	13,124	16,490	15,218	16,882	21,052	22,144	23,393	24,588	25,568	26,139	26,611	26,997
Actual Hours	0	226	891	1,838	5,465	6,590	7,798	9,320	10,203	11,568	13,421	15,114	14,723	17,265								
Earned Hours	0	226	891	1,838	5,465	6,590	7,798	9,320	11,690	13,150	13,511	15,210	17,610	17,955								


Redacted

CONFIDENTIAL

January 10, 2008

Billing Status

As of the date of this report, four (4) invoices were issued on Progress Work Authorization 01 for a total billed amount of Redacted All invoices have been paid.

Four (4) invoices have been issued on Progress Work Authorization 02 that total Redacted A total of Redacted has been paid.

REDACTED

One invoice has been issued for Work Authorization 04 that totals Redacted issued December 5, 2007.

Action Items

Action Items List updated as of 01/07/2008 is attached.

Attachments

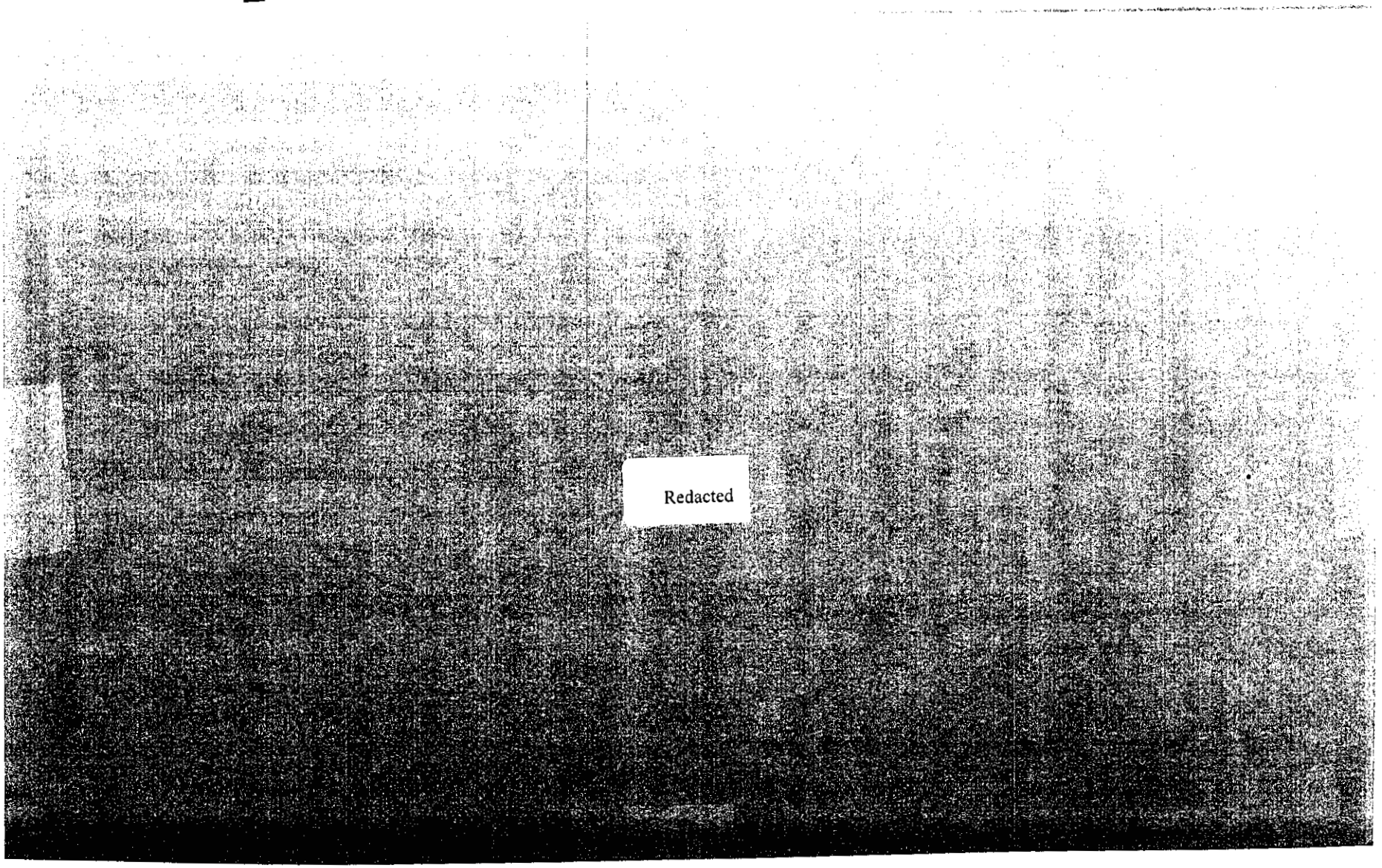
- Progress Energy Levy 1 & 2 Price Finalization Schedule 4-week look ahead
- Action Items List

CONFIDENTIAL

Progress Energy Levy 1 & 2 Price Finalization Schedule 4-week look ahead

(7 pages to follow)

CONFIDENTIAL



6 PAGES

ARE CONFIDENTIAL

CONFIDENTIAL

PROGRESS ENERGY - ACTION ITEM LIST

DATE: 01-07-2008

Item	Action	Owner	Opened Date	Due Date	Status	Comments
001	Release Training Center Hold by Progress Energy.	PE	11/09	11/19	**Completed 11/13**	Training center will be a copy of SCANA with two Simulators
002	Progress Energy notification that the SSW Charlotte Office location has been officially incorporated into the Progress Energy QSL.	PE	10/10	11/30	**Completed 11/13**	Reference NUPIC Audit Report CQA2007-117. Debbie Doyle confirmed that the SSW Charlotte Office has been added to the PE QSL
003	Progress Energy authorization to proceed with Phase 1A Task 11 (COLA Review / Owner Review) for Levy 1 & 2.	Debbie Doyle	10/25	1/10/2008	Completed 1/07/08	To be done via a change order to WA02. SSW will submit Change Order/impact evaluation on 11/30. BK to provide COLA submittal schedule from the JVT and pertinent instructions defining expected extent/level of SSW review. SSW submitted CO/Impact evaluation #91 to WA02 on 12/19/07. PE approval received on 1-07-08
004	**REDACTED**					
005	Early Permitting Change Order /impact evaluation	Debbie Doyle	11/26	1/15/2008	In progress	SSW requires the LOI expiration date to be extended to 12/15. Completion of Action item 006 is a pre-requisite to completing this item. LOI extension to 12/20 received 12/04. SSW submitted change order/impact evaluation #92 to WA02. on 01/07/08. PE approval required
006	Assign DOR to the Early Permitting Tasks Matrix	Bob Kitchen	11/21	11//30	**Completed 12/07**	PE to schedule meeting with the JVT, CH2M HILL and SSW ASAP. Matrix sent to CH2M HILL for initial DOR assignment. BK to set up meeting to finalize it. DOR completed during 12/06/07 teleconference.
007	WLS Tie-in, Dilution and discharge to Outfall	Randy Whetsel	11/12	11//30	Completed 12/14	Requires meeting with Garry Miller. Randy to set up meeting. SSW supports PE decision. There are no regulatory issues.
008	Storm water run-off / Cooling Tower Basin	Randy Whetsel	11/19	11//30	**Completed 12/04**	No technical and/or design issue

CONFIDENTIAL

Action Items List

(4 pages to follow)

Item	Action	Owner	Opened Date	Due Date	Status	Comments
009	Circ. Water System Optimization	Garry Miller	11/13	11//30		Requires meeting with Garry Miller. Randy to set up meeting. Price finalization is proceeding with current conceptual design which is based on square towers and current heat balance, which supports estimate. Optimization issues may be addressed during detail design. Garry to advise if further action is needed now.
010	Confirm LWA Scope	Bob Kitchen	11/28	01/06/2008		
011	Develop Schedule for LWA to support submittal in July 2008	Bob Kitchen	11/28	01/10/2008		
012	HDPE pipe use justification report	Chase Thomas	12/05	12/07	Completed 12/10	Need approval from PE. Project will use HDPE piping
013	Training and Visitor's Centers	Debbie Doyle	12/05	12/07		Require guidance from PE regarding scope and price finalization responsibility. SSW will include cost in price. PE to approve conceptual designs submitted. Price finalization is proceeding based on conceptual designs submitted
014	Emergency/Fire/Medical Rescue Center	Norm Ruhl	12/05	12/07	Completed 12/21	Require guidance from PE regarding scope and price finalization responsibility. Norm to provide regulatory justification for this center Justification of need for an Emergency Fire/ Medical / Rescue Center to be built off highway 19 along the primary access road to support the site and local area provided to Garry on 12/21 This building has been designated as building 187 and is located on the site plan as recommended above. The conceptual design of this center has been reviewed by our Construction group and by Homer Carter (PE-Plant operations). Their comments have been incorporated. This conceptual design will be included in the Price Finalization scope.
015	Proposed Plan for BOP Geological Site Investigation	Tim O'Donnell	12/19	1/15/08		PE comments received on 12/19. SSW to incorporate comments and re-submit to PE for final approval
016	Confirm that the ERP will not address the rail road corridor or the blow down piping discharge system along the HH road and in the barge canal.	Joe Pavletich	12/07	TBD	Completed 12-10-07	Confirmed, these are not required for infrastructure work.

Item	Action	Owner	Opened	Due	Status	Comments
017	Determine what level of design completion (60%, 90%?) is acceptable for permit submission. (PE, CH2)	Joe Pavletich	12/07	TBD	**Completed 12-10-07**	Issued clarified. CH2 to make initial phone contact and have State identify the Regulator who will be assigned to the ERP review. That person will then be contacted by phone to ask about the required design completion level and to arrange for a pre-application meeting on or about Jan 15, 2008. 60% design will be required
018	Determine if the 100-yr flood elevation required for the ERP is the same used in the COLA.	Joe Pavletich	12/07	TBD	**Completed 12-10-07**	The COL uses several different flood elevations (25 and 50-yr) for conservatism. We can use the 100-yr flood elevation.
019	Determine if there are any legal implications for providing a "written statement proving the necessity and justification for the potential impacts to the coastal ecosystem which may be caused by the proposed coastal construction" (Part of the 404 Permit requirements)	Joe Pavletich	12/07	TBD	**Completed 12-11-07**	Contacted Jamie Hunter and he seemed to feel that this is not applicable for this ERP. Would probably be necessary for the blowdown piping when it runs out to sea. This item becomes "NA" on DOR ERP matrix sheet.
020	Explore, ftp, or portal site set-up to facilitate the transfer and consistency of information between companies.	Joe Pavletich	12/07	TBD	**Completed 12-14-07**	Barbara Taylor (Shaw) is arranging for access to a portion of the Shaw e-room or setting up an ftp site. Should be available soon, possibly by the end of the week. An e-room folder has been set-up.
021	Establish required dates for submittal "early" permits	Joe Pavletich	12/07	**Dec 21 (#1)**	In progress	Several critical dates have been established by CH2. 1) Dec 21 -Need for stormwater management facility locations and drawings 2) Jan 15 – For completion of Mitigation Plan, Functional assessments and pre-application meeting with FDEP 3) "Control" of property by Jan 15.
022	Levy Phase 1 estimate and schedule review by PE	Carlos Fonseca	12/12	12/12	**Completed 12-14-07**	These activities will be removed from the Phase 1A schedule as they will be performed by PE after SSW proposal is submitted.
023	PE	Garry Miller	12/18	12/19	**Completed 12-14-07**	PE approval of HH road re-routing to avoid wetland

Item	Action	Owner	Opened Date	Due Date	Status	Comments
024	WWS System revised CDP-Final PE approval required	Chase Thomas	12-03-07	12-20-07		Refer to transmittal SSWN-PEF-000093 -Revision incorporates final comments from PE
025	Levy COLA review. Please Provide Chapter 2.5.1	Bob Kitchen	1-07-08	1-10-08		

New items, and/or, information are in red font

CONFIDENTIAL

SHAW STONE & WEBSTER FINAL STATUS REPORT

PROGRESS ENERGY LEVY 1&2 NUCLEAR UNITS PHASE 1A QUICK START

Shaw® Stone & Webster, Inc.

Project Overview

This is the Final Levy 1&2 monthly report to Progress Energy's Work Authorization No. 300968-01. This phase of the project is referred to as "Phase 1A - Quick Start" and was schedule for a period of seven (7) weeks from the execution date of the referenced work authorization. The period of performance was extended to June 30, 2007, on May 29, 2007, via Amendment Number 1 to Work Authorization No. 300968-01.

Phase 1A – Quick Start activities have focused on:

- Phase 1 site specific DOR
- Conceptual Plot Plan
- Task Plans for the remaining work included in Phase-1A
- Project Execution Plan, Project QA Plan and Project Control Manual
- Phase 1A schedule and associated cost
- Site Geotechnical Review
- Regional Infrastructure Assessment

Safety

There were ZERO recordable, first aid and lost-time injuries for the 4,423 hours worked during the Quick Start period. (includes all Shaw Stone and Webster personnel on the Progress Levy 1&2 project)

Quality

There were ZERO corrective action reports issued during this reporting period.

Schedule Performance

The Phase 1A – Quick Start work in Tasks 1, 2, 3, 4, 5, and 9 concluded on June 10, 2007 with deliverables transmitted to Progress Energy. The table below cross references each deliverable with the Shaw Stone & Webster transmittal number.

Levy 1&2 List of Deliverables from WA#1 (No. 300968-01)	*Product Deliverable*
Task 1 - PROJECT MANAGEMENT	
Task plans for 1A	**SSWN-PEF-000014**
PEP	**SSWN-PEF-000005**
Monthly status reports	**SSWN-PEF-000004**
Task 2 - PHASE 1 DOR/PLAN/SCHEDULE	
Phase 1 Site Specific DOR	Awaiting Progress determination of DOR pertinence with respect to EPC contract, deliverable moved to Task-2 of WA # 300968-02.
Phase 1A WBS & Schedule Level 3 tied to COL/Westinghouse/PE schedules	**SSWN-PEF-000013**
Phase 1 WBS with Level 2 schedule	**SSWN-PEF-000012**
Task 3 - SITE SPECIFIC ENGINEERING	
Conceptual plot plan	**SSWN-PEF-000011 & SSWN-PEF-000016**
Report on initial power plant orientation	Progress stated orientation will not change due to COLA schedule, report not needed, Progress notified meeting of May 8, 2007.
Gas line & other underground stuff on initial plot plan	**SSWN-PEF-000016**
Project Document Control	PP-5-1-0 issued 04/04/07
Project correspondence & communications	PP-6-1-0 issued 04/04/07
Records management	PP-7-1-0 issued 04/11/07
Project technical reports	PP-5-4-0 issued 04/11/07
Report on water requirements & major water systems	Progress requirements documents not received.
Update to clients risk matrix	Progress' risk matrix not mature enough to update.
COL critical interfaces in Phase 1A level 3 (Task-2)	*See Task-2 above*
Task 4 -AP1000 ENVELOP EVALUATION/SITE GEOTECH REVIEW/ASSESSMENT	
Report documenting	**SSWN-PEF-000008**
Work performed	see SSWN-PEF-000008

CONFIDENTIAL

Levy 1&2 List of Deliverables from WA#1 (No. 300968-01)	Product Deliverable
Results of preliminary assessment	see SSWN-PEF-000008
Recommendation for additional geotech data	see SSWN-PEF-000008
Folllow-up activities for balance of Phase1A for task-4	see SSWN-PEF-000008
Identification of potential challenges to the design, with mitigation recommendations	see SSWN-PEF-000008
Task-5 - REGIONAL INFRASTRUCTURE ASSESSMENT	
Report documenting	**SSWN-PEF-000009**
Work performed	see SSWN-PEF-000009
Results of primary investigation	see SSWN-PEF-000009
Follow-up work activities & schedule to be performed during balance of Phase 1A for task-5	see SSWN-PEF-000009
Task-9 - PROJECT SPECIFIC CONSTRUCTION PLOT PLAN	
Report documenting	**SSWN-PEF-000009**
Work performed	see SSWN-PEF-000009
Preliminary constructability reviews	see SSWN-PEF-000009
Input into conceptual plot plans (task-3)	see SSWN-PEF-000009
Follow-up work activities & schedule to be performed during balance of Phase 1A for task-9	see SSWN-PEF-000009

CONFIDENTIAL

June 11, 2007

Commercial/Budget Status

The Work Authorization valve for this work was [redacted] Amendment No. 1 allowed for an extension of performance period to June 30, 2007. The work authorization value is allocated to the Tasks as shown in the table below along with the budgeted versus actual.

TASK/OWNER	BILLED COSTS MARCH 2007	BILLED COSTS APRIL 2007	BILLED COSTS MAY 2007	COSTS JUNE 2007	CUM to June 17, 2007	Work Autorization Delineation	WA Delta to Date	Projected to WA#1 closure
Initial Site Visit – Labor								
Hours	229	0	0	0	229		(229)	(229)
Budget $	[redacted]							
Initial Site Visit – Travel					0			
Budget $	[redacted]							
TASK 1 - Project Management								
Hours	148	392	173	57	769	520	(249)	(263)
Budget $	[redacted]							
TASK 2 - Prepare Phase I DOR								
Hours	111	359	339	38	847	680	(167)	(167)
Budget $	[redacted]							
TASK 3 - Prelim. Site Specific Engineering								
Hours	97	852	648	58	1,655	1,440	(215)	(230)
Budget $	[redacted]							
TASK 4 - AP1000 Envelope / Geotech Evaluation								
Hours	7	127	88	0	222	600	179	179
Budget $	[redacted]							
TASK 5 -Regional Infrastructure - Part 1								
Hours	23	237	163	0	423	400	(23)	(23)
Budget $	[redacted]							
TASK 9 - Prelim. Project Specific Construction Plan								
Hours	0	55	184	40	279	160	(119)	(129)
Budget $	[redacted]							
TASK 12 - Travel Expenses								
Budget $	[redacted]							
Hours	614	2,022	1,594	193	4,423	3,600	(823)	(861)
Budget $	[redacted]							

Redacted

CONFIDENTIAL

Billing Status

Invoice Number	Invoice Date	Amount	Paid Date
107726	05/14/07	[redacted]	06/13/07
108067	06/08/07		

Redacted

Areas of Concern

- Update/review of the Client's risk matrix was not accomplished as the risk matrix is presently being developed by Progress. Discussions with Progress have indicated that a preliminary review and integration of known risks to the risk matrix may be worth while in developing standard approaches to risk for both Phase 1A & Phase 1 work. This effort will be accomplished during the Phase 1A work.

- Report identifying preliminary water requirements and recommendations for major water systems for input to the client's water balance was not completed. Documents received from Progress Energy did not include water balance data as was had indicated. Water balance data is also not available from COLA contractor.

- No new geotechnical information has been placed on the Server for evaluation. SSW's evaluation is essentially limited to the information obtained when Tim O'Donnell visited the site and to the discussions at the weekly teleconference.

- Progress stated that plant orientation will not change due to the COLA schedule and that an SSW report is not needed, this was confirmed in the May 8, 2007 meeting with both the JVT and Progress Energy. A discussion of the final layout of the cooling towers is ongoing and should be resolved during the Phase 1A work under Work Authorization Number 300968-02.

- A resolution as to the DOR is ongoing and will be resolved during Phase 1A with the deliverable moved to Task-2 of WA # 300968-02.

Action Items

There are presently no action items.

CONFIDENTIAL

AP1000

SHAW STONE & WEBSTER

PROJECT STATUS REPORT

September 2007

REPORT No. PEF – R- 000004

PROGRESS ENERGY LEVY 1 & 2 PHASE 1A

And

REDACTED

Shaw® Stone & Webster, Inc.

CONTRACT No. 300968

CONFIDENTIAL

Project Overview

This status report covers authorized work under Contract No. 300968 during September 02 – September 30, 2007. During this period, efforts were provided for Work Authorization 300968-02 Levy Units 1 & 2 Phase 1A,
REDACTED
Levy Units 1 & 2, Phase 1A Extension, Price Finalization Cost Estimate and Schedule Work Activities.

Phase 1A (Work Authorization 02) activities planned and in process include:

- Phase 1 Cost Estimate and Schedule (delayed due to redirection of efforts to Price Finalization cost estimate and schedule)
- Conceptual Design Packages for Site Specific Systems (some deliverables affected by missing design input information and redirection of efforts to Price Finalization cost estimate and schedule)
- Geotechnical Studies and Evaluations (some deliverables affected by missing design input information and redirection of efforts to Price Finalization cost estimate and schedule)
- Regional Infrastructure Assessment
- Preliminary Project Specific Construction Plan
- Evaluation of Temporary to Permanent Buildings Conversion
- Site Specific Procurement Plan and Early Vendor Commitments

REDACTED

Levy Units 1 & 2, Phase 1A Extension, Price Finalization Cost Estimate and Schedule Work authorized by the Letter of Intent (LOI) issued September 13, 2007 include initiation of activities related to site specific buildings, systems and components, and studies and evaluations (transportation studies, craft surveys, etc.) to determine the cost impact of the site region on the overall plant cost. Authorization extends to development of Conceptual Design Packages (CDPs), Preliminary Conceptual Design Reports (CDRs) for all Permanent and Temporary Site Specific Systems and Structures, Geotechnical and Environmental initiatives supporting site development, pre-construction planning efforts and activities related to Project Management, Administration, Document Control, QA/QC, Project Controls, Cost Estimating, Procurement and Licensing support for this work. It is expected that a formal Work Authorization (Work Authorization 300968-04) will be issued during early October 2007 to cover the Shaw Stone & Webster (SSW) tasks outlined in Westinghouse and SSW's combined proposal APC/LNG 0007, dated August 31, 2007 and as modified in SSW's revised proposal SSWN-PEF-000045, dated September 24, 2007.

Work Authorization 02 was scheduled to be completed by October 05, 2007. However, in consideration of redirection of priorities to Levy Price Finalization (Work Authorization pending), completion of some Phase 1A deliverables has been delayed to later in the calendar year. Project Change Request 75 will be submitted to include the revised Phase 1A completion schedule. This revised schedule is also included as an attachment to this report. Work Authorization 03 is planned to be completed no later than June 01, 2008. Levy Units 1 & 2, Phase 1A Extension, Price Finalization Cost Estimate and Schedule Work Activities commenced on September 14, 2007 and, pending receipt of formal Work Authorization, will be completed February 14, 2008

Safety

There were no recordable, first aid and lost-time injuries for the 4,771 hours worked during this report period. (This includes all Shaw Stone & Webster personnel supporting the two current Work Authorizations and the LOI activities). Including the completed Work Authorization 01, the project has worked 16,938 cumulative hours with no recordable, first aid and lost-time injuries under Contract No. 300968.

Quality

During this reporting period, the formal Audit Report was issued by Southern Nuclear Operating Company documenting the results of the audit of the Shaw Stone & Webster Charlotte Office Nuclear Project activities. The audit team was comprised of Builders Group Quality Assurance representatives from Southern Nuclear Operating Company, Duke Energy and South Carolina Electric & Gas. The audit was performed for the purpose of expanding the existing approved Shaw Stone & Webster locations on the respective Customer Qualified Suppliers Lists (QSL) to include the Charlotte Office. The audit was conducted utilizing the NUPIC Joint Audit Checklist, Rev. 12 covering applicable aspects of the SSW Quality Assurance Program. The audit determined that quality program measures have been established to meet the applicable criteria identified in 10CFR50 Appendix B. However, implementation of several elements of the program could not be verified due to the absence of safety related work being performed prior to or during the audit. Four recommendations were submitted for SSW consideration with no Audit Findings being identified. The audit team concluded that the Charlotte Office should be added to their QSL's with restrictions that an additional audit/surveillance be performed at the Charlotte Office to verify implementation of the controls for safety related work prior to acceptance of a safety related product from this location. Progress Energy's Builders Group Quality Assurance Representative was present during the Audit Exit and received a detailed briefing of the results from the audit participants. SSW is currently awaiting notification that the Charlotte Office location has been effectively included on the Progress Energy QSL.

Additionally, SSW personnel participated in a Quality Assurance/Project Manager meeting in the Raleigh Office with personnel from Progress Energy and Westinghouse to discuss Project Quality Assurance Program Interface Plan, Site Organization, Corrective Action Program and other related subjects.

There were no corrective action reports issued during this reporting period. QA surveillance activities are currently in progress relative to Design Control and Indoctrination/Training with results to be issued in the next reporting period.

Licensing

- Developed resolution of generic Fire Protection LWA issue.
- Initiated detailed review of construction activities for potential LWA activities.
- Attended NEI/NRC Construction Inspection (CIP) Program meeting 9/25 Washington, DC.
  - Arranged Shaw S&W participation in the three NEI CIP Task Force Subgroups.
  - Provided input/comments to NEI CIP Letter to NRC.
- Provided Shaw Stone & Webster Comments on NEI 06-06 "FFD Program Guidance for New Nuclear Power Plant Construction Sites".
- Began interactions with the Design Centered Working Group on the DCD/Cola Change Control Process.
- Continued participation on NEI New Plant Security Task Force.

Schedule Performance and Analysis

Levy 1 & 2 Phase 1A (Work Authorization 02)

There are a number of activities in the Phase 1A schedule representing receipt and review of COLA material being developed by the JVT and Progress Energy review activities that were not completed as planned. These activities have been re-scheduled to provide additional time to receive this information. Other activities have been delayed as a result of the redirection to support the Price Finalization cost estimate activities.

The revised Phase 1A schedule is attached to this report and depicts project status as of October 05, 2007. The revised schedule reflects Shaw's intent to complete the remaining Phase 1A activities and deliverables as soon as possible by executing them parallel with the Price Finalization Activities. The following current Phase 1A schedule summaries are also attached to this report,

- Client Deliverables
- Client review activities

REDACTED

Levy 1 & 2 Price Finalization (LOI)

Work Activities commenced on September 14, 2007 and, pending receipt of formal Work Authorization, will be completed on February 14, 2008

Major Accomplishments this Report Period

Levy 1 & 2 Phase 1A -Work Authorization 02

Task 1

Procedures

- Initiated resolution of PE comments to the Project Execution Plan (Project Procedure PP 1-1-1 Draft)
- Initiated resolution to PE comments to the Management Plan for Project Quality (Project Procedure PP 4-1-2)

Reports

- Submitted a combined July-August 2007 Status Report and the September 2007 Accrual Report as required

Task 2 and Task 8

- Evaluated impact of Price Finalization priorities on the execution of Phase 1A Task 2 and Task 8 and the Phase 1 cost estimate and Level 2 schedule deliverables and have revised the Phase 1A schedule. Activities on these tasks will resume on October 16, 2007 and will complete on December 18, 2007.
- Initiated development of resource-loaded Level 3 Schedule for Price Finalization.

Task 3

- Resolved PE comments and issued CDP on Power Distribution & Grounding
- Resolved PE comments and issue CDP on Nuclear Security
- Resolved PE comments and issue Security Interface Report
- Completed I&C review of P&IDs for various systems (HVAC, PWS, DRS. RWS. CWS)
- Resolved PE comments and issued revised Site Plot Plan to PE for final review
- Issued draft CDP on Site Permanent and Construction Facilities to PE for review
- Issued Admin / Personnel Access Portal Building conceptual layout drawings

- Resolved PE comments and issued Maintenance Shop conceptual layout drawings
- Issued Warehouse conceptual layout drawings
- Issued Firehouse conceptual layout drawings to PE for review
- Resolved PE comments and issue CDP on HVAC Design for Construction Warehouses

Task 4

- Developed draft BOP Boring Location
- An evaluation of the existing geotechnical data from the COLA contractor has been completed. No new geotechnical information has been placed on the server for evaluation.
- Review COLA Permits List and issued the Construction Permit Matrix to PE for review

Task 5

- Issued the Regional Infrastructure Assessment Report, which includes an evaluation of the railway, highway, barge, medical and fire fighting facilities and utilities, to PE for review.

- **Task 6**

  All task 6 activities have been completed

Task 7

- Processed TDSs for Site Specific equipment to various vendors for budgetary estimates
- Initiated population of Supplier Matrix

Task 9

- Issued Preliminary Construction Plan to PE for review.

Task 10

This Task identifies and provides the requirements and sizing for construction facilities and structures that will part of the permanent facility and capable of meeting Operational requirements.

- Issued the "Integration of Site Construction Facilities into Permanent Plant" to PE for review

CONFIDENTIAL

REDACTED

4-Week Look Ahead

Levy 1 & 2 Phase 1A -Work Authorization 02

Task 1

- Resolve PE comments and issue Project Execution Plan
- Resolve PE comments and issue Management Plan for Project Quality
- Conduct Client Satisfaction Survey

Task 2 and Task 8

- Re-start development of Phase 1 Cost Estimate and Level 2 Schedule
  - NOTE: Restrained by shifting of resources to prepare Price Finalization Schedule and Estimate
- Develop resource-loaded Level 3 Schedule for Price Finalization and issue for PE review

Task 3

- Resolve PE comments and issue Final Site Plot Plan
  - NOTE: Restrained by receipt of comments from Progress Energy
- Resolve PE comments and issue CDP on Site Permanent and Construction Facilities
  - NOTE: Restrained by receipt of comments from Progress Energy
- Resolve PE comments and issue Site Specific Revised Heat Balance
  - NOTE: Restrained by receipt of comments from Progress Energy
- Resolve PE comments and issue Training Center / Simulator conceptual layout drawings
  - NOTE: Restrained by response to RFI on number of simulators and final building location
- Resolve PE comments and issue Firehouse conceptual layout drawings

  - NOTE: Restrained by response to RFI on specific size, functionality, and location

- Resolve PE comments and issue CDP on HVAC Design for Permanent Facilities
  - NOTE: Restrained by receipt of comments from Progress Energy
- Resolve PE comments and issue Fire Loop Design for Construction
  - NOTE: Restrained by receipt of comments from Progress Energy
- Resolve PE comments and issue CDP on PWS for Construction Facilities
  - NOTE: Restrained by receipt of comments from Progress Energy
- Resolve PE comments and issue CDP on PWS for Permanent Facilities
  - NOTE: CDP going to client now but SSW will likely be restrained by receipt of comments from Progress Energy
- Resolve PE comments and issue CDP on Raw Water System
  - NOTE: Restrained by receipt of pertinent COL information from JVT
- Resolve PE comments and issue CDP on Circulating Water System
  - NOTE: Restrained by receipt of pertinent COL information from JVT
- Resolve PE comments and issue CDP on Waste Water System
  - NOTE: Restrained by receipt of pertinent COL information from JVT
- Resolve PE comments and issue CDP on Storm Drain System
  - NOTE: Restrained by receipt of comments from Progress Energy

Task 4

- Resolve PE comments and issue BOP Boring Location Plan
- Issue Draft Geotechnical Conceptual Design Evaluation (CDE)
- Resolve PE comments and issue Construction Permit Matrix
  - NOTE: Restrained by receipt of comments from Progress Energy
- Various Geotech reviews remain incomplete
  - NOTE: Restrained by receipt of pertinent COL information from JVT

Task 5

- Incorporate PE comments on the "Regional Infrastructure Assessment Report" and issue the Final Report.

Task 6 - This task has been completed.

Task 7

- Continue to issue Levy specific TDS's to vendors for budgetary quotes.
- Evaluate Vendor bids
- Complete and issue supplier Matrix

Task 9

- Incorporate PE comments and issue the "Preliminary Site Specific Construction Plan" final report.

Task 10

- Incorporate PE comments and issue the Site Construction Facilities into Permanent Plant final report.

REDACTED

Commercial/Budget Status

Levy 1 & 2 Phase 1A -Work Authorization 02

The Work Authorization value for this scope is Redacted The work authorization value is allocated to the Tasks as shown in the table below along with the budgeted versus actual. Present SSW internal projections show that the work will be completed for less than the budgeted amount.

Project Status Through: September 30, 2007

Project Status Through: **September 30, 2007**

Task ID	Task Description	Planned to Date	Earned to Date	Actual to Date	Schedule Variance	Cost Variance	Budget	Funding Agency Adjustment	Total Authorized	Est. to Complete	Estimate at Completion
		A	B	C	D = B - A	E = B - C	F	G	H = F + G	I	J = C + I
01	**Project Management & Administration**										
	Hours	2,286	2,286	1,456	0	830	2,458		2,458	1,459	2,915
	Dollars $	Redacted									
02	**Scope of Work and WBS**										
	Hours	1,009	910	1,209	(99)	(299)	1,920		1,920	945	2,153
	Dollars $	Redacted									
03	**Preliminary Site Specific Engineering**										
	Hours	4,546	4,039	5,416	(507)	(1,377)	5,360		5,360	0	5,416
	Dollars $	Redacted									
04	**AP1000 Envelope / Geotech Evaluation**										
	Hours	1,157	664	590	(493)	75	1,200		1,200	498	1,087
	Dollars $	Redacted									
05	**Regional Infrastructure Part 1**										
	Hours	1,314	1,277	766	(37)	511	1,360		1,360	594	1,360
	Dollars $	Redacted									
06	**Site Specific Procurement Plan Part 1**										
	Hours	450	450	27	0	423	450		450	113	140
	Dollars $	Redacted									
07	**Early Procurement/Vendor Commitments**										
	Hours	355	344	78	(11)	267	400		400	100	177
	Dollars $	Redacted									
08	**Preliminary Site Specific Schedule**										
	Hours	2,139	361	169	(1,778)	193	2,240		2,240	2,072	2,240
	Dollars $	Redacted									
09	**Prelim Project Specific Construction Plan**										
	Hours	1,641	1,698	1,263	57	435	2,100		2,100	837	2,100
	Dollars $	Redacted									
10	**Temporary Facilities / Permanent Conversion**										
	Hours	654	624	546	(30)	79	640		640	95	640
	Dollars $	Redacted									
12	**Travel Expenses**										
	Dollars $	Redacted									
Total	Hours	15,551	12,653	11,518	(2,898)	1,136	18,128	0	18,128	6,711	18,228
	Dollars $	Redacted									

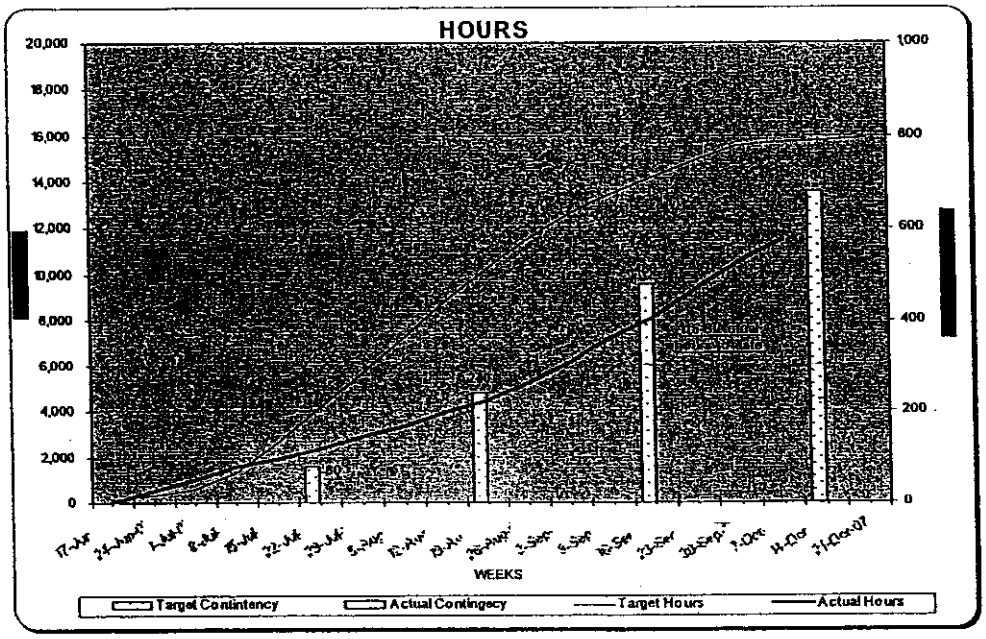
Non-billable hours are excluded.

CONFIDENTIAL

Performance Graphs:

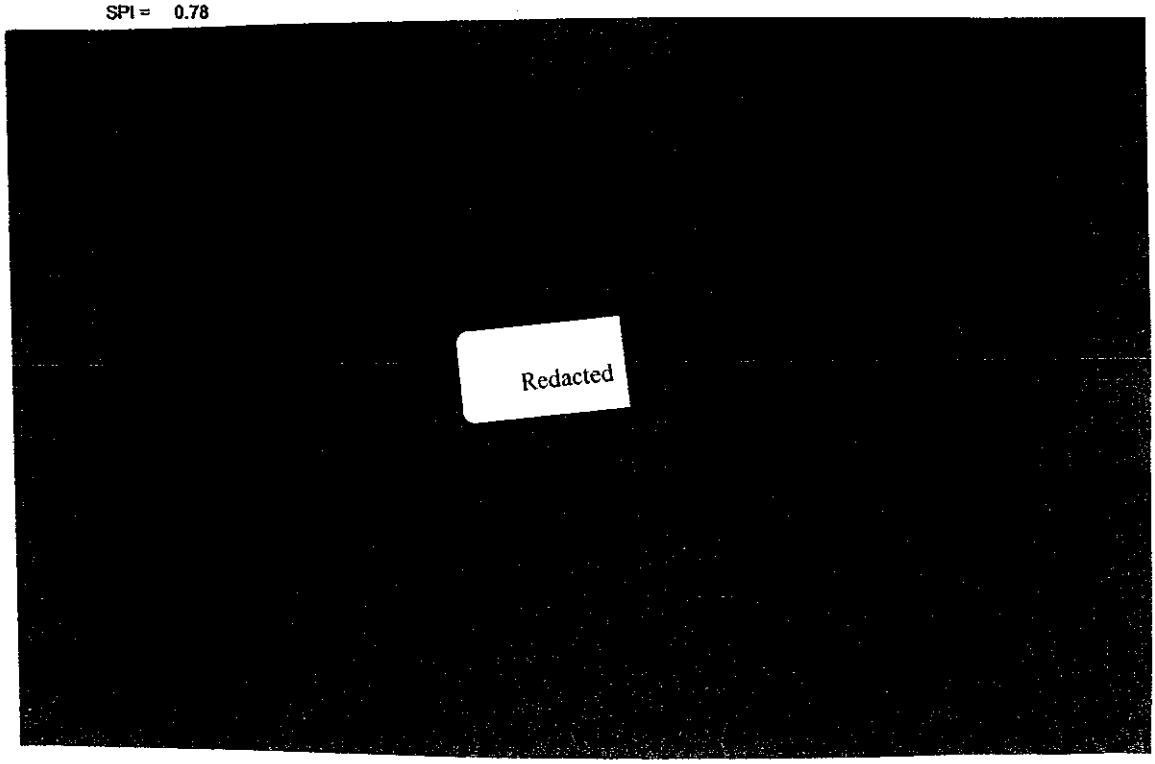
CPI = 1.10

SPI = 0.81



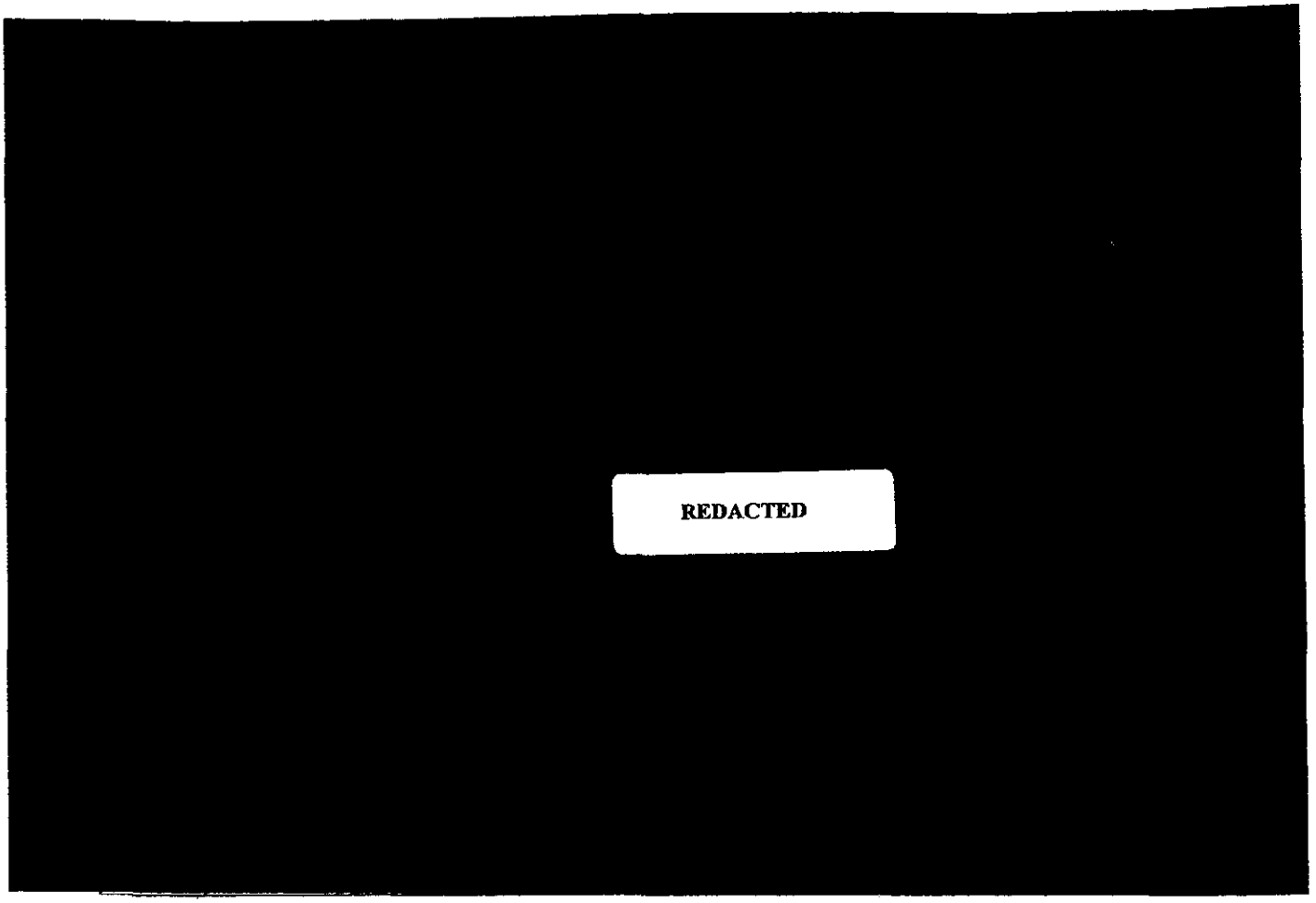
CPI = 1.29

SPI = 0.78



CONFIDENTIAL

October 10, 2007



Non-billable hours are excluded.

Billing Status

As of the date of this report, four (4) invoices were issued on Progress Work Authorization 1 for a total billed amount of Redacted One invoice for Redacted remains unpaid.

Two (2) invoices have been issued on Progress Work Authorization 02 that total Redacted and remain unpaid.

REDACTED

October 10, 2007

CONFIDENTIAL

Areas of Concern

There are a number of activities in the schedule representing receipt and review of COLA material being developed by the JVT. A good portion of this information was restrained by not having a finalized Site Layout. The attached schedule reflects project status as of October 05, 2007. Attached schedule summaries list outstanding JVT/Progress Energy deliverables and review/comments on issued documents requiring attention.

Action Items

There are presently no action items.

Attachments

- Progress Energy Phase 1A Levy 1 & 2 – All Activities – 10-05-07 update
- 10/5/07 – Client Review Activities
- 10/5/07 – Client Deliverables.

REDACTED

CONFIDENTIAL

Progress Energy Phase 1A Levy 1&2
All Activities
10/5/07 update
(19 pages to follow)

18 PAGES

ARE CONFIDENTIAL

Client Deliverables
10/5/07 update
(1 page to follow)

CONFIDENTIAL

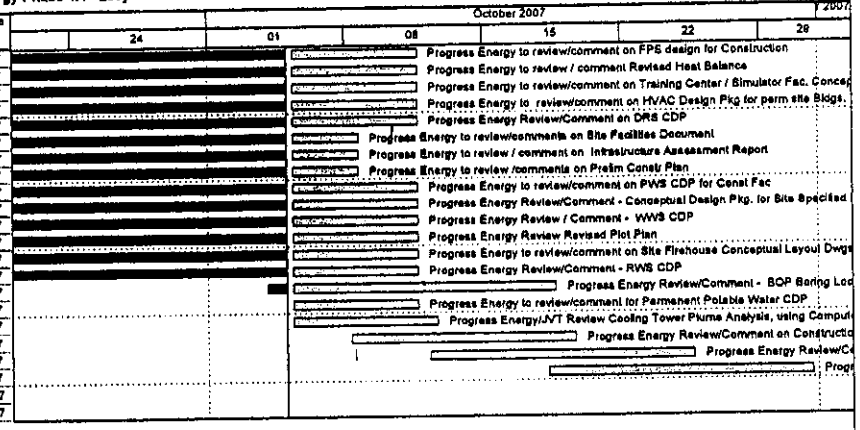
CONFIDENTIAL

Progress Energy Phase 1A - Levy

Page 1 of 1

Data Date: Oct-05-07

Activity ID	Activity Description	Orig Dur	Rem Dur	% Cpt	Start Date	Finish Date
RAT3835	Progress Energy to review/comment on FPS design for Construction	10	5	0%	Aug-23-07 A	Oct-11-07
RAT3695	Progress Energy to review / comment Revised Heat Balance	10	5	0%	Aug-31-07 A	Oct-11-07
RAT3895	Progress Energy to review/comment on Training Center / Simulator Fac. Conceptu...	10	5	40%	Aug-31-07 A	Oct-11-07
RAT3880	Progress Energy to review/comment on HVAC Design Pkg for perm site Bldgs.	10	5	0%	Sep-04-07 A	Oct-11-07
RAT3390	Progress Energy Review/Comment on DRS CDP	5	5	0%	Sep-06-07 A	Oct-11-07
RAT10088	Progress Energy to review/comments on Site Facilities Document	8	2	0%	Sep-13-07 A	Oct-08-07
RAT5075	Progress Energy to review / comment on Infrastructure Assessment Report	10	2	5%	Sep-14-07 A	Oct-08-07
RAT9148	Progress Energy to review /comments on Prelim Constr Plan	8	2	0%	Sep-14-07 A	Oct-08-07
RAT3980	Progress Energy to review/comment on PWS CDP for Const Fac	8	5	0%	Sep-14-07 A	Oct-11-07
RAT3641	Progress Energy Review/Comment - Conceptual Design Pkg. for Site Specified Per...	10	5	0%	Sep-14-07 A	Oct-11-07
RAT3982	Progress Energy Review / Comment - WWS CDP	10	5	0%	Sep-17-07 A	Oct-11-07
RAT3620	Progress Energy Review Revised Plot Plan	8	5	0%	Sep-18-07 A	Oct-11-07
RAT31010	Progress Energy to review/comment on Site Firehouse Conceptual Layout Dwgs	10	5	0%	Sep-20-07 A	Oct-11-07
RAT3778	Progress Energy Review/Comment - RWS CDP	10	5	0%	Sep-21-07 A	Oct-11-07
RAT4042	Progress Energy Review/Comment - BOP Boring Location Plan	10	10	0%	Oct-04-07 A	Oct-18-07
RAT3685	Progress Energy to review/comment for Permanent Potable Water CDP	5	5	0%	Oct-05-07	Oct-11-07
RAT3440	Progress Energy/JVT Review Cooling Tower Plume Analysis, using Computer Prog...	8	8	0%	Oct-05-07*	Oct-12-07
RAT4007	Progress Energy Review/Comment on Construction Permit Matrix	10	10	0%	Oct-08-07*	Oct-19-07
RAT3751	Progress Energy Review/Comment - SDS CDP	10	10	0%	Oct-12-07	Oct-25-07
RAT4046	Progress Energy Review/Comment - Draft CDE for Power Block / Turbine Foundati...	10	10	0%	Oct-16-07	Oct-31-07
RAT1090	Progress Energy Review / Comment - Phase 1 Scope Description	10	10	0%	Nov-06-07	Nov-19-07
RAT5070	Progress Energy to review/ comment on Site specific Phase 1 schedule level 3	10	10	0%	Nov-18-07	Nov-30-07



Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining Work
Milestone
% Complete

PROGRESS ENERGY PHASE 1A

CLIENT REVIEWS

Start Date: Jun-18-07

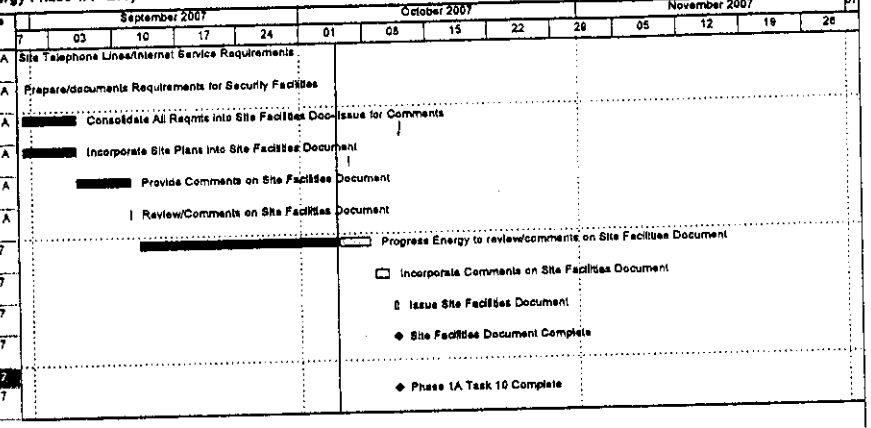
Finish Date: Jan-07-08

CONFIDENTIAL

Progress Energy Phase 1A - Levy

Data Date: Oct-05-07

Activity ID	Activity Description	LEAD	Budgeted Units	Orig Dur	Rem Dur	Start Date	Finish Date
AT10045	Document Site Telephone Lines/Internet Service Requirements	R Whetsel	70.0	5	0	Aug-17-07 A	Aug-23-07 A
AT10030	Prepare/documents Requirements for Security Facilities	R Whetsel	30.0	6	0	Aug-24-07 A	Aug-30-07 A
AT10065	Consolidate All Reqmts into Site Facilities Doc- Issue for Comments	R Whetsel	72.0	5	0	Aug-31-07 A	Sep-06-07 A
AT10070	Incorporate Site Plans into Site Facilities Document	R Whetsel	20.0	5	0	Aug-31-07 A	Sep-06-07 A
AT10075	Provide Comments on Site Facilities Document	R Whetsel	10.0	5	0	Sep-06-07 A	Sep-12-07 A
AT10080	Review/Comments on Site Facilities Document	R Whetsel	10.0	3	0	Sep-12-07 A	Sep-12-07 A
RAT10085	Progress Energy to review/comments on Site Facilities Document	R Whetsel	0.0	8	2	Sep-13-07 A	Oct-08-07
AT10081	Incorporate Comments on Site Facilities Document	R Whetsel	10.0	2	2	Oct-09-07	Oct-10-07
DAT10082	Issue Site Facilities Document	R Whetsel	8.0	1	1	Oct-11-07	Oct-11-07
AT10090	Site Facilities Document Complete	R Whetsel	0.0	0	0		Oct-11-07
Task Finish			0.0	0	0	Oct-11-07	Oct-11-07
AT10089	Phase 1A Task 10 Complete	R Whetsel	0.0	0	0		Oct-11-07



Remaining Level of Effort
Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining Work
Milestone

PROGRESS ENERGY PHASE 1A

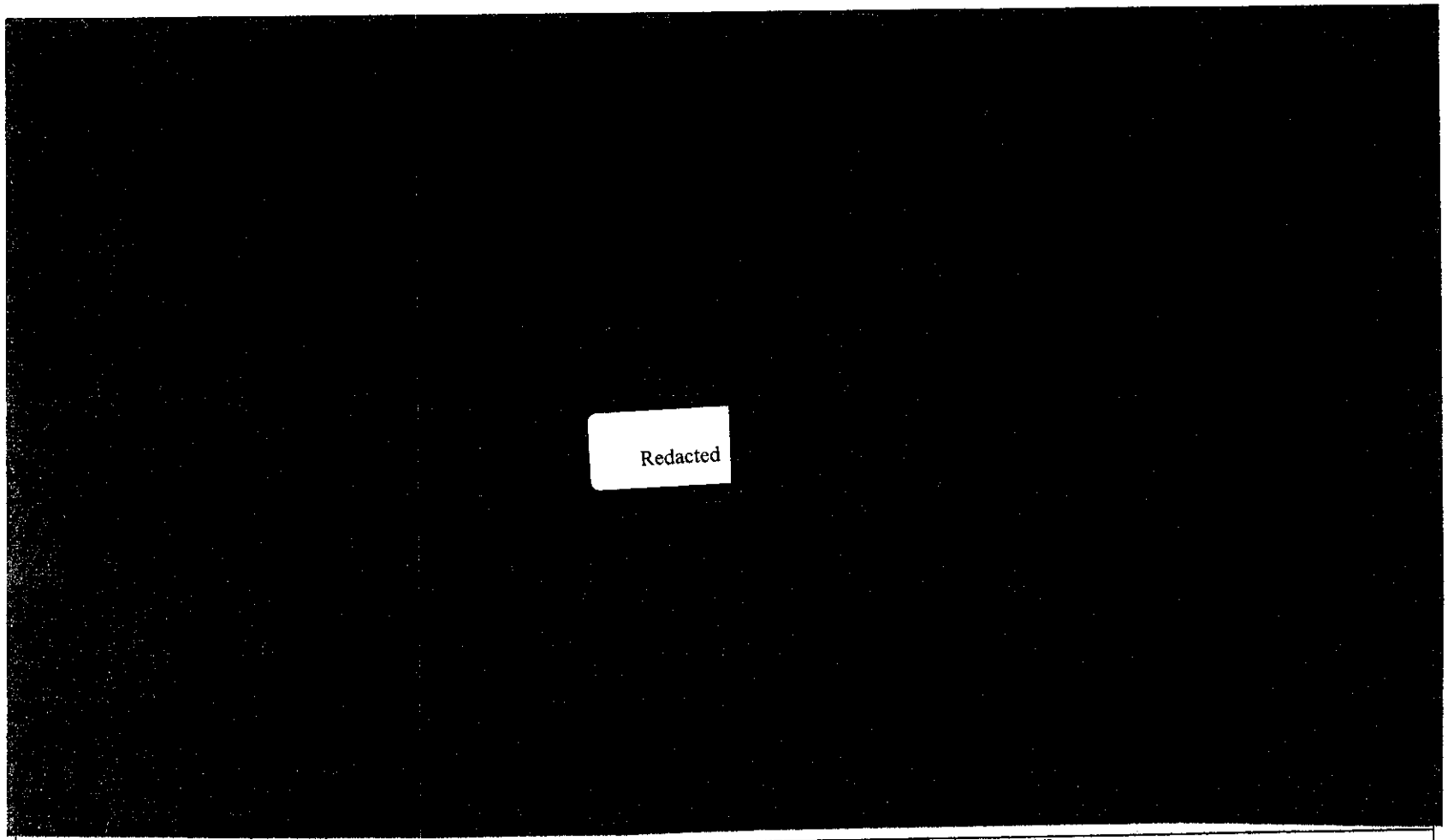
ALL ACTIVITIES

Date	Revision	Checked	Approved
Jun-26-07			

Client Review Activities
10/5/07 update
(1 page to follow)

CONFIDENTIAL

CONFIDENTIAL



Actual Level of Effort Actual Work Remaining Work Critical Remaining Work Milestone % Complete	PROGRESS ENERGY PHASE 1A CLIENT DELIVERABLES - 10/5/07	Start Date: Jun-18-07 Finish Date: Jan-07-08

REDACTED

CONFIDENTIAL

CONFIDENTIAL

AP1000

SHAW STONE & WEBSTER

PROJECT STATUS REPORT

July – August 2007

REPORT No. PEF – R- 000003

PROGRESS ENERGY LEVY 1 & 2 PHASE 1A

And

REDACTED

Shaw® Stone & Webster, Inc.

CONTRACT No. 300968

CONFIDENTIAL

Project Overview

This status report covers authorized work under Contract No. 300968 during the period July 01 – September 02, 2007. During this period, efforts were provided for Work Authorization 300968-02 Levy Units 1 & 2 Phase 1A and REDACTED

Phase 1A (Work Authorization 02) activities planned and in process include:

- Phase 1 Cost Estimate and Schedule (delayed due to redirection of efforts to Price Finalization cost estimate and schedule)
- Conceptual Design Packages for Site Specific Systems (some deliverables affected by missing design input information and redirection of efforts to Price Finalization cost estimate and schedule)
- Geotechnical Studies and Evaluations (some deliverables affected by missing design input information and redirection of efforts to Price Finalization cost estimate and schedule)
- Regional Infrastructure Assessment
- Preliminary Project Specific Construction Plan
- Evaluation of Temporary to Permanent Buildings Conversion
- Site Specific Procurement Plan and Early Vendor Commitments

REDACTED

Safety

There were no recordable, first aid and lost-time injuries for the 7,670 hours worked during this report period. (This includes all Shaw Stone & Webster personnel supporting the two current Work Authorizations). Including the completed Work Authorization 01,

the project has worked 11,954 cumulative hours with no recordable, first aid and lost-time injuries under Contract No. 300968.

Quality

There were no corrective action reports issued during this reporting period.

During the period of July 30 through August 02, 2007, Shaw, Stone & Webster Quality Assurance conducted an audit of Shaw, Stone & Webster Charlotte Office Nuclear Project Activities. The purpose of the audit was to evaluate the implementation and effectiveness of the Shaw, Stone & Webster Quality Assurance Standard Nuclear Quality Assurance Program (SWSQAP 1-74A) as applicable to: Management Plans for Project Quality and Project Procedures; Design Control, including Calculations, Drawings, Specifications, Engineering Service Scopes of Work, and Project Technical Reports; Procurement; Document Control; Quality Assurance Records; Training; Corrective Actions; and Surveillances.

The Audit results indicate that the QA Program is effectively and adequately implemented by the Nuclear Projects in the Charlotte Office, with no significant conditions identified requiring evaluation and action.. However, various observations were made, collectively identifying an apparent lack of attention to detail. Two of these Observations were written against work products issued for the Levy 1& 2 Project, as depicted below. The affected Documents will be corrected and reissued.

- Project Execution Plan, PP-1-1-0, has a cover sheet dated April 30, 2007 yet pages 2 through 36 are dated May 1, 2007. All pages should reflect the same date.

- Report SSWN-12489101-000003, Rev. 0 is approved by the Project Manager. Considering the technical nature of this report, it requires approval by the Project Engineer. This report has also page numbering errors and different report numbers on the cover than it has internally.

Schedule Performance and Analysis

There are a number of activities in the schedule representing receipt and review of COLA material being developed by the JVT. A good portion of this information was restrained by not having a finalized Site Layout. Until now, we have been sliding the end date by one week, every week in hopes of receiving this information, without delaying the schedule.

The attached schedule reflects project status as of September 14, 2007. This update reflects a delay of 13 days pass the original Phase 1A end date of October 5, 2007. The following current schedule summaries are also attached to this report,

- Client Deliverables
- Client review activities

Please note that some of the remaining Phase 1A activities will be further delayed as a result of the redirection to support the Price Finalization cost estimate activities. It is our intent to continue to execute Phase 1A activities and deliverables in parallel with the Price Finalization activities. The schedule impact on Phase 1A will be documented as a scope change.

Major Accomplishments this Report Period

Levy 1 & 2 Phase 1A -Work Authorization 02

Task 1

Procedures

- Project Execution Plan was prepared and submitted for client review
- Management Plan for Project Quality was prepared and submitted for review
- Phase I Procedures have been defined.

Reports

- Submitted June Status Report and July and August Accrual Reports as required
  - NOTE: Failed to issue July Status Report due to transition between Project Managers

Task 2

- Efforts initiated for Phase 1 cost estimate development;. Efforts suspended and redirected to Price Finalization cost estimate development supporting submittal of Price Finalization plan to Progress. September Report will include revised schedule details to complete this deliverable.

Task 3

Procedures

- Conceptual Design Package procedure was prepared and submitted for client review
- Phase 1A Project Manual was prepared, submitted for client review and issued

Engineering Activities

- Reviewed PEPSE Heat Balance Diagrams and provided design input
- CDP for HVAC Design for Construction & Permanent Facilities was prepared and submitted for client review
- Updated Cooling Tower Performance and CWS Flow Rate conceptual design based on latest Westinghouse DCD information

- Supported Cooling Tower location and configuration evaluation with Progress Energy and the JVT
- Supported Site Development to determine site features (roads, railroads, permanent buildings, construction facilities, barge slip, barge unloading facilities, general site layout)
- Preliminary design of railroad and extension to support construction of site boundary
- Prepared Admin / Personnel Access Portal Building conceptual layout drawings
- Site Access Roads finalized
- Processed RFIs to obtain critical building characteristics from Progress Energy
- Issued Technical Data Sheets to Procurement for CWS Pumps, Cooling Towers, Large Butterfly Valves for CW, CW Underground Pipe.

Task 4

- An evaluation of the existing geotechnical data from the COLA contractor has been completed. No new geotechnical information has been placed on the Server for evaluation.
- Review COLA Permits List and Started preparation of Construction Permit Matrix

Task 5

- A draft report of the Regional Infrastructure Assessment, which includes an evaluation of the railway, highway, barge, medical & fire fighting facilities and utilities has been prepared and is in internal review. A site visit by SSW personnel, in support of the infrastructure assessment, was also undertaken during this reporting period

Task 6

All task 6 activities have been completed and deliverables issued as follows:

- Prepared and issued Standard Procurement Template and required documents
- Prepared and issued The Site Specific Procurement Report

Task 7

- Prepared Plan for Budgetary Quotes Process
- Prepared and issued Phase I Bidders List
- Developed and issued Critical Equipment List
- Prepared and issued Procurement Plan

Task 8

- Efforts initiated for Phase 1 schedule development;. Efforts suspended and redirected to Price Finalization cost estimate development supporting submittal of Price Finalization plan to Progress. September Report will include revised schedule details to complete this Task

Task 9

- Established Crane Pad Data and Heavy Haul Routes – Delivery to Layout
- Established Module Assembly Area Layout requirements
- Prepared Preliminary Site Waterproofing/Dewatering Plan
- Defined Utility Corridors
- Established Temporary Power Requirements and Distribution
- Defined Material Laydown Yard and Located Spoils Area
- Defined requirements for Construction Offices, Time Alley/Brass Houses, Craft Change Facilities, Temporary Toilets, Safety Facilities, Tool Rooms.
- Defined requirements and Location of Construction Fire Protection System
- Defined and located Equipment Maintenance Facilities
- Defined requirements for Fabrication Shops and Rigging Loft.
- Defined and Located Construction Security Features.
- Evaluated Site Excavation requirements
- Defined Bulk Service Gas facilities
- Updated Plot Plan, as required
- Issued Preliminary Construction Plan for internal review.

Task 10

This Task identifies and provides the requirements and sizing for construction facilities and structures that will part of the permanent facility and capable of meeting Operational requirements.

- Prepared and issued for internal review "Integration of Site Construction Facilities into Permanent Plant.

CONFIDENTIAL

REDACTED

4-Week Look Ahead

Levy 1 & 2 Phase 1A -Work Authorization 02

Task 1

- Resolve PE comments and issue Project Execution Plan
- Resolve PE comments and issue Management Plan for Project Quality
- Conduct Client Satisfaction Survey

Task 2 and Task 8

- Re-start development of Phase 1 Cost Estimate and Level 2 Schedule
  - NOTE: Restrained by shifting of resources to prepare Price Finalization Schedule and Estimate
- Develop resource-loaded Level 3 Schedule for Price Finalization and issue for PE review

Task 3

- Resolve PE comments and issue CDP on Power Distribution & Grounding
  - NOTE: Restrained by receipt of comments from Progress Energy
- Resolve PE comments and issue CDP on Nuclear Security
  - NOTE: Restrained by receipt of pertinent COL information from JVT
- Resolve PE comments and issue Security Interface Report
  - NOTE: Restrained by receipt of comments from Progress Energy
- Complete I&C review of P&IDs for various systems (HVAC, PWS, DRS. RWS. CWS)
- Resolve PE comments and issue Site Plot Plan
  - NOTE: Restrained by receipt of comments from Progress Energy
- Resolve PE comments and issue CDP on Site Permanent Facilities
  - NOTE: Restrained by receipt of comments from Progress Energy
- Resolve PE comments and issue CDP on Site Construction Facilities
  - NOTE: Restrained by receipt of comments from Progress Energy
- Resolve PE comments and issue Site Specific Revised Heat Balance
  - NOTE: Restrained by receipt of comments from Progress Energy
- Issue Admin / Personnel Access Portal Building conceptual layout drawings

- NOTE: No comment per Jim Nevill, Progress Energy

- Resolve PE comments and issue Maintenance Shop conceptual layout drawings
  - NOTE: Expect to receive formal comments 9/17 from Jim Nevill
- Resolve PE comments and issue Training Center / Simulator conceptual layout drawings
  - NOTE: Restrained by response to RFI on # of simulators and final building location
- Issue Warehouse conceptual layout drawings
  - NOTE: No comment per Jim Nevill, Progress Energy
- Resolve PE comments and issue Firehouse conceptual layout drawings
  - NOTE: Restrained by response to RFI on specific size, functionality, and location
- Resolve PE comments and issue CDP on HVAC Design for Construction Warehouses
  - NOTE: Restrained by receipt of comments from Progress Energy
- Resolve PE comments and issue CDP on HVAC Design for Permanent Facilities
  - NOTE: Restrained by receipt of comments from Progress Energy
- Resolve PE comments and issue Fire Loop Design for Construction
  - NOTE: Restrained by receipt of comments from Progress Energy
- Resolve PE comments and issue CDP on PWS for Construction Facilities
  - NOTE: Restrained by receipt of comments from Progress Energy
- Resolve PE comments and issue CDP on PWS for Permanent Facilities
  - NOTE: CDP going to client now but we will likely be restrained by receipt of comments from Progress Energy
- Resolve PE comments and issue CDP on Raw Water System
  - NOTE: Restrained by receipt of pertinent COL information from JVT
- Resolve PE comments and issue CDP on Circulating Water System
  - NOTE: Restrained by receipt of pertinent COL information from JVT
- Resolve PE comments and issue CDP on Waste Water System
  - NOTE: Restrained by receipt of pertinent COL information from JVT
- Resolve PE comments and issue CDP on Storm Drain System
  - NOTE: Restrained by receipt of comments from Progress Energy

Task 4

- Issue Boring Location Plan
- Issue Draft Geotechnical Conceptual Design Evaluation (CDE)
- Resolve PE comments and issue Construction Permit Matrix
  - NOTE: Restrained by receipt of comments from Progress Energy
- Various Geotech reviews remain incomplete
  - NOTE: Restrained by receipt of pertinent COL information from JVT

Task 5

- Issue for Progress Energy review the "Regional Infrastructure Assessment Report"
- Incorporate comments and issue the Final Report.

Task 6 - This task has been completed.

Task 7

- Issue Levy specific TDS's to vendors for budgetary quotes.
- Evaluate Vendor bids
- Populate and issue supplier Matrix

Task 9

- Issue "Preliminary Site Specific Construction Plan" report for Progress Energy review.
- Incorporate comments and issue final report.

Task 10

- Issue "Integration of Site Construction Facilities into Permanent Plant" report to Progress Energy for review.
- Incorporate comments and issue final report.

REDACTED

Commercial/Budget Status

Levy 1 & 2 Phase 1A -Work Authorization 02

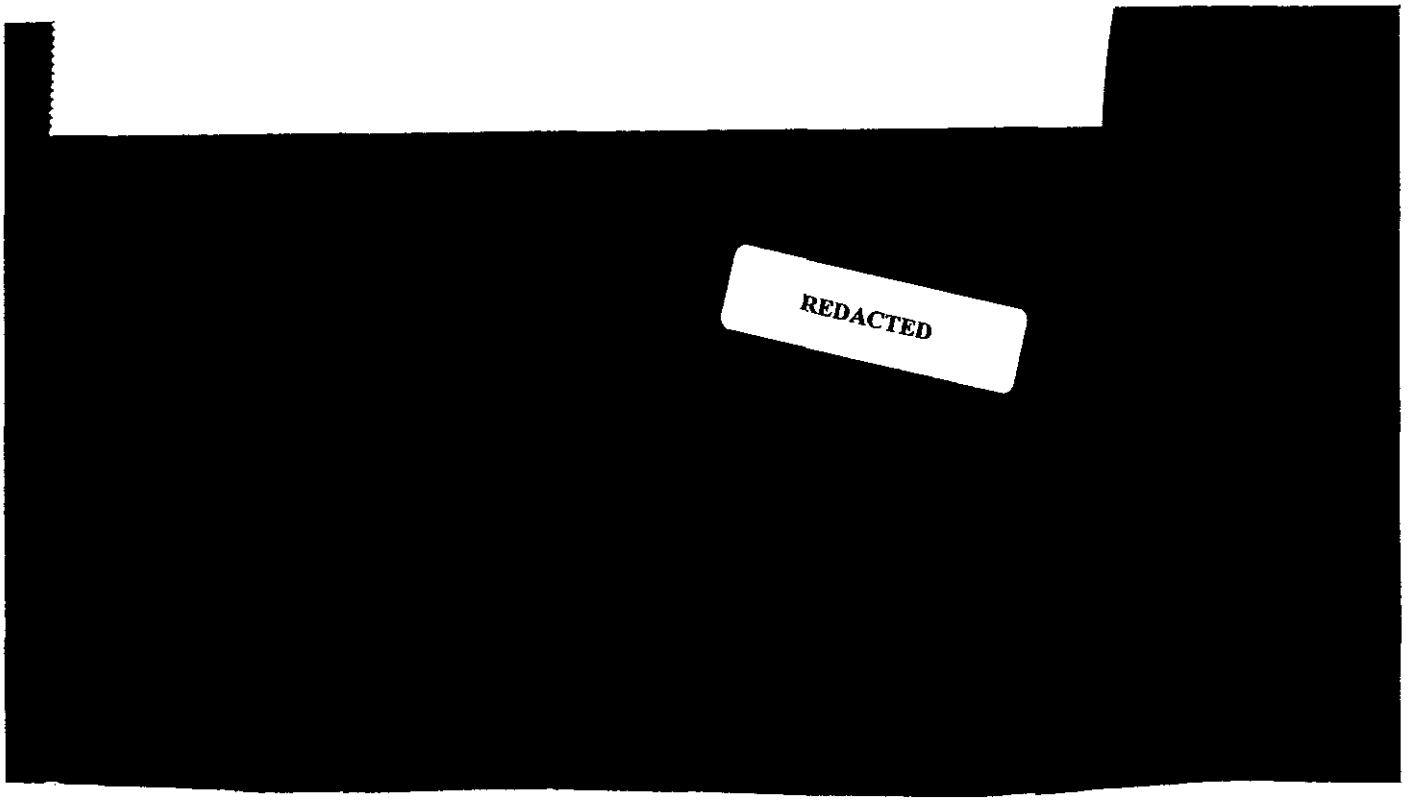
The Work Authorization value for this scope is Redacted The work authorization value is allocated to the Tasks as shown in the table below along with the budgeted versus actual. Present SSW internal projections show that the work will be completed for less than the budgeted amount.

CONFIDENTIAL

Project Status Through: September 2, 2007

		A	B	C	D = B - A	E = B - C	F	G	H	I	J = C + I
01	Project Management & Administration										
	Hours	1,702	1,539	848	(163)	692	2,458		2,458	1,536	2,383
	Dollars $	Redacted									
02	Scope of Work and WBS										
	Hours	1,489	654	888	(835)	(234)	1,920		1,920	1,233	2,121
	Dollars $	Redacted									
03	Preliminary Site Specific Engineering										
	Hours	4,669	2,706	3,106	(1,963)	(400)	5,262		5,262	1,846	4,952
	Dollars $	Redacted									
04	AP1000 Envelope / Geotech Evaluation										
	Hours	1,009	485	393	(524)	92	1,200		1,200	820	1,213
	Dollars $	Redacted									
05	Regional Infrastructure Part 1										
	Hours	1,290	1,036	718	(254)	318	1,360		1,360	978	1,696
	Dollars $	Redacted									
06	Site Specific Procurement Plan Part 1										
	Hours	367	440	23	73	417	450		450	380	403
	Dollars $	Redacted									
07	Early Procurement/Vendor Commitments										
	Hours	368	279	36	(89)	244	400		400	357	392
	Dollars $	Redacted									
08	Preliminary Site Specific Schedule										
	Hours	1,902	272	137	(1,630)	136	2,240		2,240	2,303	2,439
	Dollars $	Redacted									
09	Prelim Project Specific Construction Plan										
	Hours	1,397	1,500	643	103	857	2,100		2,100	1,457	2,100
	Dollars $	Redacted									
10	Temporary Facilities / Permanent Conversion										
	Hours	636	515	491	(121)	25	640		640	364	854
	Dollars $	Redacted									
12	Travel Expenses										
	Dollars $	Redacted									
Total	Hours	14,829	9,426	7,281	(6,403)	2,145	18,030	0	18,030	11,272	18,553
	Dollars $	Redacted									

[1] CONFIDENTIAL



Billing Status

No invoices have been submitted for either Work Authorization as of the report date.

Charges incurred to Work Authorization 01 that should have been to Work Authorization 02 have been discussed with Progress. As soon as adjustments are made, the last invoice for Work Authorization 01 and the first invoice for Work Authorization 02 will be submitted.

Billing status will be provided to Progress in conjunction with the reporting of monthly accruals at the close of each month.

Areas of Concern

There are a number of activities in the schedule representing receipt and review of COLA material being developed by the JVT. A good portion of this information was restrained by not having a finalized Site Layout. The attached schedule reflects project status as of

September 14, 2007. This update reflects a delay of 13 days pass the original Phase 1A end date of October 5, 2007. Attached schedule summaries list outstanding JVT/Progress Energy deliverables and review/comments on issued documents requiring attention.

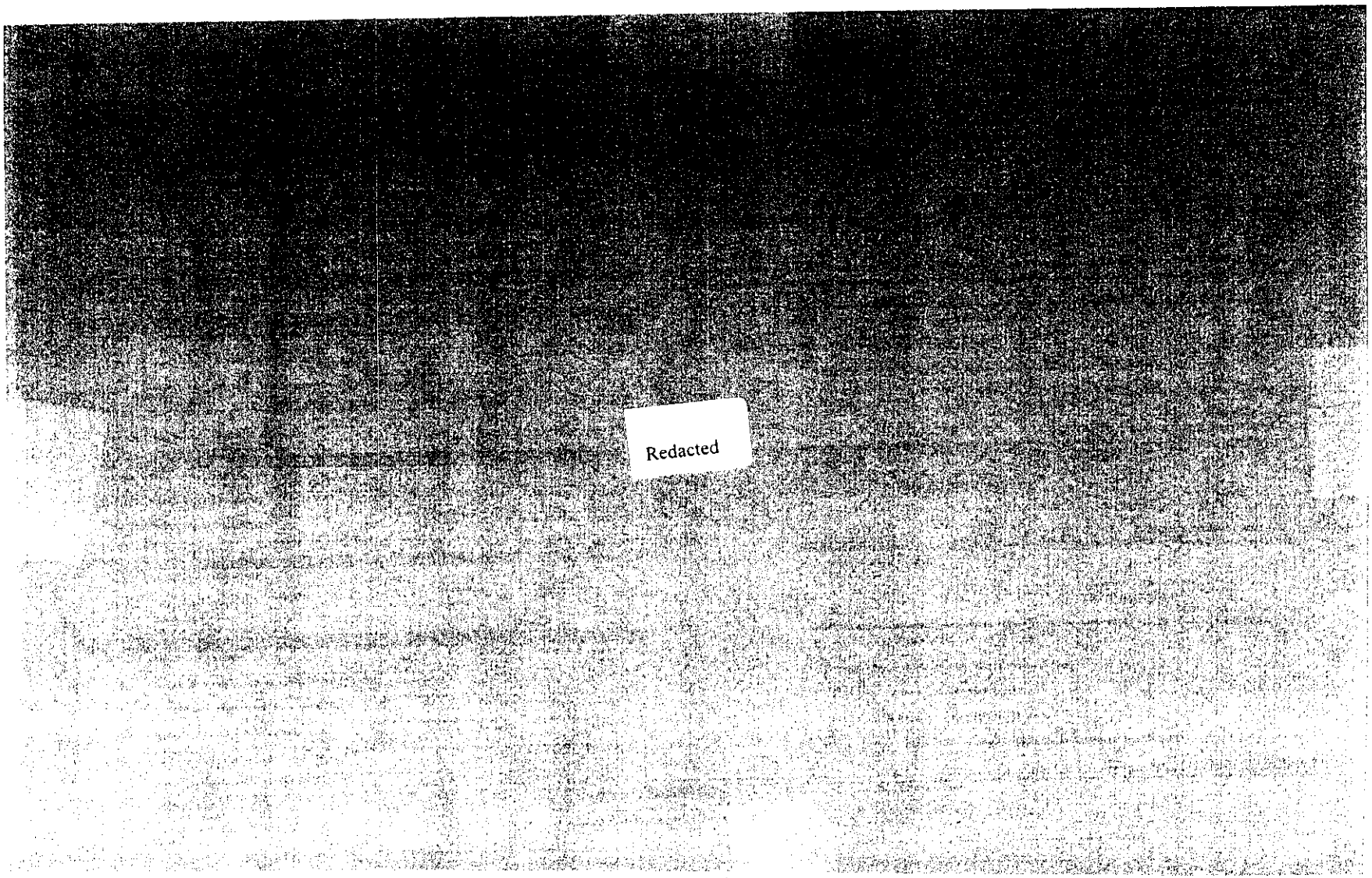
Action Items

There are presently no action items.

Attachments

- Progress Energy Phase 1A Levy 1 & 2 – All Activities – 9-14-07 update
- 9-14-07 – Client Review Activities
- 9-14-07 – Client Deliverables

REDACTED



CONFIDENTIAL

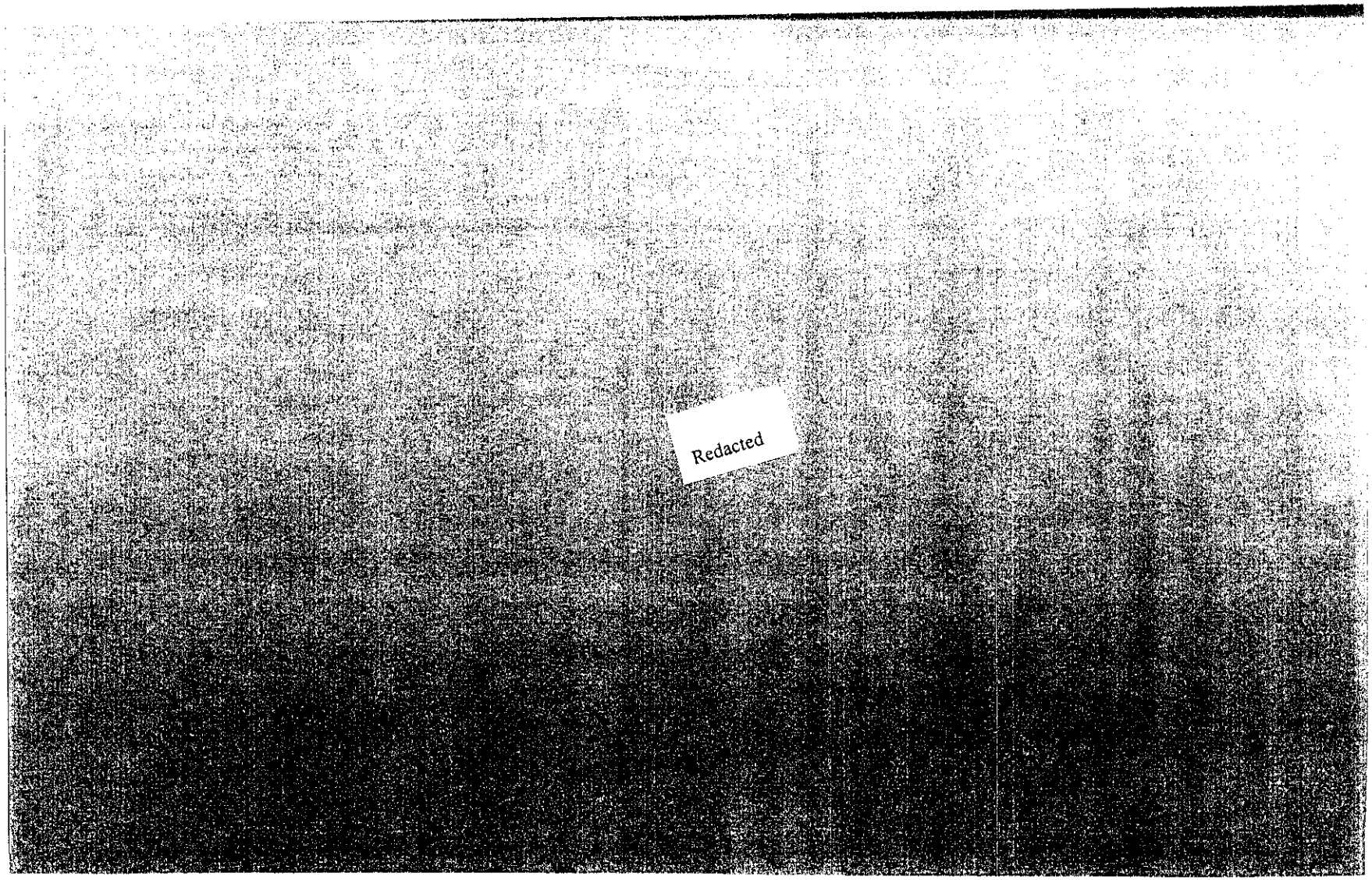
CONFIDENTIAL

Progress Energy Phase 1A Levy 1 & 2 – All Activities – 9-14-07 update
(16 pages to follow)

CONFIDENTIAL

14 PAGES

CONFIDENTIAL


Redacted

CONFIDENTIAL

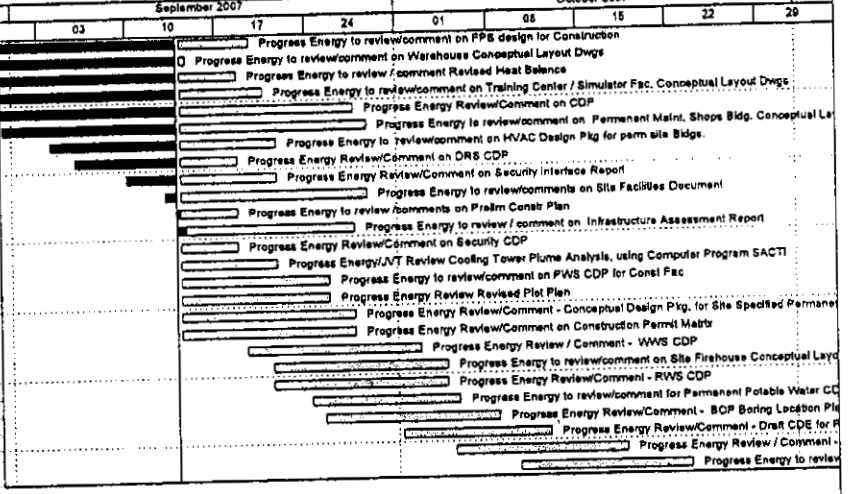
9-14-07 – Client Review Activities
(1 page to follow)

CONFIDENTIAL

Progress Energy Phase 1A - Levy

Date Date: Sep-14-07

Activity ID	Activity Description	Orig Dur	Rem Dur	% Cpl	Start Date	Finish Date
RAT3835	Progress Energy to review/comment on FPS design for Construction	10	4	0%	Aug-23-07 A	Sep-19-07
RAT3985	Progress Energy to review/comment on Warehouse Conceptual Layout Dwgs	10	1	10%	Aug-31-07 A	Sep-14-07
RAT3695	Progress Energy to review / comment Revised Heat Balance	10	3	70%	Aug-31-07 A	Sep-18-07
RAT3895	Progress Energy to review/comment on Training Center / Simulator Fac. Conceptu...	10	5	40%	Aug-31-07 A	Sep-20-07
RAT3305	Progress Energy Review/Comment on CDP	10	10	0%	Aug-31-07 A	Sep-27-07
RAT3775	Progress Energy to review/comment on Permanent Maint. Shops Bldg. Conceptua...	10	11	15%	Aug-31-07 A	Sep-28-07
RAT3890	Progress Energy to review/comment on HVAC Design Pkg for perm site Bldgs.	10	6	0%	Sep-04-07 A	Sep-21-07
RAT3390	Progress Energy Review/Comment on DRS CDP	5	3	0%	Sep-06-07 A	Sep-18-07
RAT3355	Progress Energy Review/Comment on Security Interface Report	10	6	0%	Sep-10-07 A	Sep-21-07
RAT10085	Progress Energy to review/comments on Site Facilities Document	8	11	0%	Sep-13-07 A	Sep-28-07
RAT9155	Progress Energy to review /comments on Prelim Constr Plan	5	3	0%	Sep-14-07 A	Sep-18-07
RAT5075	Progress Energy to review / comment on Infrastructure Assessment Report	10	10	5%	Sep-14-07 A	Sep-27-07
RAT3345	Progress Energy Review/Comment on Security CDP	3	3	0%	Sep-14-07	Sep-18-07
RAT3440	Progress Energy/JVT Review Cooling Tower Plume Analysis, using Computer Prog...	6	6	0%	Sep-14-07*	Sep-21-07
RAT3980	Progress Energy to review/comment on PWS CDP for Const Fac	8	8	0%	Sep-14-07	Sep-25-07
RAT3620	Progress Energy Review Revised Plot Plan	8	8	0%	Sep-14-07	Sep-25-07
RAT3641	Progress Energy Review/Comment - Conceptual Design Pkg. for Site Specified Pe...	10	10	0%	Sep-14-07	Sep-27-07
RAT4007	Progress Energy Review/Comment on Construction Permit Matrix	10	10	0%	Sep-14-07	Sep-27-07
RAT3962	Progress Energy Review / Comment - WWS CDP	10	10	0%	Sep-19-07	Oct-02-07
RAT3101D	Progress Energy to review/comment on Site Firehouse Conceptual Layout Dwgs	10	10	0%	Sep-21-07	Oct-04-07
RAT3778	Progress Energy Review/Comment - RWS CDP	10	10	0%	Sep-21-07	Oct-04-07
RAT3865	Progress Energy to review/comment for Permanent Potable Water CDP	10	10	0%	Sep-24-07	Oct-05-07
RAT4042	Progress Energy Review/Comment - BOP Boring Location Plan	10	10	0%	Sep-25-07	Oct-08-07
RAT4046	Progress Energy Review/Comment - Draft CDE for Power Block / Turbine Foundati...	10	10	0%	Oct-01-07	Oct-12-07
RAT1090	Progress Energy Review / Comment - Phase 1 Scope Description	10	10	0%	Oct-05-07	Oct-18-07
RAT8070	Progress Energy to review/ comment on Site specific Phase 1 schedule level 3	10	10	0%	Oct-10-07	Oct-23-07



Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining Work
Milestone
% Complete

PROGRESS ENERGY PHASE 1A

CLIENT REVIEWS - 9/04/07

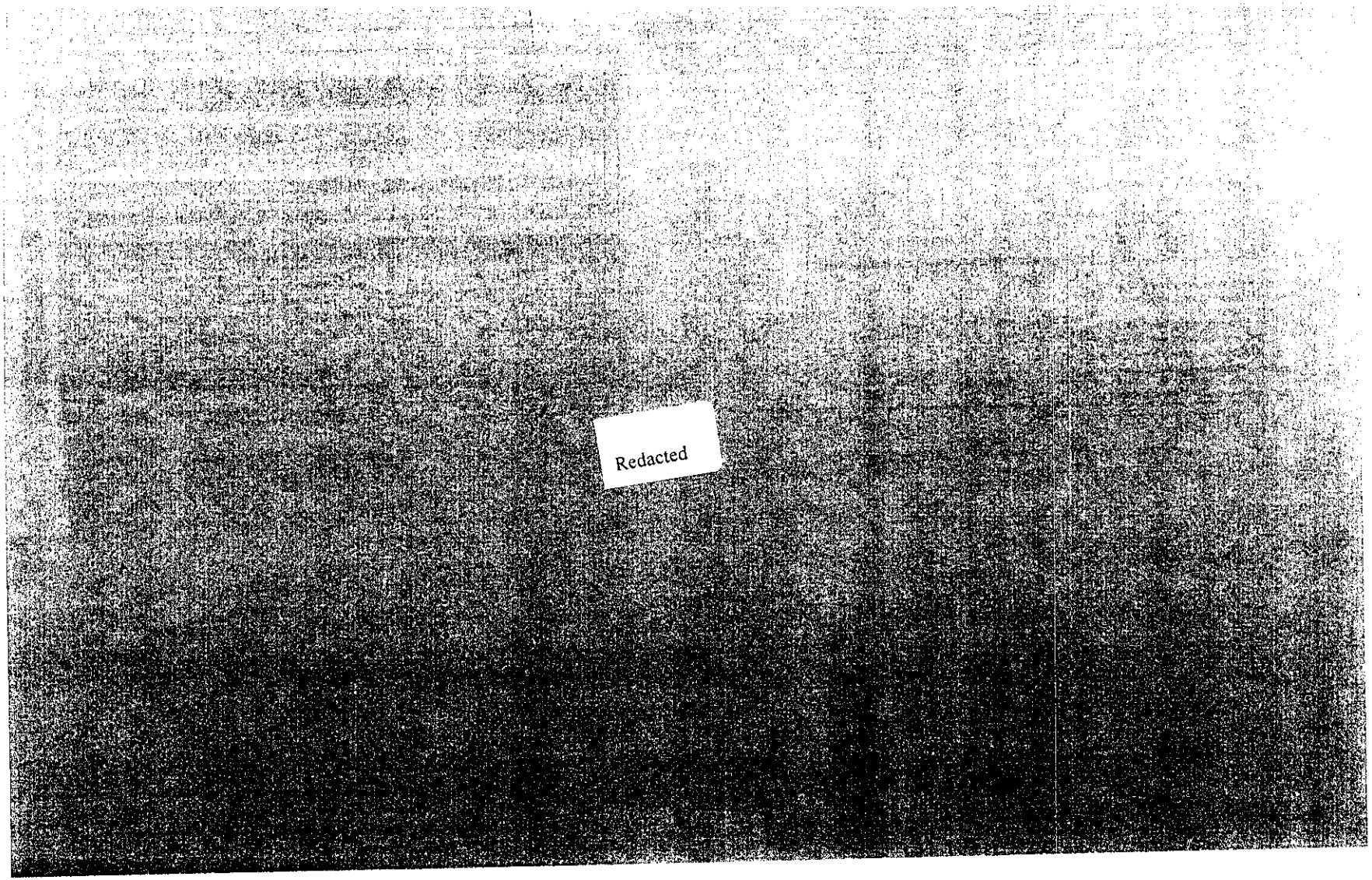
Start Date: Jun-18-07

Finish Date: Nov-16-07

CONFIDENTIAL

9-14-07 – Client Deliverables
(1 page to follow)

CONFIDENTIAL



CONFIDENTIAL

REDACTED

CONFIDENTIAL

Shaw® Stone & Webster, Inc.

PROJECT STATUS REPORT

JANUARY 2008

REPORT No. PEF – R- 000008

PROGRESS ENERGY LEVY 1 & 2 PHASE 1A

PROGRESS ENERGY LEVY 1 & 2 PRICE FINALIZATION

REDACTED

CONTRACT No. 300968

FEBRUARY 12, 2008

Progress Energy

AP1000

Project Overview

This status report covers Progress Energy's (PE) authorized work under Contract No. 300968 from January 2 to January 27, 2008. During this period, efforts were provided for Work Authorization 300968-02 Levy Units 1 & 2 Phase 1A, including SSW early permitting support associated with required "pre-construction" activities, , and Work Authorization 300968-04 Levy Units 1 & 2, Phase 1A Extension, Price Finalization Cost Estimate and Schedule Work Activities.

Levy Units 1 & 2, Phase 1A (Work Authorization 02) activities planned and in process are included below. Due to re-direction of efforts and resources to Price Finalization efforts, the schedule for these activities was *extended beyond the original October 5, 2007 completion date. Further schedule extension is anticipated to* capture added work scope related to SSW early permitting support associated with required "pre-construction" activities and LNP COLA Constructability Reviews and Owner/Technical Reviews.

- Phase 1 Cost Estimate and Schedule.
- Revise Conceptual Design Packages for Site Specific Systems to incorporate final PE comments.
- Revise Conceptual Design Packages and/or Conceptual Design Sketches for Site Specific Facilities to incorporate final PE comments.
- Geotechnical Studies and Evaluations.
- Early Permitting Support associated with required "pre-construction" activities. .On November 8, 2007 Progress Energy issued Letter of Intent (LOI) No. NPD-SSW-2007 -- 044 to SSW authorizing start of SSW support activities associated with Levy Nuclear Plant Early Permitting. These activities are specifically to support Early Permitting of the Barge Slip, Heavy Haul Road and Bridge, Pipeline Corridor, Site Access Roads, Railway Spur, and Transmission Corridor.
- Preparation of Scope Descriptions, Estimates and Impact Assessments for added work scope related to SSW Early Permitting support and LNP COLA Constructability Reviews and Owner/Technical Reviews.

REDACTED

Levy Units 1 & 2, Phase 1A Extension, Price Finalization (Work Authorization 04) consists of activities related to site specific buildings, systems and components, and studies and evaluations (transportation studies, craft surveys, etc.) to determine the cost impact of the site region on the overall plant cost. Authorization extends to development of Conceptual Design Packages (CDPs), Preliminary Conceptual Design Reports (CDRs) for all Permanent and Temporary Site Specific Systems and Structures, Geotechnical and Environmental initiatives supporting site development, pre-construction planning efforts and activities related to Project Management, Administration, Document Control, QA/QC, Project Controls, Cost Estimating, Procurement and Licensing support for this work.

Levy Units 1 & 2, Phase 1A Extension, Price Finalization Cost Estimate and Schedule Work Activities commenced on September 14, 2007 and will be completed February 14, 2008.

Safety

There were no first aid and lost-time injuries for the 8,695 hours worked during this report period. (This includes all Shaw Stone & Webster personnel supporting the three current Work Authorizations and LOI). Except for one recordable injury (reported in the October Monthly Report), including the completed Work Authorization 01, the project has worked 45,980 cumulative hours with no other recordable, first aid and lost-time injuries under Contract No. 300968.

CONFIDENTIAL

Quality

There were no new QA Audits and QA surveillances of project activities during this reporting period. QA support, however, continues with review of audit observations responses and closure.

QA support also provided support during the preparation and issuance of the Project Training Matrix and draft revisions to Project MPPQP and other Project Procedures to include impact of additional work scope activities authorized by PE.

Licensing

REDACTED

Levy Nuclear Plant COLA Constructability and Owner's Acceptance Reviews

- Levy COLA Constructability reviews were completed for ER Chapter1 and FSAR Chapter 2.5.1.
- Initiated COLA Constructability review of ER Chapter 3.

Other Licensing Activities

- Participated in NEI Construction Inspection Program Task Force meeting on 01/08/08.
- Participated in NEI Construction Inspection Program Corrective Action Program Subgroup meetings on 01/9-10/08.
- Participated in NEI Construction Inspection Program Task Force ITAAC Closure Subgroup conference call on 01/18/08.
- Participated in Design Centered Working Group meeting with NRC on 01/30/08.
- Participated in NRC/NEI Construction Inspection Program meeting on 01/31/08.
- Monitored NEI New Plants Security Task Force activities.
- Provided comments and proposed changes to NRC Inspection Manual Chapter 0614 - "Documenting 10CFR52 Construction Audit Activities".
- Processed and distributed Regulatory and Industry information for potential impact on the project.
- Presented to NUSTART utility working group SSW paper on "Regulatory Considerations for Liquid Radwaste Discharge Piping Design" and led a discussion about the subject.
- Developed training modules for project staff on the NRC Licensing process.
- Continued development of ITAAC responsibility matrix for those items relating to SSW design considerations.

Performance and Analysis

Levy 1 & 2 Phase 1A (Work Authorization 02)

Activities associated with Tasks 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10 have been completed in November and these Tasks have been closed. Task 12, Travel Expenses, will remain open pending receipt of outstanding expense

reports. This completes all the original Phase 1A scope activities. Completion of this work was accomplished significantly under the authorized budget. Please refer to **Commercial/Budget Status** section below for details.

Work Authorization 02, however, will remain open to include the following:

- Task 11 – LNP COLA Constructability Reviews and Owner/Technical Reviews..

- Task 13 – Early Permitting Support. A cost and schedule impact evaluation of this task on Work Authorization 02 has been completed and has been submitted to PE for approval. Work on this Task is in process in accordance with Progress Energy LOI No. NPD-SSW-2007 – 044. A further scope and schedule extension will be submitted to reflect planned project activities beyond January 31, 2008

REDACTED

Major Accomplishments this Report Period

Levy 1 & 2 Phase 1A – Work Authorization 02

Tasks 1, 3, 5, 6, 7 and 10

- These Tasks were completed in November and are closed.

Task 2, 4, 8 and 9

- These tasks were completed during December and are closed.

Task 11 – Levy COLA Constructability Reviews and Owner/Technical Reviews

- Levy COLA Constructability reviews were completed for ER Chapter1 and FSAR Chapter 2.5.1.
- Initiated COLA Constructability review of ER Chapter 3.

Task 13 – Early permitting Support

- Continue ERP and ACOE permits support.
- Re-alignment of Task to support the SCA June 2008 submittal and associated permitting activities.

REDACTED

Levy 1 & 2 Phase 1A Extension – Price Finalization-Work Authorization 04

Project Management and Administration

- Project Controls, Document Control, Procurement, and Project Management support provided as required.

Engineering – Buildings and Yard Areas

- Completed Final reviews of Cost Book Write-ups and estimates for buildings /structures.

Engineering – Mechanical Systems

- Completed Final reviews of Cost Book Write-ups and estimates for Mechanical Systems.

Engineering – Other Systems

- Completed Final reviews of Cost Book Write-ups and estimates for Electrical and I&C Systems.

Environmental/Geotechnical

- Facilitated reviews from Soletanche-Vachy and Moretrench. These two companies are experienced contractors with deep excavations, backfill and dewatering sites such as the Levy site. They were invited to present their views of the various excavation and backfill concepts being considered for Levy. Both companies endorsed our preference for concept 1. Soletanche proposed a shaft/circular diaphragm wall approach to Concept 1 which is very promising. These presentations solidified the SSW preference for Concept 1, which formally provided to Progress Energy
- Completed Consensus Conceptual Design Report for NI, TI, and T-pad Excavation and Foundations.
- Supported Inter-discipline Final Reviews for Building & Systems.

Construction

- Updated PF Estimate Matrix as required
- Supported Final cost books reviews for Building & Systems
- Completed Construction Plans and Procedures:
  - Building Foundation Plans
  - Construction Buildings and Facilities
  - Site Shipping, Traffic Logistic and Module Management Plans
  - Crane Selection and Location
  - Excavation and Backfill Plan
  - Ground Water Strategy
- Completed Construction Estimate Inputs

4-Week Look Ahead

Levy 1 & 2 Phase 1A –Work Authorization 02

- All Phase 1A original Tasks have been completed.
- **Task 11- Levy COLA Reviews**
  - Complete COLA Constructability review of ER Chapter 3.
- **Task 13- Early Permitting Support**
  - Continue Support of SCA submittal and ERP and ACOE permits

Project Management and Administration

- Support development of integrated schedule. Schedule development continues as a collaborative effort with Westinghouse. Schedule completion has been delayed to March 14, 2008
- Continue Project Controls, Document Control, Procurement, Project Management and QA support as required.

Engineering – Other Systems

- Support management review of estimate

Environmental / Geotechnical

- Recommend SSW Consensus Conceptual Design Report for NI, TI, and T-pad Excavation and Foundations
- Revise Boring Location Plan
- Scope and Estimate Site investigations
- Continue to Support Inter-discipline Reviews for Building & Systems

Construction

- Update PF Estimate Matrix as required
- Support management review of estimate
- Identify and Document LWA activities

Licensing

Planned Activities for January 2008

Levy 1& 2 Phase 1A – Work Authorization 02

- Please See 4-Week Look Ahead-Task 11 above.

Shearon Harris Phase 1A -Work Authorization 03

- Perform OARs as requested.

Commercial/Budget Status

Levy 1 & 2 Phase 1A -Work Authorization 02 Redacted
The Work Authorization value for this scope is The work authorization value is allocated to the Tasks as shown in the table below along with the budgeted versus actual. Total value includes Task 11 COLA Support which was authorized by Impact Evaluation #91 and Task 13 Early Permitting Support which was authorized by Progress Energy via LOI Letter No. NPD-SSW-2007 – 044.

With the exception of Task 11, Task 12, and Task 13, all original Work Authorization 02 tasks have been completed. As summarized below, the difference between the "Estimated at Completion" Value and the "Total Authorized" value represent a significant under run. As discussed with Progress Energy, these unused funds will be applied to fund continuing Levy work efforts subsequent to completion of Price Finalization.

CONFIDENTIAL

Authorization No. 300968-02

Project Status Through: 01/27/2008

Task / Description	Planned To Date	Earned To Date	Actual To Date	Current Variance	Cost Variance	Budget	Forecast	Estimate at Completion Variance	Estimate at Completion
	A	B	C	D = B - A	E = B - C	F	G	H = F + G	I	J = C + I
01 Project Management & Administration										
Hours	2,458	2,458	2,468	0	-10	2,458	Redacted	2,458	10	2,468
Dollars $										
02 Scope of Work and WBS										
Hours	1,920	1,920	1,583	0	337	1,920	Redacted	1,920	-337	1,583
Dollars $										
03 Preliminary Site Specific Engineering										
Hours	5,262	5,262	5,292	0	-30	5,262	Redacted	5,262	30	5,292
Dollars $										
04 AP1000 Envelope / Geotech Evaluation										
Hours	1,200	1,200	1,148	0	52	1,200	Redacted	1,200	-52	1,148
Dollars $										
05 Regional Infrastructure Part 1										
Hours	1,360	1,360	826	0	534	1,360	Redacted	1,360	-534	826
Dollars $										
06 Site Specific Procurement Plan Part 1										
Hours	450	450	67	0	383	450	Redacted	450	-383	67
Dollars $										
07 Early Procurement/Vendor Commitments										
Hours	400	400	159	0	242	400	Redacted	400	-242	159
Dollars $										
08 Preliminary Site Specific Schedule										
Hours	2,240	2,240	589	0	1,651	2,240	Redacted	2,240	-1,651	589
Dollars $										
09 Prelim Project Specific Construction Plan										
Hours	2,100	2,100	1,475	0	625	2,100	Redacted	2,100	-625	1,475
Dollars $										
10 Temporary Facilities / Permanent Conversion										
Hours	640	640	556	0	85	640	Redacted	640	-85	556
Dollars $										
11 COLA Support										
Hours	76	76	76	0	0	1,050	Redacted	lote 1)	1,050	1,050
Dollars $										

(Continued on next page.)

CONFIDENTIAL

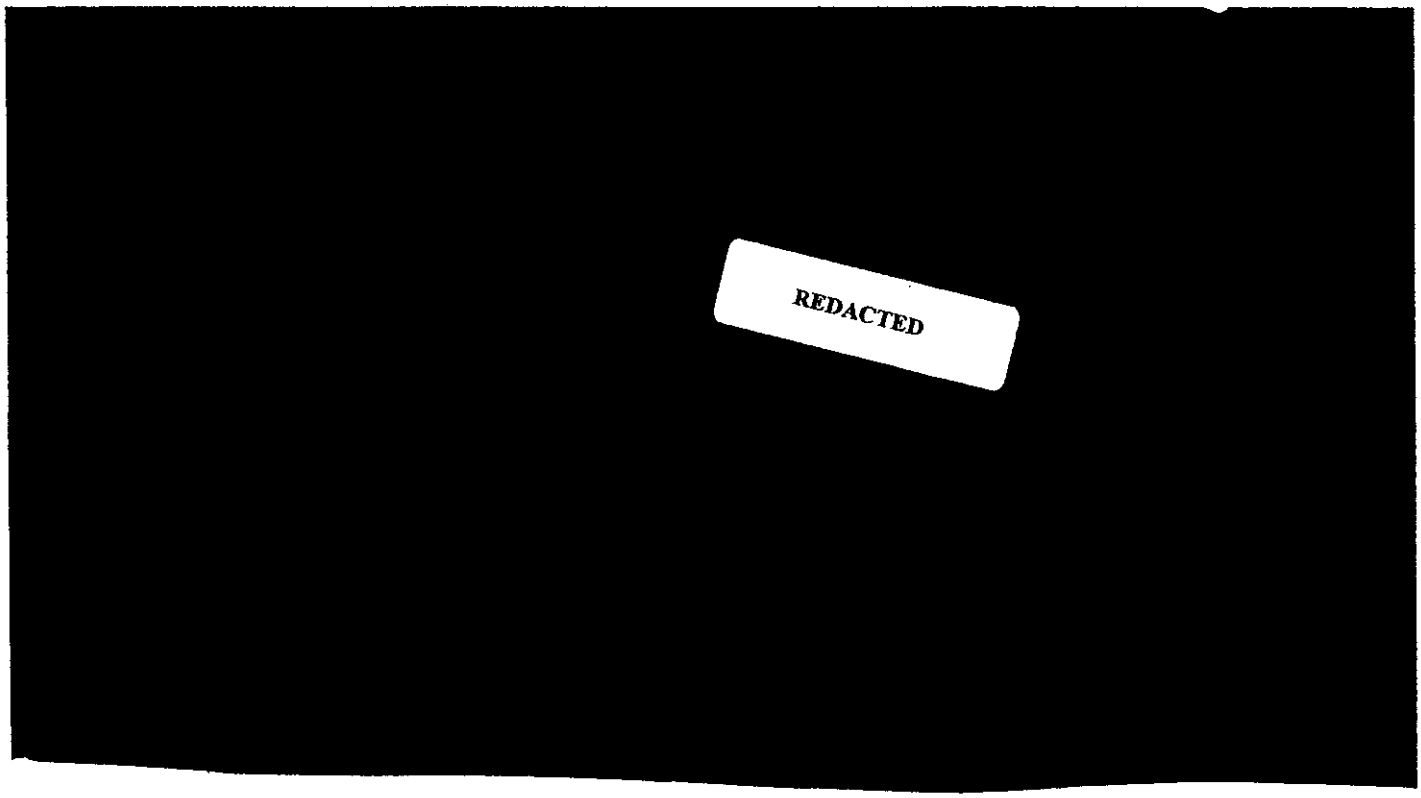
Authorization No. 300968-02

Project Status Through: 01/27/2008

Task ID / Description	Earned to Date	Planned to Date	Actuals to Date	Schedule Variance	Cost Variance	Budget	Change Order Adjustments	Total Authorized	% Complete	Estimate at Completion
	A	B	C	D = B - A	E = B - C	F	G	H = F + G	I	J = C + I
12 Travel Expenses										
Dollars $		Redacted								
13 Early Permitting Support – LOI Authorization										
Hours	1,606	1,606	1,606	0	0	900	Redacted	900	1,850	2,750
Dollars $										
TOTAL										
Hours	19,636	19,636	15,768	0	3,868	18,930	Redacted	18,930	-968	17,962
Dollars $										

Estimate at Completion and Status of Impact Evaluations:

- #91 has been approved by Progress Energy.
- #92 has been voided by Progress Energy due to the significantly evolving scope of permitting requirements. Early Permitting work will be transitioned from WA-02 to the next WA to be established by Progress Energy.
- #93 has been initiated to transfer projected surplus funds from completed and ongoing WA's to support initial interim funding for work scope to be performed subsequent to completion of Price Finalization. Based on the EAC for WA-02 provided above, Shaw forecasts at least $ Redacted can be transferred from WA-02.



CONFIDENTIAL

FEBRUARY 12, 2008

REDACTED

Levy 1 & 2 Phase 1A – Price Finalization - Work Authorization 04

The Work Authorization value for this scope is Redacted The work authorization value is allocated to the Tasks as shown in the table below along with the budgeted versus actual.

Authorization No. 300968-04
Project Status Through: 01/27/2008

Task ID	Task Description	Planned to Date	Earned to Date	Actual to Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	Estimate to Complete	Estimate at Completion
		A	B	C	D = B - A	E = B - C	F	G	H = F + G	I	J = C + I
Project Management											
99010	Project Management & Administration										
	Hours	1286	1286	1286	0	0	1395		1,395	110	1,395
	Budget $	Redacted									
99030	Procurement										
	Hours	210	210	210	0	0	871		871	661	871
	Budget $	Redacted									
99060	Document Controls										
	Hours	237	237	237	0	0	523		523	286	523
	Budget $	Redacted									
99070	QA										
	Hours	585	585	585	0	0	697		697	112	697
	Budget $	Redacted									
99080	Project Controls										
	Hours	1,242	1,242	1,242	0	0	1,917		1,917	675	1,917
	Budget $	Redacted									
99501	Travel - PROJECT MANAGEMENT										
	Budget $										
Subtotal Project Management											
	Hours	3,560	3,560	3,560	0	0	5,403		5,403	1,844	5,403
	Budget $	Redacted									
Construction											
99141	Site Dev. Interface w/Standard Plant										
	Hours	776	776	776	0	0	800		800	25	800
	Budget $	Redacted									
99142	Mgmnt. Processes, Procedures, etc.										
	Hours	2,181	2,181	2,181	0	0	2,700		2,700	519	2,700
	Budget $	Redacted									
99143	Excav/Fill, Retaining Wall, Lampson Pad										
	Hours	800	937	937	137	0	1,000		1,000	63	1,000
	Budget $	Redacted									
99144	Construction Bldg. & Facilities										
	Hours	820	903	903	83	0	900		900	0	903
	Budget $										

(Continued on next page)

Authorization No.		300968-04									
Project Status Through:		01/27/2008									
Task ID	Task Description	Planned to Date	Earned to Date	Actual to Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	Estimate to Complete	Estimate at Completion
		A	B	C	D = B - A	E = B - C	F	G	H = F + G	I	J = C + I
99145	Mod/CV Mgmt Assembly & Laydown										
	Hours	803	624	624	(179)	0	800		800	176	800
	Budget $	Redacted									
99504	TRAVEL - CONSTRUCTION										
	Budget $										
Subtotal Construction											
	Hours	5,386	5,421	5,421	41	0	6,200		6,200	783	6,203
	Budget $	Redacted									
Engineering											
99020	Engineering Management										
	Hours	2,232	2,369	2,369	137	0	3,131		3,131	62	2,431
	Budget $	Redacted									
99090	Licensing										
	Hours	137	300	300	163	0	174		174	29	328
	Budget $	Redacted									
9899	PRICE FINALIZATION – SYSTEMS										
	Hours	4,718	7,517	7,517	2,799	0	5,000		5,000	197	7,714
	Budget $	Redacted									
9899B	PRICE FINAL – BLD, YRDS, RDS, ETC.										
	Hours	6,135	5,123	5,123	(1,012)	0	6,400		6,400	1,277	6,400
	Budget $	Redacted									
99502	Travel - ENGINEERING										
	Budget $										
Subtotal Engineering											
	Hours	13,222	15,309	15,309	2087	0	14,705		14,705	1,565	15,873
	Budget $	Redacted									
Geotechnical											
94255	Geotechnical Studies										
	Hours	761	361	361	(400)	0	1,315		1,315	451	812
	Budget $	Redacted									
99503	TRAVEL - GEOTECHNICAL										
	Budget $	Redacted									
Subtotal Project Geotechnical											
	Hours	761	361	361	(400)	0	1,315		1,315	451	812
	Budget $	Redacted									
TOTAL	PROGRESS ENERGY PHASE 1A EXTENSION – PRICE FINALIZATION										
	Hours	22,922	24,650	24,650	1,728	0	27,623		27,623	6,600	31,249
	Budget $	Redacted									

Estimate at Completion and Status of Impact Evaluations:

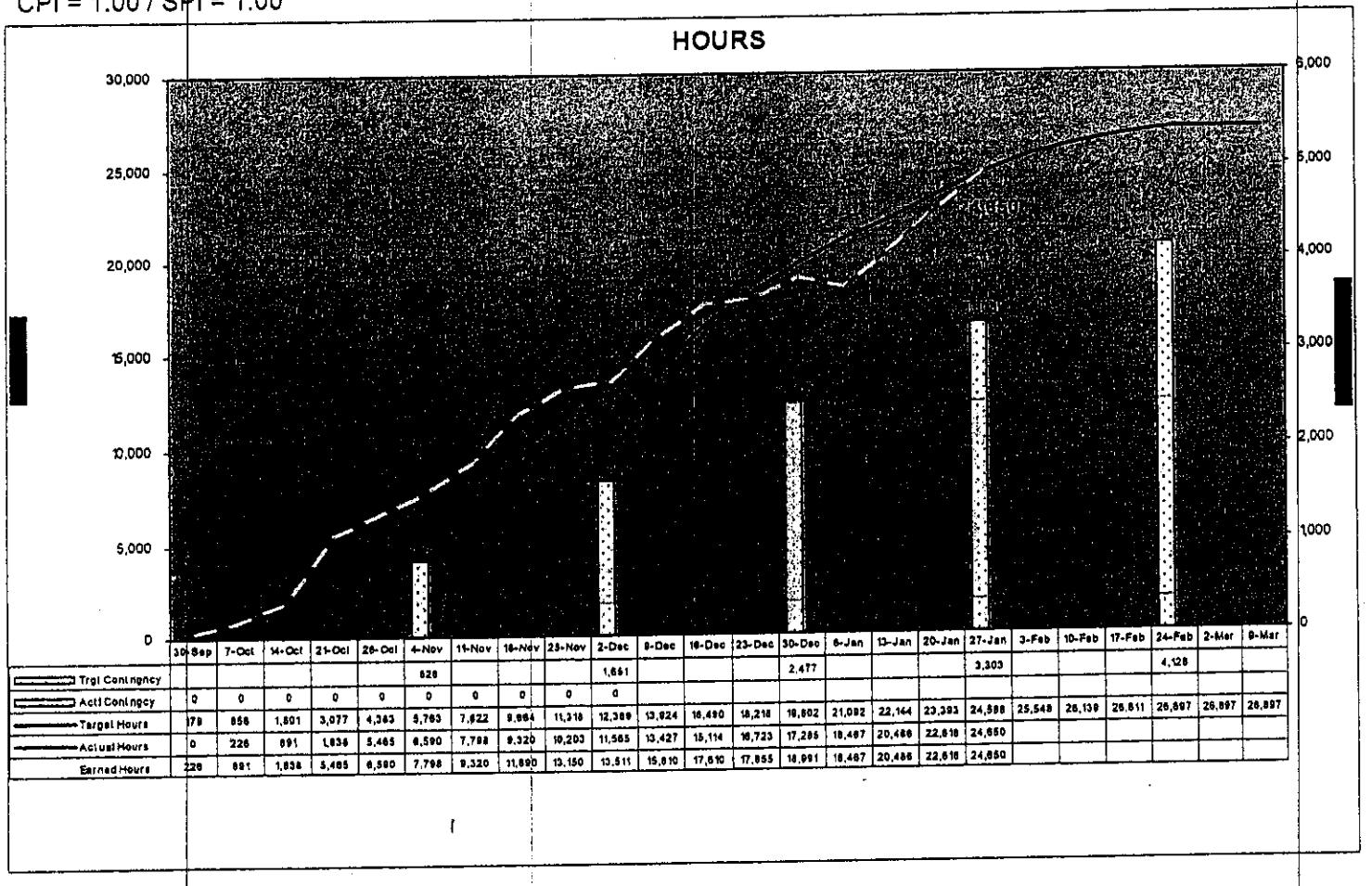
- #93 has been initiated to transfer projected surplus funds from completed and ongoing WA's to support initial interim funding for work scope to be performed subsequent to completion of Price Finalization. For WA-04, Shaw forecasts approximately Redacted can be transferred from WA-04.

(Continue on next page)

CONFIDENTIAL

February 12, 2008

CPI = 1.00 / SPI = 1.00

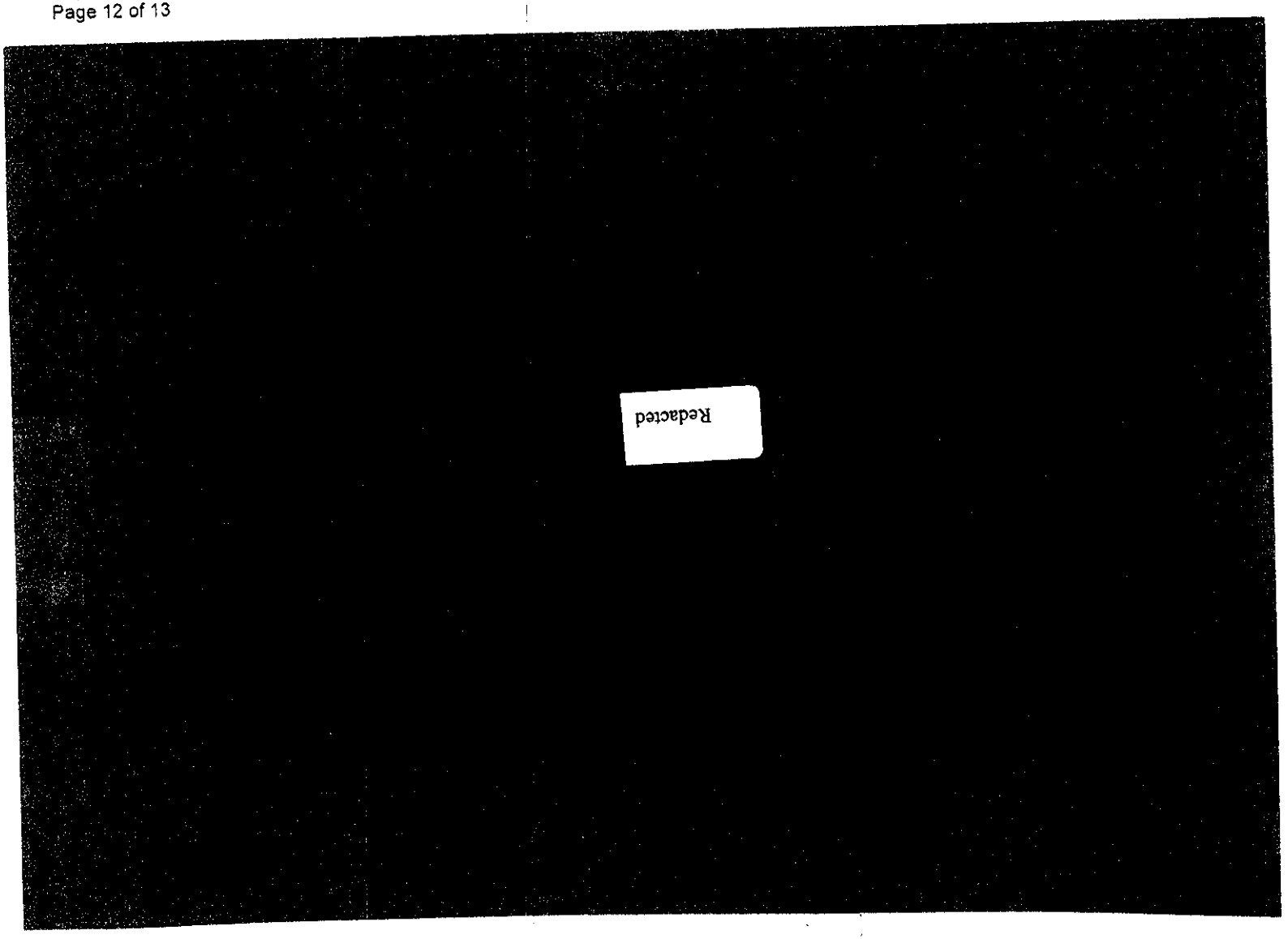


	30-Sep	7-Oct	14-Oct	21-Oct	28-Oct	4-Nov	11-Nov	18-Nov	25-Nov	2-Dec	9-Dec	16-Dec	23-Dec	30-Dec	6-Jan	13-Jan	20-Jan	27-Jan	3-Feb	10-Feb	17-Feb	24-Feb	2-Mar	9-Mar
Trgt Contingency						828				1,661				2,477				3,303				4,128		
Actl Contingcy	0	0	0	0	0	0	0	0	0	0														
Target Hours	178	856	1,801	3,077	4,353	5,793	7,622	9,984	11,318	12,389	13,924	16,490	18,218	19,802	21,092	22,144	23,393	24,588	25,548	26,139	26,811	26,897	26,897	26,897
Actual Hours	0	226	891	1,836	5,485	6,590	7,798	9,320	10,203	11,565	13,427	15,114	16,723	17,285	18,487	20,486	22,618	24,650						
Earned Hours	226	891	1,836	5,485	6,590	7,798	9,320	11,890	13,150	13,511	15,810	17,610	17,955	18,991	18,487	20,486	22,618	24,650						

CONFIDENTIAL

CONFIDENTIAL

February 12, 2008



CONFIDENTIAL

Billing Status

As of the date of this report, four (4) invoices for Progress Work Authorization 01 for a total billed amount of Redacted were issued. All invoices have been paid.

Four (4) invoices for Progress Work Authorization 02 that total Redacted (including a revised invoice for September 2007 effort) have been issued. A total of has been paid. Invoices for October, November, and December 2007 efforts are being processed.

REDACTED

One invoice for Work Authorization 04 that totals Redacted (revised amount) was issued on February 01, 2008. As of this report date, this invoice has not been paid. Invoices for October, November, and December 2007 efforts are being processed.

Action Items

None.

Attachments

- Progress Energy Levy 1 & 2 Price Finalization Summary Schedule
- Levy Cola Review Schedule

CONFIDENTIAL

Progress Energy Levy 1 & 2
Price Finalization Summary Schedule
(3 pages)

3 PAGES

CONFIDENTIAL

Levy Cola Review Schedule

(4 pages)

CONFIDENTIAL

4 PAGES

CONFIDENTIAL

CONFIDENTIAL

SHAW STONE & WEBSTER FINAL STATUS REPORT

PROGRESS ENERGY LEVY 1&2 NUCLEAR UNITS PHASE 1A QUICK START

Shaw® Stone & Webster, Inc.

CONFIDENTIAL

Project Overview

This is the Final Levy 1&2 monthly report to Progress Energy's Work Authorization No. 300968-01. This phase of the project is referred to as "Phase 1A - Quick Start" and was schedule for a period of seven (7) weeks from the execution date of the referenced work authorization. The period of performance was extended to June 30, 2007, on May 29, 2007, via Amendment Number 1 to Work Authorization No. 300968-01.

Phase 1A – Quick Start activities have focused on:

- Phase 1 site specific DOR
- Conceptual Plot Plan
- Task Plans for the remaining work included in Phase-1A
- Project Execution Plan, Project QA Plan and Project Control Manual
- Phase 1A schedule and associated cost
- Site Geotechnical Review
- Regional Infrastructure Assessment

Safety

There were ZERO recordable, first aid and lost-time injuries for the 4,423 hours worked during the Quick Start period. (includes all Shaw Stone and Webster personnel on the Progress Levy 1&2 project)

Quality

There were ZERO corrective action reports issued during this reporting period.

[!] CONFIDENTIAL

Schedule Performance

The Phase 1A – Quick Start work in Tasks 1, 2, 3, 4, 5, and 9 concluded on June 10, 2007 with deliverables transmitted to Progress Energy. The table below cross references each deliverable with the Shaw Stone & Webster transmittal number.

Levy 1&2 List of Deliverables from WA#1 (No. 300968-01)	Product Deliverable
Task 1 - PROJECT MANAGEMENT	
Task plans for 1A	**SSWN-PEF-000014**
PEP	**SSWN-PEF-000005**
Monthly status reports	**SSWN-PEF-000004**
Task 2 - PHASE 1 DOR/PLAN/SCHEDULE	
Phase 1 Site Specific DOR	Awaiting Progress determination of DOR pertinence with respect to EPC contract, deliverable moved to Task-2 of WA # 300968-02.
Phase 1A WBS & Schedule Level 3 tied to COL/Westinghouse/PE schedules	**SSWN-PEF-000013**
Phase 1 WBS with Level 2 schedule	**SSWN-PEF-000012**
Task 3 - SITE SPECIFIC ENGINEERING	
Conceptual plot plan	**SSWN-PEF-000011 & SSWN-PEF-000016**
Report on initial power plant orientation	Progress stated orientation will not change due to COLA schedule, report not needed, Progress notified meeting of May 8, 2007.
Gas line & other underground stuff on initial plot plan	**SSWN-PEF-000016**
Project Document Control	PP-5-1-0 issued 04/04/07
Project correspondence & communications	PP-6-1-0 issued 04/04/07
Records management	PP-7-1-0 issued 04/11/07
Project technical reports	PP-5-4-0 issued 04/11/07
Report on water requirements & major water systems	Progress requirements documents not received.
Update to clients risk matrix	Progress' risk matrix not mature enough to update.
COL critical interfaces in Phase 1A level 3 (Task-2)	See Task-2 above
Task 4 -AP1000 ENVELOP EVALUATION/SITE GEOTECH REVIEW/ASSESSMENT	
Report documenting	**SSWN-PEF-000008**
Work performed	see SSWN-PEF-000008

Levy 1&2 List of Deliverables from WA#1 (No. 300968-01)	Product Deliverable
Results of preliminary assessment	see SSWN-PEF-000008
Recommendation for additional geotech data	see SSWN-PEF-000008
Follow-up activities for balance of Phase1A for task-4	see SSWN-PEF-000008
Identification of potential challenges to the design, with mitigation recommendations	see SSWN-PEF-000008
Task-5 - REGIONAL INFRASTRUCTURE ASSESSMENT	
Report documenting	**SSWN-PEF-000009**
Work performed	see SSWN-PEF-000009
Results of primary investigation	see SSWN-PEF-000009
Follow-up work activities & schedule to be performed during balance of Phase 1A for task-5	see SSWN-PEF-000009
Task-9 - PROJECT SPECIFIC CONSTRUCTION PLOT PLAN	
Report documenting	**SSWN-PEF-000009**
Work performed	see SSWN-PEF-000009
Preliminary constructability reviews	see SSWN-PEF-000009
Input into conceptual plot plans (task-3)	see SSWN-PEF-000009
Follow-up work activities & schedule to be performed during balance of Phase 1A for task-9	see SSWN-PEF-000009

June 11, 2007

CONFIDENTIAL

Commercial/Budget Status

Redacted

The Work Authorization valve for this work was [redacted] Amendment No. 1 allowed for an extension of performance period to June 30, 2007. The work authorization value is allocated to the Tasks as shown in the table below along with the budgeted versus actual.

TASK/OWNER	BILLED COSTS MARCH 2007	BILLED COSTS APRIL 2007	BILLED COSTS MAY 2007	COSTS JUNE 2007	CUM to June 17, 2007	Work Autorization Delineation	WA Delta to Date	Projected to WA#1 closure
Initial Site Visit -- Labor								
Hours	229	0	0	0	229		(229)	(229)
Budget $	[redacted]							
Initial Site Visit -- Travel					0			
Budget $	[redacted]							
TASK 1 - Project Management								
Hours	148	392	173	57	769	520	(249)	(263)
Budget $	[redacted]							
TASK 2 - Prepare Phase I DOR								
Hours	111	359	339	38	847	680	(167)	(167)
Budget $	[redacted]							
TASK 3 - Prelim. Site Specific Engineering								
Hours	97	852	648	58	1,655	1,440	(215)	(230)
Budget $	[redacted]							
TASK 4 - AP1000 Envelope / Geotech Evaluation								
Hours	7	127	88	0	222	400	179	179
Budget $	[redacted]							
TASK 5 - Regional Infrastructure - Part 1								
Hours	23	237	163	0	423	400	(23)	(23)
Budget $	[redacted]							
TASK 9 - Prelim. Project Specific Construction Plan								
Hours	0	55	184	40	279	160	(119)	(129)
Budget $	[redacted]							
TASK 12 - Travel Expenses								
Budget $	[redacted]							
Hours	614	2,022	1,594	193	4,423	3,600	(823)	(861)
Budget $	[redacted]							

Redacted

Billing Status

Invoice Number	Invoice Date	Amount	Paid Date
107726	05/14/07	Redacted	06/13/07
~~108067~~	~~06/08/07~~		

Areas of Concern

- Update/review of the Client's risk matrix was not accomplished as the risk matrix is presently being developed by Progress. Discussions with Progress have indicated that a preliminary review and integration of known risks to the risk matrix may be worth while in developing standard approaches to risk for both Phase 1A & Phase 1 work. This effort will be accomplished during the Phase 1A work.

- Report identifying preliminary water requirements and recommendations for major water systems for input to the client's water balance was not completed. Documents received from Progress Energy did not include water balance data as was had indicated. Water balance data is also not available from COLA contractor.

- No new geotechnical information has been placed on the Server for evaluation. SSW's evaluation is essentially limited to the information obtained when Tim O'Donnell visited the site and to the discussions at the weekly teleconference.

- Progress stated that plant orientation will not change due to the COLA schedule and that an SSW report is not needed, this was confirmed in the May 8, 2007 meeting with both the JVT and Progress Energy. A discussion of the final layout of the cooling towers is ongoing and should be resolved during the Phase 1A work under Work Authorization Number 300968-02.

- A resolution as to the DOR is ongoing and will be resolved during Phase 1A with the deliverable moved to Task-2 of WA # 300968-02.

Action Items

There are presently no action items.

CONFIDENTIAL

Shaw® Stone & Webster, Inc.

PROJECT STATUS REPORT

OCTOBER 2007

REPORT No. PEF – R- 000005

PROGRESS ENERGY LEVY 1 & 2 PHASE 1A

PROGRESS ENERGY LEVY 1 & 2 PRICE FINALIZATION

REDACTED

CONTRACT No. 300968

Progress Energy

AP1000

Project Overview [1] CONFIDENTIAL

This status report covers Progress Energy (PE) authorized work under Contract No. 300968 during October 01 – October 28, 2007. During this period, efforts were provided for Work Authorization 300968-02 Levy Units 1 & 2 Phase 1A,

REDACTED

and Work Authorization 300968-04 Levy Units 1 & 2, Phase 1A Extension, Price Finalization Cost Estimate and Schedule Work Activities.

Levy Units 1 & 2, Phase 1A (Work Authorization 02) activities planned and in process are included below. Due to re-direction of efforts and resources to the Price Finalization effort, the schedule for these activities has been extended beyond its original October 5, 2007 completion date.

- Phase 1 Cost Estimate and Schedule
- Conceptual Design Packages for Site Specific Systems
- Conceptual Design Packages and/or Conceptual Design Sketches for Site Specific Facilities.
- Geotechnical Studies and Evaluations (also affected by missing design input information from PE and the JVT).
- Regional Infrastructure Assessment.
- Preliminary Project Specific Construction Plan.
- Evaluation of Temporary to Permanent Buildings Conversion.
- Site Specific Procurement Plan and Early Vendor Commitments.

REDACTED

Levy Units 1 & 2, Phase 1A Extension, Price Finalization (Work Authorization 04) consists of activities related to site specific buildings, systems and components, and studies and evaluations (transportation studies, craft surveys, etc.) to determine the cost impact of the site region on the overall plant cost. Authorization extends to development of Conceptual Design Packages (CDPs), Preliminary Conceptual Design Reports (CDRs) for all Permanent and Temporary Site Specific Systems and Structures, Geotechnical and Environmental initiatives supporting site development, pre-construction planning efforts and activities related to Project Management, Administration, Document Control, QA/QC, Project Controls, Cost Estimating, Procurement and Licensing support for this work.

Approved Project Change Request # 75, documents the impact on Work Authorization 02 caused by the re-direction of efforts and resources to support the Price Finalization work activities. The impact is limited to a change in the Levy 1 & 2 Phase 1A schedule and has no

impact on financial and contract considerations. The revised completion date for deferred activities is December 18, 2007

Work Authorization 03 is planned to complete no later than June 01, 2008.

Levy Units 1 & 2, Phase 1A Extension, Price Finalization Cost Estimate and Schedule Work Activities commenced on September 14, 2007 and will be completed February 14, 2008

Safety

While traveling from his home in Bartow Florida to Chrystal River Florida (Levy Site), Mr. Richard Warren, a Shaw Stone & Webster employee, was involved in a traffic accident resulting in personal injury (Broken Leg). Mr. Warren's mode of travel was by motorcycle and the accident occurred at approximately 6:30pm on Monday 10/22/07.

Initial report from Mr. Shell Shortes (Shaw, S&W Safety) stated that Mr. Warren was hospitalized where his condition was evaluated and recommendation for surgery to repair broken leg was made. Mr. Warren was reported as declining the surgery at a local hospital and expressed wishes to return to his home for further treatment. Mr. Warren was subsequently fit with an air cast and released to return home for further treatment.

The Initial report indicates that although the accident occurred while he was in route to the Site and he had yet reported, this injury will not be compensable but will be recordable. The Shaw Stone & Webster safety investigation continues and a final report will be issued during the next reporting period.

There were no other recordable, first aid and lost-time injuries for the 6,573 hours worked during this report period. (This includes all Shaw Stone & Webster personnel supporting the three current Work Authorizations). Including the completed Work Authorization 01, the project has worked 23,511 cumulative hours with no other recordable, first aid and lost-time injuries under Contract No. 300968.

Quality

A formal Audit Report was issued by Southern Nuclear Operating Company documenting the results of the August 20-23, 2007 audit of the Shaw Stone & Webster Charlotte Office Nuclear Project activities. The audit team was comprised of Builders Group Quality Assurance representatives from Southern Nuclear Operating Company, Duke Energy and South Carolina Electric & Gas. The audit was performed for the purpose of expanding the existing approved Shaw Stone & Webster locations on the respective Customer Qualified Suppliers Lists (QSL) to include the Charlotte Office. The audit was conducted utilizing the NUPIC Joint Audit Checklist, Rev. 12 covering applicable aspects of the SSW Quality Assurance Program. The audit determined that quality program measures have been established to meet the applicable criteria identified in 10CFR50 Appendix B. However, implementation of several elements of the program could not be verified due to the absence of safety related work being performed prior to

or during the audit. Four recommendations were submitted for SSW consideration with no Audit Findings being identified. The audit team concluded that the Charlotte Office should be added to their QSL's with restrictions that an additional audit/surveillance be performed at the Charlotte Office to verify implementation of the controls for safety related work prior to acceptance of a safety related product from this location. Progress Energy's Builders Group Quality Assurance Representative was present during the Audit Exit and received a detailed briefing of the results from the audit participants. SSW is currently awaiting notification that the Charlotte Office location has been effectively included on the Progress Energy QSL.

QA surveillances of project activities continue. A QA Records Management surveillance was completed during this reporting period. It concluded that Project Records within Shaw's management system, Documentum®, overall, were being effectively maintained. There were three (3) non-compliances identified during this surveillance relating to the following:

- The Project Records Classification Scheme (PRCS) required by Project Procedure PP 7-1-1 currently did not identify all the QA Records that were being generated or anticipated to be generated at this time (i.e. Training Records, CDP's, Dwgs.).
- Deficiencies were identified in the implementation of the applicable Project Procedure requirement for preparation, process, correction of documentation errors and required reviews prior to introducing the records into Documentum®.
- Records were found that had not been processed into Documentum® within the specified timeframe.

Three (3) additional surveillances associated with Design Control, Indoctrination / Training, and Document Control were also initiated. Conclusions from these surveillances will be published during the next reporting period.

Licensing

REDACTED

Other Activities

- NEI Construction Inspection Program (CIP)Task Force (Dave Hastie – Construction , John Oddo – Licensing , Larry Walsh – QA):

a. Assessment and Enforcement Subgroup (Lead – Jim Davie, Southern) Provided input/comments to the NRC Findings Flowchart and Definitions
b. ITAAC Closure Subgroup (Lead – Dave Waters, Progress) Provided an example letter
c. Corrective Action Program Subgroup (Lead – Jim Fisicaro Duke/NEI) Initiated QA participation
d. Attended the NEI CIP preparation meeting on 10/17 and the NRC CIP public meeting on 10/18.

- NEI Fitness For Duty (FFD) Task Force
  e. Provided written example from Shaw corporate program and practices, as a starting point, for the development of an industry "Fitness Monitoring" program for construction workers as allowed by the revised part 26 Subpart K rule.
- NEI New Plants Security Task Force
  f. Reviewed Federal Register Notice – Consideration of a Proposed Rule on Aircraft Impact
  g. Reviewed COLA approach to regulatory guide review requirement
- Monitored the Commissioners Briefing on new Reactors on 10/24.
- Issued an analysis of the recently published LWA rule.
- Daily processing of NRC news, OE, and publications for potential impact on the project.

Schedule Performance and Analysis

Levy 1 & 2 Phase 1A (Work Authorization 02)

Although significance progress was achieved during this reporting period, particularly with completion of PE reviews, a number of activities in the Phase 1A schedule representing receipt and review of COLA material being developed by the JVT and Progress Energy review activities were not completed as planned. These activities have been re-scheduled to provide additional time to receive this information. Other activities have been delayed as a result of the redirection to support the Price Finalization cost estimate activities.

The updated Phase 1A schedule is attached to this report and depicts project status as of November 02, 2007. The revised schedule reflects Shaw's intent to complete the remaining Phase 1A activities and deliverables as soon as possible by executing them in parallel with the Price Finalization Activities. The following current Phase 1A schedule summaries are also attached to this report,

- Client Deliverables
- Client review activities

REDACTED

Levy 1 & 2 Price Finalization (Work Authorization 04)

Work Activities commenced on September 14, 2007.All activities are progressing according to plan. There is a concern with the Geotechnical Subsurface Exploration & Testing Activities, which are currently scheduled late in the program. A review of this effort is in progress to expedite completion of these activities as early as possible.

Major Accomplishments this Report Period

Levy 1 & 2 Phase 1A –Work Authorization 02

Task 1

Procedures

- Initiated resolution of PE comments and update to include Price Finalization and Early Permitting activities to the Project Execution Plan (Project Procedure PP 1-1-1 Draft)
- Initiated resolution to PE comments and update to include Price finalization and Early Permitting activities to the Management Plan for Project Quality (Project Procedure PP 4-1-2)

Reports

- Submitted the September 2007 Status Report and the October 2007 Accruals Report as required

Task 2 and Task 8

- Evaluated impact of Price Finalization priorities on the execution of Phase 1A Task 2 and Task 8 and the Phase 1 cost estimate and Level 2 schedule deliverables and have revised the Phase 1A schedule. Activities on these tasks resumed on October 16, 2007 and will complete on December 18, 2007.
- Started development of Phase 1 Cost Estimate and schedule

Task 3

- Resolved PE comments and issued Final Site Plot Plan

CONFIDENTIAL

- Resolved PE comments and issued CDP on Site Permanent and Construction Facilities
- Resolved PE comments and issued Site Specific Revised Heat Balance
- Issued Training Center / Simulator conceptual layout drawings.
  - NOTE: Training Center placed on Hold by PE, pending decision on Simulators.
- Initiated preparation of CDP for the Sanitary drain System (SDS)
- Resolved PE comments and issued Site Firehouse conceptual layout drawings
- Resolved PE comments and issued Fire Loop Design for Construction
- Resolved PE comments and issued CDP on PWS for Construction Facilities
- Resolved PE comments and issued CDP on PWS for Permanent Facilities
- Resolved PE comments and issued CDP on Raw Water System
- Issued CDP for Site Specific Permanent facilities
- Resolved PE comments and issued CDP on Circulating Water System
- Resolved PE comments and issued CDP on DRS System

Task 4

- Continued preparation of the Geotechnical Conceptual Design Evaluation (CDE) for Power Block and turbine Foundations
- Continued preparation of BOP Boring Location Plan.
- Continued development of Geotechnical input for preliminary Excavation Drawings
- Continued preparation of the Phase 1A Environmental/Geotechnical Report.
- Issued the Construction Permit Matrix to PE for review

Task 5

- The Regional Infrastructure Assessment Report, which includes an evaluation of the railway, highway, barge, medical and fire fighting facilities and utilities, received "no comments" from PE. All activities on this task have been completed

Task 6 – All task 6 activities have been completed

Task 7 – All task 7 activities have been completed

Task 9

- PE comments resolution and update of the Preliminary Construction Plan is in progress

CONFIDENTIAL

REDACTED

Levy 1 & 2 Phase 1A Extension – Price Finalization-Work Authorization 04

Project Management and Administration

- Update as required resource-loaded Level 3 Schedule
- Three (3) QA surveillances were completed, or in progress.
- Project Controls, Document Control, Procurement, and Project Management support provided as required.

Engineering – Buildings and Yard Areas

- Completed conceptual design drawings for the following buildings/structures:
  - Administration
  - Construction Field Office
  - Maintenance
  - Fire House
  - Training Center/Simulator (On Hold by PE)
  - Cooling Tower Blow Down Sump and De-chlorination
  - Personnel Access Point
  - Switchyard Relay House 1 & 2 (Removed from SSW scope and now PE Transmission Department Scope)
  - Fuel Storage Facility
  - Receiving Permanent Warehouse
  - Warehouse
  - Communications Support Center
  - Barge Slip & Waste Water Discharge Structure
  - RWS Intake Structure
  - Cooling Water Tower Basin & Pump Station
  - Switchgear and MCC Building for RWS

- Completed Component Technical Data Sheets for the following buildings /structures:
  - Construction Field Office
  - Maintenance
  - Training Center/Simulator (On Hold by PE)

- Cooling Tower Blow Down Sump and De-chlorination
- Personnel Access Point
- Switchyard Relay House 1 & 2 (Removed from SSW scope and now PE Transmission Department Scope)
- Fuel Storage Facility
- Receiving Permanent Warehouse
- Warehouse
- Communications Support Center
- Barge Slip & Waste Water Discharge Structure
- RWS Intake Structure
- Cooling Water Tower Basin & Pump Station
- Switchgear and MCC Building for RWS

- Completed Material Take Off (MTO) for the following buildings/structures:
  - Construction Field Office
  - Maintenance
  - Switchyard Relay House 1 & 2 (Removed from SSW scope and now PE Transmission Department Scope)
  - Fuel Storage Facility
  - Receiving Permanent Warehouse
  - Warehouse
  - Communications Support Center
  - Cooling Water Tower Basin & Pump Station

- Completed initial Cost Book Write-up for the following buildings/structures:
  - Fuel Storage Facility
  - Communications Support Center

- Completed Cost Book Write-up and estimate for the following buildings /structures:
  - Communications Support Center

Engineering – Mechanical Systems

- Completed Preliminary P&IDs and Layout drawings for the following:
  - Circ. Water System (CWS)
  - Storm Drain System (DRS)
  - Yard Fire Water System (YFS)
  - Potable water System (PWS)
  - Raw water system (RWS)
  - Waste Water System (WWS)

- Completed Component Technical data Sheets for the following:
  - Circ. Water System (CWS)
  - Storm Drain System (DRS)
  - Yard Fire Water System (YFS)

- Potable water System (PWS)
- Raw water system (RWS)
- Waste Water System (WWS)

- Completed MTO and Technical Reports for the following:
  - Circ. Water System (CWS)
  - Storm Drain System (DRS)
  - Yard Fire Water System (YFS)
  - Potable water System (PWS)
  - Raw water system (RWS)
  - Waste Water System (WWS)

Engineering – Other Systems

- Completed MTO and Technical Reports for the following:
  - Site Power Distribution System (ECS)
  - Voice, Data, and Communications System
  - Closed Circuit TV System (TVS)

- Completed Component Technical data Sheets for the following:
  - Site Power Distribution System (ECS)
  - Closed Circuit TV System (TVS)

Environmental/Geotechnical

- Updated Phase 1 Construction Permit Matrix
- Supported Inter-discipline Reviews for Building & Systems

Construction

- Updated Training Matrix
- Completed PF Estimate Matrix
- Supported Inter-discipline Reviews for Building & Systems
- Initiated Review and update of
  - Construction Plans and Procedures
  - Building Foundation Plans
  - Construction Buildings and Facilities
  - Site Shipping and Traffic Logistic Studies

4-Week Look Ahead

Levy 1 & 2 Phase 1A –Work Authorization 02

Task 1

- Resolve PE comments and updates and issue Project Execution Plan
- Resolve PE comments and updates and issue Management Plan for Project Quality
- Conduct Client Satisfaction Survey

Task 2 and Task 8

- *Continue development of Phase 1 Cost Estimate and Schedule*

Task 3

- Resolve PE 'hold" on the Training Center / Simulator conceptual layout drawings
  - NOTE: On hold pending PE decision on number of simulators
- Resolve PE comments and issue CDP on HVAC Design for Permanent Facilities
  - NOTE: Restrained by receipt of comments from Progress Energy
- Resolve PE comments and issue CDP on Waste Water System

Task 4

- Complete the Geotechnical Conceptual Design Evaluation (CDE) for Power Block and turbine Foundations
- Complete BOP Boring Location Plan.
- Complete Geotechnical input for preliminary Excavation Drawings
- Complete the Phase 1A Environmental/Geotechnical Report.
- Resolve PE comments and update the Construction Permit Matrix

NOTE: Significant PE reviews and JVT input is required to complete remaining activities on this Task decision on number of simulators

Task 5 – This Task has been completed

Task 6 – This Task has been completed.

Task 7 – this Task has been Completed/

Task 9

- Incorporate PE comments and issue the "Preliminary Site Specific Construction Plan" final report.

Task 10

- Incorporate PE comments and issue the Site Construction Facilities into Permanent Plant final report.

Levy 1 & 2 Phase 1A Extension – Price Finalization-Work Authorization 04

Project Management and Administration

- Update as required resource-loaded Level 3 Schedule
- Issue QA surveillances reports.
- Continue Project Controls, Document Control, Procurement, and Project Management support as required.

Engineering – Buildings and Yard Areas

- Complete conceptual design drawings for all buildings/structures
- Complete Component Technical Data Sheets for all buildings /structures
- Complete Material Take Offs (MTOs) for all buildings/structures
- Complete Scheduled Cost Book Write-ups and estimates for buildings /structures:

Engineering – Mechanical Systems

- Complete Preliminary P&IDs and Layout drawings for all Mechanical Systems
- Complete Component Technical data Sheets for all Mechanical Systems
- Complete MTO and Technical Reports for all Mechanical Systems
- Complete Scheduled Cost Book Write-ups and estimates for Mechanical Systems

Engineering – Other Systems

- Complete Component Technical data Sheets:
- Completed MTO and Technical Reports
- Complete Scheduled Cost Book Write-ups and estimates

Environmental / Geotechnical

- Develop Consensus Conceptual Design Report for NI, TI, and T-pad Excavation and Foundations
- Revise Boring Location Plan
- Scope and Estimate Site investigations
- Continue to Support Inter-discipline Reviews for Building & Systems

Construction

- Update PF Estimate Matrix as required
- Support Inter-discipline Reviews for Building & Systems

- Complete Review and update of
  - Construction Plans and Procedures
  - Building Foundation Plans
  - Construction Buildings and Facilities
  - Site Shipping and Traffic Logistic Studies
  - Crane Selection and Location

- Develop Excavation and Backfill Plan
- Investigate and Develop Ground Water Strategy
- Develop Estimate Input for Construction Temporary Power

Licensing

Planned Activities for NOVEMBER

Levy 1& 2 Phase 1A – Work Authorization 02

- Initiation of COLA constructability reviews.
- Perform OARs as requested.

REDACTED

Commercial/Budget Status

Levy 1 & 2 Phase 1A -Work Authorization 02 Redacted
The Work Authorization value for this scope is . The work authorization value is allocated to the Tasks as shown in the table below along with the budgeted versus actual. Schedule has been re-based lined, per Change Order # 75. Present SSW internal projections show that the work will be completed for less than the budgeted amount.

(Continue on next page)

CONFIDENTIAL

November 12, 2007

Authorization No. 300968-02
Project Status Through: 10/28/2007

	Task ID / Description		Planned to Date	Earned to Date	Actual to Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	Estimate to Complete	Estimate at Completion
			A	B	C	D = B - A	E = B - C	F	G	H = F + G	I	J = C + I
01	Project Management & Administration	Hours	2,127	2,127	2,127	0	0	2,458		2,458	331	2,458
		Dollars $						Redacted				
02	Scope of Work and WBS	Hours	1,366	1,366	1,366	0	0	1,920		1,920	555	1,920
		Dollars $						Redacted				
03	Preliminary Site Specific Engineering	Hours	5,068	5,068	5,068	0	0	5,267		5,267	200	5,267
		Dollars $						Redacted				
04	AP1000 Envelope / Geotech Evalulation	Hours	877	877	877	0	0	1,200		1,200	324	1,200
		Dollars $						Redacted				
05	Regional Infrastructure Part 1	Hours	826	826	826	0	0	826		826	0	826
		Dollars $						Redacted				
06	Site Specific Procurement Plan Part 1	Hours	67	67	67	0	0	450		450	383	450
		Dollars $						Redacted				
07	Early Procurement/Vendor Commitments	Hours	133	133	133	0	0	400		400	267	400
		Dollars $						Redacted				
08	Preliminary Site Specific Schedule	Hours	186	186	186	0	0	2,240		2,240	2,055	2,240
		Dollars $						Redacted				
09	Prelim Project Specific Construction Plan	Hours	1,396	1,396	1,396	0	0	2,100		2,100	704	2,100
		Dollars $						Redacted				
10	Temporary Facilities / Permanent Conversion	Hours	546	546	546	0	0	640		640	95	640
		Dollars $						Redacted				
12	Travel Expenses	Dollars $								Redacted		
TOTAL		Hours	12,690	12,690	12,690	0	0	17,601	0	17,601	4,912	17,601
		Dollars $						Redacted				

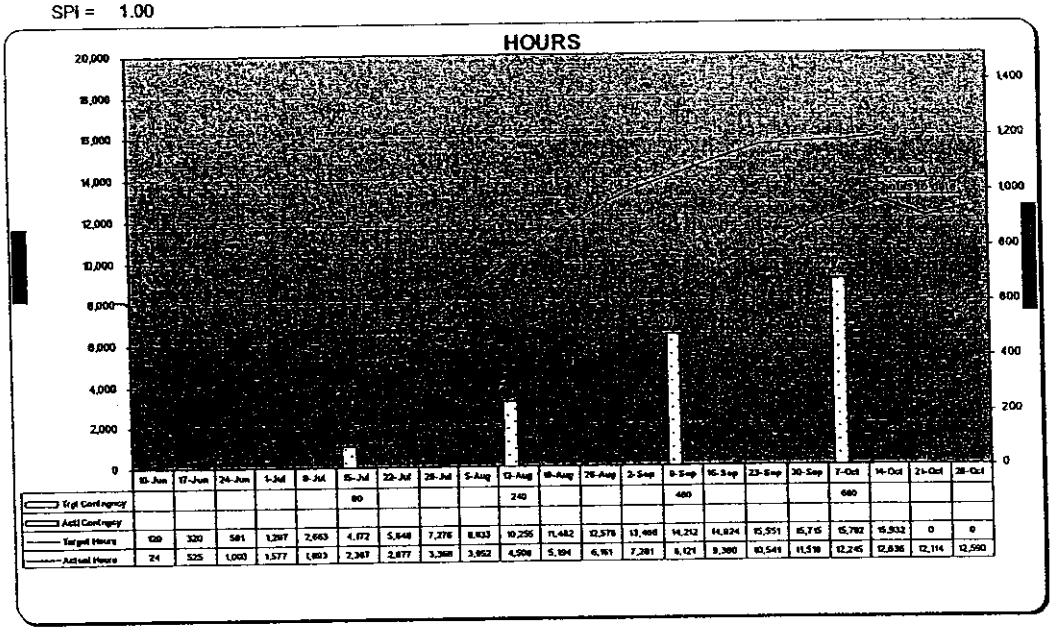
Non-billable hours/costs:

November 12, 2007

Performance Graphs:

CONFIDENTIAL

CPI = 1.00
SPI = 1.00



CPI = 1.00
SPI = 1.00

[redacted]

Redacted

CONFIDENTIAL

REDACTED

Levy 1 & 2 Phase 1A – Price Finalization - Work Authorization 04
The Work Authorization value for this scope is Redacted The work authorization value is allocated to the Tasks as shown in the table below along with the budgeted versus actual.

(Continue on next page)

CONFIDENTIAL

November 12, 2007

Authorization No. 300968-04
Project Status Through: 10/28/2007

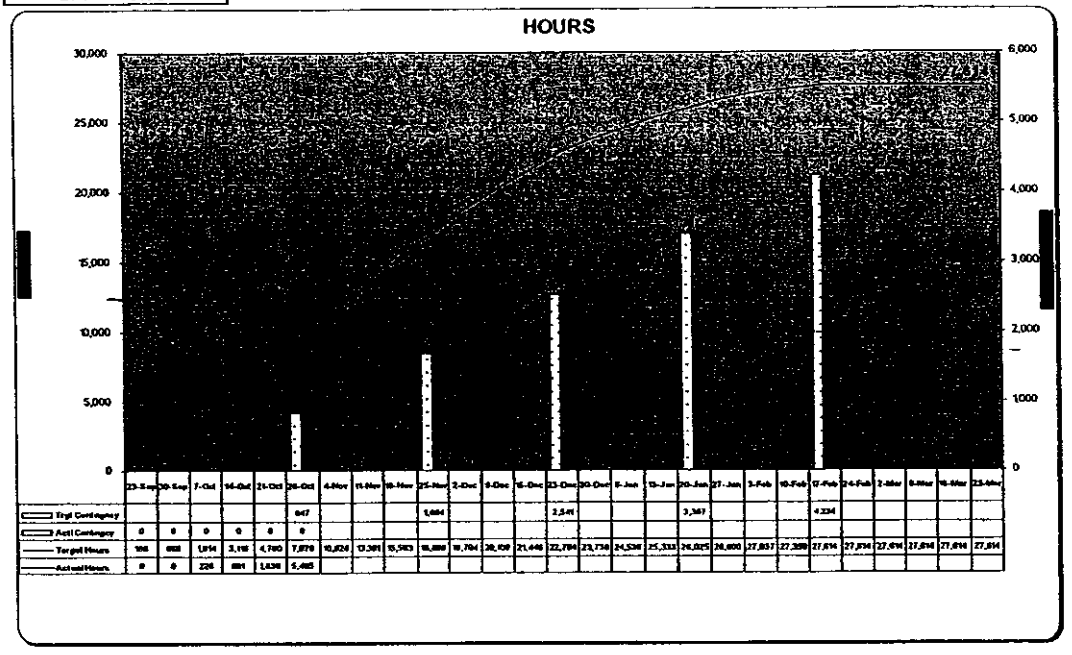
Task ID	Task Description	Planned to Date	Earned to Date	Actual to Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	Estimate to Complete	Estimate at Completion
		A	B	C	D = B - A	E = B - C	F	G	H = F + G	I	J = C + I
Project Management											
99010	Project Management & Administration										
	Hours	360	345	100	(15)	245	1,392	100	1,492	1,392	1,492
	Budget $	Redacted									
99030	Procurement										
	Hours	250	249	0	(1)	249	871	0	871	871	871
	Budget $	Redacted									
99060	Document Controls										
	Hours	151	86	46	(65)	38	523	48	571	523	571
	Budget $	Redacted									
99070	QA										
	Hours	198	199	0	1	199	694	0	694	694	694
	Budget $	Redacted									
99080	Project Controls										
	Hours	494	474	194	(20)	280	1,817	194	2,111	1,917	2,111
	Budget $	Redacted									
99501	Travel - PROJECT MANAGEMENT										
	Budget $										
	Subtotal Project Management										
	Hours	1,453	1,353	342	(100)	1,011	5,397	810	6,207	1,292	1,634
	Budget $	Redacted									
Construction											
99141	Site Dev. Interface w/Standard Plant										
	Hours	59	0	80	(59)	(80)	799	80	879	799	879
	Budget $	Redacted									
99142	Mgmt. Processes, Procedures, etc.										
	Hours	393	135	240	(258)	(105)	2,700	240	2,940	2,700	2,940
	Budget $	Redacted									
99143	Excav/Fill, Retaining Wall, Lampson Pad										
	Hours	50	10	330	(40)	(320)	1,000	330	1,330	1,000	1,330
	Budget $	Redacted									
99144	Construction Bldg. & Facilities										
	Hours	88	45	230	(41)	(185)	900	230	1,130	900	1,130
	Budget $	Redacted									
99145	Mod/CV Mgmt Assembly & Laydown										
	Hours	91	20	0	(71)	20	800	0	800	800	800
	Budget $	Redacted									
99504	TRAVEL - CONSTRUCTION										
	Budget $										
	Subtotal Construction										
	Hours	679	210	880	(469)	(670)	6,200	1,021	7,221	5,319	6,199
	Budget $										
Engineering											
99020	Engineering Management										
	Hours	806	755	273	(51)	482	3,131	273	3,404	3,131	3,404
	Budget $	Redacted									
99090	Licensing										
	Hours	48	47	21	(1)	26	174	21	195	174	195
	Budget $	Redacted									
9899	PRICE FINALIZATION – SYSTEMS										
	Hours	2,899	1,817	2,141	(1,082)	(324)	5,000	2,140	7,140	5,000	7,140
	Budget $	Redacted									
98998	PRICE FINAL – BLD, YRDS, RDS, ETC.										
	Hours	1,954	2,949	1,803	995	1,146	6,398	1,808	8,206	6,403	8,206
	Budget $	Redacted									
99502	Travel - ENGINEERING										
	Budget $										
	Subtotal Engineering										
	Hours	5,707	5,568	4,238	(139)	1,330	14,705	2,206	16,911	10,465	14,703
	Budget $	Redacted									
Geotechnical											
94255	Geotechnical Studies										
	Hours	140	210	5	70	205	1,315	5	1,320	1,315	1,320
	Budget $	Redacted									
99503	TRAVEL - GEOTECHNICAL										
	Budget $										
	Subtotal Project Geotechnical										
	Hours	140	210	5	70	205	1,315	197	1,512	1310	1,315
	Budget $	Redacted									
TOTAL	PROGRESS ENERGY PHASE 1A EXTENSION – PRICE FINALIZATION										
	Hours	7979	7,341	5,465	(638)	1,876	27,617	4,234	31,851	18,386	23,851
	Budget $	Redacted									

Non-billable hours are included.

CONFIDENTIAL

Performance Graphs:

CPI = 1.34
SPI = 0.92



CPI = 1.84
SPI = 0.92

[redacted]

Redacted

Billing Status

As of the date of this report, four (4) invoices were issued on Progress Work Authorization 01 for a total billed amount of Redacted All invoices have been paid.

Three (3) invoices have been issued on Progress Work Authorization 02 that total Redacted One invoice for Redacted remains unpaid.

REDACTED

No invoices have been issued for Work Authorization 04 at the time of this report.

Action Items

There are presently no action items.

Attachments

- Progress Energy Phase 1A Levy 1 & 2 Schedule–All Activities–11-02-07 update
- 11/02/07 – Phase 1A Client Reviews
- 11/02/07 – Phase 1A Client Deliverables
- Progress Energy Levy 1 & 2 Price Finalization Schedule–All Activities–11-09-07 update

CONFIDENTIAL

Phase 1A
All Activities
11/2/07 update

(12 pages to follow)

12 PAGES

CONFIDENTIAL

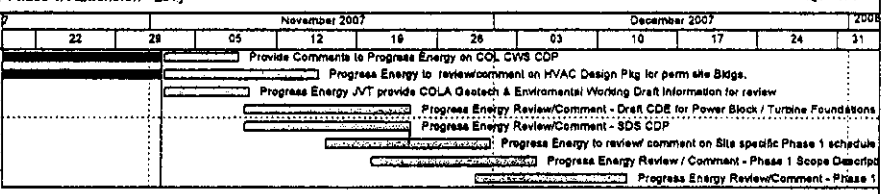
Phase 1A
Client Reviews
11/2/07
(1 page to follow)

CONFIDENTIAL

[1] CONFIDENTIAL

Data Date: Nov-02-07 — Progress Energy Phase 1A Extension - Levy — Page 1 of 1

Activity ID	Activity Description	Orig Dur	Rem Dur	% Cpt	Start Date	Finish Date
AT3730	Provide Comments to Progress Energy on COL CWS CDP	2	5	0%	Oct-15-07 A	Nov-08-07
RAT3990	Progress Energy to review/comment on HVAC Design Pkg for perm site Bldgs	5	10	0%	Oct-15-07 A	Nov-15-07
RAT4050	Progress Energy JVT provide COLA Geotech & Enviromental Working Draft I...	6	6	0%	Nov-02-07	Nov-09-07
RAT4046	Progress Energy Review/Comment - Draft CDE for Power Block / Turbine Fo...	10	10	0%	Nov-09-07	Nov-23-07
RAT3781	Progress Energy Review/Comment - SDS CDP	10	10	0%	Nov-09-07	Nov-23-07
RAT8070	Progress Energy to review/ comment on Site specific Phase 1 schedule level 3	10	10	0%	Nov-16-07	Nov-30-07
RAT1090	Progress Energy Review / Comment - Phase 1 Scope Description	10	10	0%	Nov-20-07	Dec-04-07
AT2285	Progress Energy Review/Comment - Phase 1 Estimate/Schedule	10	10	0%	Nov-29-07	Dec-12-07



Actual Level of Effort — Actual Work — Remaining Work — Critical Remaining Work — Milestone — % Complete

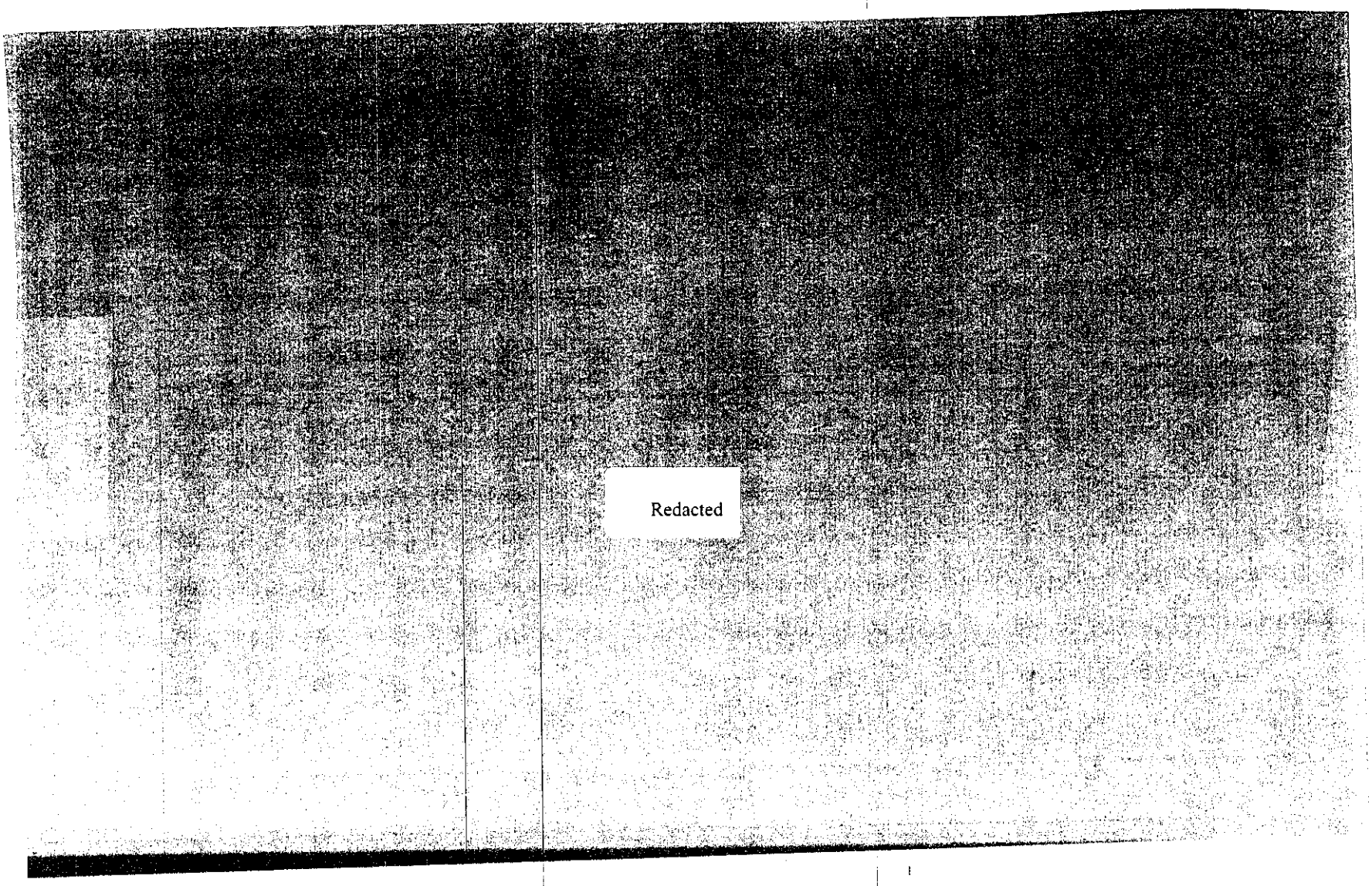
PROGRESS ENERGY PHASE 1A

CLIENT REVIEWS

Start Date: Jun-18-07

Finish Date: Dec-14-07

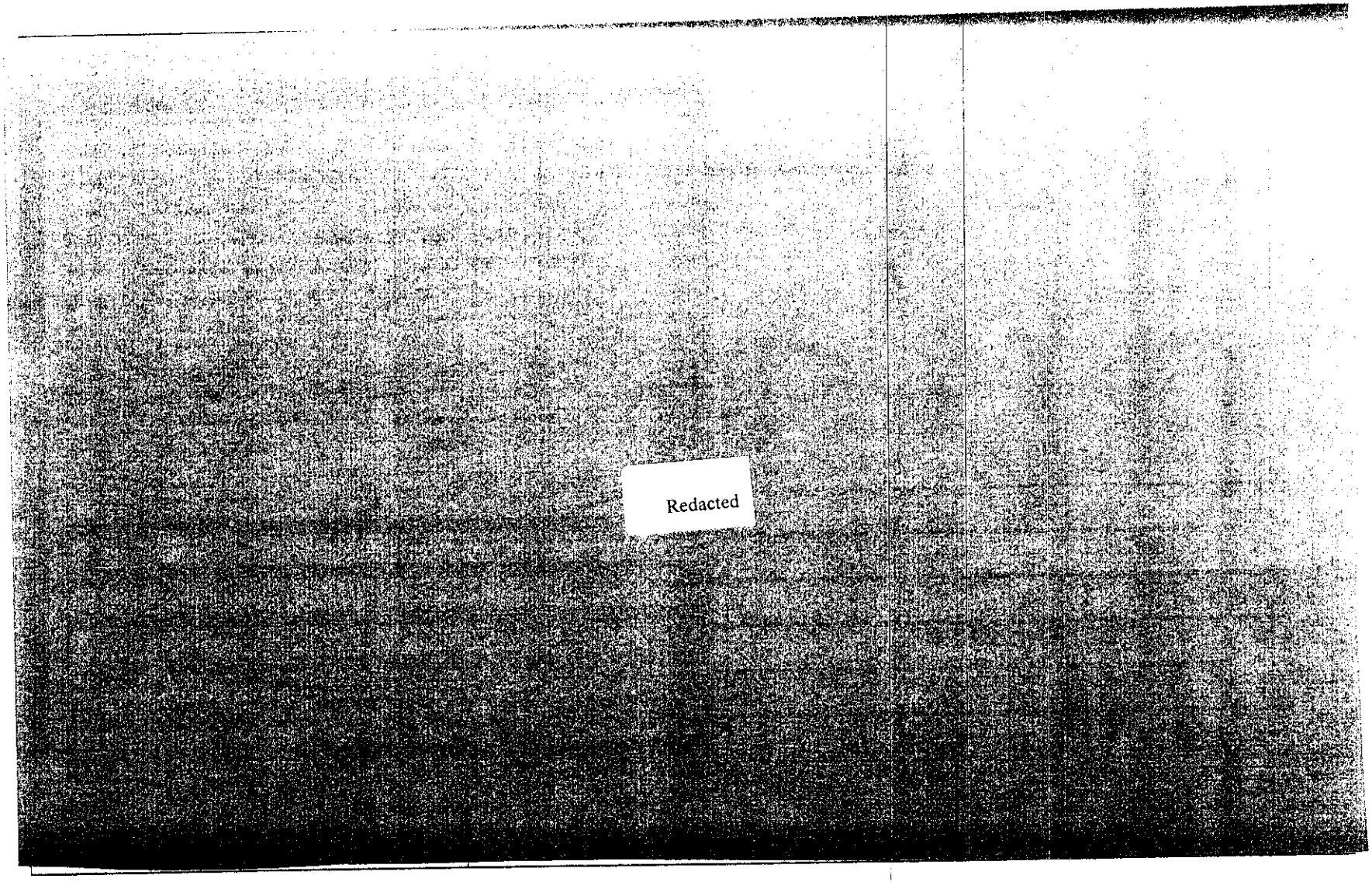
CONFIDENTIAL



Phase 1A
Client Deliverables
11/2/07

(1 page to follow)

CONFIDENTIAL


Redacted

CONFIDENTIAL

Price Finalization
All Activities
11/9/07 update

(30 pages to follow)

30 PAGES

CONFIDENTIAL

Shaw®
a world of Solutions™

CONFIDENTIAL

PROJECT STATUS REPORT

FEBRUARY 2008

REPORT No. PEF – R- 000009

PROGRESS ENERGY LEVY 1 & 2 PHASE 1A

PROGRESS ENERGY LEVY 1 & 2 PRICE FINALIZATION

REDACTED

CONTRACT No. 300968

March 13, 2008

Progress Energy

AP1000

CONFIDENTIAL

Project Overview

This status report covers Progress Energy's (PE) authorized work under Contract No. 300968 from Januar**REDACTED** 28 to February 29, 2008. During this period, efforts were provided for

Work Authorization 300968-02 Levy Units 1 & 2 Phase 1A, including Permitting support associated with SCA, LWA submittal activities and other activities required to maintain the 2016 (Unit 1) and 2017 (Unit 2) CO schedule; and Work Authorization 300968-04 Levy Units 1 & 2, Phase 1A Extension, Price Finalization Cost Estimate and Schedule Work Activities.

Levy Units 1 & 2, Phase 1A (Work Authorization 02)

Activities planned and in process are included below.

- Phase 1 Schedule.
- Revise Conceptual Design Packages for Site Specific Systems to incorporate additional PE comments.
- Revise Conceptual Design Packages and/or Conceptual Design Sketches for Site Specific Facilities to incorporate additional PE comments.
- Geotechnical Studies and Evaluations.
- Permitting Support associated with SCA and LWA submittals. This effort originated as Task 13 to address early permitting activities required to support "pre-construction" work, as authorized on November 8, 2007 Progress Energy Letter of Intent (LOI) No. NPD-SSW-2007 – 044. These activities were intended to support Early Permitting of the Barge Slip, Heavy Haul Road and Bridge, Pipeline Corridor, Site Access Roads, Railway Spur, and Transmission Corridor. Permitting agencies did not allow this segmented approach to permitting and by PE direction the emphasis switched to pursue a full Site Certification Application and LWA submittals.
- LNP COLA Constructability Reviews and Owner/Technical Reviews (Task 11).
- Preparation of Scope Descriptions, Estimates and Impact Assessments for added work scope related to SCA and LWA Permitting support.

REDACTED

Levy Units 1 & 2, Phase 1A Extension, Price Finalization (Work Authorization 04) consists of activities related to site specific buildings, systems and components, and studies and evaluations (transportation studies, craft surveys, etc.) to determine the cost impact of the site region on the overall plant cost. Authorization extends to development of Conceptual Design Packages (CDPs), Preliminary Conceptual Design Reports (CDRs) for all Permanent and Temporary Site Specific Systems and Structures, Geotechnical and Environmental initiatives supporting site development, pre-construction planning efforts and activities related to Project Management, Administration, Document Control, QA/QC, Project Controls, Cost Estimating, Procurement and Licensing support for this work.

Levy Units 1 & 2, Phase 1A Extension, Price Finalization Cost Estimate and Schedule Work Activities commenced on September 14, 2007. The AP1000 Site Specific Price Book was submitted to PE, on schedule, February 14, 2008. An interim AP1000 Schedule, previously submitted, was also included with the Price Book. The Plant Specific AP1000 Integrated Schedule, remains under development and will be submitted on March 14, 2008.

Safety

There were no first aid and lost-time injuries for the 7,023 hours worked during this report period. (This includes all Shaw Stone & Webster personnel supporting the three current Work Authorizations and LOI). Except for one recordable injury (reported in the October Monthly Report), including the completed Work Authorization 01, the project has worked 53,003 cumulative hours with no other recordable, first aid and lost-time injuries under Contract No. 300968.

Quality

There were no new QA Audits and QA surveillances of project activities during this reporting period. QA support, however, continues with review of audit observations responses and closure.

QA support also continued during the preparation and issuance of the Project Training Matrix and draft revisions to Project MPPQP and other Project Procedures to include impact of additional work scope activities authorized by PE.

Licensing

REDACTED

Levy Nuclear Plant COLA Constructability and Owner's Acceptance Reviews

- Completed COLA Constructability review of Environmental Report Chapter 3.

Other Licensing Activities

- Performed an evaluation on the noise pollution level at the Levy site due to construction equipment per RFI from the JVT.
- Revised an LWA Guidance document to reflect recent changes to the LWA rule
- Participated in NEI Construction Inspection Program Task Force meeting on02/01/08.
- Participated in Westinghouse ITAAC Coordination Team conference calls on02/13/08, 02/21/08 and 02/29/08.
- Participated in NEI Security Task Force meeting on02/19/08.
- Monitored NEI New Plants Security Task Force activities.
- Processed and distributed Regulatory and Industry information for potential impact on the project.
- Developed and made a pilot presentation of training module for project staff on the NRC Licensing process.
- Monitored NRC Commissioners Briefing on New Plants.
- Participated in the February 20th NRC meeting on LWA Rule Implementation Issues

Performance and Analysis

Levy 1 & 2 Phase 1A (Work Authorization 02)

Activities associated with Tasks 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10 has been completed and these Tasks have been closed. Task 12, Travel Expenses, will remain open pending receipt of outstanding expense reports. This completes all the original Phase 1A scope activities. Completion of this work was accomplished significantly under the authorized budget. Please refer to **Commercial/Budget Status** section below for details.

Work Authorization 02, however, remains open to include the following:

- Task 11 – LNP COLA Constructability Reviews and Owner/Technical Reviews.
- Task 13 – SCA and LWA Permitting Support Work on this Task is in process and was performed in accordance with Progress Energy LOI No. NPD-SSW-2007 – 044. A further scope and estimate will be submitted to reflect SCA and LWA Permitting Support activities beyond February 11, 2008

REDACTED

Levy 1 & 2 Phase 1A Extension, Price Finalization (Work Authorization 04)

See section "Major Accomplishments this Report Period".

Major Accomplishments this Report Period

Levy 1 & 2 Phase 1A – Work Authorization 02

Tasks 1, 3, 5, 6, 7 and 10

- These Tasks were completed in November and are closed.

Task 2, 4, 8 and 9

- These tasks were completed during December and are closed.

Task 11 – Levy COLA Constructability Reviews and Owner/Technical Reviews

- Levy COLA Constructability reviews were completed for Environmental Report Chapter 3.

Task 13 – Early permitting Support

- Completed Re-alignment of Task to support the SCA and LWA submittals and associated permitting activities.

REDACTED

Levy 1 & 2 Phase 1A Extension – Price Finalization-Work Authorization 04

Project Management and Administration

- Project Controls, Document Control, Procurement, and Project Management support provided as required.
- Submitted the Levy Nuclear Plant Site Specific Price Book to Progress Energy on February 14, 2008

Engineering – Buildings and Yard Areas

- *Completed Final reviews of Cost Book Write-ups and estimates for buildings /structures.*

Engineering – Mechanical Systems

- Completed Final reviews of Cost Book Write-ups and estimates for Mechanical Systems.

Engineering – Other Systems

- Completed Final reviews of Cost Book Write-ups and estimates for Electrical and I&C Systems.

Environmental/Geotechnical

- Supported Inter-discipline Final Reviews for Building & Systems.

Construction

- Finalized PF Estimate Matrix
- Supported Final cost books reviews for Building & Systems
- Completed Construction Plans and Procedures:
  - Building Foundation Plans
  - Construction Buildings and Facilities
  - Site Shipping, Traffic Logistic and Module Management Plans
  - Crane Selection and Location
  - *Excavation and Backfill Plan*
  - Ground Water Strategy
- Completed Construction Estimate Inputs

4-Week Look Ahead

Levy 1 & 2 Phase 1A –Work Authorization 02

- All Phase 1A original Tasks have been completed.
- **Task 11- Levy COLA Reviews**
  - Complete COLA constructability and Owner/Technical Reviews as received from PE.
- **Task 13- Early Permitting Support**
  - Continue Support of SCA and LWA submittals

Levy 1 & 2 Phase 1A Extension – Price Finalization-Work Authorization 04

Project Management and Administration

- Support development of integrated schedule. Schedule development continues as a collaborative effort with Westinghouse. Schedule completion has been delayed to March 14, 2008
- Support PE review of Price Book, and supporting documents, and respond to PE RFIs requesting clarification and/or additional information

Engineering – Other Systems

- Support PE review of Price Book, and supporting documents, and respond to PE RFIs requesting clarification and/or additional information

Environmental / Geotechnical

- Support PE review of Price Book, and supporting documents, and respond to PE RFIs requesting clarification and/or additional information

Construction

- Support PE review of Price Book, and supporting documents, and respond to PE RFIs requesting clarification and/or additional information

Licensing

Planned Activities for January 2008

Levy 1& 2 Phase 1A – Work Authorization 02

- Please See 4-Week Look Ahead-Task 11 above.

REDACTED

Commercial/Budget Status

Redacted

Levy 1 & 2 Phase 1A -Work Authorization 02
The Work Authorization value for this scope is The work authorization value is allocated to the Tasks as shown in the table below along with the budgeted versus actual. Total value includes Task 11 COLA Support which was authorized by Impact Evaluation #91 and Task 13 Early Permitting Support which was authorized by Progress Energy via LOI Letter No. NPD-SSW-2007 – 044.

With the exception of Task 11, Task 12, and Task 13, all original Work Authorization 02 tasks have been completed. As summarized below, the difference between the "Estimated at Completion" Value and the "Total Authorized" value represent a significant under run.

CONFIDENTIAL

MARCH 13, 2008

Authorization No. 300968-02
***Project* Status Through:** March 2, 2008 excluding Task 13 Status illustrated ONLY through February 10, 2008. See below for Task 13 Status through March 2, 2008

Task ID Description	Planned To Date	Earned To Date	Actual To Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	ETC or Completion Variance	EAC
	A	B	C	D=B-C	E=B-C	F	G	H=F+G	I	J
01 Project Management & Administration										
Hours	2,458	2,458	2,468	0	-10	2,458		2,458	10	2,468
Dollars $					Redacted					
02 Scope of Work and WBS										
Hours	1,920	1,920	1,583	0	377	1,920		1,920	-337	1,583
Dollars $					Redacted					
03 Preliminary Site Specific Engineering										
Hours	5,262	5,262	5,292	0	-30	5,262		5,262	-30	5,292
Dollars $					Redacted					
04 AP1000 Envelope/Geotechnical Evaluation										
Hours	1,200	1,200	1,148	0	52	1,200		1,200	-52	1,148
Dollars $					Redacted					
05 Regional Infrastructure Part 1										
Hours	1,360	1,360	826	0	534	1,360		1,360	-534	826
Dollars $					Redacted					
06 Site Specific Procurement Plan Part 1										
Hours	450	450	67	0	383	450		450	-383	67
Dollars $					Redacted					
07 Early procurement/Vendor Commitments										
Hours	400	400	159	0	242	400		400	-242	159
Dollars $					Redacted					
08 Preliminary Site Specific Schedule										
Hours	2,240	2,240	589	0	1,651	2,240		2,240	-1,651	589
Dollars $					Redacted					
09 Preliminary Project Specific Construction Plan										
Hours	2,100	2,100	1,475	0	625	2,100		2,100	-625	1,475
Dollars $					Redacted					
10 Temporary Facilities/Permanent Conversion										
Hours	640	640	556	0	85	640		640	-85	556
Dollars $					Redacted					
11 COLA Support										
Hours	201	201	201	0	0	1,050		1,050	849	1,050
Dollars $					Redacted					
Change Order/Impact Evaluation # 91 (Note 1)						Redacted		Redacted		Redacted
12 Travel Expenses										
Dollars $					Redacted					
13 Early Permitting Support – LOI										
Hours	900	900	2,244	0	0	900		900	1,324	2,244
Dollars $					Redacted					
TOTAL										
Hours	19,131	19,131	16,608	0	3,909	19,980		19,980	-2,523	17,457
Dollars $					Redacted					

Note 1: Task 11 is funded from available contingency, per approved Change Order/Impact Evaluation # 91

CONFIDENTIAL

TASK 13

The following table illustrates Task 13 status from February 11, 2008 through March 2, 2008.

SSW Letter SSWN-PEF-000129, Depicts the estimate and scope for SSW activities required to support the SCA and LWA submittal From February 11, 2008 through June 30, 2008. This work is currently in progress and the actual man-hours and associated cost are being tracked as detailed below. Upon Progress Energy Issuance of an approved new Work Authorization, this data will be transferred to the new work authorization

Task ID Description	Planned To Date	Earned To Date	Actual To Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	ETC or Completion Variance	ETC
	A	B	C	D=B-C	E=B-C	F	G	H=F+G	I	J
13 Early Permitting Support – Pending Receipt of Work Authorization (Refer to Letter SSWN-EF-000129)										
Hours	0	0	235	0	0	0		0	0	0
Dollars $						Redacted				
13 Early Permitting Support – Project Management										
Hours	0	0	1,432	0	0	0		0	0	0
Dollars $						Redacted				
13 Early Permitting Support – Construction										
Hours	0	0	639	0	0	0		0	0	0
Dollars $						Redacted				
13 Early Permitting Support – Engineering										
Hours	0	0	2,724	0	0	0		0	0	0
Dollars $						Redacted				
13 Early Permitting Support – Geotechnical										
Hours	0	0	207	0	0	0		0	0	0
Dollars $						Redacted				
TOTAL										
Hours	0	0	5,237	0	0	0		0	0	0
Dollars $						Redacted				

Status of Impact Evaluations:

- #91 has been approved by Progress Energy.
- #92 has been voided by Progress Energy due to the significantly evolving scope of permitting requirements. Early Permitting work will be transitioned from WA-02 to the next WA to be established by Progress Energy.
- #93 has been superseded by #94. #94 will be limited to recording the projected under runs for WA01, WA02, WA03 and WA04

CONFIDENTIAL

REDACTED

CONFIDENTIAL

MARCH 13, 2008

Levy 1 & 2 Phase 1A – Price Finalization - Work Authorization 04
Authorization No. 300968-04
Project Status Through: March 2, 2008

Task ID Description	Planned To Date	Earned To Date	Actual To Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	ETC or Completion Variance	EAC
	A	B	C	D=B-C	E=B-C	F	G	H=F+G	I = L-C	J=C+I
Project Management & Administration										
99010 Project Management & Administration										
Hours	1,395	1,395	1,629	0	0	1,395		1,395	234	1,629
Dollars $					Redacted					
99030 Procurement										
Hours	871	871	351	0	0	871		871	-521	351
Dollars $					Redacted					
99035 Subcontract Administration										
Hours	0	0	42	0	0	0		0	42	42
Dollars $					Redacted					
99060 Document Controls										
Hours	523	523	336	0	0	523		523	-187	336
Dollars $					Redacted					
99070 Quality Assurance										
Hours	697	697	655	0	0	697		697	-42	655
Dollars $					Redacted					
99080 Project Controls										
Hours	1,917	1,917	1,952	0	0	1,917		1,917	35	1,952
Dollars $					Redacted					
99501 Travel Expenses - Project Management										
Dollars $					Redacted					
SUBTOTAL Project Management										
Hours	5,403	5,403	4,964	0	0	5,403		5,403	-438	4,964
Dollars $					Redacted					
Construction										
99141 Site Development Interface										
Hours	800	800	918	0	0	800		800	118	918
Dollars $					Redacted					
99142 Management Processes, Procedures, etc.										
Hours	2,700	2,700	2,912	0	0	2,700		2,700	212	2,912
Dollars $					Redacted					
99143 Excav / Fill, Retaining Wall, Lampson Pad										
Hours	1,000	1,000	937	0	0	1,000		1,000	-63	937
Dollars $					Redacted					
99144 Construction Building & Facilities										
Hours	900	900	943	0	0	900		900	43	943
Dollars $					Redacted					
99145 Mod / CV Mgmt Assembly & Laydown										
Hours	800	800	668	0	0	800		800	-132	668
Dollars $					Redacted					
99504 Travel Expenses – Construction										
Dollars $					Redacted					
SUBTOTAL Construction										
Hours	6,200	6,200	6,378			6,200		6,200	178	6,378
Dollars $					Redacted					

Authorization No. 300968-04
Project Status Through: March 2, 2008 Continued from Previous Page

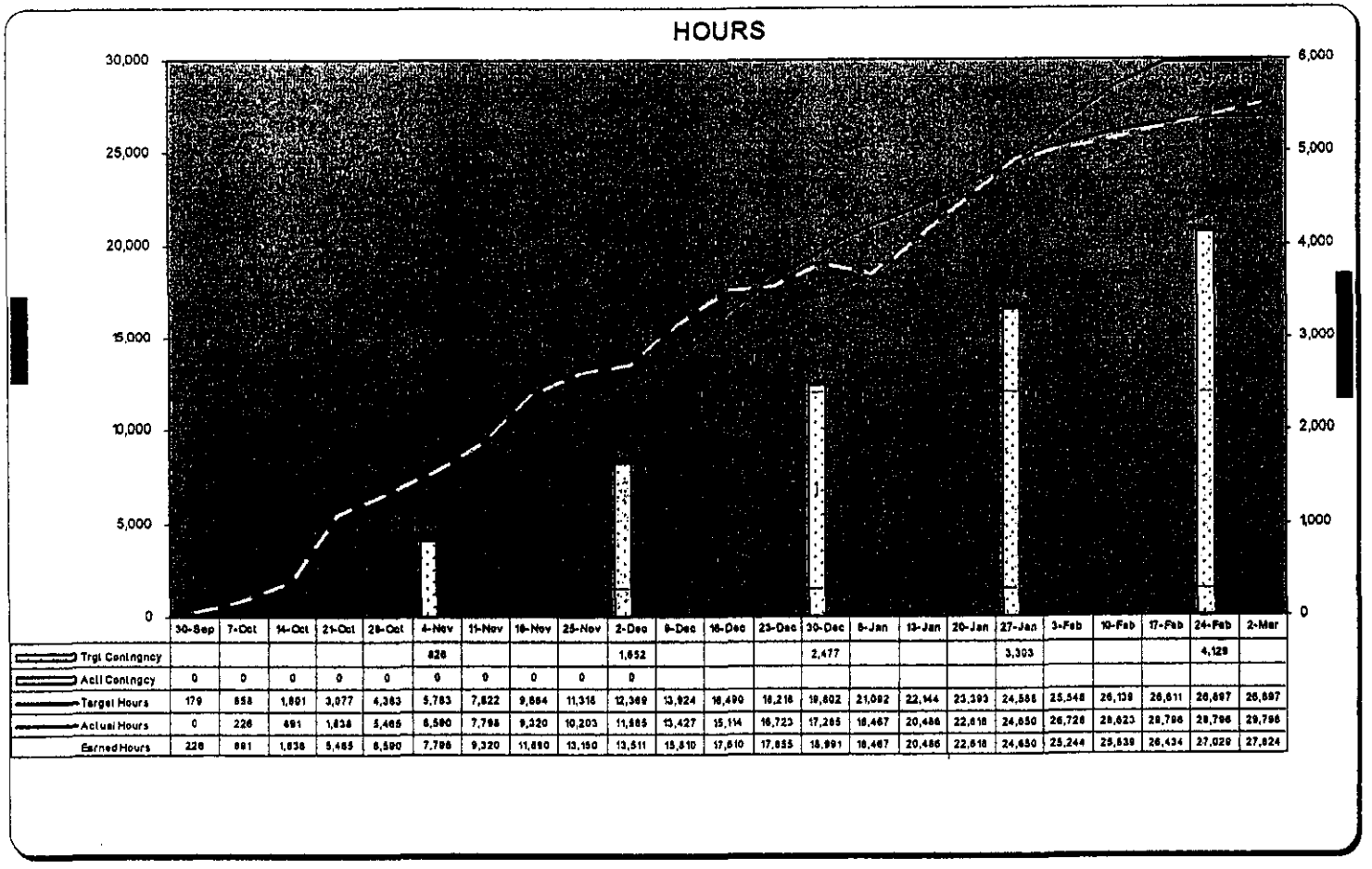
Task ID Description	Planned To Date	Earned To Date	Actual To Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	ETC or Completion Variance	EAC
	A	B	C	D=B-C	E=B-C	F	G	H=F+G	I	J=C+I
Engineering										
99020 Engineering Management										
Hours	3,131	3,131	2,719			3,131		3,131	-412	2,719
Dollars $					Redacted					
99090 Licensing										
Hours	174	174	336			174		174	162	336
Dollars $					Redacted					
9899 Price Finalization - Systems										
Hours	5,000	5,000	9,178			5,000		5,000	4,178	9,178
Dollars $					Redacted					
9899B Price Finalization - Bldg, Yards, Roads										
Hours	6,400	6,400	5,734			6,400		6,400	-666	5,734
Dollars $					Redacted					
99502 Travel Expenses - Engineering										
Dollars $					Redacted					
SUBTOTAL Engineering										
Hours	14,705	14,705	17,966			14,705		14,705	3,261	17,966
Dollars $					Redacted					
Geotechnical										
94255 Geotechnical Studies										
Hours	1,315	1,315	488			1,315		1,315	-827	488
Dollars $					Redacted					
99503 Travel Expenses - Geotechnical										
Dollars $					Redacted					
SUBTOTAL Geotechnical										
Hours	1,315	1,315	488			1,315		1,315	-827	488
Dollars $					Redacted					
TOTAL										
Hours	27,623	27,623	29,796			27,623		27,623	2,173	29,796
Dollars $					Redacted					

The Work Authorization value for this scope is $3,678,169. The work authorization value is allocated to the Tasks as shown in the table above along with the budgeted versus actual. The difference between the Estimated at Completion (EAC) and the total authorized amount for this task projects a significant under run at completion. This WA will remain open pending final receipt of travel and subcontractor invoices.

(Continue on next page)

CONFIDENTIAL

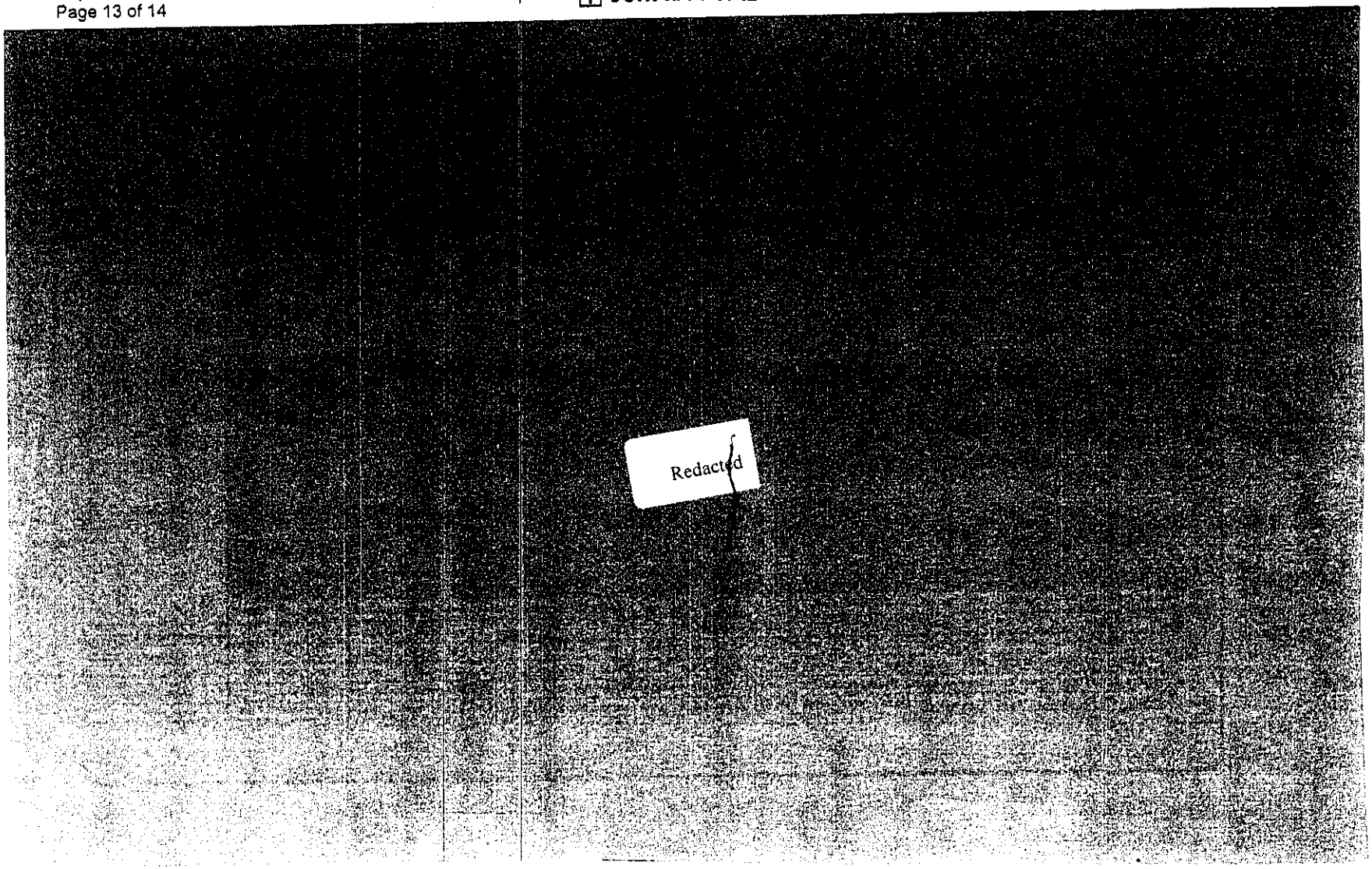
CPI = 1.00 / SPI = 1.07



	30-Sep	7-Oct	14-Oct	21-Oct	28-Oct	4-Nov	11-Nov	18-Nov	25-Nov	2-Dec	9-Dec	16-Dec	23-Dec	30-Dec	6-Jan	13-Jan	20-Jan	27-Jan	3-Feb	10-Feb	17-Feb	24-Feb	2-Mar
Trgt Contingncy						826				1,652				2,477				3,303				4,129	
Actl Contingcy	0	0	0	0	0	0	0	0	0	0													
Target Hours	179	858	1,801	3,077	4,383	5,783	7,822	9,864	11,316	12,369	13,924	16,490	16,218	19,802	21,092	22,144	23,393	24,566	25,548	26,139	26,611	26,897	26,897
Actual Hours	0	226	691	1,838	5,465	6,590	7,795	9,320	10,203	11,585	13,427	15,114	16,723	17,265	18,467	20,486	22,618	24,650	26,726	28,623	28,796	28,796	29,796
Earned Hours	226	691	1,838	5,465	6,590	7,795	9,320	11,690	13,150	13,511	15,810	17,610	17,855	18,991	18,467	20,486	22,618	24,650	25,244	25,639	26,434	27,029	27,824

CONFIDENTIAL

March 13, 2008



CONFIDENTIAL

Billing Status

As of the date of this report, four (4) invoices for Progress Work Authorization 01 for a total billed amount of Redacted were issued. All invoices have been paid.

Six (6) invoices for Progress Work Authorization 02 that total Redacted (including a revised invoice for September 2007 effort) have been issued. A total of has been paid. The December 2007 invoice has processed and is pending delivery to Progress.

REDACTED

Redacted Redacted

Three (3) invoices for Work Authorization 04 that total have been issued. A total of has been paid (revised invoice for September 2007 effort re-issued February 1, 2008 is paid). Invoices for October and November have been submitted and are pending payment. The December 2007 invoice has processed and is pending delivery to Progress.

Action Items

None.

Attachments

- Levy Cola Review Schedule.

4 PAGES

CONFIDENTIAL

Report No. PEF-R-000002

June 10, 2007

CONFIDENTIAL

SHAW STONE & WEBSTER JUNE 2007 REPORT

Report No. PEF-R-000002

PROGRESS ENERGY LEVY 1&2 NUCLEAR UNITS PHASE 1A

Shaw® Stone & Webster, Inc.

Project Overview

This is the Levy 1&2 June 2007 monthly report to Progress Energy's Work Authorization No. 300968-02. This phase of the project is referred to as "Phase 1A" and is schedule for a period of seventeen (17) weeks from the execution date of the referenced work authorization. The period of performance associated with this report is from June 05, 2007, to June 30, 2007.

Phase 1A – activities have focused on:

- Preparing and issuing a resource loaded schedule for Phase 1A work
- Preparing a preliminary level 3 schedule for Phase 1 work
- Preparing task plans for the work evolved with Phase-1
- Project Execution Plan, Project QA Plan and Project Control Manual
- Review of internal site roads including parking
- Preparing Project Conceptual Design Package Procedure

Safety

There were ZERO recordable, first aid and lost-time injuries for the 1,582 hours worked during the report period. (includes all Shaw Stone and Webster personnel on the Progress Levy 1&2 project)

Quality

There were ZERO corrective action reports issued during this reporting period.

Schedule Performance CONFIDENTIAL

The Phase 1A schedule was delivered to Progress Energy on June 27, 2007 as a deliverable per the associated work authorization. Schedule performance metrics for this period are ineffective as the schedule only covered 3 days of said period. However, SSW utilized an internal schedule for this period as a mechanism to ensure future deliverables and milestones would be achieved.

Schedule performance to this un-issued schedule demonstrated a 43% fidelity rate with respect to task accomplishment and person utilization. This lower than expected rate is presently being addressed and will be further analyzed by utilizing earn valued management (EVM) methods directed to the delivered schedule above.

Monthly Highlights

To date, two (2) deliverables have been conveyed to Progress Energy, they are:

1) A Resource Loaded Schedule for Phase 1A Work.

2) An Accrual Report for the Month of June 2007.

No other deliverables were scheduled for this reporting period.

Barbara Taylor has been hired as the Administrative Assistant for the Levy project. She reported to Charlotte for indoctrination and to attend the industry work shop on document control. She will report to the Raleigh office.

Work is ongoing with the railroad layout on site for accessing the Turbine Building and the Rad Waste Building. Work is ongoing for the site construction power layout and substation location. Work is ongoing for the intake structure, blowdown line layout, and the CWS pump location and routing.

SSW personnel are preparing for the trip during the first week of July to the Levy site. Personnel from IT, Geotechnical, ES&H, and construction are planning on making the trip. In addition, Jim Neville, Progress Energy, will be accompanying us on this trip. This trip will be to familiarize everyone with the Levy site, canal, and access roads. The information gathered by all will be used to finalize Task 5 report and in planning and development of Task 9 and 10 reports of Phase 1A.

The following restraints listed in the Phase 1A schedule have not been satisfied and need to be addressed:

1) JVT to provide COL write-ups on Security system and Security interface for review
2) JVT to provide COL write-ups for RWS, CWS, WWS, DRS for P&IDs and I/O Lists

3) Progress Energy (with JVT) to provide final general arrangement plot plan for site layout development (parking, access roads, site rail access, construction facilities locations, helicopter pad, buried piping, security checkpoints [construction and permanent], etc.)
4) Progress Energy input / requirements on permanent site buildings (DOR needed to finalize list but may include Office/Admin Building; Maintenance Shops; Training Center / Simulator facility; warehouses; firehouse; other buildings as desired by the client)
5) Awaiting electronic access to COLA boring logs and test data (scheduled start on 7/10/07)
6) Awaiting access to draft ER Chapter 1 for review (scheduled start on 7/10/07)
7) Awaiting access to draft material for FSAR (Chapter 2) and ER for review (scheduled to start on 7/10/07)

Commercial/Budget Status

Redacted

The Work Authorization valve for this work was [redacted] for 18,030 man hours. The work authorization value allocated to the Tasks will be shown in future monthly status reports. Present man-hour usage for this reporting period is 1,581 man-hours.

Billing Status

WA No.	Invoice Number	Invoice Date	Amount	Paid Date
1	107726	05/14/07	[redacted]	06/13/07
1	108067	06/08/07		

Redacted

Areas of Concern

- The restraints listed above and in the Phase 1A schedule need to be addressed in a timely manner.
- Schedule adherence must be emphasized and maintained, several tools are being employed to ensure future success.

Action Items

There are presently no action items.

CONFIDENTIAL

Shaw® Stone & Webster, Inc.

PROJECT STATUS REPORT

NOVEMBER 2007

REPORT No. PEF – R- 000006

PROGRESS ENERGY LEVY 1 & 2 PHASE 1A

PROGRESS ENERGY LEVY 1 & 2 PRICE FINALIZATION

REDACTED

CONTRACT No. 300968

DECEMBER 10, 2007

Progress Energy

AP1000

CONFIDENTIAL

Project Overview

This status report covers Progress Energy (PE) authorized work under Contract No. 300968 during October 29 – December 2, 2007. During this period, efforts were provided for Work Authorization 300968-02 Levy Units 1 & 2 Phase 1A, including start of SSW early permitting support associated with required "pre-construction" activities, REDACTED , and Work Authorization 300968-04 Levy Units 1 & 2, Phase 1A Extension, Price Finalization Cost Estimate and Schedule Work Activities.

Levy Units 1 & 2, Phase 1A (Work Authorization 02) activities planned and in process are included below. Due to re-direction of efforts and resources to the Price Finalization effort, the schedule for these activities has been extended beyond its original October 5, 2007 completion date. Further schedule extension is anticipated to capture work activities related to SSW early permitting support associated with required "pre-construction" activities.

- Phase 1 Cost Estimate and Schedule
- Conceptual Design Packages for Site Specific Systems
- Conceptual Design Packages and/or Conceptual Design Sketches for Site Specific Facilities.
- Geotechnical Studies and Evaluations
- Regional Infrastructure Assessment.
- Preliminary Project Specific Construction Plan.
- Evaluation of Temporary to Permanent Buildings Conversion.
- *Site Specific Procurement Plan and Early Vendor Commitments.*
- Early Permitting Support

REDACTED

Levy Units 1 & 2, Phase 1A Extension, Price Finalization (Work Authorization 04) consists of activities related to site specific buildings, systems and components, and studies and evaluations (transportation studies, craft surveys, etc.) to determine the cost impact of the site region on the overall plant cost. Authorization extends to development of Conceptual Design Packages (CDPs), Preliminary Conceptual Design Reports (CDRs) for all Permanent and Temporary Site Specific Systems and Structures, Geotechnical and Environmental initiatives supporting site development, pre-construction planning efforts and activities related to Project Management, Administration, Document Control, QA/QC, Project Controls, Cost Estimating, Procurement and Licensing support for this work.

Approved Project Change Request #75, documents the impact on Work Authorization 02 caused by the re-direction of efforts and resources to support the Price Finalization work activities. The impact is limited to a change in the Levy 1 & 2 Phase 1A schedule and has no impact on financial and contract considerations. The current revised completion date for deferred activities is December 18, 2007.

On November 8, 2007 Progress Energy issued Letter of Intent (LOI) No. NPD-SSW-2007 - 044 to SSW authorizing start of SSW support activities associated with Levy Nuclear Plant Early Permitting. These activities are specifically to support Early Permitting of the Barge Slip, Heavy Haul Road and Bridge, Pipeline Corridor, Site Access Roads, Railway Spur, and Transmission Corridor. A cost and schedule impact evaluation of this LOI on Work Authorization 02 is in progress.

REDACTED

CONFIDENTIAL

Levy Units 1 & 2, Phase 1A Extension, Price Finalization Cost Estimate and Schedule Work Activities commenced on September 14, 2007 and will be completed February 14, 2008.

Safety

There were no first aid and lost-time injuries for the 7,394 hours worked during this report period. (This includes all Shaw Stone & Webster personnel supporting the three current Work Authorizations and LOI). Except for one recordable injury (reported in the October Monthly Report), including the completed Work Authorization 01, the project has worked 30,905 cumulative hours with no other recordable, first aid and lost-time injuries under Contract No. 300968.

Quality

SSW received notification from Progress Energy that the Shaw Stone & Webster Charlotte Office location has been added to their Customer Qualified Suppliers List (QSL).

QA surveillances of project activities continue. Three (3) surveillances associated with Design Control, Indoctrination / Training, and Document Control were completed during this reporting period. Results of these surveillances are summarized below.

Design Control: Surveillance S-12489102-07-001 - The preparation and control of engineering deliverables were determined to be satisfactory. Governing procedures contain sufficient requirements to assure that quality is achieved. However, continued Management attention is needed in the following areas:

- Re-enforcing importance of procedure adherence to ensure tasks are performed correctly and consistently.
- Administrative errors within the body of the documents and inconsistencies related to document cover pages depicting different location names for the project and different versions of Shaw, Stone & Webster company name.

Indoctrination and Training: Surveillance S-12489102-07-002 – The timely development, communication, and implementation of project specific indoctrination and prerequisite training requirements were determined to be unsatisfactory. Although a draft Project Training Matrix has been developed and signed by the Project Manager and the Project Engineer, it has not been formally issued.

Document Control: Surveillance S-12489102-07-004

This surveillance found that, though the project procedures are being appropriately developed and controlled and the requirements within the Preparation, Issue and Control of Project Procedures (PP 2-1-0) are being met, several deficiencies regarding requirements imposed within the Document Control Procedure (PP 5-1-0) were recorded. It is noted, however, that Project Document Control (PDC) personnel corrected all the deficiencies during the surveillance period. A brief description of these deficiencies is listed below.

- Oversight of entering indices into Documentum® for each type of document.
- No distributing indices to personnel on controlled distribution list at least monthly as required.
- The indices were not posted in the e-room for personnel who do not have access to Documentum®.
- Not distributing controlled documents based on the pre-established quick flow.

Licensing

REDACTED

Other Licensing activities

- Attended NEI Construction Inspection Program Task Force ITAAC Closure Subgroup meeting on 11/08/2007
- Attended NEI/NRC Construction Inspection Program Task Force Assessment and Enforcement meetings on 11/28/2007
- Attended NEI/NRC New Plant Fitness for Duty meeting on 11/13/2007.
- Attended NEI/NRC Aircraft Impacts for New Nuclear Power Reactor Designs meeting on 11/14-15/2007.
- Daily processing of NRC news, OE, and publications for potential impact on the project.

Schedule Performance and Analysis

Levy 1 & 2 Phase 1A (Work Authorization 02)

Activities associated with Tasks 1, 3, 5, 7, and 10 have been completed and these Tasks have been closed. Salient remaining activities are associated with efforts to complete the Phase 1 scope descriptions, estimate, and schedule. These efforts continue generally on track for completion during the month of December 2007.

A cost and schedule impact evaluation of the Early Permitting LOI on Work Authorization 02 is in progress

REDACTED

Major Accomplishments this Report Period

Levy 1 & 2 Phase 1A – Work Authorization 02

Tasks 1, 3, 5, 7, and 10 have been completed and are closed.

Task 2 and Task 8

- Completed and issued Phase 1 Task Descriptions.
- Continue development of Phase 1 Cost Estimate and schedule

Task 3

- Resolved PE 'hold" on the Training Center / Simulator conceptual layout drawings and issued them for review
- Resolved PE comments and issued CDP on HVAC Design for Permanent Facilities
- Resolved PE comments and issue CDP on Waste Water System

Task 4

- Continued the Geotechnical Conceptual Design Evaluation (CDE) for Power Block and turbine Foundations
- Completed BOP Boring Location Plan.
- Completed the Phase 1A Environmental/Geotechnical Report.
- Resolved PE comments and updated the Construction Permit Matrix

Task 9

- Resolved PE comments and updated the Preliminary Construction Plan.

REDACTED

Levy 1 & 2 Phase 1A Extension – Price Finalization-Work Authorization 04

Project Management and Administration

- Three (3) QA surveillances were completed
- Project Controls, Document Control, Procurement, and Project Management support provided as required.

Engineering – Buildings and Yard Areas

- Completed conceptual design drawings activities for buildings/structures:
- Completed Component Technical Data Sheets activities for buildings /structures:
- Completed Material Take Off (MTO) activities for buildings/structures:

Engineering – Mechanical Systems

- Completed Preliminary P&IDs and Layout drawings for the Mechanical Systems
- Completed Component Technical data Sheets for the Mechanical Systems
- Completed MTOs and Technical Reports for the Mechanical Systems:

Engineering – Other Systems

- Completed conceptual design drawings for Electrical and I&C systems
- Completed MTOs and Technical Reports for Electrical and I&C systems

CONFIDENTIAL

Environmental/Geotechnical

- Updated Phase 1 Construction Permit Matrix
- Supported Inter-discipline Reviews for Building & Systems

Construction

- Updated Training Matrix
- Updated PF Estimate Matrix
- Supported Inter-discipline Reviews for Building & Systems
- Continued Review and update of
  - Construction Plans and Procedures
  - Building Foundation Plans
  - Construction Buildings and Facilities
  - Site Shipping and Traffic Logistic Studies

4-Week Look Ahead

Levy 1 & 2 Phase 1A –Work Authorization 02

Task 2 and Task 8

- Continue development of Phase 1 Cost Estimate and Schedule

Task 4

- Complete the Geotechnical Conceptual Design Evaluation (CDE) for Power Block and turbine Foundations
- Incorporate PE comments and Complete BOP Boring Location Plan.
- Complete Geotechnical input for preliminary Excavation Drawings

Task 9

- Finalize input to Phase 1 Schedule and estimate..

Levy 1 & 2 Phase 1A Extension – Price Finalization-Work Authorization 04

Project Management and Administration

- Update as required resource-loaded Schedule
- Continue Project Controls, Document Control, Procurement, Project Management and QA support as required

Engineering – Buildings and Yard Areas

- Complete Cost Book Write-ups and estimates for buildings /structures.

Engineering – Mechanical Systems

- Complete Cost Book Write-ups and estimates for Mechanical Systems

CONFIDENTIAL

Engineering – Other Systems

- Complete Cost Book Write-ups and estimates for Electrical and I&C Systems

Environmental / Geotechnical

- *Develop Consensus Conceptual Design Report for NI, TI, and T-pad Excavation and Foundations*
- Revise Boring Location Plan
- Scope and Estimate Site investigations
- Continue to Support Inter-discipline Reviews for Building & Systems

Construction

- Update PF Estimate Matrix as required
- Support Inter-discipline Reviews for Building & Systems
- *Complete Review and update of Construction Plans and Procedures:*
  - Building Foundation Plans
  - Construction Buildings and Facilities
  - Site Shipping and Traffic Logistic Studies
  - Crane Selection and Location
  - Develop Excavation and Backfill Plan
  - Investigate and Develop Ground Water Strategy
  - Develop Estimate Input for Construction Temporary Power

Licensing

Planned Activities for December

Levy 1& 2 Phase 1A – Work Authorization 02

- Provide Cost and Schedule impact evaluation to WA02 for implementation of Task 11 – Constructability review of COLA FSAR chapters and performance of OARs, as requested by PE.

REDACTED

Commercial/Budget Status

Levy 1 & 2 Phase 1A -Work Authorization 02 Redacted
The Work Authorization value for this scope is The work authorization value is allocated to the Tasks as shown in the table below along with the budgeted versus actual. Schedule has been re-based lined, per Change Order # 75. Present SSW internal projections show that the work will be completed for less than the budgeted amount. Total value includes, as Task 13, the Early Permitting Support activities authorized by LOI letter No. NPD-SSW-2007 – 044.

December 10, 2007

CONFIDENTIAL

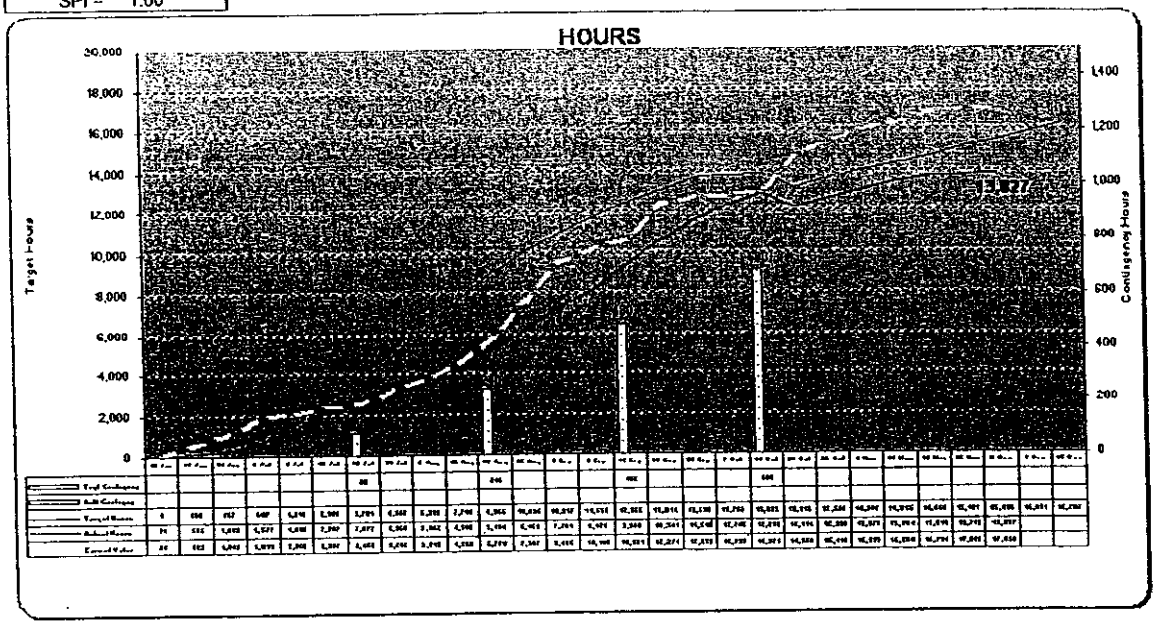
Authorization No. 300968-02
Project Status Through: 12/2/2007

Task ID / Description		Planned to Date	Earned to Date	Actual to Date	Schedule Variance	Cost Variance	Budget	Allocated	Total Authorized	Estimate to Complete	Estimate at Completion
		A	B	C	D = B - A	E = B - C	F	G	H = F + G	I	J = C + I
01	Project Management & Administration										
	Hours	2,764	2,764	2,468	0	296	2,458		2,458	0	2,468
	Dollars					Redacted					
02	Scope of Work and WBS										
	Hours	1,648	1,648	1,419	0	229	1,920		1,920	501	1,920
	Dollars					Redacted					
03	Preliminary Site Specific Engineering										
	Hours	5,292	5,292	5,292	0	1	5,292		5,292	0	5,292
	Dollars					Redacted					
04	AP1000 Envelope / Geotech Evaluations										
	Hours	1,394	1,394	1,097	0	298	1,200		1,200	103	1,200
	Dollars					Redacted					
05	Regional Infrastructure Part 1										
	Hours	1,352	1,352	826	0	526	826		826	0	826
	Dollars					Redacted					
06	Site Specific Procurement Plan Part 1										
	Hours	450	450	67	0	383	450		450	0	67
	Dollars					Redacted					
07	Early Procurement/Vendor Commitments										
	Hours	389	389	159	0	230	400		400	0	159
	Dollars					Redacted					
08	Preliminary Site Specific Schedule										
	Hours	496	496	242	0	255	2,240		2,240	1,999	2,240
	Dollars					Redacted					
09	Prelim Project Specific Construction Plan										
	Hours	1,673	1,673	1,475	0	198	2,100		2,100	25	1,500
	Dollars					Redacted					
10	Temporary Facilities / Permanent Conversion										
	Hours	657	657	556	0	102	640		640	0	556
	Dollars					Redacted					
12	Travel Expenses										
	Dollars					Redacted					
13	Early Permitting Support										
	Hours	229	229	229	0	0	900		900	672	900
	Dollars					Redacted					
TOTAL											
	Hours	16,343	16,343	13,827	0	2,516	18,426		18,426	3,299	17,127
	Dollars					Redacted					

CONFIDENTIAL December 10, 2007

Performance Graphs:

CPI =	1.18
SPI =	1.00



Redacted

CONFIDENTIAL

REDACTED

Levy 1 & 2 Phase 1A – Price Finalization - Work Authorization 04
The Work Authorization value for this scope is Redacted The work authorization value is allocated to the Tasks as shown in the table below along with the budgeted versus actual.

(Continue on next page)

CONFIDENTIAL

December 10, 2007

Authorization No. 300968-04
Project Status Through: 12/2/2007

Task ID	Task Description	Planned to Date	Earned to Date	Actual to Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	Estimate to Complete	Estimate at Completion
		A	B	C	D = B - A	E = B - C	F	G	H = F + G	I	J = C + I
Project Management											
99010	Project Management & Administration										
	Hours	415	415	415	0	0	1,395		1,395	980	1,395
	Budget $						Redacted				
99030	Procurement										
	Hours	28	28	28	0	0	873		873	845	873
	Budget $						Redacted				
99060	Document Controls										
	Hours	95	95	95	0	0	527		527	432	527
	Budget $						Redacted				
99070	QA										
	Hours	157	157	157	0	0	694		694	537	694
	Budget $						Redacted				
99080	Project Controls										
	Hours	373	373	373	0	0	1,919		1,919	1,547	1,919
	Budget $						Redacted				
99501	Travel - PROJECT MANAGEMENT										
	Budget $										
Subtotal Project Management											
	Hours	1,068	1,068	1,068	0	0	5,408		5,408	4,340	5,408
	Budget $						Redacted				
Construction											
99141	Site Dev. Interface w/Standard Plant										
	Hours	184	184	184	0	0	732		732	548	732
	Budget $						Redacted				
99142	Mgmnt. Processes, Procedures, etc.										
	Hours	1,135	1,135	1,135	0	0	2,701		2,701	1,566	2,701
	Budget $						Redacted				
99143	Excav/Fill, Retaining Wall, Lampson Pad										
	Hours	500	500	500	0	0	999		999	499	999
	Budget $						Redacted				
99144	Construction Bldg. & Facilities										
	Hours	800	765	863	(35)	(98)	830		830	(33)	830
	Budget $						Redacted				
99145	Mod/CV Mgmt Assembly & Laydown										
	Hours	348	349	127	3	222	803		803	676	803
	Budget $						Redacted				
99504	TRAVEL - CONSTRUCTION										
	Budget $										
Subtotal Construction											
	Hours	2,965	2,933	2,809	(32)	124	6,066		6,066	3,256	6,066
	Budget $						Redacted				
Engineering											
99020	Engineering Management										
	Hours	1,434	1,434	1,434	0	1	3,131		3,131	1,698	3,131
	Budget $						Redacted				
99090	Licensing										
	Hours	93	93	93	0	0	171		171	78	171
	Budget $						Redacted				
9899	PRICE FINALIZATION – SYSTEMS										
	Hours	1,985	2,500	2,710	515	(210)	4,970		4,970	2,260	4,970
	Budget $						Redacted				
91998	PRICE FINAL – BLD, YRDS, RDS, ETC.										
	Hours	4,016	4,613	3,340	597	1,273	8,341		8,341	3,001	8,341
	Budget $						Redacted				
99502	Travel - ENGINEERING										
	Budget $										
Subtotal Engineering											
	Hours	7,528	8,640	7,576	1,112	1,064	14,613		14,613	7,037	14,613
	Budget $						Redacted				
Geotechnical											
94255	Geotechnical Studies										
	Hours	360	490	112	130	379	812		812	701	812
	Budget $						Redacted				
99503	TRAVEL - GEOTECHNICAL										
	Budget $										
Subtotal Project Geotechnical											
	Hours	360	490	112	130	379	812		812	701	812
	Budget $						Redacted				

CONFIDENTIAL

December 10, 2007

Authorization No. 300968-04 -- CONTINUED
Project Status Through: 12/2/2007

		Planned to Date	Earned to Date	Actual to Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	Estimate to Complete	Estimate at Completion
TOTAL	PROGRESS ENERGY PHASE 1A EXTENSION -- PRICE FINALIZATION										
	Hours	11,921	13,131	11,665	1,210	1,566	26,898		26,898	15,334	26,898
	Budget $										

Redacted

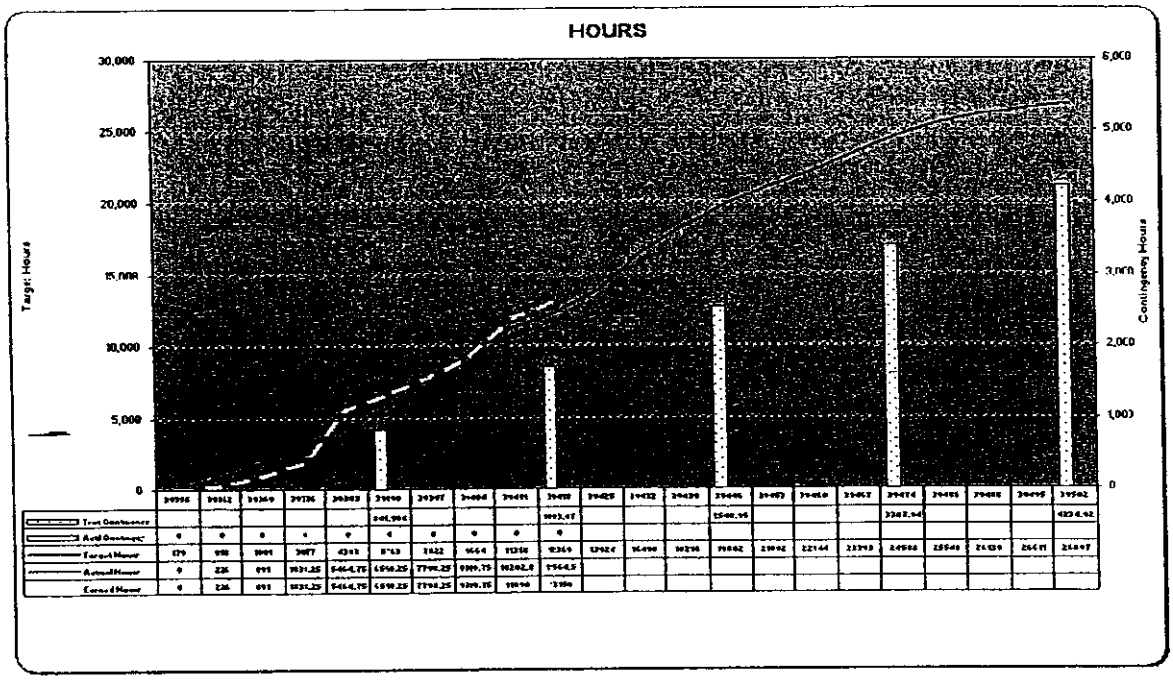
(Continue on next page)

CONFIDENTIAL

December 10, 2007

Performance Graphs:

CPI = 1.14
SPI = 1.00



CPI = 1.26
SPI = 1.00

[redacted]

Redacted

CONFIDENTIAL

Billing Status

As of the date of this report, four (4) invoices were issued on Progress Work Authorization 01 for a total billed amount of Redacted All invoices have been paid.

Four (4) invoices have been issued on Progress Work Authorization 02 that total Redacted A total of Redacted has been paid. .

REDACTED

One invoice has been issued for Work Authorization 04 that totals Redacted : issued December 5, 2007.

Action Items

Action Items List updated as of 12-04-2007 is attached.

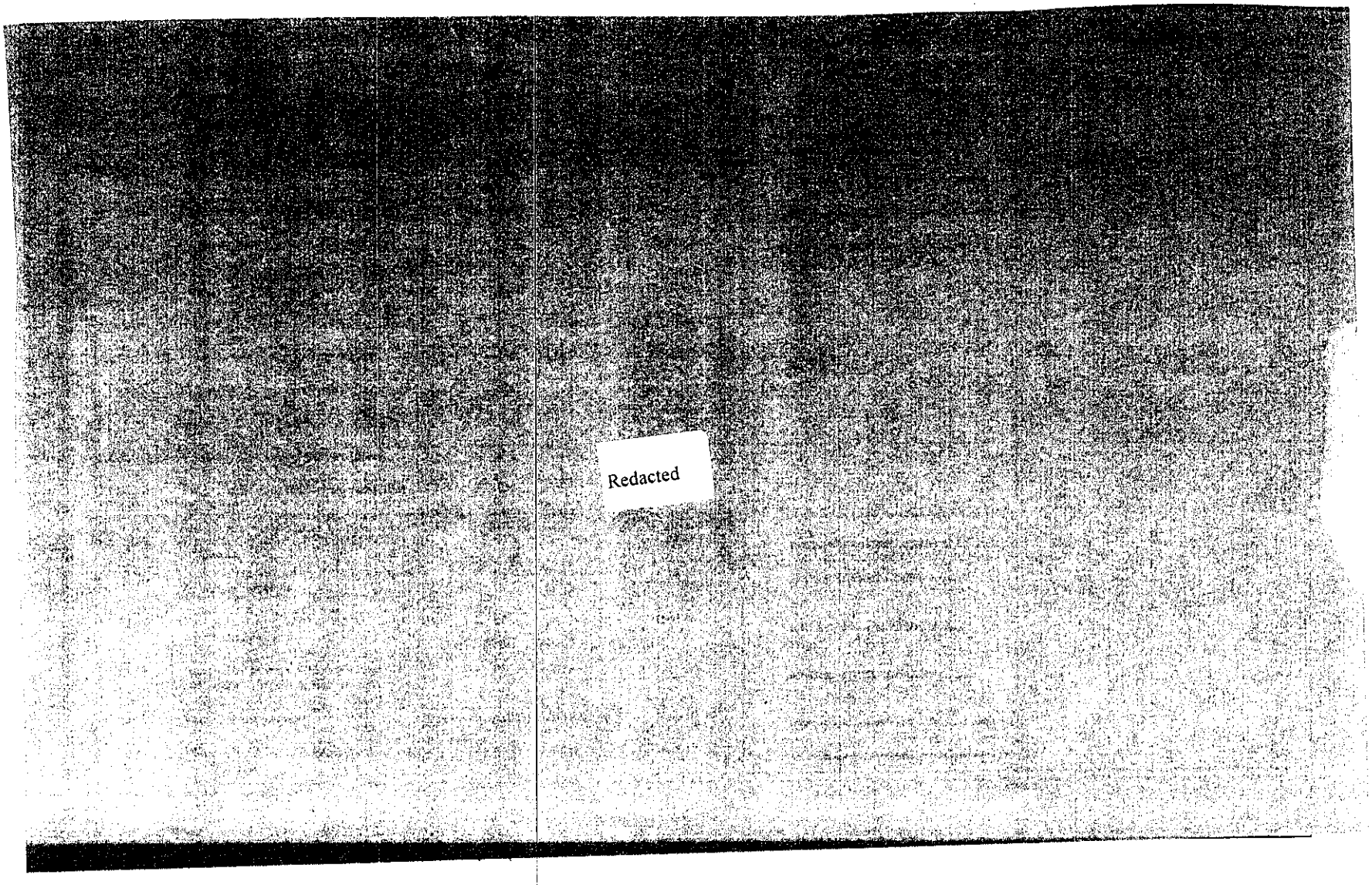
Attachments

- Progress Energy Phase 1A Levy 1 & 2 Schedule–Remaining Activities
- Progress Energy Levy 1 & 2 Price Finalization Schedule–All Activities
- Action Items List

CONFIDENTIAL

Price Finalization
Remaining Activities
(4 pages to follow)

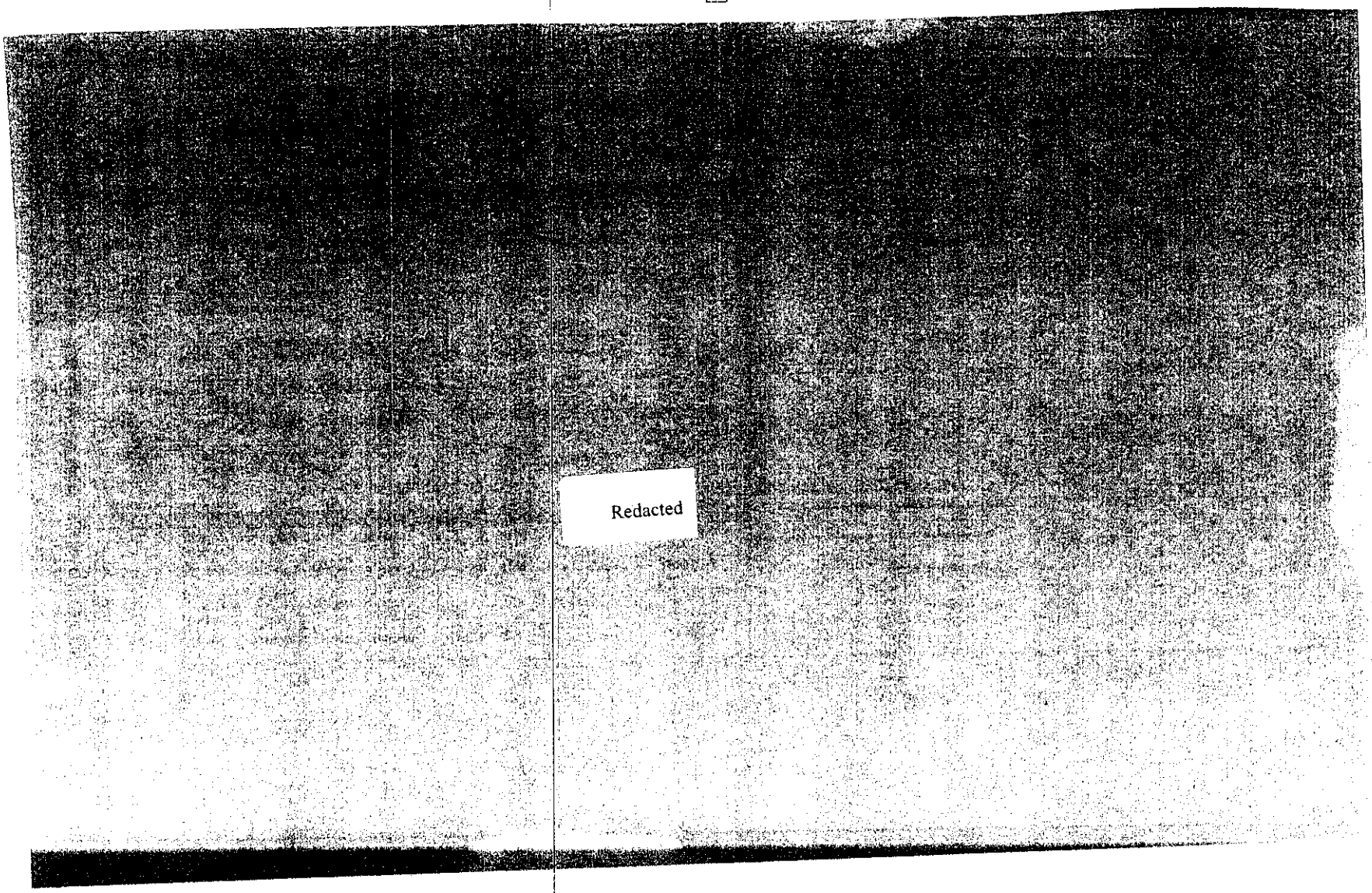
CONFIDENTIAL



2 PAGES

CONFIDENTIAL

CONFIDENTIAL



CONFIDENTIAL

Price Finalization
All Activities
(18 pages to follow)

18 PAGES

CONFIDENTIAL

CONFIDENTIAL

PROGRESS ENERGY - ACTION ITEM LIST

DATE: 12-04-2007

Item	Actions	Owner	Opened Date	Due Date	Status	Comments
001	Release Training Center Hold by Progress Energy.	PE	11/09	11/19	Completed 11/13	Training center will be a copy of SCANA with two Simulators
002	Progress Energy notification that the SSW Charlotte Office location has been officially incorporated into the Progress Energy QSL.	PE	10/10	11/30	Completed 11/13	Reference NUPIC Audit Report CQA2007-117. Debbie Doyle confirmed that the SSW Charlotte Office has been added to the PE QSL
003	Progress Energy authorization to proceed with Phase 1A Task 11 (COLA Review / Owner Review) for Levy 1 & 2.	Bob Kitchen	10/25	11/15	On Hold	To be done via a change order to WA02. SSW will submit Change Order/impact evaluation on 11/30. BK to provide COLA submittal schedule from the JVT and pertinent instructions defining expected extent/level of SSW review
004	REDACTED					
005	Early Permitting Change Order /impact evaluation	Carlos Fonseca	11/26	12/20	In progress	SSW requires the LOI expiration date to be extended to 12/15. Completion of Action item 006 is a pre-requisite to completing this item. LOI extension to 12/20 received 12/04
006	Assign DOR to the Early Permitting Tasks Matrix	Bob Kitchen	11/21	11//30		PE to schedule meeting with the JVT, CH2M HILL and SSW ASAP. Matrix sent to CH2M HILL for initial DOR assignment. BK to set up meeting to finalize it.
007	WLS Tie-in, Dilution and discharge to Outfall	Randy Whetsel	11/12	11//30		Requires meeting with Garry Miller. Randy to set up meeting
008	Storm water run-off / Cooling Tower Basin	Randy Whetsel	11/19	11//30		Requires meeting with Garry Miller. Randy to set up meeting
009	Circ. Water System Optimization	Randy Whetsel	11/13	11//30		Requires meeting with Garry Miller. Randy to set up meeting

CONFIDENTIAL

Progress Energy
Action Items
(2 pages to follow)

010	Confirm LWA Scope	Bob Kitchen	11/28	01/06/2008		
011	Develop Schedule for LWA to support submittal in July 2008	Bob Kitchen	11/28	01/10/2008		
012	HDPE pipe use justification report	Debbie Doyle	12/05	12/07		Need approval from PE
013	Training and Visitor's Centers	Debbie Doyle	12/05	12/07		Require guidance from PE regarding scope and price finalization responsibility
014	Emergency/Fire/Medical Rescue Center	Debbie Doyle	12/05	12/07		Require guidance from PE regarding scope and price finalization responsibility

New items/information are in red font

Shaw®
a world of Solutions™

CONFIDENTIAL

PROJECT STATUS REPORT

MARCH 2008

REPORT No. PEF – R– 000010

Progress Energy Levy 1 & 2 Phase 1A

Progress Energy Levy 1 & 2 Price Finalization

REDACTED

Progress Energy Levy 1 & 2 SCA & LWA Submittals

CONTRACT No. 300968

April 14, 2008

Progress Energy

AP1000

Project Overview

This status report covers Progress Energy's (PE) authorized work under Contract No. 300968 from March 3 to March 30, 2008. During this period, efforts were provided for REDACTED , Work Authorization 300968-02 Levy Units 1 & 2 Phase 1A, Task 11 Levy Cola Review, Work Authorization 300968-04 Levy Units 1 & 2, Phase 1A Extension, Price Finalization Cost Estimate and Schedule Work Activities and Work Authorization 300968 -06, Phase 1 Work Activities Required to Support SCA and LWA submittals.

A SSW proposal is in preparation and will be submitted during the first week of April 2008. This proposal will cover activities required to maintain the scheduled Commercial Operation Dates (CODs) of the two LNP units. This proposal will also include Phase 1 activities to support early permitting and construction of the Barge Slip, the heavy haul road bridge and heavy haul road up to the Highway 40 crossing. Also included are the Shaw Construction, Engineering and Estimating activities required to participate and support Progress Energy's initiative to identify, evaluate and disposition opportunities for Price reduction

Levy Units 1 & 2, Phase 1A (Work Authorization 02)

Tasks 1, 2, 3, 4, 5, 6, 7, 8, 9 10, 12 and 13 – No activity this reporting period. These tasks are completed and have been closed out.

Task 11 - Levy Nuclear Plant COLA Constructability and Owner's Acceptance Reviews - Consist of ongoing and as-required Owner's reviews of elements of, and inputs to, the COL Application

REDACTED

Levy Units 1 & 2, Phase 1A Extension, Price Finalization (Work Authorization 04) consists of activities related to site specific buildings, systems and components, and studies and evaluations (transportation studies, craft surveys, etc.) to determine the cost impact of the site region on the overall plant cost.

Levy Units 1 & 2, Phase 1A Extension, Price Finalization Cost Estimate and Schedule Work Activities commenced on September 14, 2007. The AP1000 Site Specific Price Book was submitted to PE, on schedule, February 14, 2008. An interim AP1000 Schedule, previously submitted, was also included with the Price Book. The Levy Plant Specific AP1000 Integrated Schedule was submitted on March 14, 2008.

Levy Units 1 & 2, Phase 1 Site Certification Application (SCA) and Limited Work Authorization (LWA) Submittals, (Work Authorization 06) consists of those activities necessary to support the Site Certification Application (SCA) and Limited Work Authorization (LWA) submittals. The Scope of Work, deliverables, assumptions, risks, and associated man-hours and costs are as described in Contractor's proposal letter SSWN-PEF-00129, dated March 13, 2008.These work activities commenced on February 11, 2008 and are schedule for completion on June 30, 2008

Safety

There were no first aid and lost-time injuries for the 7,737 hours worked during this report period. (This includes all Shaw Stone & Webster personnel supporting the all Work Authorizations). Except for one recordable injury (reported in the October Monthly Report), including the completed Work Authorizations, the project has worked 60,740 cumulative hours with no other recordable, first aid and lost-time injuries under Contract No. 300968.

Quality

QA performed two surveillances during this reporting period, as listed below. Surveillance reports are in preparation and will issued during April 2008

- Compliance with Indoctrination and Training processes and procedures
- Compliance with and implementation of procurement processes and procedures.

SSW QA and Westinghouse (WEC) QA have initiated preparation of nine (9) Project Procedures to address processes and requirements that will govern the interface of the two organizations operating as a consortium under the EPC contract.

QA support, however, continues with review of audit observations responses and closure.

QA support also continues during the preparation and issuance of the Project Training Matrix and revisions to Project MPPQP and other Project Procedures to include impact of additional work scope activities authorized by PE.

Licensing

Licensing continues with management and support of Constructability and Owner's (OARs) reviews as depicted below under WA02, Task 11 and WA03 Task 1102.

Licensing also to participate on Licensing related meetings and support of project activities , as listed below:

- Participated in NRC - NEI Construction Inspection Program Task Force meetings on 03/06-07/08.
- Attended NRC Regulatory Information Conference on 03/11-13/08.
- Contributed Chapter 4 "Schedule considerations for ITAAC-related activities and coordination to support NRC inspection planning" to NEI 08-01 "Industry Guideline for the ITAAC Closure Process under 10 CFR Part 52" for review and endorsement by NRC.
- Presented status of Consortium ITAAC activities to Builders Group QA Subgroup on 03/26/08.
- Monitored NEI New Plants Security and FFD Task Force activities.
- Processed and distributed Regulatory and Industry information for potential project impact.
- Prepared white paper on licensing considerations for containment spray feature of Fire Protection System design.
- Reviewed and commented on Design Change Proposal (DCP) 383 regarding nuclear island waterproofing design.
- Initiated review of DCD ITAACs for establishing owner assignments within Shaw Engineering to assure incorporation into design.

Performance and Analysis

Levy 1 & 2 Phase 1A (Work Authorization 02)

- **Tasks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and 12** have been completed and these Tasks have been closed. This completes all the original Phase 1A scope activities. Completion of this work was accomplished significantly under the authorized budget. Please refer to **Commercial/Budget Status** section below for details.

- **Task 11 - Levy Nuclear Plant COLA Constructability and Owner's Acceptance Reviews**

  Constructability reviews of selected Levy Nuclear Plant COLA chapters and Environmental Report (ER) exhibited little activity during this reporting period due to late receipt of the chapters scheduled to be reviewed.

  - COLA Chapters 2.4 and 2.5.3 were received on March 31. 2008 – 3 days and 1 week, respectively, behind schedule
  - ER Chapters 2 was received on March 27, 2008, - 2+ weeks behind schedule.
  - ER Chapter 4 was received on April 1, 2008 – 3 weeks behind schedule

  The schedule has been updated to reflect above. Updated schedule still holds completion of this task to the original April 23, 2008 completion date. Timely receipt of remaining chapters is essential to complete this task as originally planned.

REDACTED

Levy 1 & 2 Phase 1A Extension, Price Finalization (Work Authorization 04)

- Levy Units 1 & 2, Phase 1A Extension, Price Finalization Cost Estimate and Schedule Work Activities commenced on September 14, 2007. The AP1000 Site Specific Price Book was submitted to PE, on schedule, February 14, 2008. An interim AP1000 Schedule, previously submitted, was also included with the Price Book. The Levy Plant Specific AP1000 Integrated Schedule was submitted on March 14, 2008. With this submittal all authorized activities have been completed, and this WA will be closed out.

Completion of this work was accomplished significantly under the authorized budget. Please refer to **Commercial/Budget Status** section below for details.

Levy Units 1 & 2, Phase 1 Site Certification Application (SCA) and Limited Work Authorization (LWA) Submittals, (Work Authorization 06)

Activities necessary to support the Site Certification Application (SCA) and Limited Work Authorization (LWA) submittals commenced on February 11, 2008 and are schedule for completion on June 30, 2008. Pending receipt of WA06,These activities were previously reported and tracked under WA02 Task 13. Re-alignment to WA06 has been completed. A schedule specific to these task has been developed and it is attached to this report. All activities are tracking well to this schedule. Particular emphasis has been placed to support the CH2M HILL line item schedule.

Major Accomplishments this Report Period

Levy 1 & 2 Phase 1A – Work Authorization 02

Task 11 – Levy COLA Constructability Reviews and Owner/Technical Reviews

- Received and Initiated COLA constructability review of ER Chapters 2 and 4.
- Updated COLA constructability review schedule. Updated schedule is included as an attachment to this report

REDACTED

Levy 1 & 2 Phase 1A Extension – Price Finalization-Work Authorization 04

Project Management and Administration

- Completed development of integrated schedule. Schedule development completed as a collaborative effort with Westinghouse. Integrated schedule issued to PE on March 14, 2008

Levy Units 1 & 2, Phase 1 Site Certification Application (SCA) and Limited Work Authorization (LWA) Submittals, (Work Authorization 06)

- Activities necessary to support the Site Certification Application (SCA) and Limited Work Authorization (LWA) submittals commenced on February 11, 2008 and are schedule for completion on June 30, 2008. Pending receipt of WA06, these activities were previously reported and tracked under WA02 Task 13. Re-alignment to WA06 has been completed. A schedule specific to these task has been developed and it is attached to this report. All activities are tracking well to this schedule. Particular emphasis has been placed to support the CH2M HILL line item schedule.
- Continued Dewatering well drilling and testing. Unit 2 Dewatering well has been revised to reflect direction from PE regarding the need for a deeper well (to a depth of 225 ft). This change was requested by the JVT/Rizzo, and approved by PE. Additional cost will be reflected in a Change Order/Impact Evaluation to this WA upon completion of the drilling and testing

CONFIDENTIAL

4-Week Look Ahead

Levy 1 & 2 Phase 1A –Work Authorization 02

Task 11- Levy COLA Reviews

- Complete COLA constructability and Owner/Technical Reviews as received from PE.

Levy Units 1 & 2, Phase 1 Site Certification Application (SCA) and Limited Work Authorization (LWA) Submittals, (Work Authorization 06)

Project Management and Administration

- Continue tracking and update of the WA06 schedule.
- Support tracking and expedite support to the CH2M HILL line item schedule.
- Submit proposal to maintain the Levy 1 & 2 units CO Dates

Engineering –Systems

- Continue preparation of designated Mecahanical, Electrical and Civil/Structural systems SSDs, including P&IDs and required calculations, as schedule.

Engineering –Civil/Structural Facilities

- Continue development of required Environmental Resource Permit evaluations, drawings, calculations and maps required to support the CH2M HILL line item schedule.
-

Environmental / Geotechnical

- Continue development of required Environmental Resource Permit evaluations, drawings, calculations and maps required to support the CH2M HILL line item schedule.
- Complete Dewatering well drilling and testing and start preparation of Test Report
- Complete ESSOWs for the BOP Geotechnical Site Investigation, including Surveys, Teats Borings, In-Situ Testing and Laboratory Testing.

Construction

- Continue development of required Environmental Resource Permit inputs required to support the CH2M HILL line item schedule.
- Continue support of the Dewatering well drilling and testing
- Support development and completion of ESSOWs for the BOP Geotechnical Site Investigation, including Surveys, Teats Borings, In-Situ Testing and Laboratory Testing.
- Continue Design Engineering support

CONFIDENTIAL

Commercial/Budget Status

Levy 1 & 2 Phase 1A -Work Authorization 02

The Work Authorization value for this scope is Redacted The work authorization value is allocated to the Tasks as shown in the table below along with the budgeted versus actual. Total value includes Task 11 COLA Support which was authorized by Impact Evaluation #91 and Task 13 Early Permitting Support which was authorized by Progress Energy via LOI Letter No. NPD-SSW-2007 – 044.

With the exception of Task 11, all original Work Authorization 02 tasks have been completed. As summarized below, the difference between the "Estimated at Completion" Value and the "Total Authorized" value represent a significant under run.

(Continue on next page)

CONFIDENTIAL

APRIL14, 2008

Authorization No. 300968-02 - Levy 1 & 2 Phase 1A -Work Authorization 02
Project Status Through: April 1, 2008 including Task 13 Status illustrated ONLY through February 10, 2008.

Task ID Description	Planned To Date	Earned To Date	Actual To Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	ETC or Completion Variance	EAC
	A	B	C	D=B-C	E=B-C	F	G	H=F+G	I	J
01 Project Management & Administration										
Hours	2,458	2,458	2,468	0	-10	2,458		2,458	10	2,468
Dollars $					Redacted					
02 Scope of Work and WBS										
Hours	1,920	1,920	1,583	0	377	1,920		1,920	-337	1,583
Dollars $					Redacted					
03 Preliminary Site Specific Engineering										
Hours	5,262	5,262	5,292	0	-30	5,262		5,262	30	5,292
Dollars $					Redacted					
04 AP1000 Envelope/Geotechnical Evaluation										
Hours	1,200	1,200	1,148	0	52	1,200		1,200	-52	1,148
Dollars $					Redacted					
05 Regional Infrastructure Part 1										
Hours	1,360	1,360	826	0	534	1,360		1,360	-534	826
Dollars $					Redacted					
06 Site Specific Procurement Plan Part 1										
Hours	450	450	67	0	383	450		450	-383	67
Dollars $					Redacted					
07 Early procurement/Vendor Commitments										
Hours	400	400	159	0	242	400		400	-242	159
Dollars $					Redacted					
08 Preliminary Site Specific Schedule										
Hours	2,240	2,240	589	0	1,651	2,240		2,240	-1,651	589
Dollars $		$247.27			Redacted					
09 Preliminary Project Specific Construction Plan										
Hours	2,100	2,100	1,475	0	625	2,100		2,100	-625	1,475
Dollars $					Redacted					
10 Temporary Facilities/Permanent Conversion										
Hours	640	640	556	0	85	640		640	-85	556
Dollars $					Redacted					
11 COLA Support										
Hours	201	201	219	0	0	1,050		1,050	831	1,050
Dollars $							Redacted			
					Change Order/Impact Evaluation # 91 (Note 1)					Redacted
12 Travel Expenses										
Dollars $					Redacted					
13 Early Permitting Support - LOI										
Hours	900	900	2,525	0	-1,625	900		900	1,625	2,525
Dollars $					Redacted					
TOTAL										
Hours	19,131	19,131	16,907	0	2,284	19,980		19,980	-2,242	17,738
Dollars$					Redacted					

Note 1: Task 11 is funded from available contingency, per approved Change Order/Impact Evaluation # 91

CONFIDENTIAL

REDACTED

CONFIDENTIAL

APRIL14, 2008

Levy 1 & 2 Phase 1A – Price Finalization - Work Authorization 04

Authorization No. 300968-04
Project Status Through: April 1, 2008

Task ID Description	Planned To Date	Earned To Date	Actual To Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	ETC or Completion Variance	EAC
	A	B	C	D=B-C	E=B-C	F	G	H=F+G	I	J=C+I
Project Management & Administration										
99010 - Project Management & Administration										
Hours	1,395	1,395	1,629	0	0	1,395		1,395	234	1,629
Dollars $					Redacted					
99030 Procurement										
Hours	871	871	351	0	0	871		871	-521	351
Dollars $					Redacted					
99035 Subcontract Administration										
Hours	0	0	42	0	0	0		0	42	42
Dollars $					Redacted					
99060 Document Controls										
Hours	523	523	336	0	0	523		523	-187	336
Dollars $					Redacted					
99070 Quality Assurance										
Hours	697	697	655	0	0	697		697	-42	655
Dollars $					Redacted					
99080 Project Controls										
Hours	1,917	1,917	1,952	0	0	1,917		1,917	35	1,952
Dollars $					Redacted					
99501 Travel Expenses - Project Management										
Dollars $					Redacted					
SUBTOTAL Project Management										
Hours	5,403	5,403	4,964	0	0	5,403		5,403	-439	4,964
Dollars $					Redacted					
Construction										
99141 Site Development Interface										
Hours	800	800	918	0	0	800		800	118	918
Dollars $					Redacted					
99142 Management Processes, Procedures, etc.										
Hours	2,700	2,700	2,912	0	0	2,700		2,700	212	2,912
Dollars $					Redacted					
99143 Excav / Fill, Retaining Wall, Lamoson Pad										
Hours	1,000	1,000	937	0	0	1,000		1,000	-63	937
Dollars $					Redacted					
99144 Construction Buildings & Facilities										
Hours	900	900	943	0	0	900		900	43	943
Dollars $					Redacted					
99145 Mod / Cv Mgmt Assembly & Laydown										
Hours	800	800	668	0	0	800		800	-132	668
Dollars $					Redacted					
99504 Travel Expenses - Construction										
Dollars $					Redacted					
SUBTOTAL Construction										
Hours	6,200	6,200	6,378			6,200		6,200	178	6,378
Dollars $					Redacted					

Authorization No. 300968-04
Project Status Through: April 1, 2008 Continued from Previous Page

Task ID Description	Planned To Date	Earned To Date	Actual To Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	ETC or Completion Variance	EAC
	A	B	C	D=B-C	E=B-C	F	G	H=F+G	I	J=C+I
Engineering										
99020 Engineering Management										
Hours	3,131	3,131	2,719			3,131		3,131	-412	2,719
Dollars $					Redacted					
99090 Licensing										
Hours	174	174	336			174		174	162	336
Dollars $					Redacted					
98998 Price Finalization - Systems										
Hours	5,000	5,000	9,175			5,000		5,000	4,178	9,175
Dollars $					Redacted					
98998 Price Finalization - Bldg, Yards, Roads										
Hours	6,400	6,400	5,737			6,400		6,400	-663	5,737
Dollars $					Redacted					
99502 Travel Expenses - Engineering										
Dollars $					Redacted					
SUBTOTAL Engineering										
Hours	14,705	14,705	17,966			14,705		14,705	-3,261	17,966
Dollars $					Redacted					
Geotechnical										
94255 Geotechnical Studies										
Hours	1,315	1,315	488			1,315		1,315	-827	488
Dollars $					Redacted					
99503 Travel Expenses - Geotechnical										
Dollars $					Redacted					
SUBTOTAL Geotechnical										
Hours	1,315	1,315	488			1,315		1,315	-827	488
Dollars $					Redacted					
TOTAL										
Hours	27,623	27,623	29,796			27,623		27,623	2,173	29,796
Dollars $					Redacted					

The Work Authorization value for this scope is Redacted The work authorization value is allocated to the Tasks as shown in the table above along with the budgeted versus actual. The difference between the Estimated at Completion (EAC) and the total authorized amount for this task reflects a significant under run at completion.

CONFIDENTIAL

Levy Units 1 & 2, Phase 1 Site Certification Application (SCA) and Limited Work Authorization (LWA) Submittals, (Work Authorization 06)
Authorization No. 300968-06
Project Status Through: April 1, 2008

Task ID Description	Planned To Date	Earned To Date	Actual To Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	ETC or Completion Variance	EAC
	A	B	C	D=B-A	E=B-C	F	G	H=F+G	I	J=C+I
Project Management										
99010 Project Management & Administration										
Hours	449	632	632	183	0	1,305		1,305	0	1,305
Dollars $					Redacted					
99030 Procurement										
Hours	150	371	371	221	0	435		435	0	435
Dollars $					Redacted					
99060 Document Controls										
Hours	190	14	14	-177	0	550		550	0	550
Dollars $					Redacted					
99070 Quality Assurance										
Hours	190	249	249	59	0	545		545	0	545
Dollars $					Redacted					
99080 Project Controls										
Hours	748	1,415	1,415	667	0	2,175		2,175	0	2,175
Dollars $					Redacted					
99501 Travel – Project Management										
Dollars $					Redacted					
Subtotal – Project Management										
Hours	1,727	2,681	2,681	953	0	5,010		5,010	0	5,010
Dollars $					Redacted					
Engineering Management										
99020 Engineering Management										
Hours	591	850	850	259	0	1,720		1,720	0	1,720
Dollars $					Redacted					
99090 Licensing										
Hours	40	105	105	65	0	109		109	0	109
Dollars $					Redacted					
99502 Travel – Engineering Management										
Dollars $					Redacted					
Subtotal – Engineering Management										
Hours	631	955	955	324	0	1,829		1,829	0	1,829
Dollars $					Redacted					
Construction – SCA										
99141 Standard Plant Construction Bldg Sequence										
Hours	515	985	985	470	0	1,500		1,500	0	1,500
Dollars $					Redacted					
99142 Management Processes, Procedures, etc.										
Hours	62	885	885	823	0	180		180	0	180
Dollars $					Redacted					

CONFIDENTIAL

APRIL14, 2008

Task ID Description	Planned To Date	Earned To Date	Actual To Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	ETC or Completion Variance	EAC
	A	B	C	D=B-A	E=B-C	F	G	H=F+G	I	J=C+I
99143SCA Excav/Fill, Retaining Wall, Lampson Pad										
Hours	203	177	177	-26	0	590		590	0	590
Dollars $	[redacted]									
99144 Construction Bldg & Facilities										
Hours	41	384	384	343	0	120		120	0	120
Dollars $	[redacted]									
99145 Mod/CV Mgmt Assembly & Laydown										
Hours	261	264	264	3		760		760	0	760
Dollars $	[redacted]									
99146 Underground Sys & Utilities										
Hours	261	0	0	-261	0	760		760	0	760
Dollars $	[redacted]									
99148 Support of Engineering Design										
Hours	522	0	0	-522	0	1,520		1,520	0	1,520
Dollars $	[redacted]									
99151 Roads, HH Roads, Parking Lots, RR, etc.										
Hours	196	0	0	-196	0	570		570	0	570
Dollars $	[redacted]									
99503SCA Travel - Construction										
Dollars $	[redacted]									
Subtotal Construction										
Hours	2,060	2,695	2,695	634	0	6,000		6,000	0	6,000
Dollars $	[redacted]									
Engineering – SCA										
CWS – Circulating Water System										
Hours	302	183	183	-119	0	1,554		1,554	0	1,554
Dollars $	[redacted]									
DRS – Storm Drain System										
Hours	435	1,793	1,793	1,358	0	2,700		2,700	0	2,700
Dollars $	[redacted]									
ECS – Power Distribution System										
Hours	259	659	659	440	0	970		970	0	970
Dollars $	[redacted]									
EGS – Grounding & Lightning Protection System										
Hours	143	62	62	-81	0	180		180	0	180
Dollars $	[redacted]									
PWS – Potable Water System										
Hours	647	405	405	-242	0	1,129		1,129	0	1,129
Dollars $	[redacted]									
RWS – Raw Water System										
Hours	772	217	217	-555	0	1,656		1,656	0	1,656
Dollars $	[redacted]									

Redacted

CONFIDENTIAL

Task ID Description	Planned To Date	Earned To Date	Actual To Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	ETC or Completion Variance	EAC
:	A	B	C	D=B-A	E=B-C	F	G	H=F+G	I	J=C+I
SDS – Sanitary Drain System										
Hours	47	379	379	-28	0	1,130		1,130	0	1,130
Dollars $	[redacted]									
WWS – Waste Water System										
Hours	504	564	564	60	0	1,130		1,130	0	1,130
Dollars $	[redacted]									
YFS – Yards, Roads, RR, etc										
Hours	384	547	547	163	0	936		936	0	936
Dollars $	[redacted]									
BLDSCA – Buildings SCA										
Hours	1,286	783	783	-503	0	2,600		2,600	0	2,600
Dollars $	[redacted]									
99502 Travel – Engineering										
Dollars $	[redacted]									
Subtotal – Engineering										
Hours	5,139	5,593	5,593	493	0	13,985	–	13,985	0	13,985
Dollars $	[redacted]									
Geotechnical – SCA										
94255SCA Geotechnical Studies										
Hours	171	528	528	357	0	900		900	0	900
Dollars $	[redacted]									
99504SCA Travel – Geotechnical										
Dollars $	[redacted]									
Subtotal – Geotechnical										
Hours	171	528	528	357	0	900		900	0	900
Dollars $	[redacted]									
Construction – LWA										
99143 Excav/Fill, Retaining Wall, Lampson Pad										
Hours	55	0	0	-55	0	165		165	0	165
Dollars $	[redacted]									
99503LWA Travel – Construction										
Dollars $	[redacted]									
Subtotal – Construction LWA										
Hours	55	0	0	-55	0	165		165	0	165
Dollars $	[redacted]									
Engineering – LWA										
BLDLWA – Buildings LWA										
Hours	192	0	60	-192	0	500		500	0	500
Dollars $	[redacted]									
99502LWA Travel – Engineering										
Dollars $	[redacted]									
Subtotal – Engineering LWA										
Hours	192	0	0	192	0	500		500	0	500
Dollars $	[redacted]									

Redacted

CONFIDENTIAL

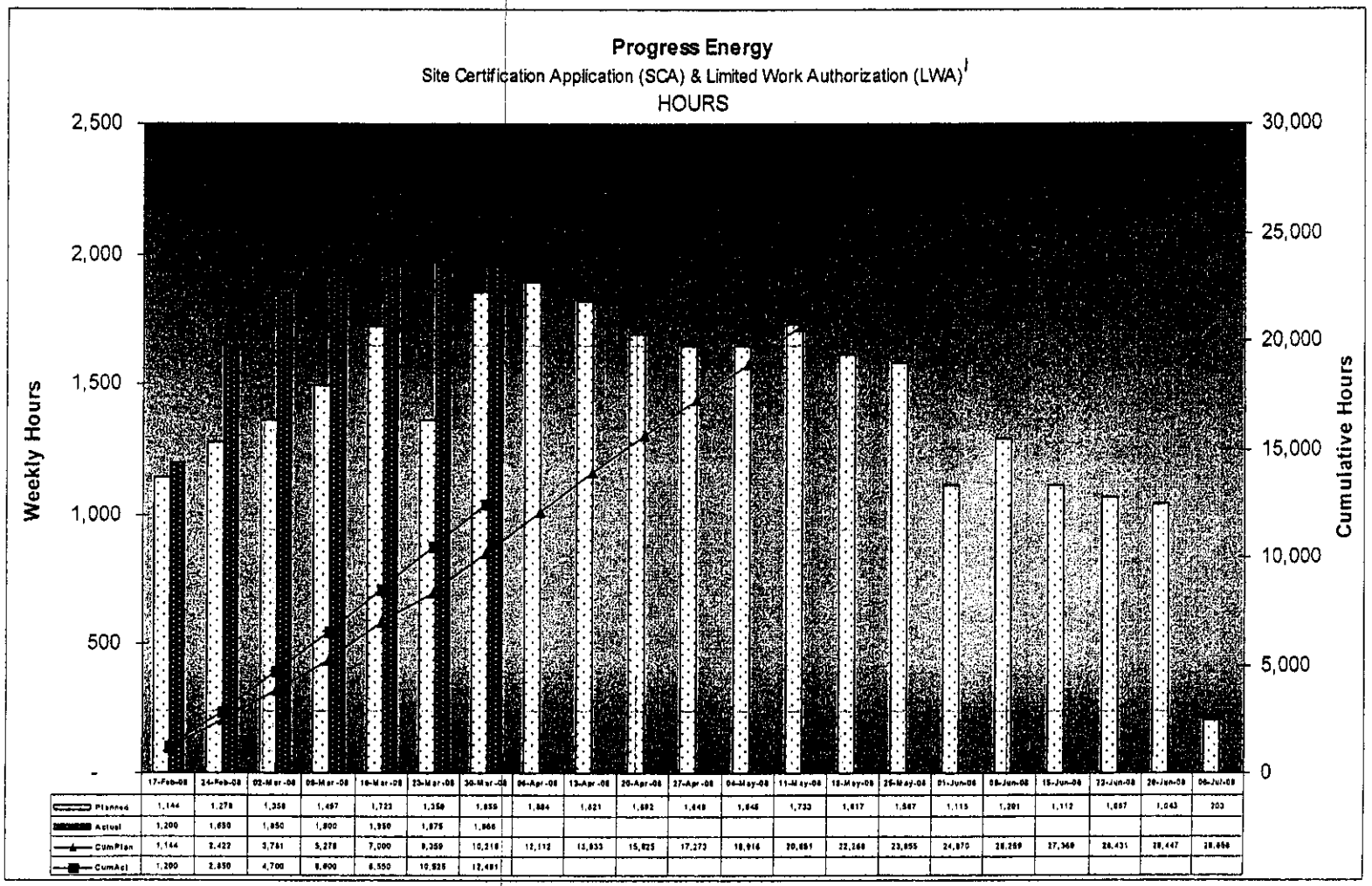
APRIL14, 2008

Task ID Description	Planned To Date	Earned To Date	Actual To Date	Schedule Variance	Cost Variance	Budget	Contingency Allocation	Total Authorized	ETC or Completion Variance	EAC
	A	B	C	D=B-A	E=B-C	F	G	H=F+G	I	J=C+I
Geotechnical - LWA										
94255LWA Geotechnical Studies										
Hours	243	0	0	-243	0	1,270		1,270	0	1,270
Dollars $	[redacted]									
99504LWA Travel – Geotechnical										
Dollars $	[redacted]									
Subtotal – Geotechnical LWA										
Hours	243	0	0	-243	0	1,270		1,270	0	1,270
Dollars $	[redacted]									
Subtotal – Level of Effort										
Hours	2,358	3,635	3,635	1,277	0	6,839		6,839	0	6,839
Dollars $	[redacted]									
Subtotal – Site Certification Application (SCA)										
Hours	7,370	8,856	8,856	1,484	0	20,885		20,885	0	20,885
Dollars	[redacted]									
Subtotal – Limited Work Authorization (LWA)										
Hours	490	0	0	-490	0	1,935		1,935	0	1,935
Dollars $	[redacted]									
GRAND TOTAL										
Hours	10,218	12,491	12,491	2,271	0	29,659		29,659	0	29,659
Dollars $	[redacted]									

Redacted

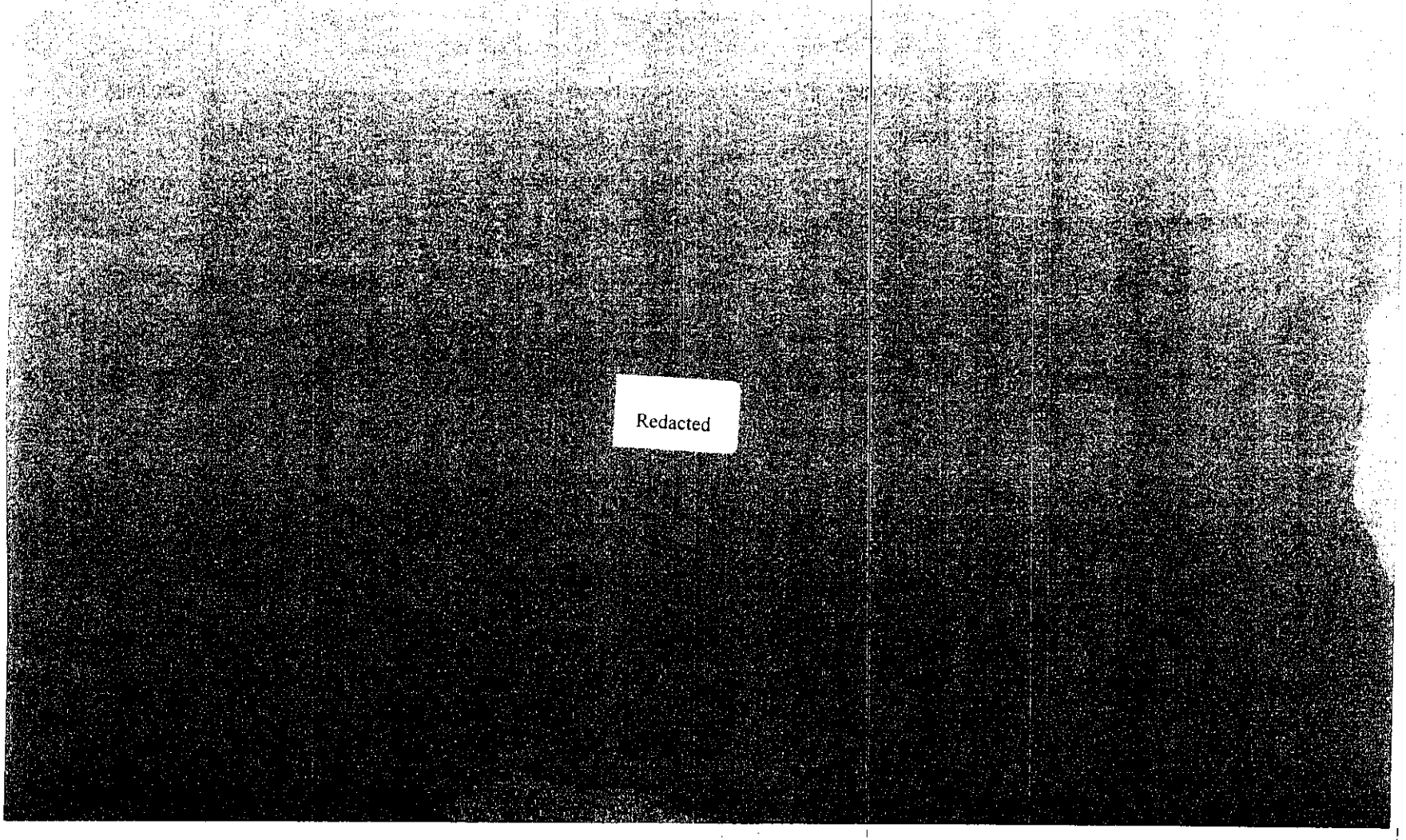
CONFIDENTIAL

CPI = 1.00 / SPI = 1.22



CONFIDENTIAL

APRIL 14, 2008



CONFIDENTIAL

Billing Status

As of the date of this report, four (4) invoices for Progress Work Authorization 01 for a total billed amount of Redacted were issued. All invoices have been paid.

Eight (8) invoices for Progress Work Authorization 02 that total Redacted (including a revised invoice for September 2007 effort) have been issued. A total of Redacted has been paid. The February 2008 invoice is being processed and is pending delivery to Progress.

Seven (7) invoices for Work Authorization 03 that total Redacted have been issued and paid. A total of Redacted has been paid.

Five (5) invoices for Work Authorization 04 that total Redacted have been issued. A total of Redacted has been paid (revised invoice for September 2007 effort re-issued February 1, 2008 is paid).

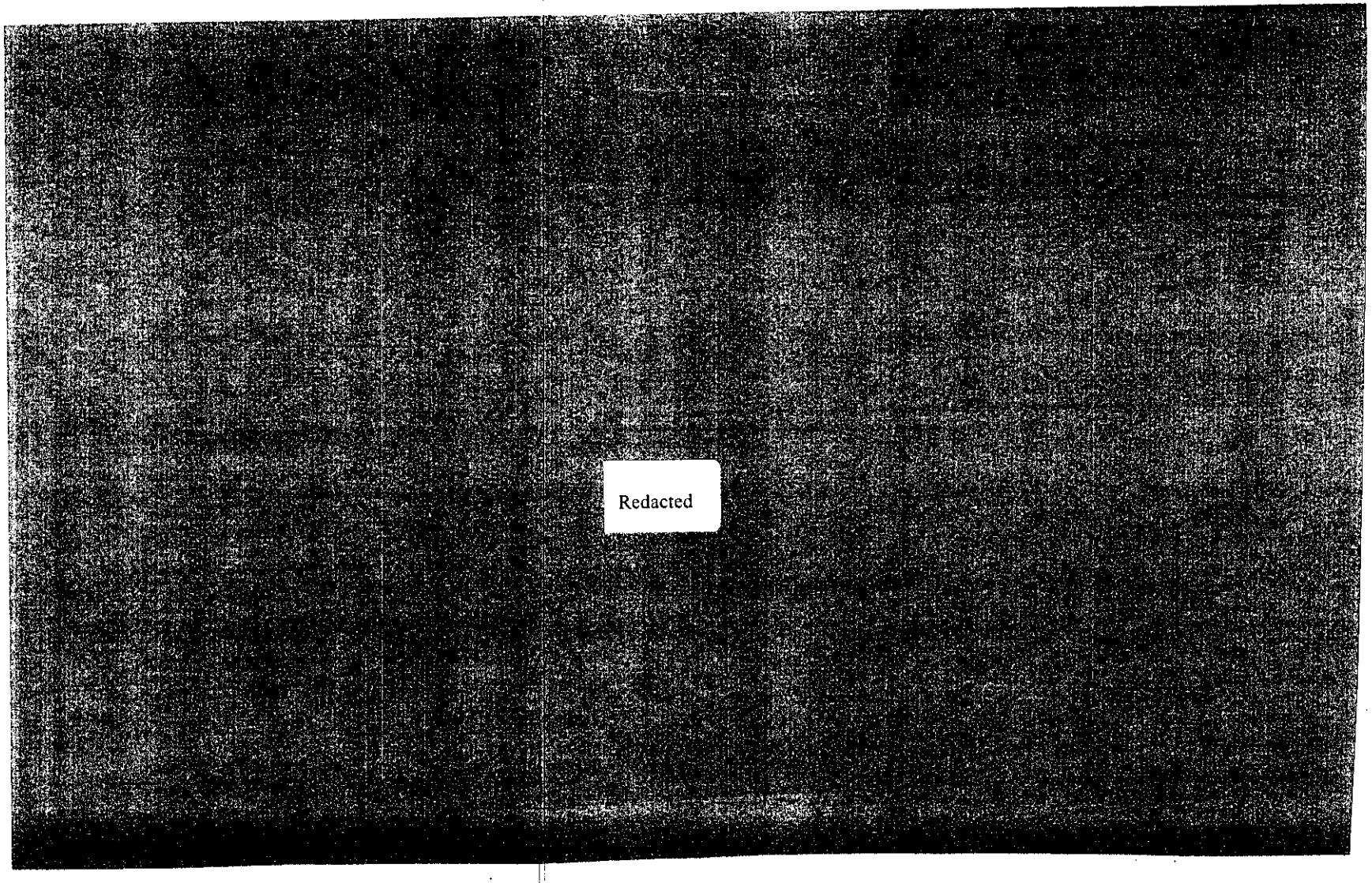
Action Items

None.

Attachments

- Levy Cola Review Schedule.
- Work Authorization 06 – SCA & LWA Support Schedule

CONFIDENTIAL



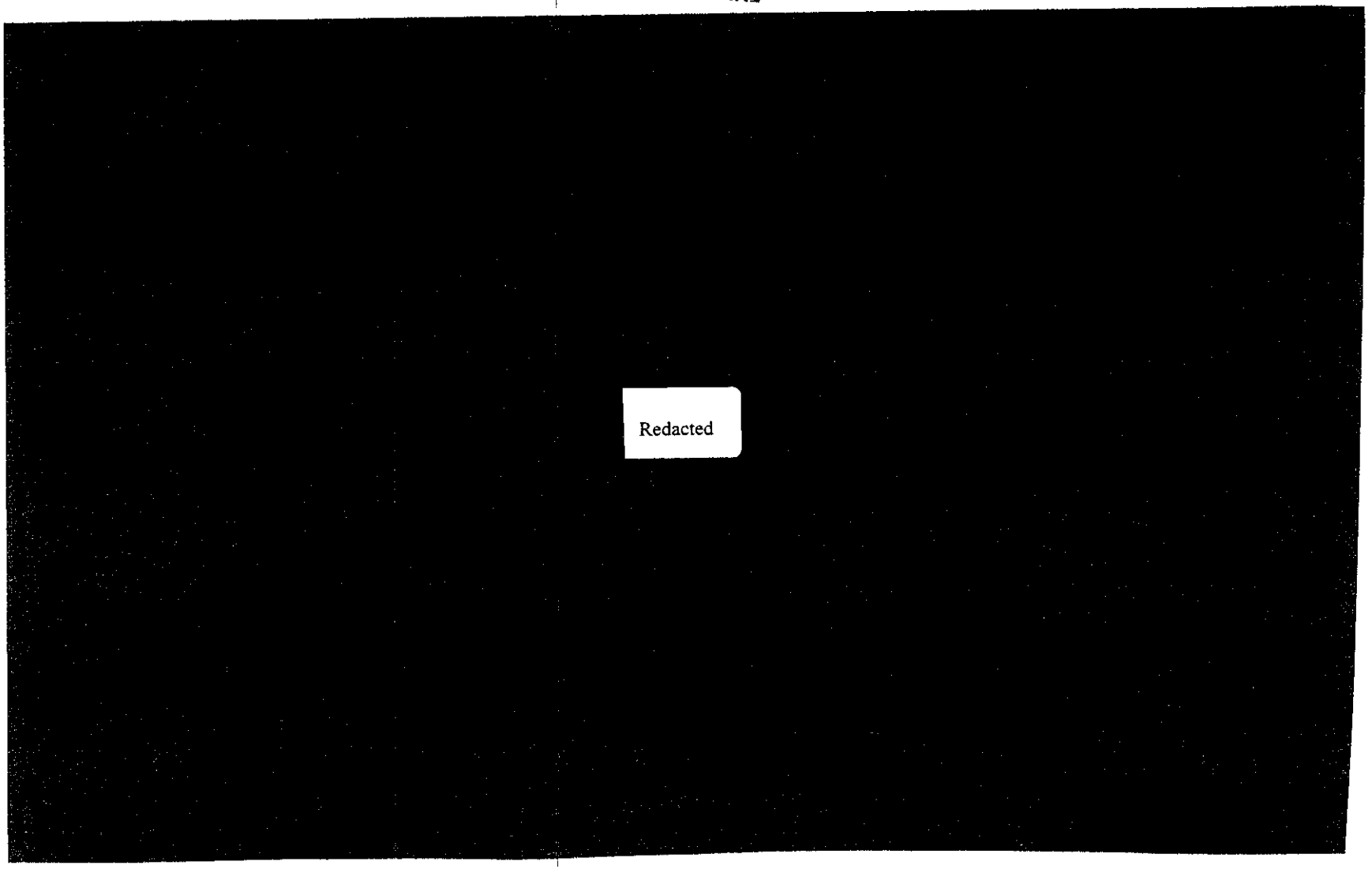
CONFIDENTIAL

Levy Cola Review Schedule
(4 pages to follow)

2 PAGES

CONFIDENTIAL

CONFIDENTIAL



Work Authorization 06
SCA & LWA Support Schedule
(17 pages to follow)

CONFIDENTIAL

17 PAGES

CONFIDENTIAL

PROJECT MONTHLY STATUS REPORT

COL APPLICATION FOR PEF COLA
WA # 255934-02

PROGRESS ENERGY FLORIDA

Report for Month Ending August 31, 2006

CONFIDENTIAL

Dated: September 12, 2006

SARGENT & LUNDY – CH2M HILL – WORLEYPARSONS JOINT VENTURE

Contract Number:	255934	Customer Organization:	
Contract WA#:	255934-02	Project Manager:	Garry Miller
Latest Revision of Task WA Authorized:	0	Technical Lead / Designated Representative:	Debbie Doyle
		Contractor Project Manager:	A. K. Singh
		Contractor Technical Leads:	Lorin Young Mike Launi John Ioannidi

Issues Requiring Management Attention

The project management team is adequately resolving emergent project issues. None required escalation during the month.

Quality Issues

Project quality issues are discussed during the weekly client telecon every Thursday. These issues are listed in the weekly telecon summary. The JV and Progress Energy project team is apprised of these issues on an on going basis. Quality issues applicable to both Redact and PEF COLA are discussed in the PEF Project Monthly Status report for August 2006.

No PEF specific quality issues were identified during August 2006.

Health and Safety Issues

Health and safety issues are discussed during the weekly client telecon every Thursday. These issues are listed in the weekly telecon summary. CH2M Hill site crew is apprised of these issues on an on going basis.

No PEF specific Health and safety issues were identified during August 2006.

Teamwork and Accountability Issues

Teamwork and accountability issues are discussed during the weekly client telecon every Thursday. These issues are listed in the weekly telecon summary with the responsible party's name. The issues are resolved on an on going basis.

There were no open issues on August 31, 2006 (snap shot).

Scope Revisions

Progress Energy has authorized interim budgets for near term tasks for site suitability assessment during August – November 2006 time frame. Detailed project plan including CWO scoping documents, detailed schedule, and WBS budgets are being developed. The following scopes that were not included in the Progress Energy COLA RPF, because the site selection processes for PEF site was not complete, have been identified for further discussions:

- Met Tower procurement, erection, testing, and Met data acquisition
- Phase I site investigations for site suitability assessment - Levy North
- Phase I site investigations for site suitability assessment - Levy South
- Karst Investigations
- Aerial Survey for Plant sites and Makeup and Blowdown discharge corridor
- Options evaluations for fresh water, Barge canal makeup and blowdown discharge
- Conceptual design of raw water system (fresh water, barge canal makeup and blowdown discharge)
- Environmental impact assessment of fresh water, makeup and blow down discharge construction and operations
- Resolution of Dry and Wet Bulb temperature issues with Westinghouse including cooling tower alternatives

- Optimization of the circulating water system and condenser with industry group and Westinghouse for plants in SE US and Florida
- Conceptual design of Auxiliary systems not in DCD scope
- Conceptual design of Road and Rail Access to the site
- Conceptual design of site grading and drainage
- Project management for addition scope
- Validation Package per PEC/PEF requirements
- Cost Escalation for work to be performed in 2007 and 2008
- Direct expenses including travel

Project Budget and Invoicing Information

The invoicing as well as the payments for the invoices continues to be prompt. The summary of the project budget and invoicing are as follows:

- Interim approved budget:
- Budget revisions approved: Redacted
- Current approved budget:
- Amount invoiced
- Remaining approved budget: Redacted
- Amount received:
- Amount receivable: Redacted

The above information for CWOs #1 through #12 is tabulated in Attachment A.

Project Budget and Schedule Performance

Scoping for CWOs and WBS budgets are being developed as part of the detailed project plan. This activity is scheduled for completion by September 22, 2006. No performance metrics will be available until the CWO scopes and WBS budgets are approved in October 2006.

Request for Information (RFI) List

Design inputs required for COLA preparation from Progress Energy and Westinghouse will be tracked by the project RFI list that is issued weekly as part of documents to facilitate the weekly client telecon once PEF COLA Tasks are initiated in November 2006. Inputs for the near term tasks for site assessment are through e-mail communications.

Project Schedule

The tasks and schedule for the near term activities to assess the Levy site for AP1000 and to develop the detailed project plan are shown in the attached Near Term Tasks and Schedule. The completed and the in progress tasks are noted. Overall the performance is satisfactory. Currently, the project progress is constrained by the limited site access authorization. Site access authorization for the Levy South property is expected on September 11, 2006 and on September 18, 2006 for the Levy North property. Limited access for the Levy North property

was available during the week of August 21, 2006 when the preliminary geophysical site investigations were conducted.

A level 2 project schedule has also been developed and is attached. The schedule shows that if site access for initial site investigations is authorized by September 11, 2006 and site selection is finalized by November 1, 2006, the PEF COLA application can be submitted by June 30, 2006. The critical path for COLA submittal is as follows:

- Erection and testing of the met tower equipment (11/10/06)
- Acquisition of 12 months meteorological data (11/09/07)
- Offsite radiological dose analyses based on the collected meteorological data (2/26/08)
- Completion of the ER Chapter 5 and FSAR Section 2.4 incorporating the radiological consequence results (3/27/08).
- Final review and assembly of the COLA (06/30/08)

Risk Matrix

Progress Energy plans to develop and maintain a Risk Matrix for PEF COLA. The JV will provide inputs to this Risk Matrix once the COLA tasks are initiated in November 2006. The near term site assessment tasks are to quantify the risks associated with the Levy site and to collect the critical path meteorological data for the site. The risks include:

- Suitability of the founding substrata for the AP1000 structures
    - Depth and quality of rock layers
    - Feasibility of remedial work for sand layers in rock
- Presence of Karsts underneath or in the vicinity of the plant footprint
- Engineering feasibility and environmental impacts of makeup and blowdown discharge options
    - 316 thermal and biological issues with the Barge Canal and Gulf intake and discharge
- Assessment of the site wet and dry bulb temperatures with respect to AP1000 DCD design limits
    - Wet bulb temperature exceeds the 81F requirement in the DCD
- Site industrial hazards and safe distance to the plant from property boundary
    - 30" gas pipeline may require relocation
- Minimum EAB distance for the site
- PMF level at the site

Work Accomplished This Month

CWO # 1 – Prepare/Submit COLA, DCD Departure Report, and General and Administrative Requirements

No Activity

CWO # 2 – Site Investigation and Seismic and Geotechnical Analysis – Subcontractor Scope

- Levy North site visit by JV Geotechnical experts
- Technos completed preliminary Geophysical investigations for the Levy North property
- Technical memorandum summarizing the results of Phase I geophysical measurements for the Levy North was prepared

CWO # 3 – FSAR Chapter 2

- Field Investigation Plan for plant foot print location and general site characterization (~20 borings) is being prepared for the Levy North and Levy South.
- Field walkdown for Met Tower location was completed by the JV Meteorology expert
- Technical memorandum recommending Met Tower location was issued to client
- Meteorology Tower supply and erection contract is in place
- Met Tower fabrication is in progress

CWO # 4 – ER, Site Redress Plan, and EP

- Site visit to assess the Environmental Impacts of the Makeup and Blowdown system options was conducted
- Permitting requirements for planned site investigation activities was prepared

CWO # 5 – FSAR Chapters 4, 5, 6, 7 and 12

No Activity

CWO # 6 – FSAR Chapters 13, 14 and 16

No Activity

CWO # 7 – FSAR Chapters 1, 3, 8, 17, 18 and 19

- Preliminary site GA (Levy North and Levy South) drawing for laying out the plant footprint on the ground and assessing Environmental Impact was completed.
  - Parallel slide along layout similar to HAR 2&3
  - 3rd party review by Westinghouse

CWO # 8 – FSAR Chapters 9, 10, 11, and 15

- Calculated the preliminary EAB Distance for the Levy site
- Calculated the preliminary value of the maximum wet bulb temperature and the maximum dry bulb temperature with the coincident wet bulb temperature
- Identification of all water cooled and air cooled system temperature limits for AP1000 and their comparison to the PEF site dry and wet bulb temperature is in progress

CWO # 9 – Programs Separate from FSAR

No Activity

CWO # 10 – Conceptual Designs Separate from FSAR

- Cooling tower options technical memorandum was prepared

CWO # 11 – Project Management

- Participation in weekly JV team meeting and weekly client telecons
- Prepared project weekly status summary to facilitate weekly project telecon.
- Level 2 COLA Schedule was prepared
- Near term project tasks and schedule was prepared for assessment of the Levy site
- Contracts with Technos (Geophysical Investigations), SM&E (Soil Investigations), Geomatrix (Geology and Seismology) were extended for the PEF site
- Scoping CWOs #2, #3, #4, #7, #8, #9, #10, #11, and #12 were approved
- Budgetary cash flow for 2007 and 2008 by CWO was prepared
- COLA related scope of work not included in the COLA RFP was identified

CWO # 12 – Scope not in COLA RFP

- Site visit to identify options for Makeup Intake and Blowdown discharge location was conducted by engineering, environmental, and hydrological experts
- Boundaries for Aerial Survey were established
- Preliminary values of CWS Makeup and Blowdown discharge was established

Deliverables This Month

- Technical memorandum on cooling tower options
- Scoping CWOs #2, #3, #4, #7, #8, #9, #10, #11, and #12
- Technical memorandum on preliminary EAB distance
- Preliminary site GA (for location of the plant footprint on ground)
- Technical memorandum on Met Tower location.
- Technical memorandum for maximum wet bulb temperature and the maximum dry bulb temperature with the coincident wet bulb temperature
- Field visit notes for Makeup and Blowdown discharge system
- Level 2 project schedule
- Tasks and Schedule for near term activities to assess the Levy site
- Budgetary cash flow for 2006 - 2008 by CWO
- Weekly project status reports to facilitate the weekly project telecon

ATTACHMENT A

CONFIDENTIAL

SUMMARY OF PROJECT BUDGET, AMOUNT INVOICED, AMOUNT RECEIVED, AND ACCOUNTS RECEIVABLE

MONTH ENDING AUG 06

CWO #	CWO Description	Approved Budget Revisions				Amount Invoiced + Ready for Invoicing			Remaining	Amount Received			
		Interim CWO Approved Budget	CWOR #	CWOR Approved Amount	Total Approved Budget	Ready for Invoicing	Invoiced	Ready + Invoiced	Approved Budget	Through Last Month	This Month	Total	Accounts Receivable
1	Prepare/Submit COLA, DCD Departure Report, and General and Administrative Requirements												
2	Site Investigation and Seismic and Geotechnical Analysis - Subcontractor Scope												
3	FSAR Chapter 2 - Site Characteristics												
4	ER, Site Redress Plan, and EP												
5	FSAR Technology Chapters 4, 5, 6, 7 and 12												
6	FSAR Chapters 13, 14 and 16												
7	FSAR Chapters 1, 3, 8, 17, 18 and 19												
8	FSAR Chapters 9,10,11 and 15												
9	Programs, Procedures and Plan Separate from FSAR												
10	Conceptual Design separate from FSAR												
11	Project Management Activities												
12	Raising Lake Level												
	Total												

[redacted]

Redacted

CONFIDENTIAL

NEAR TERM TASKS AND SCHEDULE FOR FLORIDA COLA

Critical Tasks Description	Duration (Weeks)	Status	1 7/31	2 8/7	3 8/14	4 8/21	5 8/28	6 9/4	7 9/11	8 9/18	9 9/25	10 10/2	11 10/9	12 10/16	13 10/23	14 10/30	15 11/6	16 11/13	17 11/20	18 11/27	19 12/4	20 12/11	21 12/18	22 12/25	23 1/1	24 1/8	25 1/15	26 1/22
Project Mobilization (QA, Work Plan, Schedule)																												
Prepare near term (6 Week) project work plan		C	X	X																								
Prepare Phase I CWOs for near term Tasks		C			X																							
Prepare Level 2 project schedule		C			X	X	X																					
Site visits by JV Team members		P				X	X		X	X	X																	
Prepare detailed project plan, CWOs, WBS budgets, Schedule FOR Tasks #1, #4 - #12		P					X	X	X	X	X																	
Prepare CWO #2 & #3																	X	X										
Stability of Founding Substrata - Levy North	17 months																											
Contract Geophysical Contractor (Specification, costs, schedule, select)		C	X	X																								
Contract Geomatrix		C		X	X																							
Contract Geotechnical drilling contractor (Specification, costs, schedule, select)		P	X	X	X				X	X																		
Contract ground water monitoring well drilling contractor (Specification, costs, schedule, select)		C							X	X	X																	
Perform preliminary Geophysical exploration to establish rough subsurface conditions to locate plant		C				X																						
Prepare site investigation plan R0		P				X	X		X	X	X																	
Perform Phase I Site Investigations											X	X	X															
Perform Phase I Soil Testing														X	X													
Phase I Engineering evaluation of substrata																X	X											
Prepare site investigation plan R1																X	X	X										
Perform Phase II site Investigations																			X	X	X	X	X	X	X	X	X	X
Perform Soil Testing Phase II																								X	X	X		
Perform Initial Geological Investigations												X	X															
Develop conceptual remedial work for founding substrata																			X	X	X	X						
Site Boundary Distance																												
Perform preliminary evaluation of industrial and transportation hazards at the site		C		X	X																							
Determine minimum site boundary distance for industrial and transportation hazards		P				X	X		X																			
Collect past 12 month of Met Data from Crystal River		C		X	X																							
Perform preliminary EAB distance study to locate site boundaries		C				X																						
Site Unique Seismic Considerations																												
Discuss SSE and SSI requirements with Westinghouse		C								X	X																	

CONFIDENTIAL

NEAR TERM TASKS AND SCHEDULE FOR FLORIDA COLA

Critical Tasks Description	Duration (Weeks)	Status	1 7/31	2 8/7	3 8/14	4 8/21	5 8/28	6	7 9/11	8 9/18	9 9/25	10 10/2	11 10/9	12 10/16	13 10/23	14 10/30	15 11/6	16 11/13	17 11/20	18 11/27	19 12/4	20 12/11	21 12/18	22 12/25	23 1/1	24 1/8	25 1/15	26
Provide Westinghouse with SSI parameters																								X	X		
Westinghouse performs SSI Evaluations	4 months																									X	X
Ground Water Data Acquisition																											
Prepare ground water monitoring plan													X	X	X												
Install ground water monitoring wells																	X	X	X	X							
Perform Aquifer Test																							X				
Collect 4 seasons of ground water monitoring data	12 months																				X	X	X	X	X	X	X
Meteorological Data Acquisition																											
Prepare procurement specifications for supply and erection of Met Tower		C																									
Select Met Tower supply and erect contractor		C																									
Select location of Met Tower		C		X	X																						
Soil Borings and Foundation Design for Met tower										X	X	X															
Construct Met Tower Foundations													X	X													
Fabricate and Erect Met Tower		P	X	X	X	X	X	X	X	X				X	X												
Install and Test Met Tower Equipment																X	X										
Collect 1 year of Met Data	12 months																	X	X	X	X	X	X	X	X	X	X
PMF and Aerial Survey Data Acquisition																											
Obtain State and USGS maps and topographical data for contour maps and aerial photos for use in preliminary work		C	X	X																							
Determine aerial survey boundaries		C			X		X																				
Prepare aerial survey specifications		C			X	X	X																				
Select aerial survey contractor		P						X	X	X																	
Perform aerial survey and develop Photos, 3D Ortho Photos, and 2' area contours								X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Perform preliminary PMF evaluations to determine plant grade								X		X	X																
Cooling Tower Design and Cooling Water Temperature Limits																											
Establish 0% exceedance Wet Bulb Temperature for site		C		X																							
Discuss with Westinghouse of impact of >80F Wet Bulb temperature on AP1000 DCD		C			X																						
Develop Mechanical Draft and Natural Draft Cooling Towers Options		C			X	X																					
Discuss with Westinghouse of impact of ~96F inlet temperature for Condenser and TBCC Hx		C				X	X	X																			
In industry effort		P						X	X	X	X	X	X	X	X	X	X	X									

CONFIDENTIAL

NEAR TERM TASKS AND SCHEDULE FOR FLORIDA COLA

Critical Tasks Description	Duration (Weeks)	Status	1 7/31	2 8/7	3 8/14	4 8/21	5 8/28	7 9/11	8 9/18	9 9/25	10 10/2	11 10/9	12 10/16	13 10/23	14 10/30	15 11/6	16 11/13	17 11/20	18 11/27	19 12/4	20 12/11	21 12/18	22 12/25	23 1/1	24 1/8	25 1/15
Select the Cooling Tower Option for conceptual design																		X								
Conceptual Design of CWS	4 months																		X	X	X	X	X	X	X	X
Makeup and Blowdown System Design																										
Perform preliminary plant water balance analysis to size makeup and blowdown systems		C		X	X																					
Perform preliminary studies on effect of makeup water intake on flow in the Barge canal		P				X	X	X	X	X																
Prepare preliminary conceptual designs options of makeup water intake from the Barge Canal		P									X	X	X	X	X											
Prepare preliminary conceptual designs options of blowdown discharge into the river or the gulf		P									X	X	X	X	X											
Select Makeup and the Blowdown system option for conceptual design																X										
Conceptual Design of Makeup Water System																	X	X	X	X	X	X	X			
Environmental Report																										
Perform preliminary ER evaluations for options for Makeup Water intake and blowdown discharge locations on the Barge Canal and the river		P		X	X	X	X	X	X																	
Determine permit requirements for intake from the Barge Canal and discharge of the Blowdown into the river and the gulf								X	X	X	X															
Prepare ER	15 months											X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Transmission Line Routing and Grid Analysis (by Progress Energy Transmission Group)																										
Finalize Transmission line and substation upgrades and Grid Stability Analysis	9 months							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Provide information for switchyard conceptual design																							X	X		
Switchyard layout and Design																										
Establish the directions transmission lines will leave the plant switchyards (Progress Energy Transmission)		C			X	X																				
Establish the size and locations of the switchyards		P					X	X																		X
Conceptual design of switchyards	4 months																									
Security Plan	10 months																									
Security considerations for Site GAs, construction laydown, and parking areas		C			X	X																				
Develop Security Plan																										X
Site General Arrangement																										
Prepare Phase I Site General Arrangements		P					X	X			X	X														

CONFIDENTIAL

NEAR TERM TASKS AND SCHEDULE FOR FLORIDA COLA

Critical Tasks Description	Duration (Weeks)	Status	1 7/31	2 8/7	3 8/14	4 8/21	5 8/28	6 9/4	7 9/11	8 9/18	9 9/25	10 10/2	11 10/9	12 10/16	13 10/23	14 10/30	15 11/6	16 11/13	17 11/20	18 11/27	19 12/4	20 12/11	21 12/18	22 12/25	23 1/1	24 1/8	25 1/15	26 1/22
Client and Westinghouse Review and Finalize Phase I GA		P					X							X	X													
Emergency Plan	14 months																X	X	X	X	X	X	X	X	X	X	X	X
Phase I Site Investigations for Levy South																												
Initial Site Visit by Geotechnical lead		P							X																			
Prepare site for Geophysical and Geotechnical Investigations										X																		
Perform preliminary Geophysical exploration to establish rough subsurface conditions to locate plant											X																	
Prepare site investigation plan R0		P							X	X																		
Perform Phase I Site Investigations												X	X	X														
Perform Phase I Soil Testing															X	X												
Engineering evaluation of substrata												X	X				X	X										
Perform preliminary PMF evaluations to determine plant grade										X	X																	

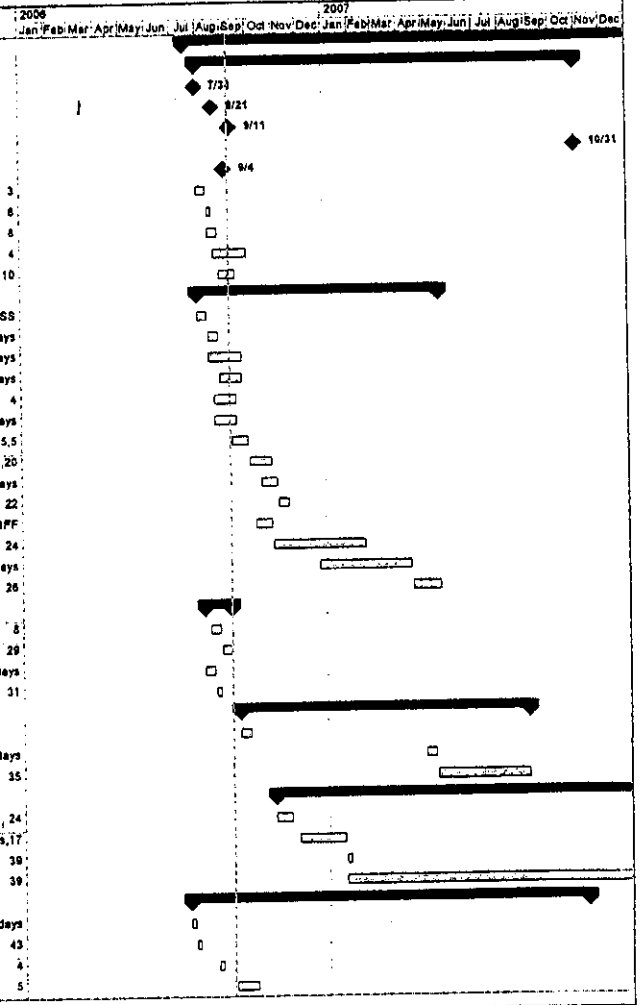
CONFIDENTIAL

Level 2 Schedule

Schedule for Florida Site COLA

August 11, 2006

ID	Section No.	Task Name	Duration	Start	Finish	Predecessors
1	1	Project to Develop COL Application for Florida AP1000 at Greenfield Site	511 days	7/17/06	6/30/08	
2	1.1	Project Mobilization (QA, Work Plan, Schedule)	327 days	7/31/06	10/31/07	
3	1.1.1	Authorization to initiate JV scope of work	0 days	7/31/06	7/31/06	
4	1.1.2	Limited Site Access Authorization	0 days	8/21/06	8/21/06	
5	1.1.3	Full Site Access Authorization	0 days	9/11/06	9/11/06	
6	1.1.4	NuStart & Harris COLA submitted	0 days	10/31/07	10/31/07	
7	1.1.5	Westinghouse AP1000 Buyers CSW Optimization TF Formed	0 days	9/4/06	9/4/06	
8	1.1.6	Prepare near term (6 week) project work plan	10 days	7/31/06	8/11/06	3
9	1.1.7	Prepare Phase I CWOs for near term Tasks	5 days	8/14/06	8/18/06	8
10	1.1.8	Prepare Level 2 project schedule	10 days	8/14/06	8/25/06	8
11	1.1.9	Site visits by JV Team members	30 days	8/21/06	9/29/06	4
12	1.1.10	Prepare/Issue Detailed Project Schedule	15 days	8/28/06	9/15/06	10
13	1.2	Stability of Subsurface Materials & Foundations	210 days	7/31/06	8/16/07	
14	1.2.1	Contract Geophysical Subcontractor (Specification, costs, schedule, sele	10 days	7/31/06	8/11/06	6SS
15	1.2.2	Contract Geomatrix	10 days	8/14/06	8/25/06	14SS+10 days
16	1.2.3	Contract Geotechnical drilling contractor (SM&E an Universal)	30 days	8/14/06	9/22/06	14SS+10 days
17	1.2.4	Contract ground water monitoring well drilling contractor (Specification, c	20 days	8/28/06	9/22/06	14SS+20 days
18	1.2.5	Perform preliminary Geophysical exploration to establish rough subsurfac	20 days	8/21/06	9/15/06	4
19	1.2.6	Prepare siting site investigation plan	20 days	8/21/06	9/15/06	6FS+5 days
20	1.2.7	Perform siting Geological investigations	15 days	9/11/06	9/29/06	15,5
21	1.2.8	Perform siting site investigation	20 days	10/2/06	10/27/06	5FS+5 days,20
22	1.2.9	Perform siting Soil Testing	15 days	10/16/06	11/3/06	21SS+10 days
23	1.2.10	Prepare technical memorandun on site gethechnical acceptability	10 days	11/6/06	11/17/06	22
24	1.2.11	Prepare COLA site investigation plan	15 days	10/9/06	10/27/06	21FF
25	1.2.12	Perform COLA site investigations	80 days	10/30/06	2/16/07	24
26	1.2.13	Perform COLA Soil Testing	80 days	12/25/06	4/13/07	25SS+40 days
27	1.2.14	Perform conceptual design of remedial work for founding substrata	25 days	4/16/07	5/18/07	26
28	1.3	Site Boundary Distance (Phase I)	26 days	8/7/06	9/8/06	
29	1.3.1	Perform preliminary evaluation of industrial and transportation hazards at	10 days	8/14/06	8/25/06	8
30	1.3.2	Determine minimum site boundary distance for industrial and transportati	10 days	8/28/06	9/8/06	29
31	1.3.3	Collect past 12 month of Met Data from Crystal River	10 days	8/7/06	8/18/06	3FS+5 days
32	1.3.4	Perform preliminary EAB distance study to locate site boundaries	5 days	8/21/06	8/25/06	31
33	1.4	Site Unique Seismic Considerations	250 days	8/18/06	8/31/07	
34	1.4.1	Discuss SSE and SSI requirements with Westinghouse	10 days	9/18/06	9/29/06	
35	1.4.2	Provide Westinghouse with SSI parameters	10 days	4/30/07	5/11/07	26FS+10 days
36	1.4.3	Westinghouse performs SSI Evaluations	18 wks	5/14/07	8/31/07	35
37	1.5	Ground Water Data Acquisition	320 days	10/30/06	1/18/08	
38	1.5.1	Prepare ground water monitoring plan	15 days	10/30/06	11/17/06	24
39	1.5.2	Install ground water monitoring wells	40 days	11/27/06	1/19/07	38FS+5 days,17
40	1.5.3	Perform Aquifer Test	5 days	1/22/07	1/26/07	39
41	1.5.4	Collect 4 seasons of ground water monitoring data	52 wks	1/22/07	1/18/08	39
42	1.6	Meteorological Data Acquisition	346 days	7/17/06	11/9/07	
43	1.6.1	Prepare procurement specifications for supply and erection of Met Tower	5 days	7/17/06	7/21/06	6SS-10 days
44	1.6.2	Select Met Tower supply and erect contractor	5 days	7/24/06	7/28/06	43
45	1.6.3	Select location of Met Tower	5 days	8/21/06	8/25/06	4
46	1.6.4	Soil Borings and Foundation Design for Met tower	20 days	9/11/06	10/6/06	5



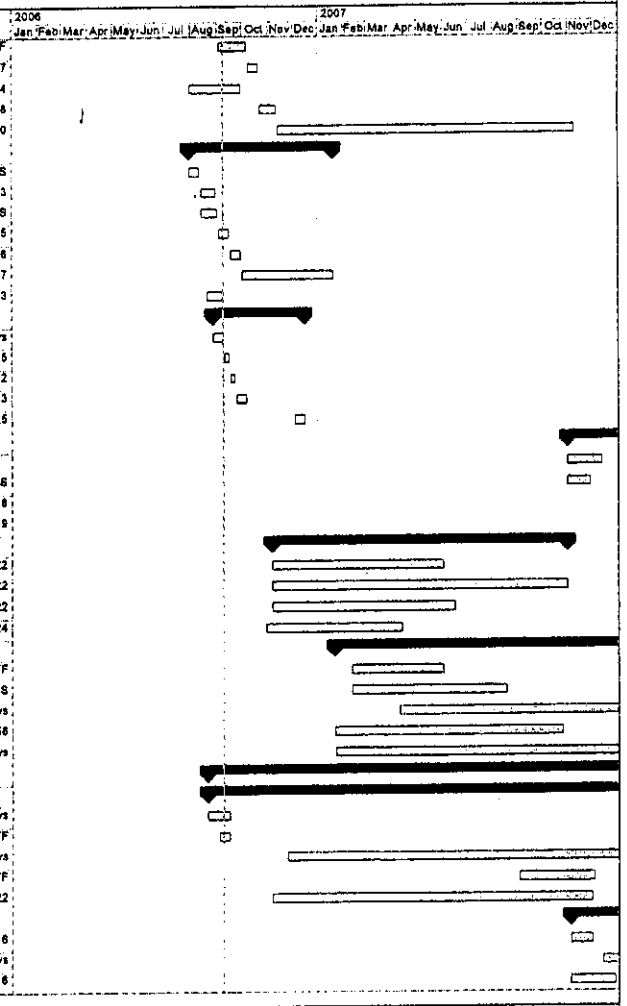
CONFIDENTIAL

Level 2 Schedule

Schedule for Florida Site COLA

August 11, 2006

ID	Section No.	Task Name	Duration	Start	Finish	Predecessors
47	1.6.5	Foundation Construction Subcontractor Contracting	25 days	9/4/06	10/6/06	46FF
48	1.6.6	Construct Met Tower Foundations	10 days	10/9/06	10/20/06	47
49	1.6.7	Fabricate and Deliver Met Tower and Tower Equipment	45 days	7/31/06	9/29/06	44
50	1.6.8	Erect Tower and Install and Test Met Tower Equipment	15 days	10/23/06	11/10/06	49,48
51	1.6.9	Collect 1 year of Met Data	52 wks	11/13/06	11/9/07	50
52	1.7	PMF and Aerial Survey Data Acquisition	126 days	7/31/06	1/19/07	
53	1.7.1	Obtain State and USGS maps and topographical data for contour maps a	10 days	7/31/06	8/11/06	8SS
54	1.7.2	Determine aerial survey boundaries	13 days	8/14/06	8/30/06	53
55	1.7.3	Prepare aerial survey specifications	15 days	8/14/06	9/1/06	54SS
56	1.7.4	Aerial contractors submit bids	10 days	9/4/06	9/15/06	55
57	1.7.5	Bid evaluation and Contract aerial survey contractor	10 days	9/18/06	9/29/06	56
58	1.7.6	Perform aerial survey and develop Photos, 3D Ortho Photos, and 2' area	80 days	10/2/06	1/19/07	57
59	1.7.7	Perform preliminary PMF evaluations to determine plant grade	15 days	8/21/06	9/8/06	53
60	1.8	Site General Arrangement	80 days	8/28/06	12/18/06	
61	1.8.1	Prepare Site General Arrangements for siting investigations	10 days	8/28/06	9/8/06	32,133FF+5 days
62	1.8.2	Surveyor marks plant footprint on ground	5 days	9/11/06	9/15/06	61,5
63	1.8.3	Environment expert verifies on site the footprint location is optimal from E	5 days	9/18/06	9/22/06	62
64	1.8.4	Client and Westinghouse Review and Finalize GA for siting investigations	10 days	9/25/06	10/6/06	63
65	1.8.5	Finalize GA based on Phase I investigations	10 days	12/4/06	12/15/06	64,22,125
66	1.9	Prepare/Submit COLA, DCD Departure Report and General Administrativ	173 days	11/1/07	6/30/08	
67	1.9.1	Admin and General Information	30 days	11/1/07	12/12/07	
68	1.9.2	Report of Departures from Generic DCD (Develop as identified)	20 days	11/1/07	11/28/07	67SS
69	1.9.3	Assemble Final COL Application	66 days	3/28/08	6/27/08	3,101,102,103,104,105,107,108,109,110,112,113,68
70	1.9.4	Submit Final COLA to NRC	1 day	6/30/08	6/30/08	69
71	1.10	Site Investigation and Seismic and Geotechnical Analysis - Subcontracti	258 days	11/6/06	10/31/07	
72	1.10.1	Basic Geology & Seismic Information (GMX)	150 days	11/6/06	6/1/07	22
73	1.10.2	Vibratory Ground Motion	258 days	11/6/06	10/31/07	22
74	1.10.3	Surface Faulting	160 days	11/6/06	6/15/07	22
75	1.11	Stability of Subsurface Materials & Foundations	120 days	10/30/06	4/13/07	24
76	1.12	FSAR Chapter 2 - Site Characteristics In-house Scope	267 days	1/22/07	2/26/08	
77	1.12.1	Geography & Demography	80 days	2/12/07	6/1/07	72FF
78	1.12.2	Site Characteristics - nearby facilities	135 days	2/12/07	8/17/07	77SS
79	1.12.3	Meteorology	230 days	4/11/07	2/26/08	51FF+77 days
80	1.12.4	Hydrology	199 days	1/22/07	10/25/07	58
81	1.12.5	Geology, Seismology	246 days	1/23/07	1/1/08	73FF+44 days
82	1.13	ER, Site Redress Plan and EP excluding subcontractor scope	418 days	8/21/06	3/27/08	
83	1.13.1	Environmental Report	418 days	8/21/06	3/27/08	
84	1.13.1.1	Perform preliminary ER evaluations for options for Makeup Water Int	20 days	8/21/06	9/15/06	8FS+5 days
85	1.13.1.2	Determine permit requirements for intake from the Barge Canal and	10 days	9/4/06	9/15/06	84FF
86	1.13.1.3	Prepare ER	350 days	11/24/06	3/27/08	ays,102FF+22 days,109FF+22 days,110FF+22 days
87	1.13.2	Site Redress Plan	66 days	9/3/07	12/3/07	88FF
88	1.13.3	Emergency Plan Development	14 mons	11/6/06	11/30/07	22
89	1.14	FSAR Technology Chapters 4, 5, 6, 7 and 12	48 days	11/6/07	1/10/08	
90	1.14.1	FSAR Chapter 4 - Reactor	20 days	11/5/07	11/30/07	6
91	1.14.2	FSAR Chapter 5 - Reactor Coolant System and Connected Systems	20 days	12/14/07	1/10/08	90,117FF+22 days
92	1.14.3	FSAR Chapter 6 - Engineered Safety Features - Preparatory Work	40 days	11/5/07	12/28/07	6



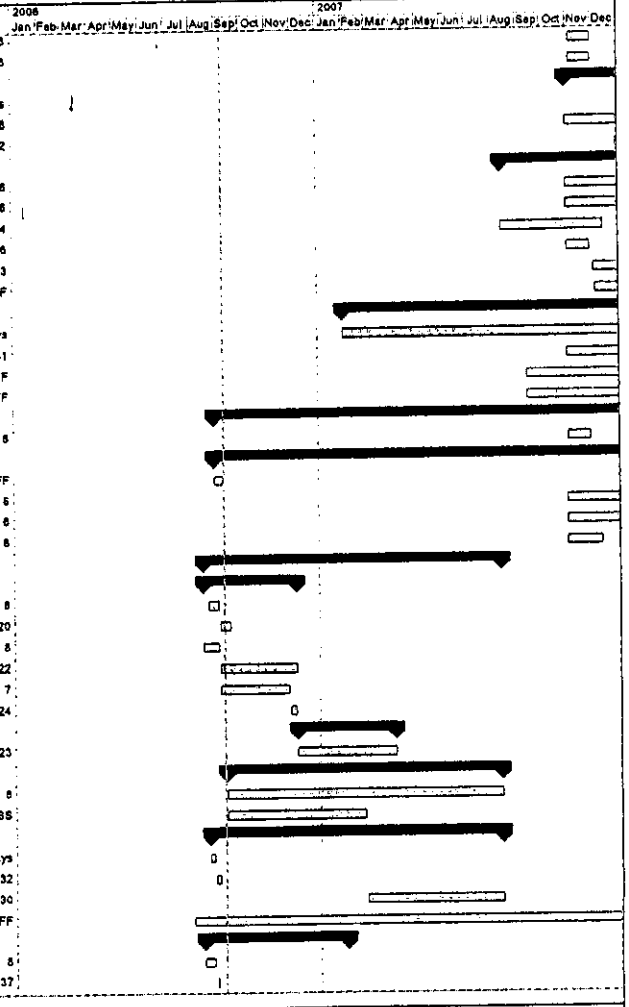
CONFIDENTIAL

Level 2 Schedule

Schedule for Florida Site COLA

August 11, 2006

ID	Section No.	Task Name	Duration	Start	Finish	Predecessors
93	1.14.4	FSAR Chapter 7 - Instrumentation and Controls	20 days	11/5/07	11/30/07	6
94	1.14.5	FSAR Chapter 12 - Radiation Protection	20 days	11/5/07	11/30/07	6
95	1.15	FSAR Chapters 13, 14 and 16	93 days	10/31/07	3/7/08	
96	1.15.1	FSAR Chapter 13 - Conduct of Operations	20 days	1/30/08	2/26/08	97,115FF+15 days
97	1.15.2	FSAR Chapter 14 - Initial Test Program and ITAAC	60 days	10/31/07	1/22/08	6
98	1.15.3	FSAR Chapter 16 - Plant Specific Technical Specifications	50 days	12/31/07	3/7/08	92
99	1.16	FSAR Chapters 1, 3, 9, 17, 18, and 19	167 days	6/13/07	2/18/08	
100	1.16.1	FSAR Chapter 1 - Introduction and General Plant Description	100 days	10/31/07	3/18/08	6
101	1.16.2	FSAR Chapter 3 - Design of Structures, Systems Equipment and Compo	70 days	10/31/07	2/5/08	6
102	1.16.3	FSAR Chapter 8 - Electrical Power	90 days	6/13/07	12/14/07	129,134
103	1.16.4	FSAR Chapter 17 - Quality Assurance (Prepare Chapter)	20 days	11/1/07	11/28/07	6
104	1.16.5	FSAR Chapter 18 - Human Factors Engineering	40 days	12/3/07	1/25/08	93
105	1.16.6	FSAR Chapter 19 - Plant Specific PRA	60 days	12/5/07	2/26/08	79FF
106	1.17	FSAR Chapters 9, 10, 11 and 16	280 days	1/31/07	2/26/08	
107	1.17.1	FSAR Chapter 9 - Auxiliary Systems	280 days	1/31/07	2/26/08	79FF,116FF+22 days
108	1.17.2	FSAR Chapter 10 - Steam and Power Conversion	70 days	10/31/07	2/5/08	8,127,141
109	1.17.3	FSAR Chapter 11 - Radioactive Waste Management	120 days	9/12/07	2/26/08	79FF
110	1.17.4	FSAR Chapter 15 - Accident Analysis	120 days	9/12/07	2/26/08	79FF
111	1.18	Procedures and Plans Separate from FSAR	377 days	8/28/06	2/6/08	
112	1.18.1	QA Programs	20 days	11/1/07	11/28/07	6
113	1.18.2	Security Plan	377 days	8/28/06	2/6/08	
114	1.18.2.1	Security considerations for Site QAs, construction laydown, and part	10 days	8/28/06	9/8/06	61FF
115	1.18.2.2	Develop Security Plan	70 days	10/31/07	2/5/08	6
116	1.18.3	Fire Protection Program/Plan and Fire Hazards Analysis	60 days	10/31/07	1/22/08	6
117	1.18.4	Pre-service and Inservice Test and Inspection Plan	30 days	10/31/07	12/11/07	6
118	1.19	Conceptual Design Separate from FSAR	260 days	8/14/06	8/10/07	
119	1.19.1	Cooling Tower Design and Cooling Water Temperature Limits	81 days	8/14/06	12/4/06	
120	1.19.1.1	Establish 0% exceedance Wet Bulb and Dry Bulb Temperature for s	10 days	8/21/06	9/1/06	8
121	1.19.1.2	Discuss with Westinghouse of impact of dry and Wet Bulb temperatu	10 days	9/4/06	9/15/06	120
122	1.19.1.3	Develop cooling tower options	15 days	8/14/06	9/1/06	8
123	1.19.1.4	FinalizeCooling Towers Options with Westinghouse TF	60 days	9/4/06	12/4/06	122
124	1.19.1.5	Westinghouse AP1000 Buyers CSW Optimization TF participation	60 days	9/4/06	11/24/06	7
125	1.19.1.6	Westinghouse Optimization results availble to PE	5 days	11/27/06	12/4/06	124
126	1.19.2	Conceptual Design of CWS	86 days	12/6/06	4/2/07	
127	1.19.2.1	Conceptual design of CWS	17 wks	12/5/06	4/2/07	125,123
128	1.19.3	Transmission Line Routing and Grid Analysis (by Progress Energy '	240 days	9/11/06	8/10/07	
129	1.19.3.1	Finalize Transmission line and substation upgrades and Grid Stabilit	12 mons	9/11/06	8/10/07	8
130	1.19.3.2	Provide design inputs for switchyard design	6 mons	9/11/06	2/23/07	129SS
131	1.19.4	Switchyard Layout and Design	255 days	8/21/06	8/10/07	
132	1.19.4.1	Establish the directions transmission lines will leave the plant switch	5 days	8/21/06	8/25/06	8FS+5 days
133	1.19.4.2	Establish the size and locations of the swtchyards	5 days	8/28/06	9/1/06	132
134	1.19.4.3	Conceptual design of switchyards	6 mons	2/26/07	8/10/07	130
135	1.20	Project Management Activities	500 days	8/1/06	8/30/08	70FF
136	1.21	Conceptual design of Raw water System	125 days	8/14/06	2/2/07	
137	1.21.1	Phase I Water balance to size system	10 days	8/14/06	8/25/06	8
138	1.21.2	Site visit to locate Makeup and discharge structures and pipe routing	2 days	8/29/06	8/30/06	4,137



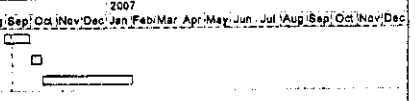
CONFIDENTIAL

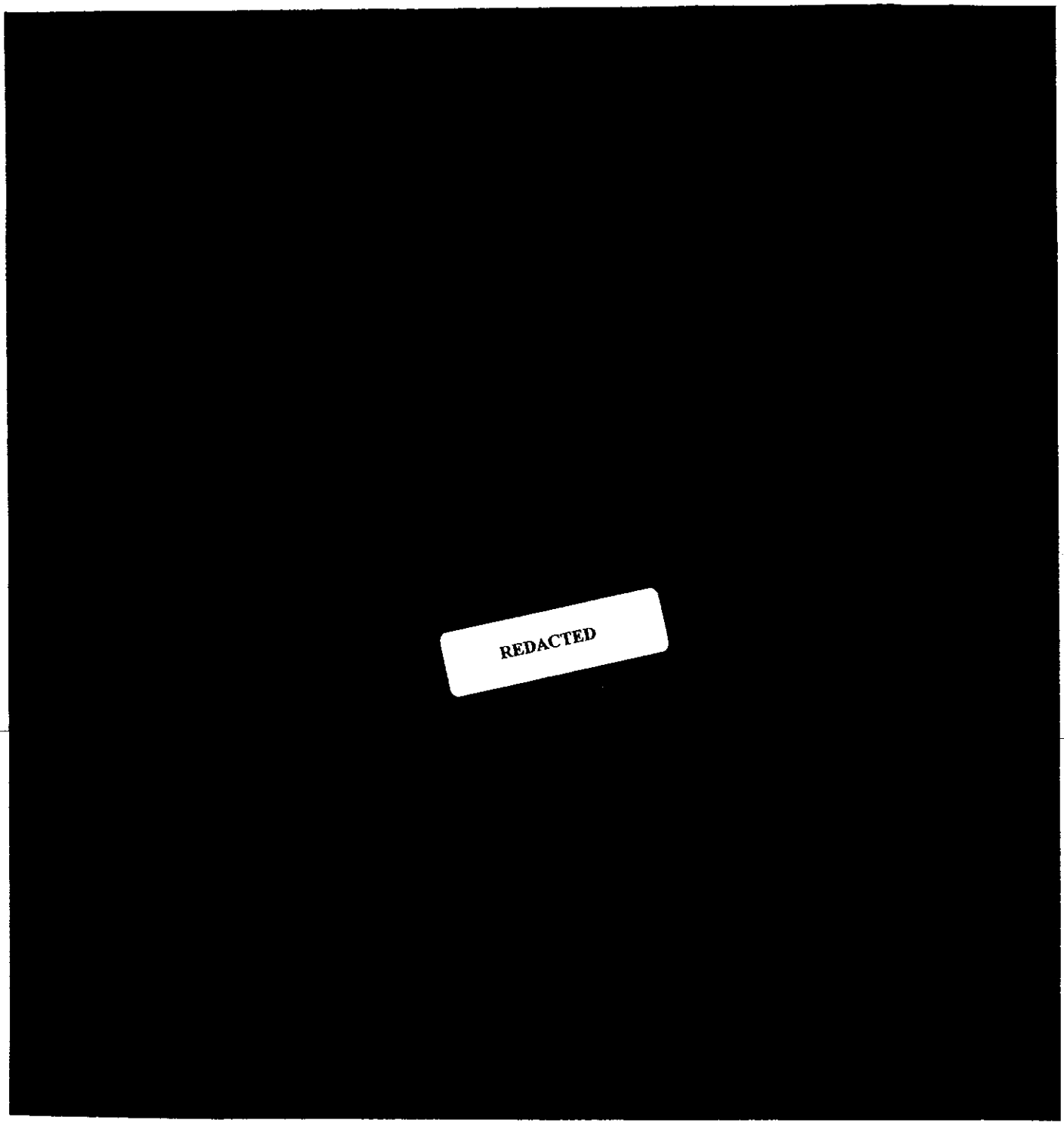
Level 2 Schedule

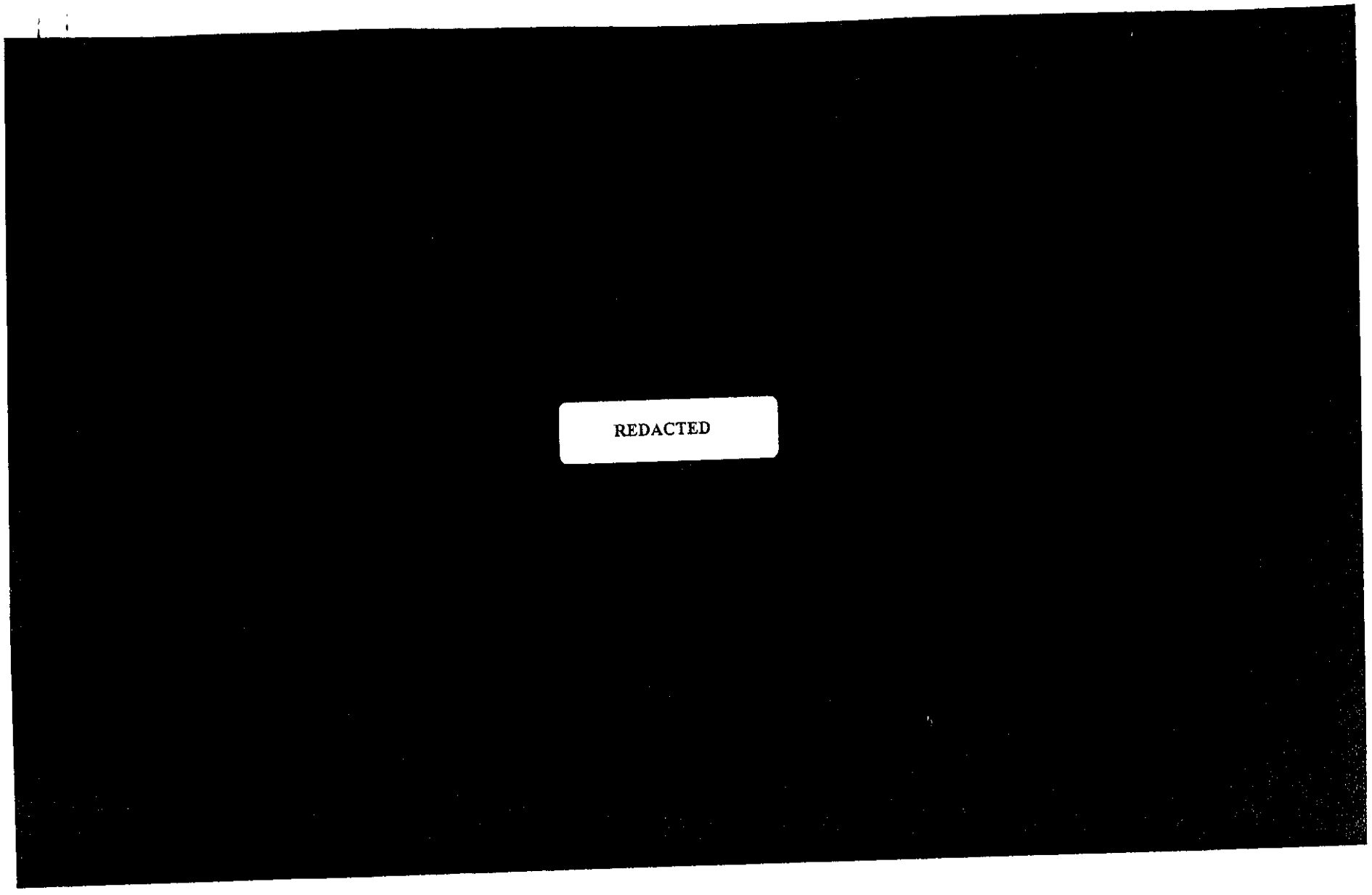
Schedule for Florida Site COLA

August 11, 2006

ID	Section No.	Task Name	Duration	Start	Finish	Predecessors
139	1.21.3	Develop Options for Raw Water, CSW makeup, and Blowdown Discharg	22 days	8/31/06	9/29/06	138
140	1.21.4	Select Options for conceptual design of Raw Water, CSW Makeup and di	10 days	10/2/06	10/13/06	139
141	1.21.5	Conceptual Design of Raw Water, CSW makeup, and Blowdown Discher	16 wks	10/16/06	2/2/07	140




REDACTED


REDACTED

LNP Potential Scope Revisions

- Wetland drilling permit exemption authorization may require use of swamp mats and sandbags for boreholes in wetlands.
- Lower shear wave velocity in deeper layers at LNP will require deeper borings to determine depth of competent rock depth
- Conceptual design for raw water system (fresh water, CWS makeup, blowdown discharge)
- Environmental impact assessment of fresh water, makeup and blow down discharge construction and operations
- Conceptual design of rail and road access
- Conceptual design of site grading and drainage
- Alternate approach to compensate for late Meteorological data
  - Processing of REDACTED data
  - FSAR Chapter 11, FSAR section 2.3, and ER Chapter 5 write-up and OAR based on REDACTED and 6-months of LNP data
  - Update FSAR Chapter 11, FSAR section 2.3, and ER Chapter 5 write-up and OAR based on 12-months of LNP data
- CH2M support for site rezoning permit application
- Conceptual design of items required for environmental impact assessment of construction activities

CONFIDENTIAL

PROJECT MONTHLY STATUS REPORT

COL APPLICATION FOR LNP 1&2
WA # 255934-02

PROGRESS ENERGY FLORIDA

Report for May 2007

Dated: June 12, 2007

SARGENT & LUNDY – CH2M HILL – WORLEYPARSONS JOINT VENTURE

Contract Number:	255934	Customer Organization:	
Contract WA#:	255934-02	Project Manager:	Garry Miller
Latest Revision of Task WA Authorized:	0	Technical Lead / Designated Representative:	Debbie Doyle
		Contractor Project Manager:	A. K. Singh
		Contractor Technical Leads:	Lorin Young Mike Launi John Archer

Issues Requiring Management Attention

The project management team is adequately resolving emergent project issues. None required escalation during the month.

Quality Issues

Project quality issues are discussed during the weekly client telecon every Thursday. These issues are listed in the weekly telecon summary. The JV and Progress Energy project team is apprised of these issues on an on going basis. Quality issues applicable to both Redacted and PEF COLA are discussed in the Redacted Project Monthly Status report for May 2007. There were no PEF specific quality issues during May 2007.

Health and Safety Issues

Health and safety issues are discussed during the weekly client telecon every Thursday. These issues are listed in the weekly telecon summary. CH2M Hill site crew is apprised of these issues on an on going basis. The Health and Safety issue identified during May 2007 were:

- One Rig cable broke
- One Cable got caught around a 55 gallon drum
- Sonic drilling soil samples that had developed severe mold and identified as a possible health hazard were disposed.

Teamwork and Accountability Issues

Teamwork and accountability issues are discussed during the weekly client telecon every Thursday. These issues are listed in the weekly telecon summary with the responsible party's name. The issues are resolved on an on going basis. The open teamwork and accountability issues as of June 5, 2007 were:

- WA Amendment (Progress Energy February 2007) incorporating scopes/budgets approved through Impact Evaluations 13, 14, 25, 27, 28, 29, 30, and 33. The WA amendment has been approved by Progress Energy Management but has not been issued to the JV.
- RF 090 Design inputs for switchyard design (Stan Shilling RFI 90 – March 31, 2007). The completion of the RFI response is delayed due to delays in completion of the transmission studies by Progress Energy Transmission Group.
- RF 154 (Stan Shilling due May 23, 2007) Switchyard location and the number and directions of transmission lines from the switchyard. The completion of the RFI is delayed due to delays in decision making on transmission line upgrades to support the new units
- Approval of Impact Evaluation #45 Site Grading and Drainage (Progress Energy 5/29/07)
- Submittal of Impact Evaluation for scope for additional deep holes and shear wave velocity required for SSE definition (CH2M 05/31/07)

- Submittal of Impact Evaluation for scope to address NRC concerns on solution cavities deep underground (CH2M 05/31/07)

- Submittal of Impact Evaluation for scope for supplementary borings and geophysical investigations to define the geological discontinuity as requested by Westinghouse/Paul Rizzo (CH2M 05/31/07)

Project Budget and Invoicing Information

The invoicing as well as the payments for the invoices continues to be satisfactory. The summary of the project budget and invoicing are as follows:

- Current Interim approved budget:
- Amount invoiced: Redacted
- Remaining approved budget. see note below)
- Amount received:
- Amount receivable: Redacted

The above information for Tasks #1 through #13 is tabulated in Attachment A.

The WA approved budget is Redacted The additional budget amount approved through impact evaluations is The WA incorporating the impact evaluation scope and budgets has been approved by Progress Energy management and is being processed within Progress Energy.

Scope Revisions

Project scope change issues are discussed during the weekly client telecon. These issues are listed in the weekly telecon summary. Based on these discussions, impact evaluation for the scope change is prepared. Once the impact evaluation is approved, the affected task scoping documents, project WBS budget, and the project schedule are revised.

Attachment B provides the increase (or decrease) in budgets by impact evaluation and task numbers. Impact evaluations #13, #25, #28, #29, #30, #27, #33, #34, #40, and #43 have been approved with a total budget of : Redacted Impact Evaluations #45 and #50 are pending approval with a total budget of

In addition to the scope changes listed in Attachment B, the following potential scope changes have been discussed:

- Scope for assistance to develop SCA
- Scope for drilling deep holes and measuring shear wave velocity required for SSE definition
- Scope to address NRC concerns on potential for solution cavities deep under the plant
- Scope for supplementary borings and geophysical investigations to define the geological discontinuity as requested by Westinghouse/Paul Rizzo
- Scope for conceptual design of fresh (raw) water system and CWS make-up system and blowdown system.

- Scope for environmental impact of fresh (raw) water system and CWS make-up system and blowdown system construction.
- Scope for conceptual design of Waste Water system and Chemical Feed system
- Scope to comply with new NRC SRP provisions on Tsunami
- Approach to speedup COLA submittal to July 31, 2008 (FSAR sections 2.3 and 2.5, Chapter 11, and ER Chapter 5 are affected)

Budget and Schedule Performance

Detailed information on project budget and schedule performance the overall project and for tasks #1 through #13 is tabulated in Attachment C. Figures P-00 through P-13 provide the project performance graphs for the overall project and for tasks #1 through #13 respectively. Figures C-00 through C-13 provide the baseline and projected cash flow graphs for the overall project and for tasks #1 through #13 respectively. The project budget and schedule performance is as follows:

The project is 39% complete including phase I scope. For individual tasks the percent complete varies from 0% for tasks #1, 5, 6, 7, and 9 to 97% for task #12 (site unique scope not in RFP). The percent complete for tasks #1 through #13 is tabulated in Attachment C.

The actual cost of work performed (AWCP) is lower than the budgeted cost of work performed (BCWP) with a cost performance index (CPI) of 1.02 (>1.0 indicates under budget). The CPI for individual tasks varies from 1.24 for task #11 (Project Management) to 0.95 for task #4 (ER, Site Redress Plan, and EP) as tabulated in Attachment C.

The scheduled percent complete for the overall project is 38%. For individual tasks, the scheduled percent complete varies from 0% for task #1, 5, 6, 7, and 9 to 97% for task #12 (site unique scope not in RFP). The scheduled percent complete for tasks #1 through #13 is tabulated in Attachment C.

The budgeted cost of work scheduled (BCWS) is approximately the same as the budgeted cost of work performed (BCWP) with a schedule performance index (SPI) of 1.01. The SPI for individual tasks varies from 1.22 for task #8 (FSAR Chapters 9, 10, 11, and 15) to 1.00 for task #4 (ER, Site Redress Plan, and EP) as tabulated in Attachment C. SPI greater than 1.00 indicates that the project is ahead of schedule.

Request for Information (RFI) List

Design inputs required for COLA preparation from Progress Energy and Westinghouse is tracked by the combined and PEF project RFI list that is issued weekly as part of the COLA documents to facilitate the weekly client telecon. The outstanding requests are discussed with Progress Energy and Westinghouse during the telecon. New items are added and completed items are purged from the list weekly. Late RFIs are listed under 'Teamwork and Accountability Issues'.

Project Schedule

The P3v5 PEF project schedule R6 is attached. The percent complete for the tasks as of May 31, 2007 are shown.

All 90 boreholes in the plant area were completed on June 07, 2007 on schedule. Borings at the Make-up water pumphouse is awaiting access authorization from FDEP and borings for the CWS cooling towers is awaiting finalization of their location as part of the site GA.

The current target LNP COLA submittal date is August 22, 2008. At the March 2007 project quarterly status meeting it was agreed that JV will implement shorter task durations and schedule logic changes to improve the COLA submission date to July 31, 2008. Impact Evaluation for this scope will be submitted for approval.

Risk Matrix

Progress Energy plans to develop and maintain a Risk Matrix for PEF COLA. The JV will provide inputs to this Risk Matrix. The risks associated with the LNP site are:

- Suitability of the founding substrata for the AP1000 structures
  - Depth and quality of rock layers and extent of remedial work that is required for the substrata
  - The soil/rock substrata properties not being bounded by the DCD values
  - The preliminary findings from field work suggest variable site conditions especially "softer rock" and lower shear wave velocity beyond 175' - 200' at two reactor locations. This will require additional deep shear wave velocity measurements. If these deeper borings necessitate additional investigations, it may impact the overall schedule.
  - If the karst investigation shows unfavorable conditions at the existing plant layout, it may impact COLA schedule.
- Engineering feasibility and environmental impacts of makeup water and blowdown discharge options
  - 316 thermal and biological issues with the Barge Canal intake and Gulf discharge. Initial meeting with FDEP did not identify any show stoppers.
- Site wet and dry bulb temperatures with respect to AP1000 DCD design limits
  - Tier 1 and Tier 2 DCD updates to accommodate maximum wet bulb temperature at the site. Westinghouse has prepared a Topical Report addressing the subject for NRC endorsement.
- Site industrial hazards and safe distance to the plant from property boundary
  - Hazards from the 30" existing and 36" proposed gas pipelines. Refined analysis being performed shows that the pipelines hazard is acceptable.

Documents Submitted to Client This Month

- SLPEF-2007-032: Impact Evaluation #43 Swamp Mats and Tree Removal
- SLPEF-2007-033: Florida Met Tower System Documentation
- SLPEF-2007-034: PEF Project Monthly Status Report - April 2007
- SLPEF-2007-035: Impact Evaluation #45 Grading & Drainage
- SLPEF-2007-036: Subcontractor approval (Geosyntec, Inc.)
- SLPECF-2007-037: Impact Evaluation #50 Aquatic Sampling

Other Work Accomplished This Month

Task # 1 – Prepare/Submit COLA, DCD Departure Report, and General and Administrative Requirements

No Activity

Task # 2, 3, & 13 – FSAR Chapter 2

- All 90 boreholes in the plant area were completed on June 07, 2007 on schedule.
- A draft memorandum on deep layers shear wave velocity measurements and investigations for solution cavities was prepared and discussed with Progress Energy. The memorandum is being revised to incorporate Progress Energy comments.
- Preliminary site boring logs and photos and site profiles based on available boring data was distributed to Westinghouse and Progress Energy for the interface document compliance review.
- Soil/Rock data from the field investigations to determine compliance with Westinghouse interface document was reviewed by Westinghouse/Paul Rizzo & Associates, Progress Energy, and CH2M Hill at the site. Follow-up telecon to establish the need for supplementary borings to comply with the Westinghouse interface document was held. Technical memorandum summarizing the recommended supplementary borings was submitted to Progress Energy.
- Prepared LNP bi-weekly fieldwork status and results summary reports.
- Prepared LNP weekly FSAR Chapter 2 status summary reports.

Task # 4 – ER, Site Redress Plan, and EP

- Submitted proposal for SCA scope of work. Progress Energy comments were received. Impact Evaluation incorporating progress Energy comments is being prepared.
- Continued work on environmental "clearance" for Threatened and Endangered Species, Cultural Resources and Solid/Hazardous Waste.
- Prepared weekly LNP ER/EP status report

Task # 5 – FSAR Chapters 4, 5, 6, 7 and 12

No Activity

Task # 6 – FSAR Chapters 13, 14 and 16

No Activity

Task # 7 – FSAR Chapters 1, 3, 8, 17, 18 and 19

No Activity

Task # 8 – FSAR Chapters 9, 10, 11, and 15

No Activity

Task # 9 – Programs Separate from FSAR

No Activity

Task # 10 – Conceptual Designs Separate from FSAR

No activity

Task # 11 – Project Management

- April 2007 Monthly Project Status Report was submitted
- Updated project schedule R5 was submitted
- Prepared weekly project status summary to facilitate the weekly client telecon
- Maintained e-Library List and Design Document Request (RFI) List
- Participated in weekly JV team meeting
- Participated in the weekly client telecon on project status

Task # 12 – Site Unique Scope not in RFP

- Prepared site arrangement for client comments.
- Site arrangement review M-Show was held on 05/24/07. Comments from the M-Show were incorporated. Revised site arrangement alternatives were discussed at the 06/05/07 M-Show with Progress Energy and Shaw Stone & Webster.

ATTACHMENT A [!] CONFIDENTIAL

SUMMARY OF PROJECT BUDGET, AMOUNT INVOICED, AMOUNT RECEIVED, AND ACCOUNTS RECEIVABLE

MONTH ENDING May 2007

Task #	CWO Description	Interim CWO Approved Budget	Approved Budget Revisions CWOR #	CWOR Approved Amount	Total Approved Budget	Amount Invoiced + Ready for Invoicing: Ready for Invoicing	Invoiced	Ready + Invoiced	Remaining Approved Budget	Amount Received: Through Last Month	This Month	Total	Accounts Receivable
1	Prepare/Submit COLA, DCD Departure Report, and Gener and Administrative Requirements												
2	Site Investigation and Seismic and Geotechnical Analysis Subcontractor Scope												
3	FSAR Chapter 2 - Site Characteristics												
4	ER, Site Redress Plan, and EP												
5	FSAR Technology Chapters 4, 5, 6, 7 and 12												
6	FSAR Chapters 13, 14 and 16												
7	FSAR Chapters 1, 3, 8, 17, 18 and 19												
8	FSAR Chapters 9,10,11 and 15												
9	Programs, Procedures and Plan Separate from FSAR												
10	Conceptual Design separate from FSAR												
11	Project Management Activities												
12	Site Unique Scope not in RFP												
13	COLA Fieldwork												
	Total												

Redacted

Note: The budget amount approved through Impact Evaluation is [Redacted] (see Attachement B)

CONFIDENTIAL

ATTACHMENT B

SUMMARY OF APPROVED AND PENDING SCOPE REVISIONS BY IMPACT EVALUATION NUMBER

Month Ending May 2007

Impact Eval. No.	Description	Task #	Date	Amount	Status
13	Photogrammetric Survey	12	10/2/2006	[redacted]	IE Approved
13	Photogrammetric Survey - Project Management	11	10/2/2006		IE Approved
	Total				
14	Reat Rejection system Optimization Study	12	10/2/2006		IE Approved
14	Reat Rejection system Optimization Study -PM	11	10/2/2006		IE Approved
	Total				
25	Phase I Subcontractor Scope	2	12/1/2006		IE Approved
25	Phase I In-house Scope	3	12/1/2006		IE Approved
25	Phase I Environmental Evaluations	4	12/1/2006		IE Approved
25	Wet and Dry Bulb Temperature Issue	8	12/1/2006		IE Approved
25	Phase I Tasks - PM and Ad Hoc Support	11	12/1/2006		IE Approved
25	Makeup Water and Blowdown Discharge	12	12/1/2006		IE Approved
	Total				
27	Validation Package and Cost Escalation	1	2/2/2007		IE Approved
27	Validation Package and Cost Escalation	2	2/2/2007		IE Approved
27	Validation Package and Cost Escalation	3	2/2/2007		IE Approved
27	Validation Package and Cost Escalation	4	2/2/2007		IE Approved
27	Validation Package and Cost Escalation	5	2/2/2007		IE Approved
27	Validation Package and Cost Escalation	6	2/2/2007		IE Approved
27	Validation Package and Cost Escalation	7	2/2/2007		IE Approved
27	Validation Package and Cost Escalation	8	2/2/2007		IE Approved
27	Validation Package and Cost Escalation	9	2/2/2007		IE Approved
27	Validation Package and Cost Escalation	10	2/2/2007		IE Approved
27	PM for Validation Package and Cost Escalation	11	2/2/2007		IE Approved
	Total				
28	Transfer in from Task #8	1	12/15/06		IE Approved
28	Transfer out to Task #4	3	12/15/06		IE Approved
28	Transfer in from Task #3	4	12/15/06		IE Approved
28	Transfer out to tasks #1 & #11	8	12/15/06		IE Approved
28	Transfer in from Tasks #8	11	12/15/06		IE Approved
	Total				
29	Met Tower Subcontractor	2	12/14/2006		IE Approved
29	Met tower - CH2 m In-house	3	12/14/2006		IE Approved
29	Met Tower - PM	11	12/14/2006		IE Approved
	Total				
30	Delete ETE from scope for EP	4	12/15/2006		IE Approved
	Total				
33	Credit for Fieldwork scope in JV Proposal - Subcontract	2	01/23/07		IE Approved
33	Credit for Fieldwork/Lab Analysis scope in JV Proposal - CH2M In-house	3	01/23/07		IE Approved
33	Fieldwork/Lab Analysis scope - Subcontractor and CH2M In-house	13	01/23/07		IE Approved
33	Additional PM scope - Fieldwork/Lab Analysis	11	01/23/07		IE Approved
	Total				
34	P3v5 Conversion	11	2/19/2007		IE Approved
	Total				
35	Site Access Improvement	13	2/20/2007		IE Approved
	Total				

CONFIDENTIAL

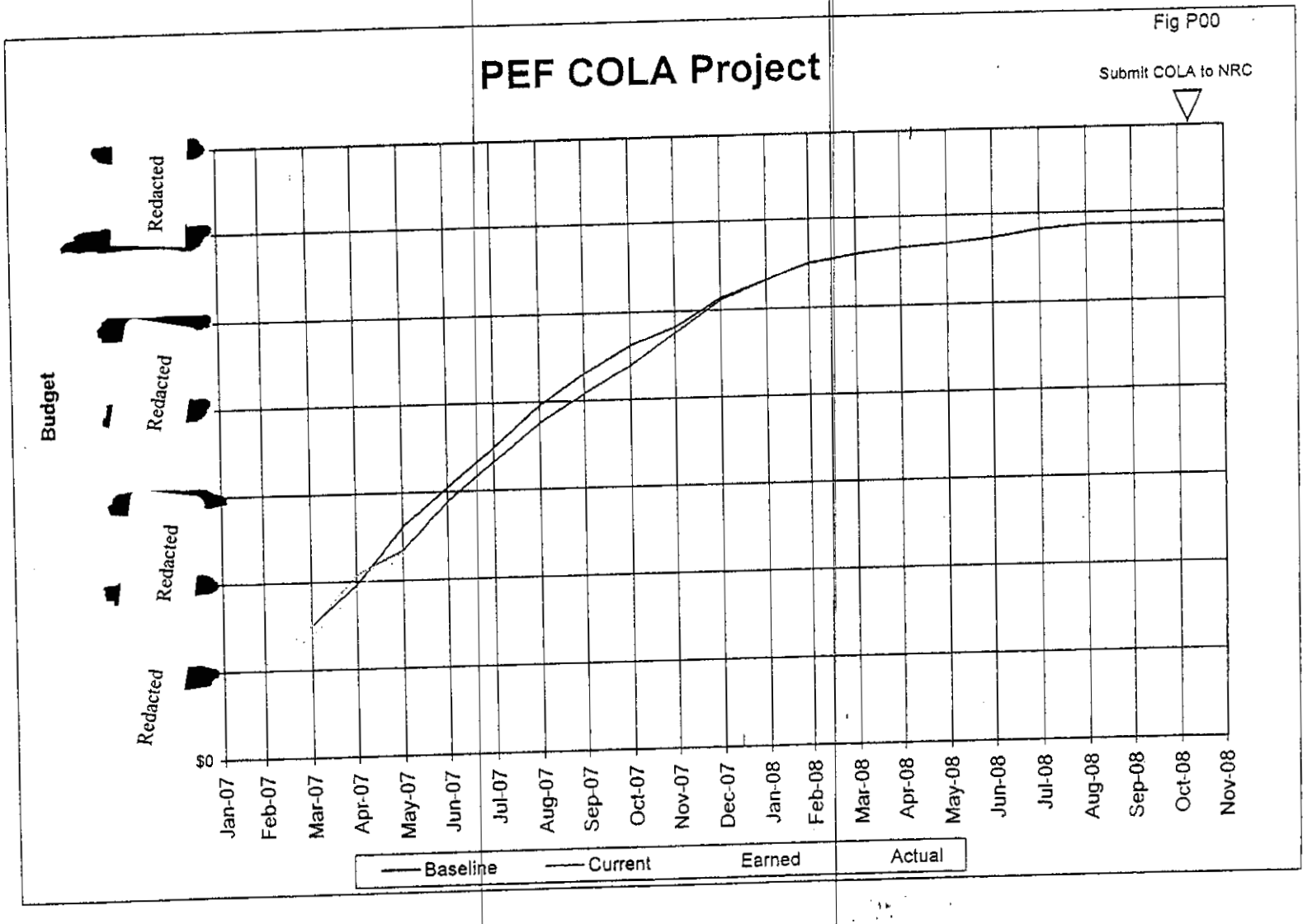
ATTACHMENT B

SUMMARY OF APPROVED AND PENDING SCOPE REVISIONS BY IMPACT EVALUATION NUMBER

			Month Ending		May 2007
Impact Eval. No.	Description	Task #	Date	Amount	Status
40	Fieldwork Phase I	2	2/28/2007	[redacted]	IE Approved
40	Fieldwork/Lab Analysis	3	2/28/2007		IE Approved
40	Environmental scope for PPSA and Greenway	4	2/28/2007		IE Approved
40	Additional PM - Fieldwork & ER	11	2/28/2007		IE Approved
	Total				
43	Wetland drilling and tree removal	13	5/1/2007		E Approved
43	Additional PM scope - Drilling	11	5/1/2007		E Approved
	Total				
45	Site Grading and Drainage	12	5/14/2007		Pending
45	Additional PM scope - Grading & Drainage	11	5/14/2007		Pending
	Total				
50	Aquatic Ecological Sampling	4	5/22/2007		Pending
50	Additional PM scope - Fieldwork	11	5/22/2007		Pending
	Total				
	Total Amount Approved				
	Total Amount Pending Approval				

CONFIDENTIAL

Fig- 0



ATTACHMENT C

CONFIDENTIAL

Monthly Performance Summary — Month Ending May 2007

Task #	Description	Client Budget MH	Client Budget $	% Complete	% Scheduled	BCWS MH	BCWS $	BCWP MH	BCWP $	ACWP MH	ACWP $	SV MH	SV $	CV MH	CV $	SPI MH	SPI $	CPI MH	CPI $
1	Prepare/Submit COLA, DCO Departure Report, and General and Administrative Requirements																		
	Target Price	1,250		0%	0%	0		0		0		0		0					
	Direct Expenses including Travel																		
2	Site Investigation and Seismic and Geotechnical Analysis - Subcontractor Scope																		
	Target Price			64%	53%	0		0		0		0		0			1.01		0.89
	Direct Expenses including Travel																		
3	FSAR Chapter 2 - Site Characteristics																		
	Target Price	15,870		31%	28%	4802		5340		5960		738		-620		1.16	1.06	0.90	0.98
	Direct Expenses including Travel			100%	100%														
4	EA, Site Redress Plan, and EP																		
	Target Price	18,090		15%	14%	2533		2540		2520		7		20		1.00	1.00	1.01	0.95
	Direct Expenses including Travel			80%	80%														
5	FSAR Technology Chapters 4, 5, 6, 7 and 12																		
	Target Price	840		0%	0%	0		0		0		0		0					
	Direct Expenses including Travel			0%	0%														
6	FSAR Chapters 13, 14 and 16																		
	Target Price	1,260		0%	0%	0		0		0		50		0					
	Direct Expenses including Travel			0%	0%														
7	FSAR Chapters 1, 3, 8, 17, 18 and 19																		
	Target Price	3,840		0%	0%	0		0		0		0		0					
	Direct Expenses including Travel			0%	0%														
8	FSAR Chapters 9,10,11 and 15																		
	Target Price	4,870		2%	2%	93		110		100		17		10		1.18	1.22	1.10	1.07
	Direct Expenses including Travel			0%	0%														
9	Programs, Procedures and Plan Separate from FSAR																		
	Target Price	2,840		0%	0%	0		0		0		0		0					
	Direct Expenses including Travel			0%	0%														
10	Conceptual Design separate from FSAR																		
	Target Price	2,280		2%	2%	46		50		46		4		4		1.09	1.09	1.09	1.06
	Direct Expenses including Travel			0%	0%														
11	Project Management Activities																		
	Target Price	13,360		27%	27%	3607		3700		2580		93		1110		1.03	1.01	1.43	1.24
	Direct Expenses including Travel			100%	100%														
12	Site Unique Scope not in RFP																		
	Target Price	1,320		97%	97%	1220		1230		1220		10		10		1.01	1.00	1.01	1.05
	Direct Expenses including Travel			52%	52%														
13	COLA Fieldwork																		
	Target Price	16,550		67%	67%	13,363		12,770		13,220		-593		52			1.00		1.01
	Direct Expenses including Travel			36%	36%														
	Total Target Price	82,300		38.6%	36.1%	25464		26740		25668		276		586		1.01	1.01	1.00	1.02
	Total Direct Expenses including Travel			46.7%	46.7%														

Redacted

Redacted

Redacted

Redacted

Redacted

Redacted

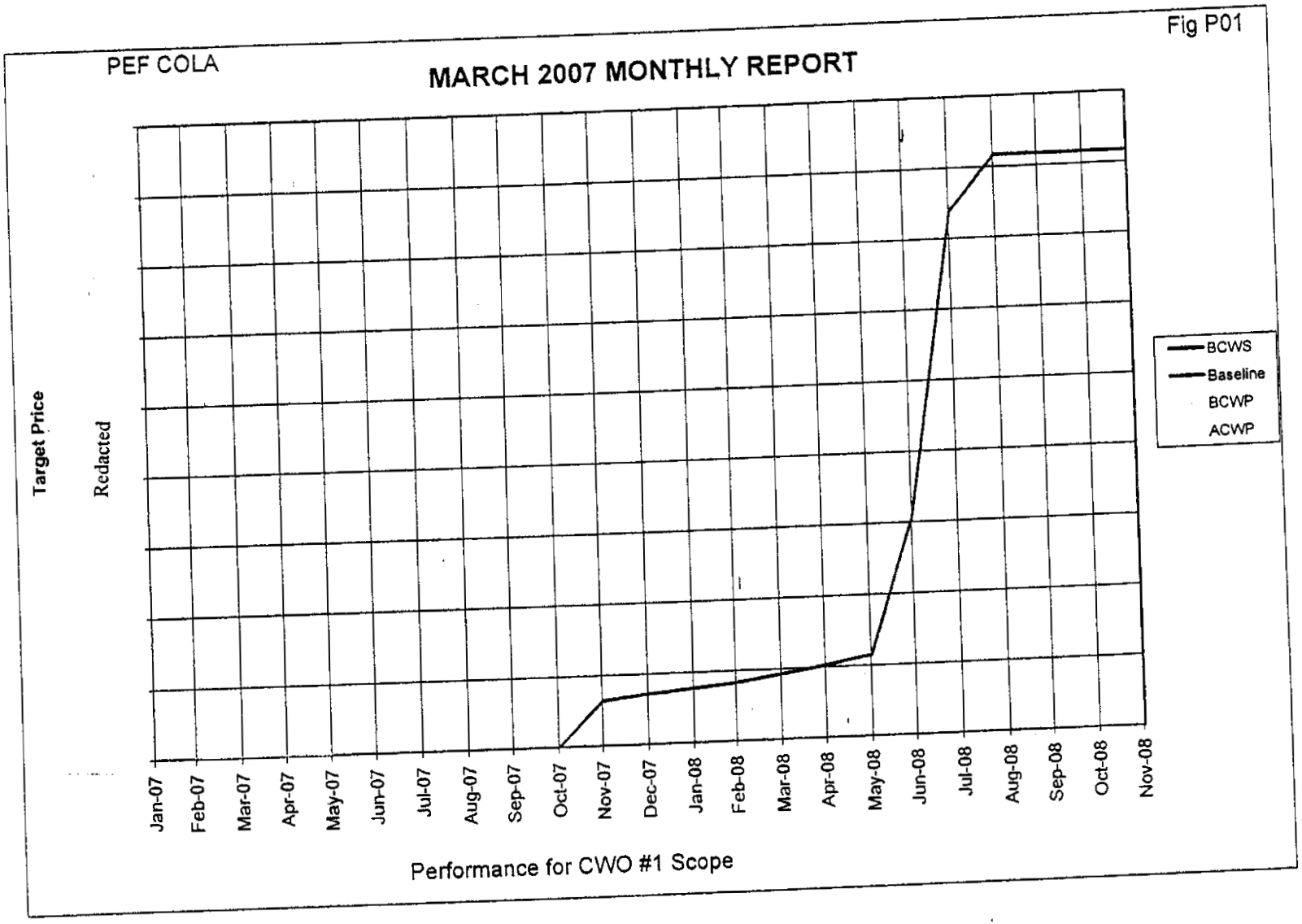
Key:

% Complete	This reflects the current stage of the task and thus helps gage the significance of the performance data.
BCWS	Budgeted Cost of Work Scheduled: This reflects the value of the work that was to be complete by this point in time per the work plan.
BCWP	Budgeted Cost of Work Performed: This reflects the value of the work that has been completed (Earned Value)
ACWP	Actual Cost of Work Performed: This reflects the actual expenditure to date
SV	Schedule Variance (SV = BCWP - BCWS): This measures the deviation from the project schedule (negative no. indicates behind schedule)
CV	Cost Variance (CV = BCWP - ACWP): This measures the deviation from the project budget (negative no. indicates budget overrun)
SPI	Schedule Performance Index (SPI = BCWP/BCWS): This reflects performance relative to project schedule. (> 1.0 indicates ahead of schedule)
CPI	Cost Performance Index (CPI = BCWP/ACWP): This reflects performance relative to project budget. (>1.0 indicates under budget)

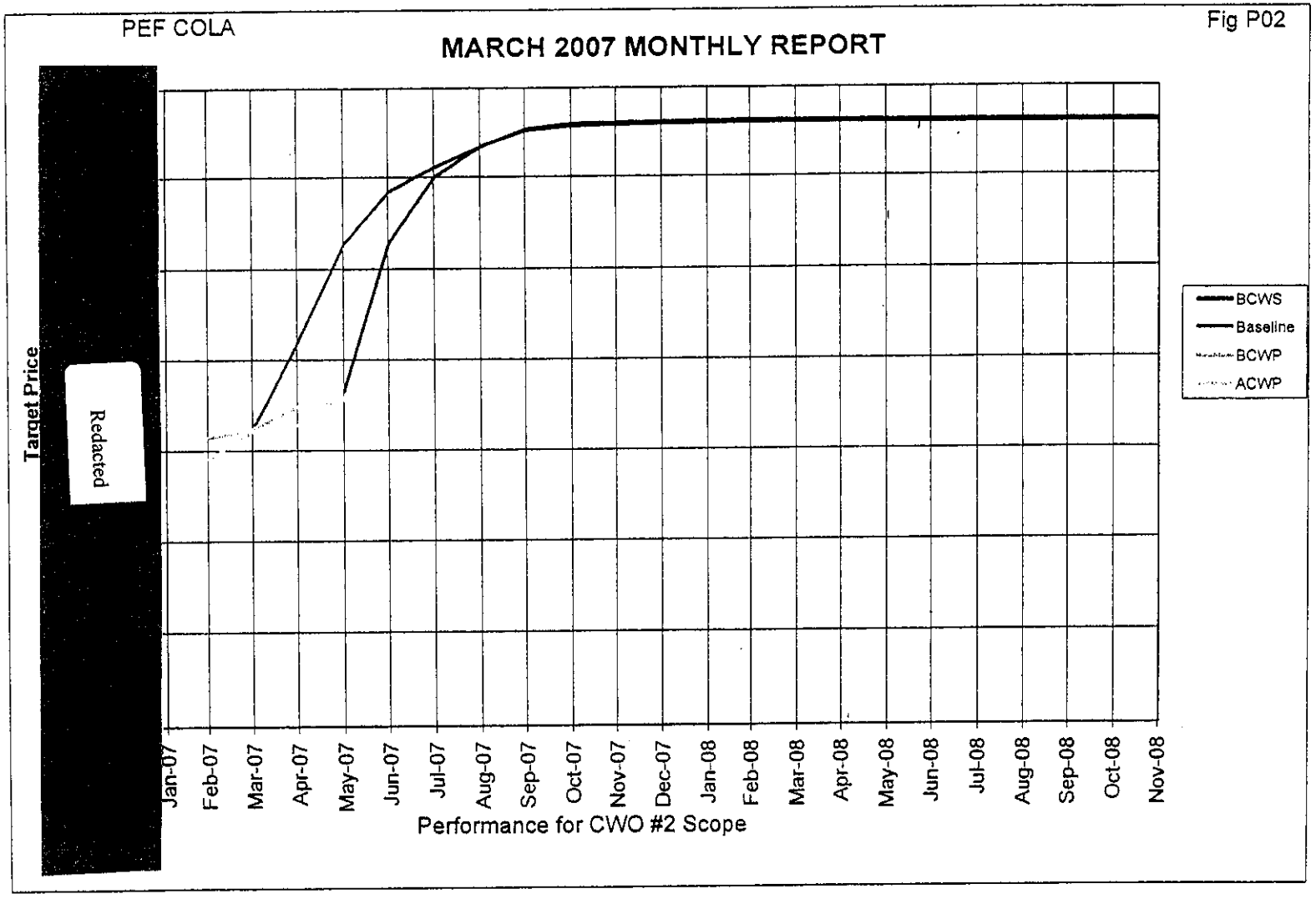
Fig P01

PEF COLA

MARCH 2007 MONTHLY REPORT

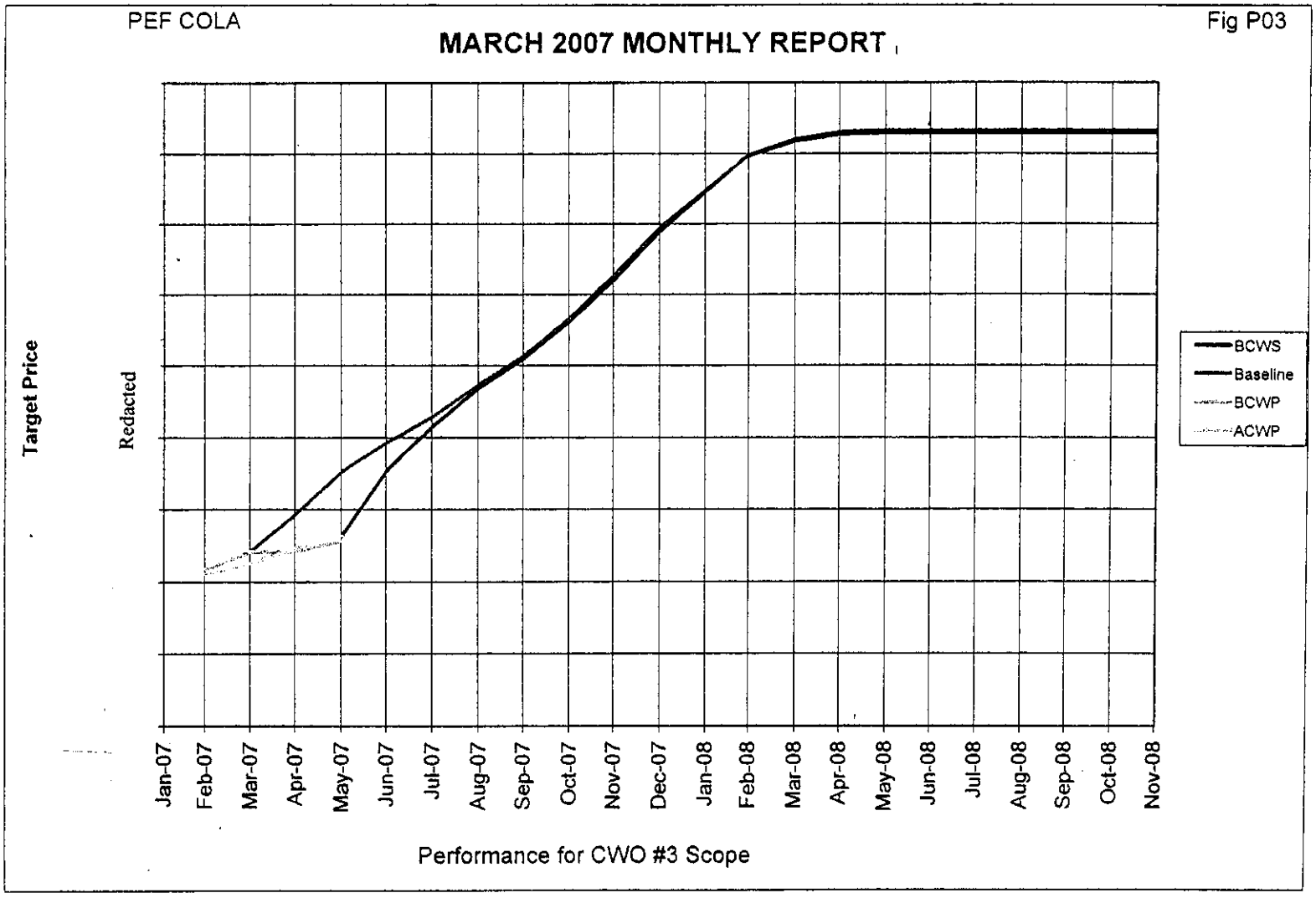


CONFIDENTIAL



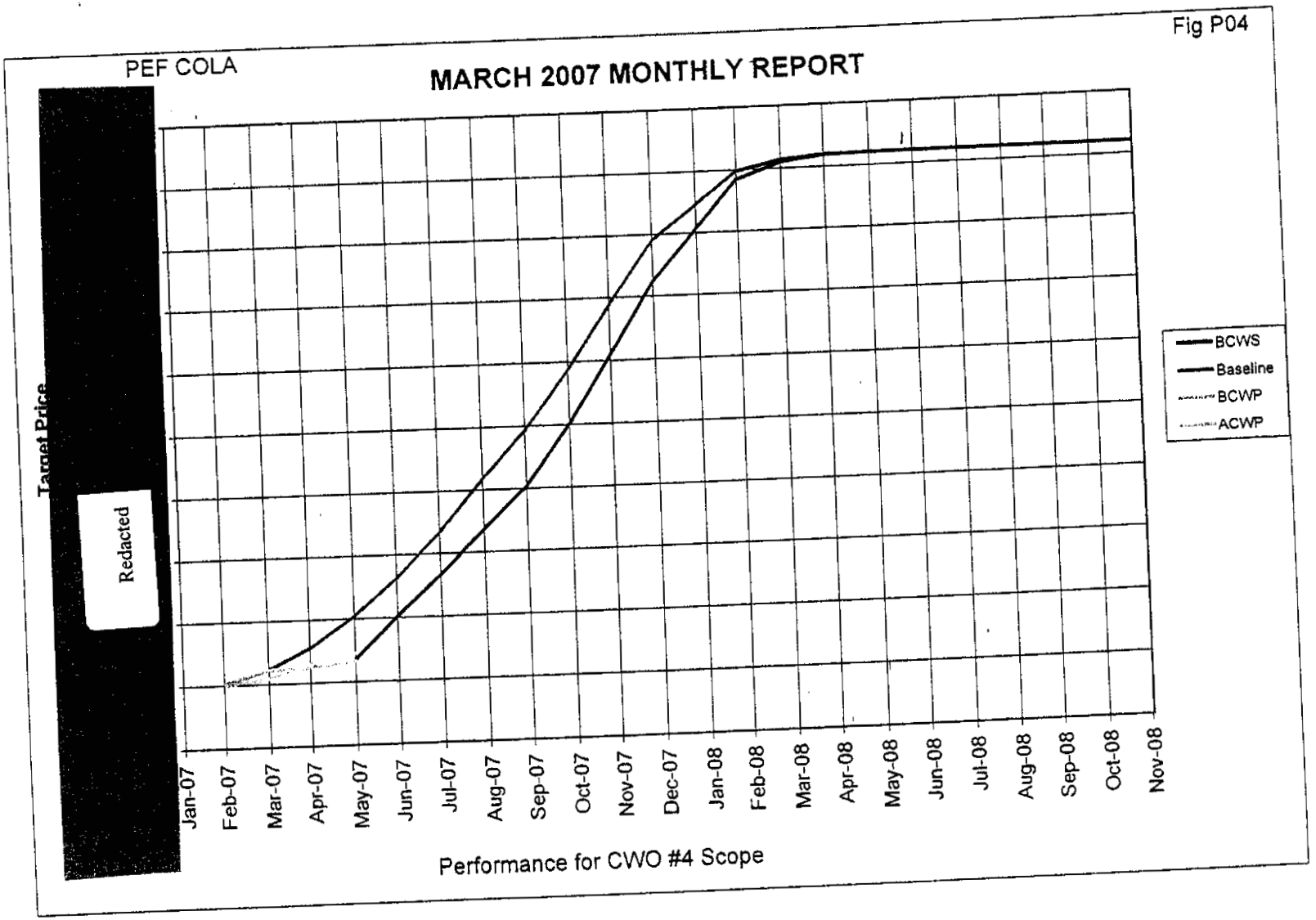
PEF COLA

Fig P03



CONFIDENTIAL

Fig P04

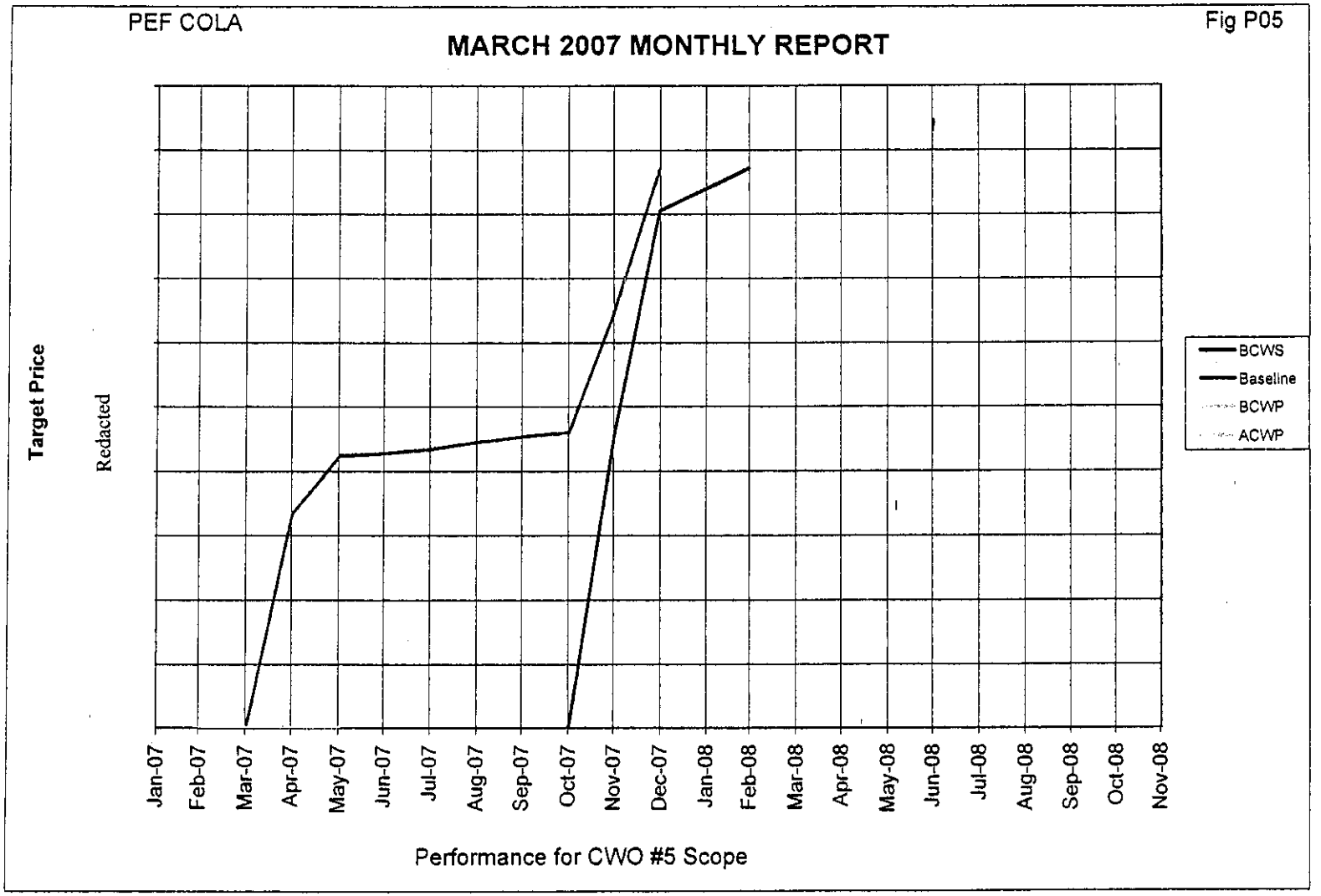


CONFIDENTIAL

PEF COLA

Fig P05

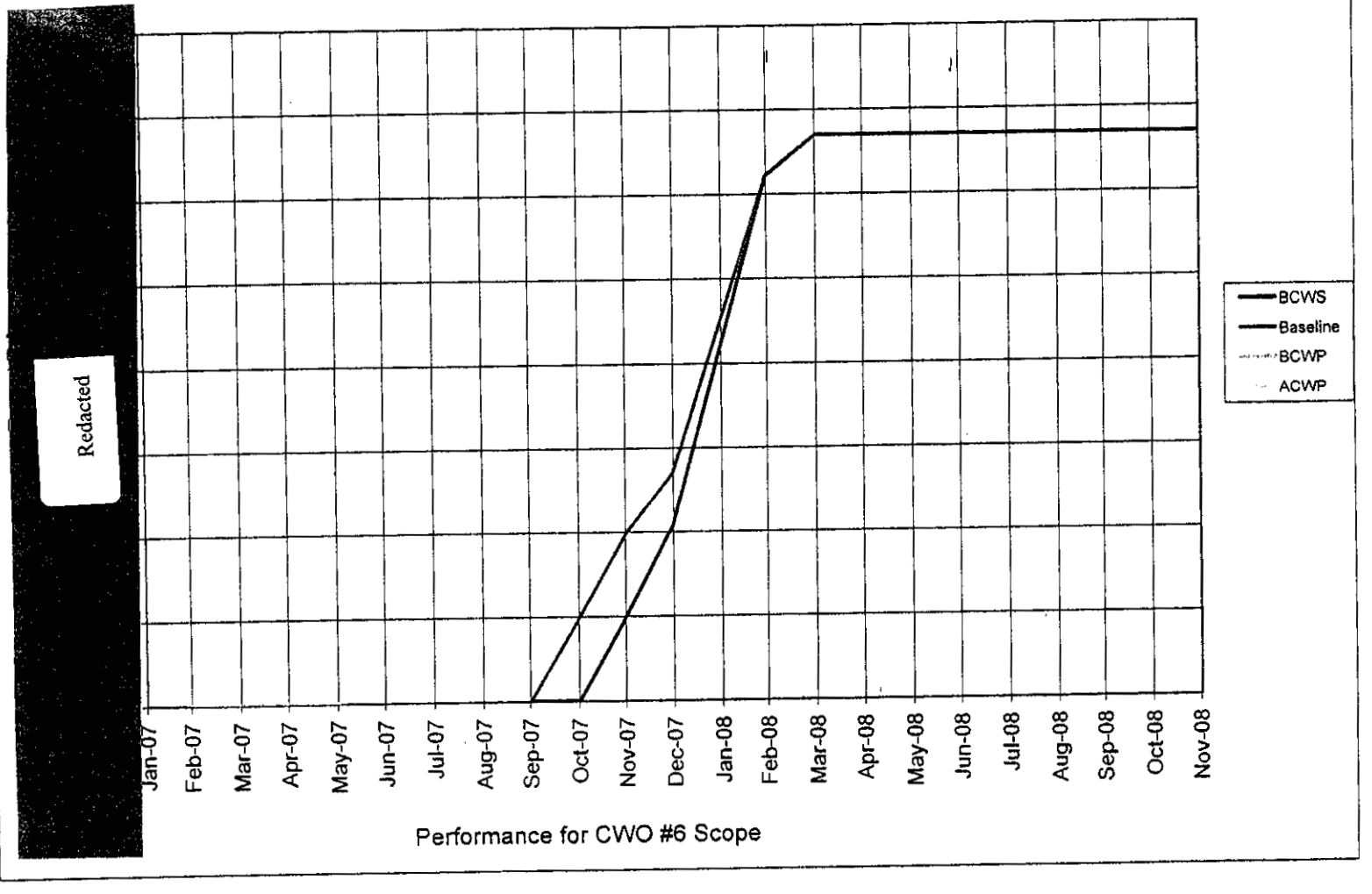
MARCH 2007 MONTHLY REPORT



PEF COLA

Fig P06

MARCH 2007 MONTHLY REPORT



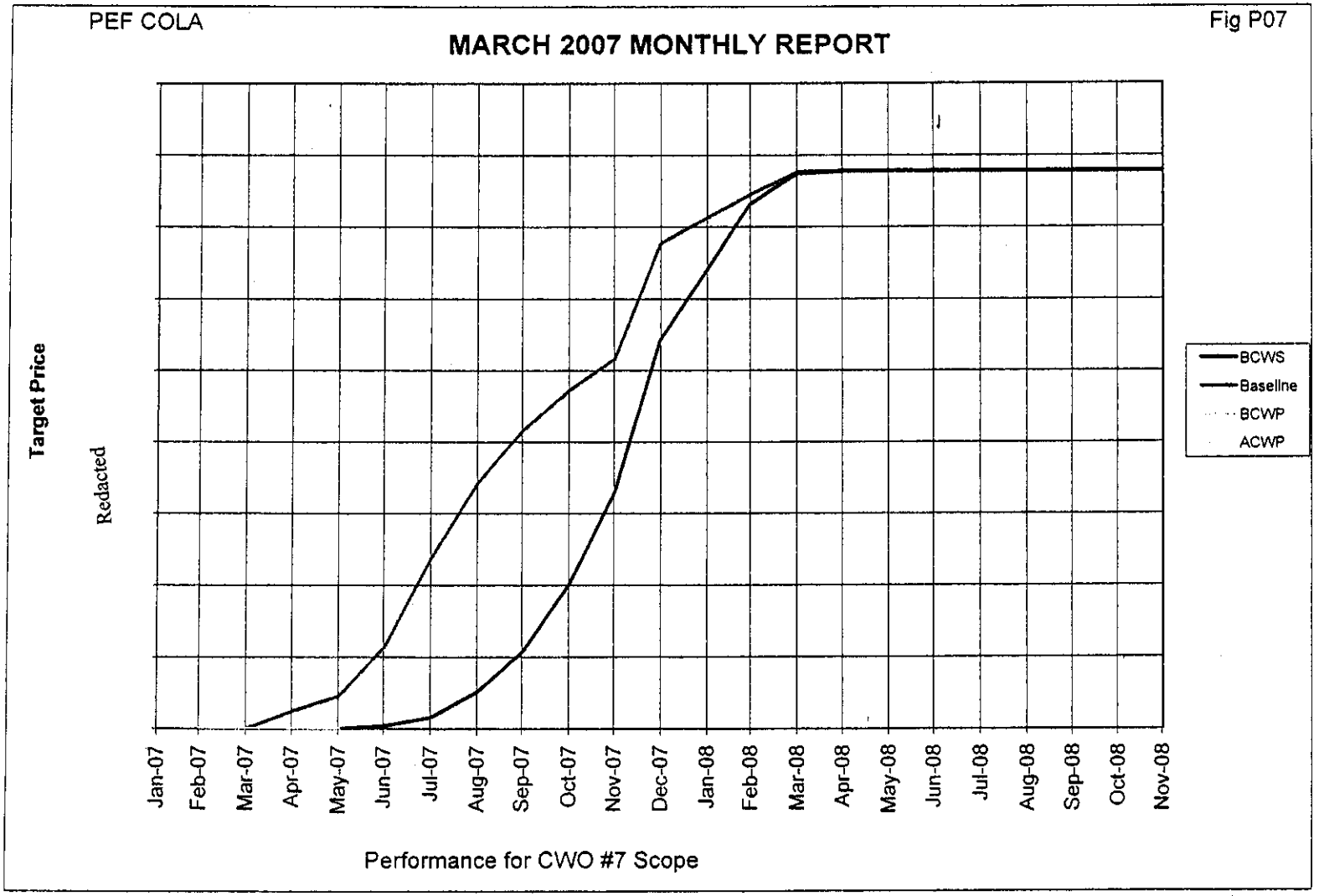
Performance for CWO #6 Scope

CONFIDENTIAL

PEF COLA

Fig P07

MARCH 2007 MONTHLY REPORT

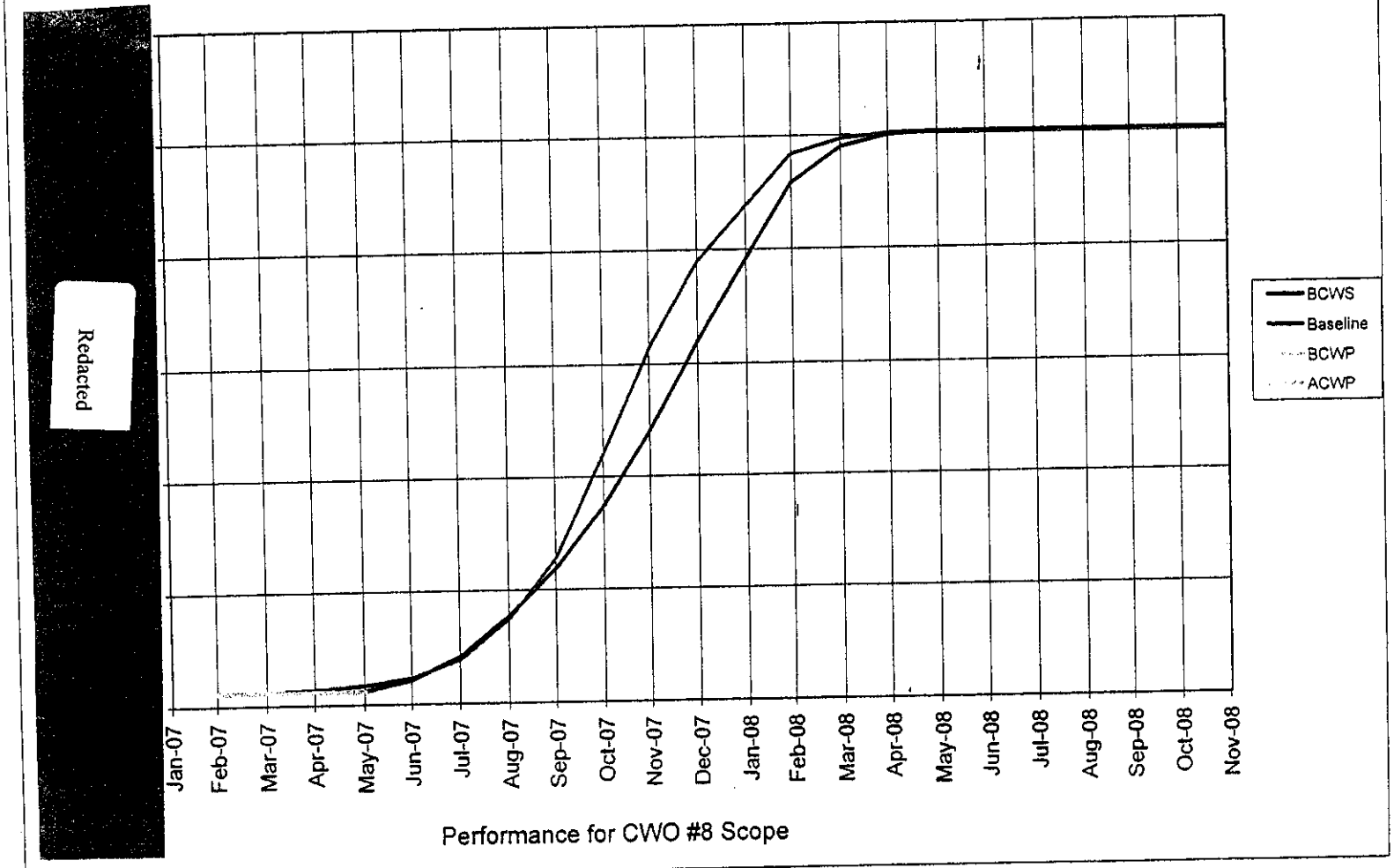


[1] CONFIDENTIAL

Fig P08

PEF COLA

MARCH 2007 MONTHLY REPORT



Performance for CWO #8 Scope

CONFIDENTIAL

PEF COLA

Fig P09

MARCH 2007 MONTHLY REPORT

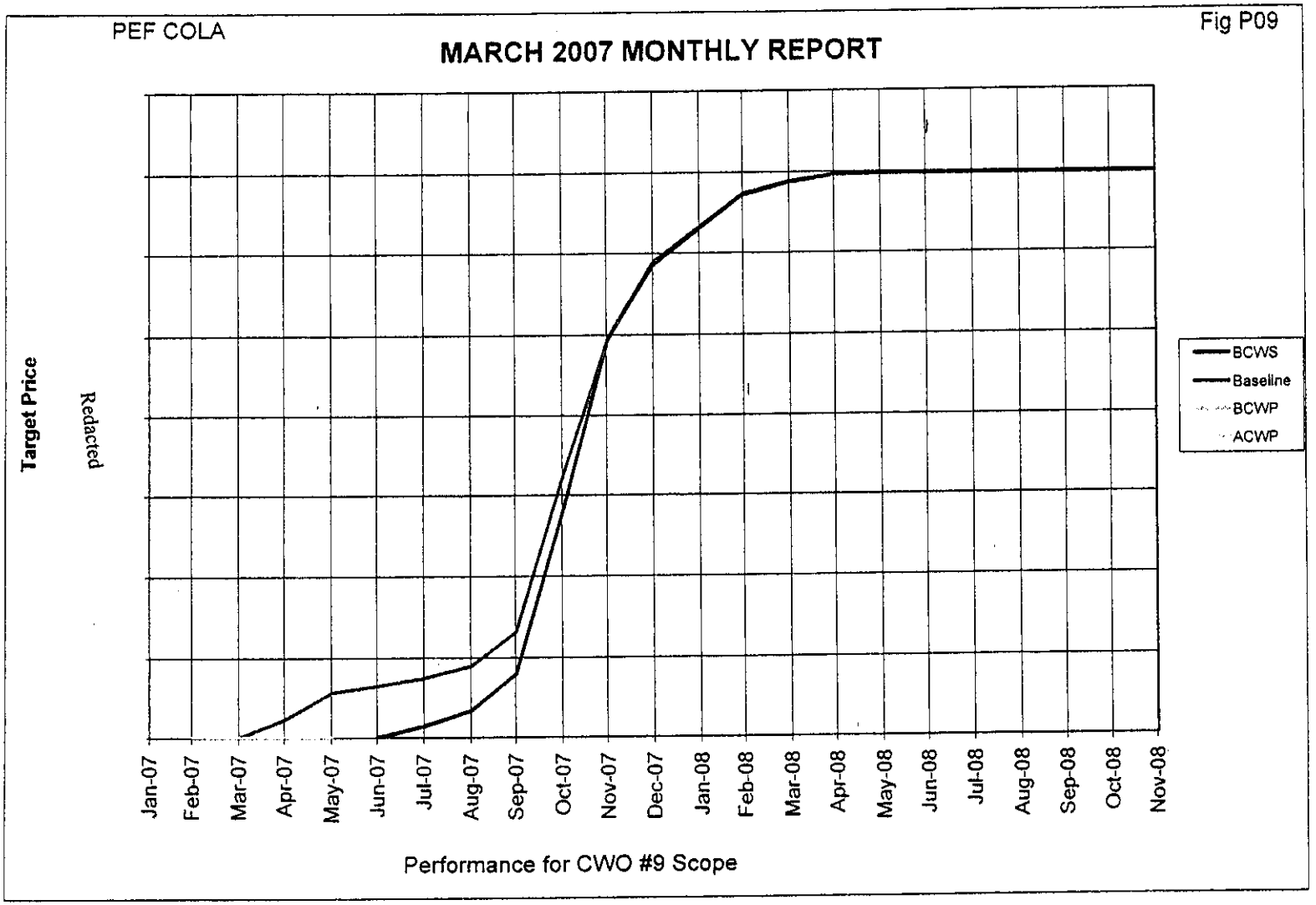
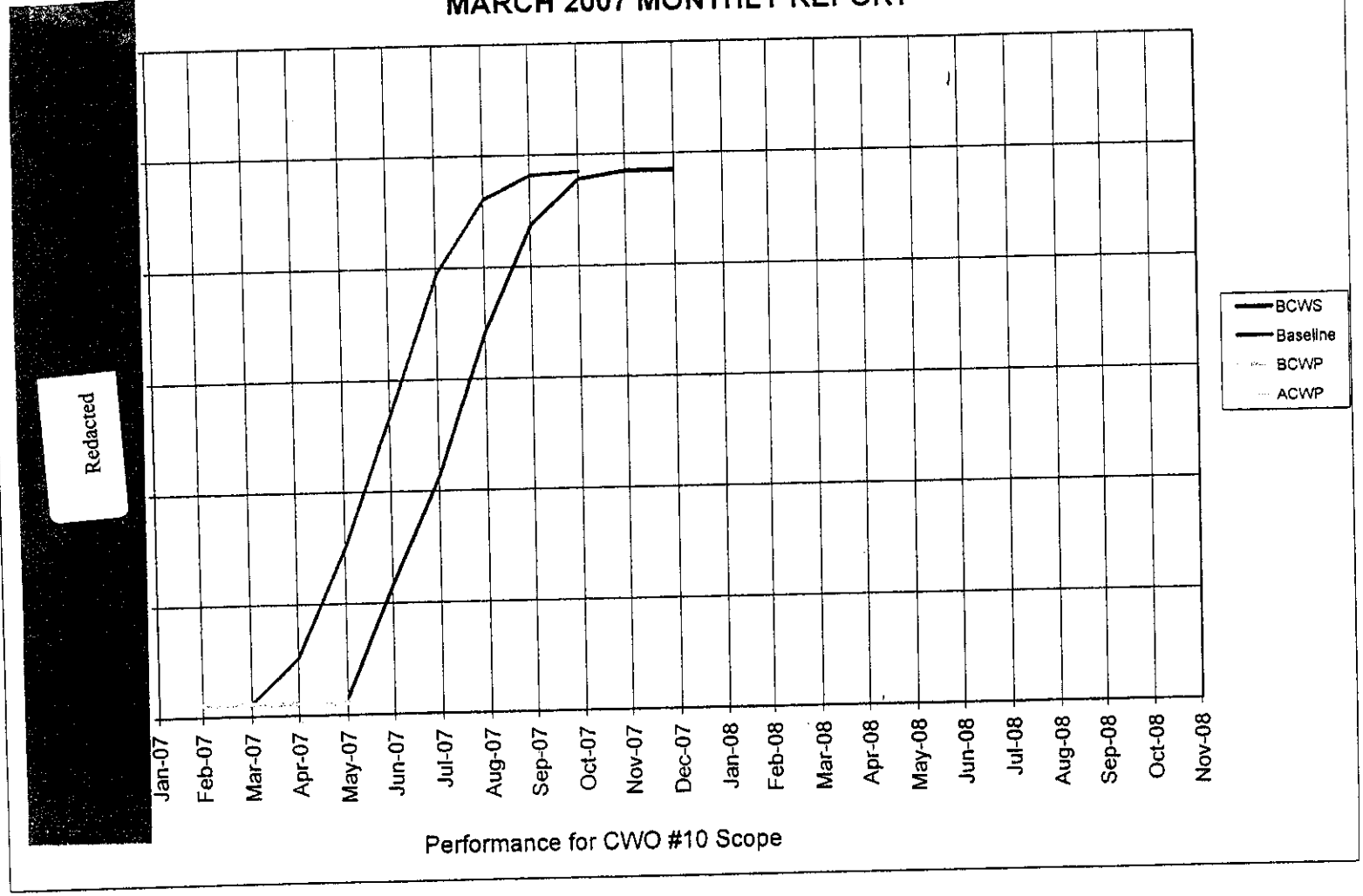


Fig P10

PEF COLA

MARCH 2007 MONTHLY REPORT



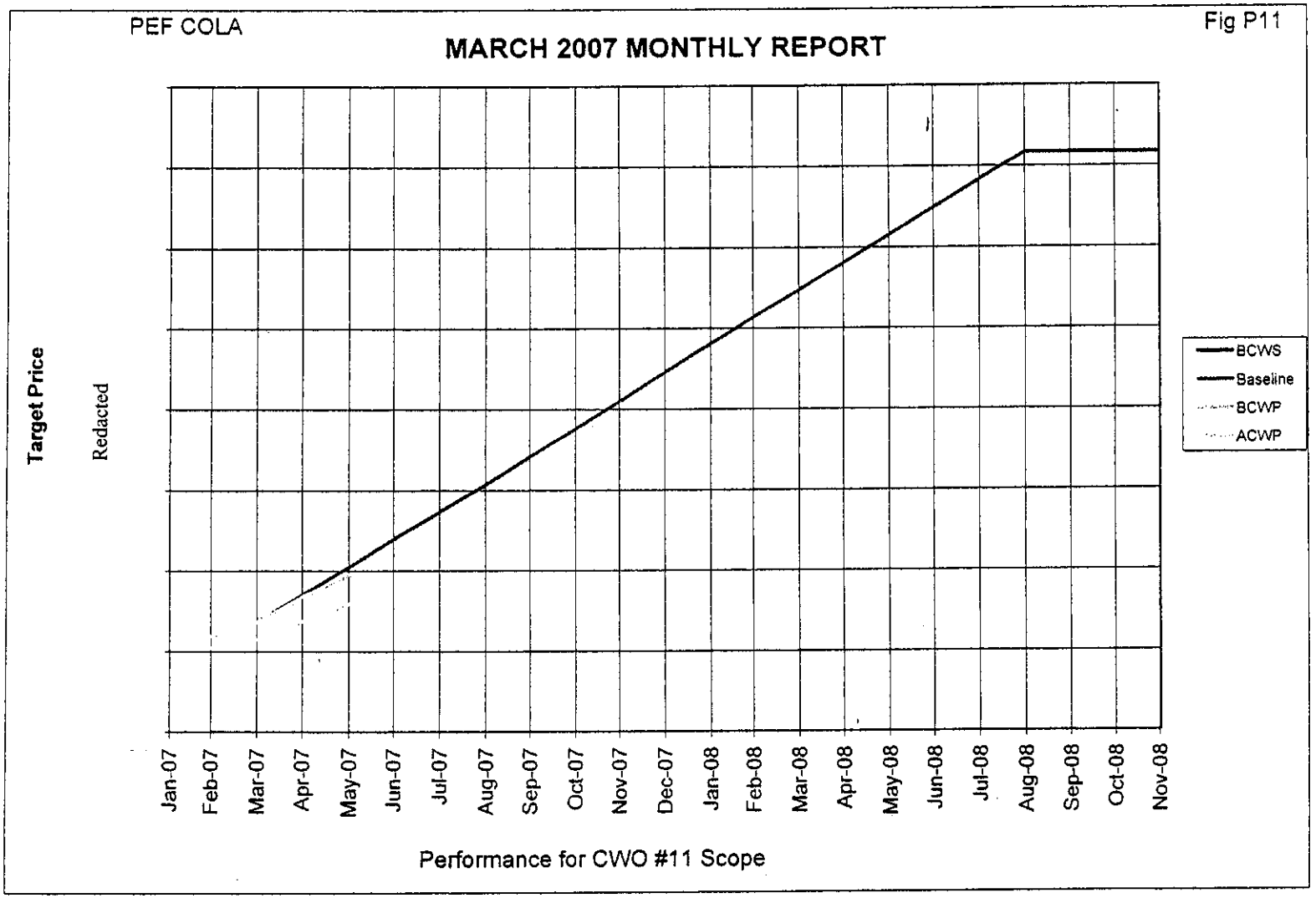
Performance for CWO #10 Scope

CONFIDENTIAL

PEF COLA

Fig P11

MARCH 2007 MONTHLY REPORT



CONFIDENTIAL

Fig P12

PEF COLA

MARCH 2007 MONTHLY REPORT

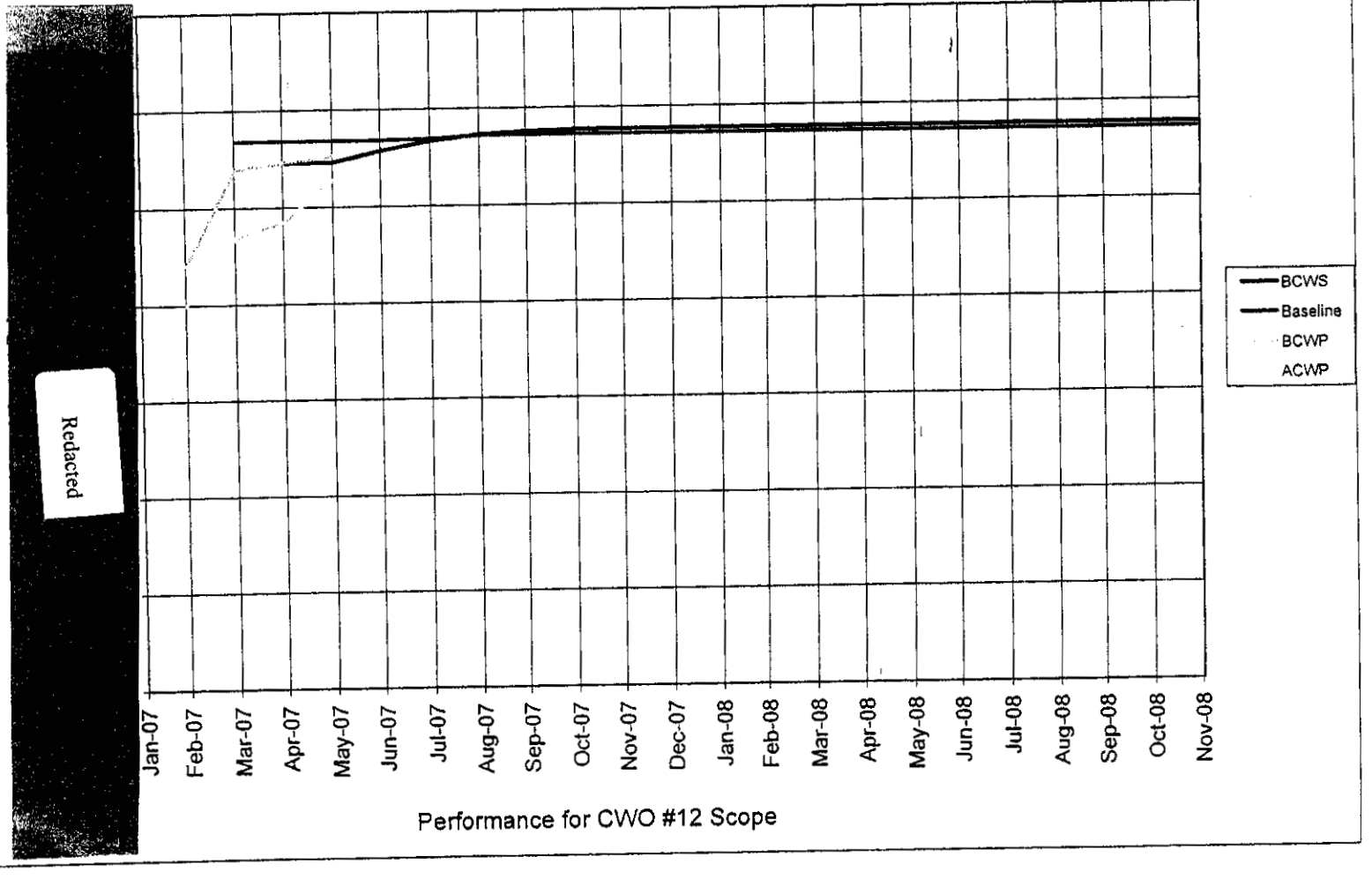
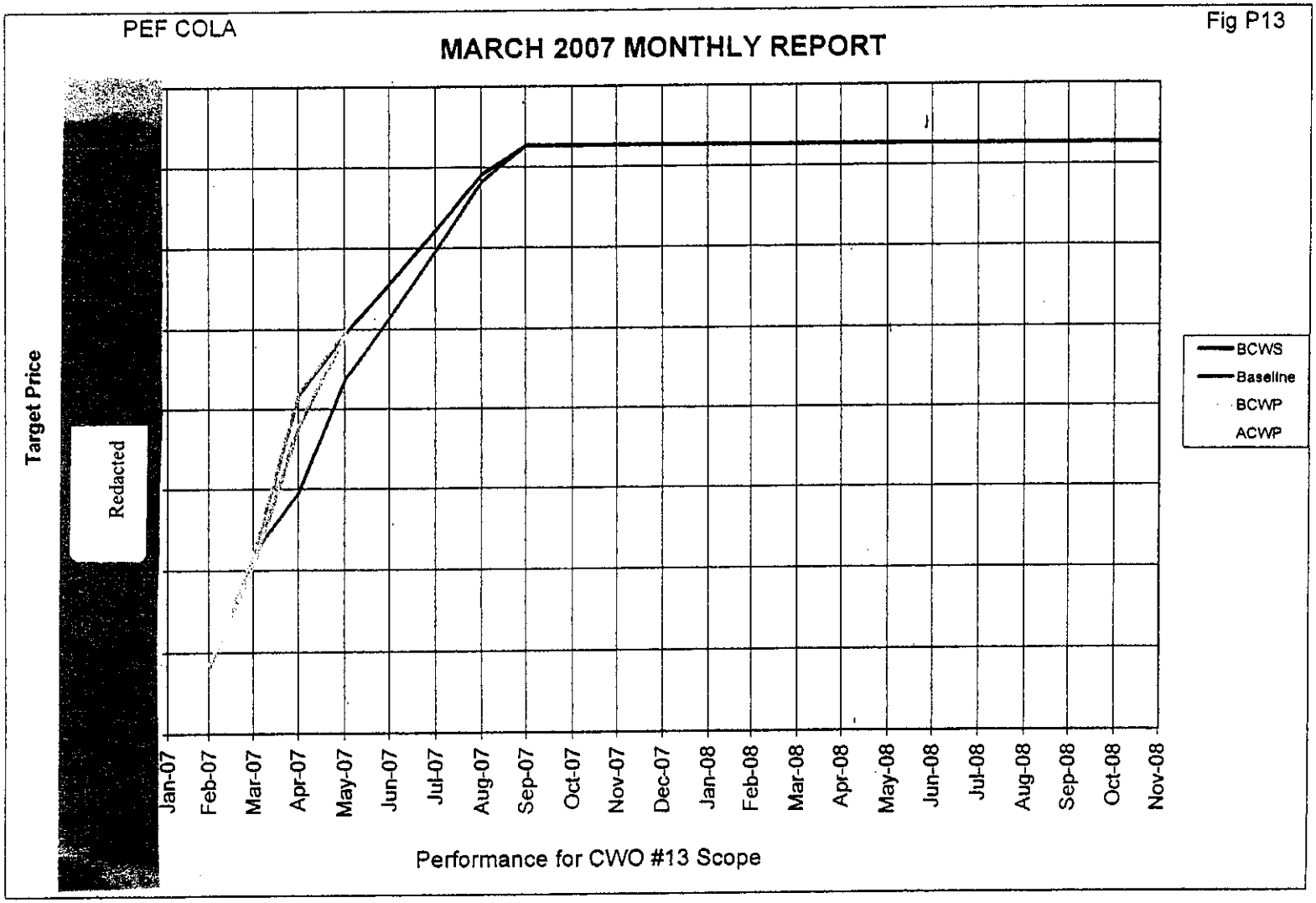
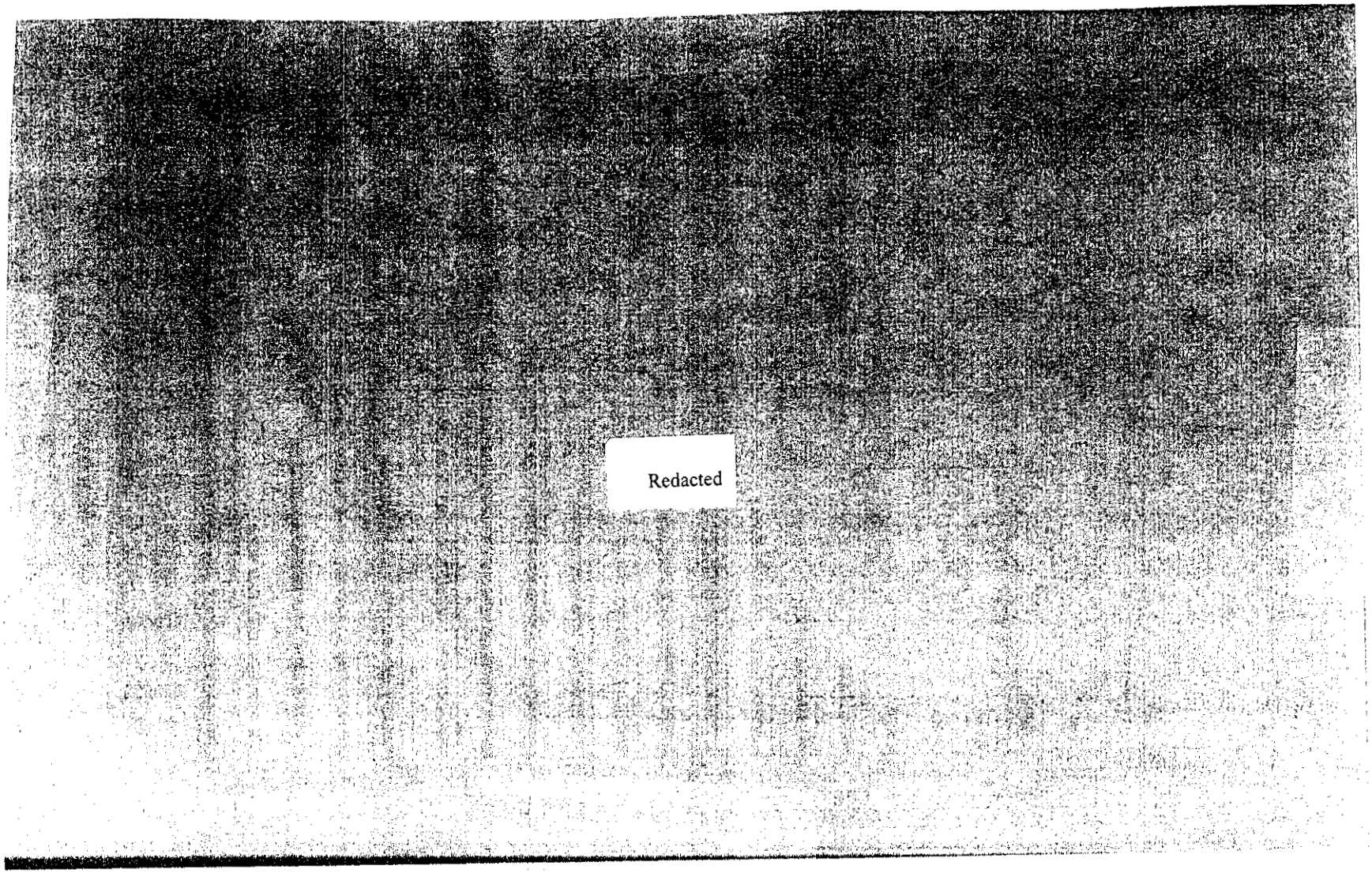


Fig- 13

CONFIDENTIAL



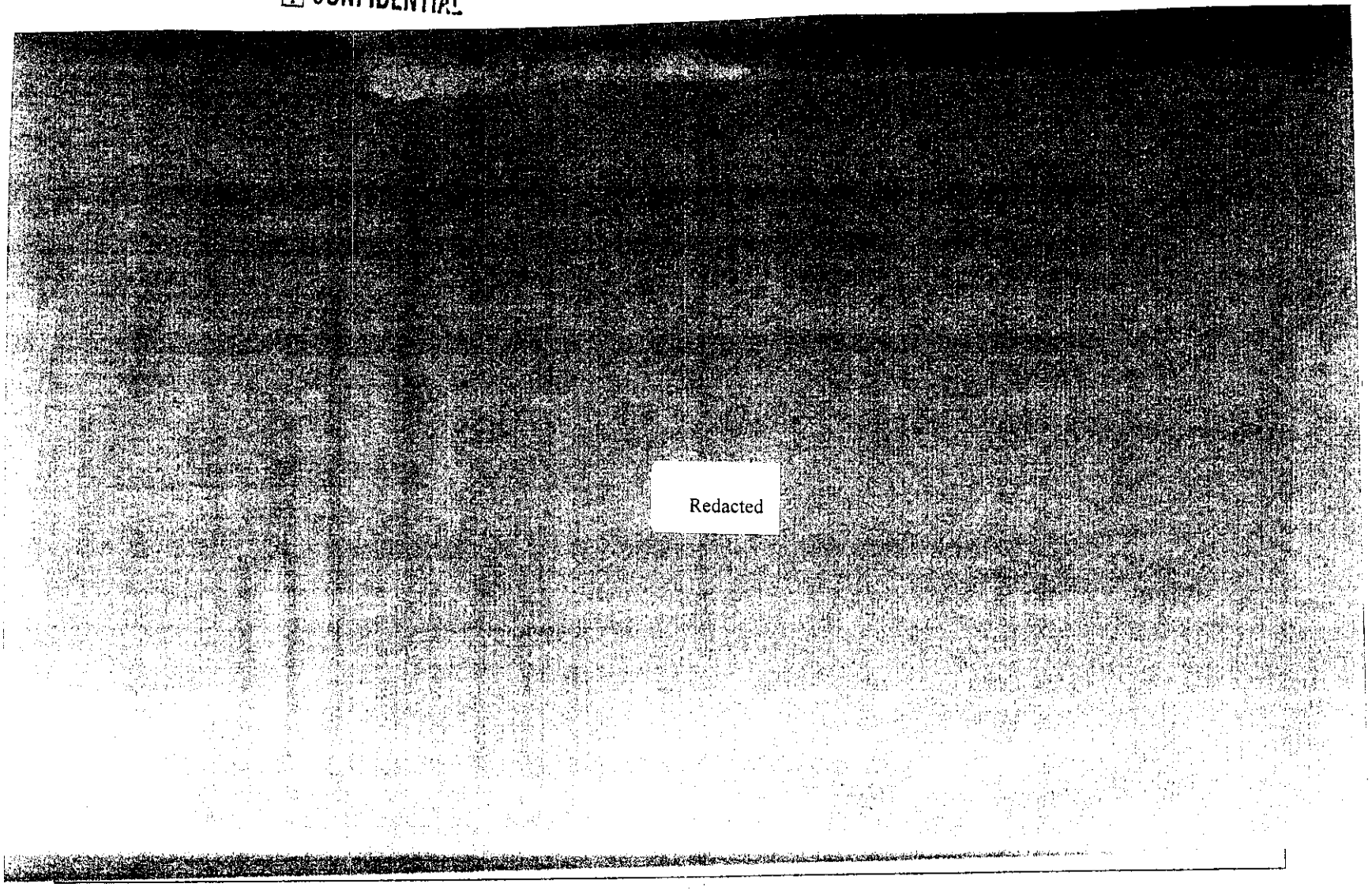
CONFIDENTIAL

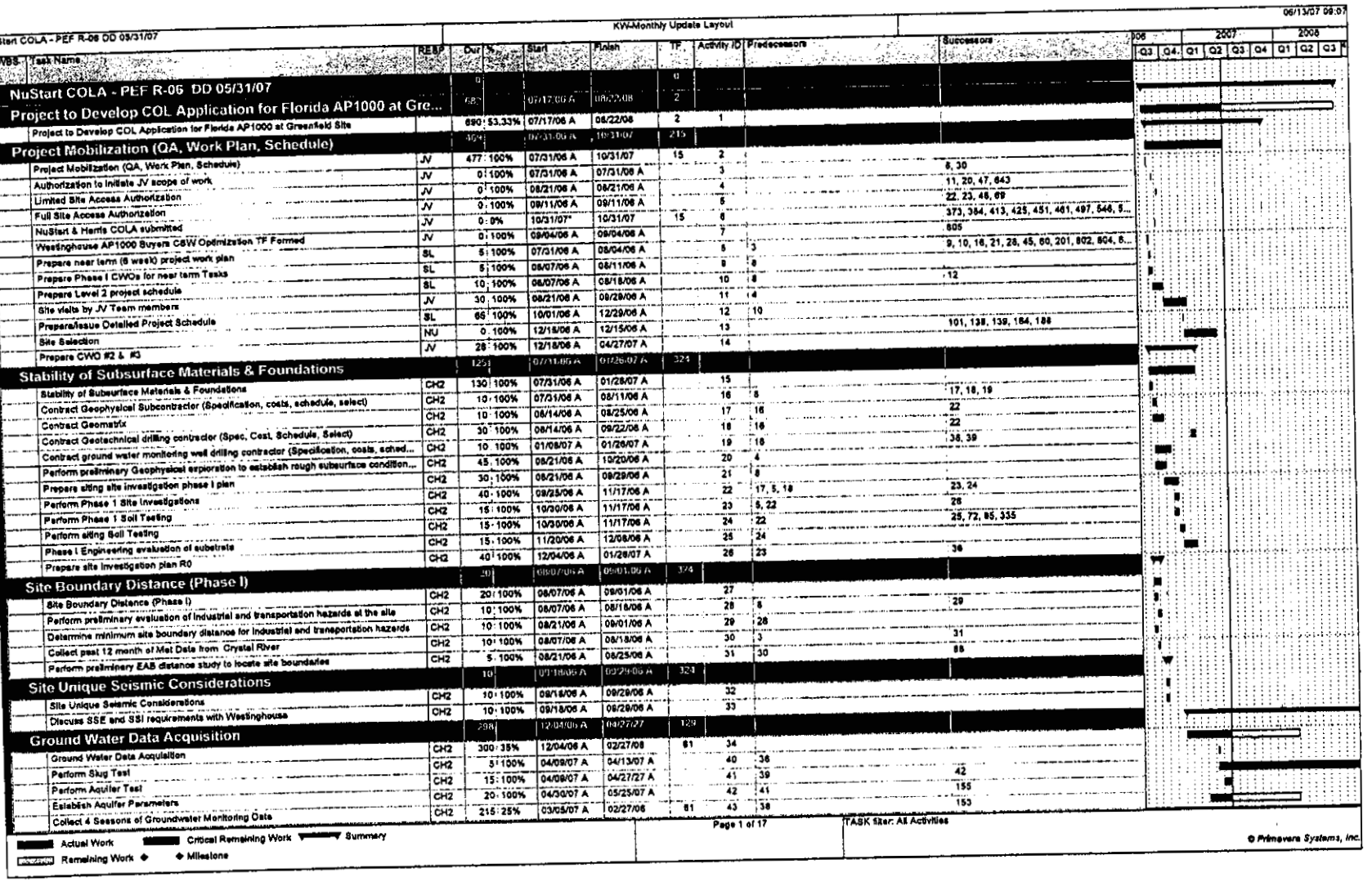


12 PAGES

CONFIDENTIAL

CONFIDENTIAL





NuStart COLA - PEF R-06 DD 05/31/07 — KW-Monthly Update Layout — 06/13/07 09:07

WBS	Task Name	RESP	Dur	%	Start	Finish	TF	Activity ID	Predecessors	Successors
	NuStart COLA - PEF R-06 DD 05/31/07		0				0			
	Project to Develop COL Application for Florida AP1000 at Gre...		680		07/17/06 A	08/22/08	2			
	Project to Develop COL Application for Florida AP1000 at Greenfield Site		680	53.33%	07/17/06 A	08/22/08	2	1		
	Project Mobilization (QA, Work Plan, Schedule)		304		07/31/06 A	10/31/07	215			
	Project Mobilization (QA, Work Plan, Schedule)	JV	477	100%	07/31/06 A	10/31/07	15	2		
	Authorization to initiate JV scope of work	JV	0	100%	07/31/06 A	07/31/06 A		3		8, 30
	Limited Site Access Authorization	JV	0	100%	08/21/06 A	08/21/06 A		4		11, 20, 47, 643
	Full Site Access Authorization	JV	0	100%	09/11/06 A	09/11/06 A		5		22, 23, 48, 69
	NuStart & Harris COLA submitted	JV	0	0%	10/31/07*	10/31/07	15	6		373, 384, 413, 425, 451, 461, 497, 646, 5...
	Westinghouse AP1000 Buyers CSW Optimization TF Formed	JV	0	100%	08/04/06 A	08/04/06 A		7		805
	Prepare near term (6 week) project work plan	SL	5	100%	07/31/06 A	08/04/06 A		8	3	9, 10, 16, 21, 26, 45, 60, 201, 802, 804, 8...
	Prepare Phase I CWOs for near term Tasks	SL	5	100%	08/07/06 A	08/11/06 A		9	8	
	Prepare Level 2 project schedule	SL	10	100%	08/07/06 A	08/18/06 A		10	8	12
	Site visits by JV Team members	JV	30	100%	08/21/06 A	09/29/06 A		11	4	
	Prepare/Issue Detailed Project Schedule	SL	65	100%	10/01/06 A	12/29/06 A		12	10	
	Site Selection	NU	0	100%	12/15/06 A	12/15/06 A		13		101, 138, 139, 184, 186
	Prepare CWO #2 & #3	JV	28	100%	12/18/06 A	04/27/07 A		14		
	Stability of Subsurface Materials & Foundations		125		07/31/06 A	01/26/07 A	324			
	Stability of Subsurface Materials & Foundations	CH2	130	100%	07/31/06 A	01/26/07 A		15		
	Contract Geophysical Subcontractor (Specification, costs, schedule, select)	CH2	10	100%	07/31/06 A	08/11/06 A		16	8	17, 18, 19
	Contract Geomatrix	CH2	10	100%	08/14/06 A	08/25/06 A		17	16	22
	Contract Geotechnical drilling contractor (Spec, Cost, Schedule, Select)	CH2	30	100%	08/14/06 A	09/22/06 A		18	16	22
	Contract ground water monitoring well drilling contractor (Specification, costs, sched...	CH2	10	100%	01/08/07 A	01/26/07 A		19	18	38, 39
	Perform preliminary Geophysical exploration to establish rough subsurface condition...	CH2	45	100%	08/21/06 A	10/20/06 A		20	4	
	Prepare siting site investigation phase I plan	CH2	30	100%	08/21/06 A	09/29/06 A		21	8	
	Perform Phase 1 Site Investigations	CH2	40	100%	09/25/06 A	11/17/06 A		22	17, 5, 18	23, 24
	Perform Phase 1 Soil Testing	CH2	15	100%	10/30/06 A	11/17/06 A		23	5, 22	26
	Perform siting Soil Testing	CH2	15	100%	10/30/06 A	11/17/06 A		24	22	25, 72, 85, 335
	Phase I Engineering evaluation of subsrtate	CH2	15	100%	11/20/06 A	12/08/06 A		25	24	
	Prepare site investigation plan R0	CH2	40	100%	12/04/06 A	01/26/07 A		26	23	36
	Site Boundary Distance (Phase I)		20		08/07/06 A	09/01/06 A	324			
	Site Boundary Distance (Phase I)	CH2	20	100%	08/07/06 A	09/01/06 A		27		
	Perform preliminary evaluation of industrial and transportation hazards at the site	CH2	10	100%	08/07/06 A	08/18/06 A		28	8	29
	Determine minimum site boundary distance for industrial and transportation hazards	CH2	10	100%	08/21/06 A	09/01/06 A		29	28	
	Collect past 12 month of Met Data from Crystal River	CH2	10	100%	08/07/06 A	08/18/06 A		30	3	31
	Perform preliminary EAB distance study to locate site boundaries	CH2	5	100%	08/21/06 A	08/25/06 A		31	30	88
	Site Unique Seismic Considerations		10		09/18/06 A	09/29/06 A	324			
	Site Unique Seismic Considerations	CH2	10	100%	09/18/06 A	09/29/06 A		32		
	Discuss SSE and SSI requirements with Westinghouse	CH2	10	100%	09/18/06 A	09/29/06 A		33		
	Ground Water Data Acquisition		298		12/04/06 A	04/27/27	129			
	Ground Water Data Acquisition	CH2	300	35%	12/04/06 A	02/27/08	81	34		
	Perform Slug Test	CH2	5	100%	04/09/07 A	04/13/07 A		40	36	
	Perform Aquifer Test	CH2	15	100%	04/09/07 A	04/27/27 A		41	39	42
	Establish Aquifer Parameters	CH2	20	100%	04/30/07 A	05/25/07 A		42	41	155
	Collect 4 Seasons of Groundwater Monitoring Data	CH2	215	25%	03/05/07 A	02/27/08	81	43	38	153

2006 | 2007 | 2008 — Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3

Actual Work — Critical Remaining Work — Summary
Remaining Work — Milestone

Page 1 of 17

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

NuStart COLA - PEF R-08 DD 05/31/07 | KW-Monthly Update Layout | 08/13/07 09:07

WBS	Task Name	RESP	Dur	%	Start	Finish	TF	Activity ID	Predecessors	Successors
	Prepare ground water monitoring plan		31		12/04/06 A	01/17/07 A	61			
	Prepare ground water monitoring plan	CH2	33	100%	12/04/06 A	01/17/07 A		35		
	Prepare Groundwater Monitoring Workplan	CH2	33	100%	12/04/06 A	01/17/07 A		36	28	38, 39
	Install ground water monitoring wells		26		01/29/07 A	02/23/07 A	100			
	Install ground water monitoring wells	CH2	20	100%	01/29/07 A	02/23/07 A		37		
	Install Groundwater Monitoring Wells (Site Wide)	CH2	15	100%	02/05/07 A	02/23/07 A		38	19, 36	40, 43
	Install Aquifer Test Wells	CH2	20	100%	01/29/07 A	02/23/07 A		39	36, 19	41
	Meteorological Data Acquisition		395		07/17/06 A	01/25/08	152			
	Meteorological Data Acquisition	CH2	400	57%	07/17/06 A	01/25/08	17	44		48
	Prepare procurement specifications for supply and erection of Met Tower	CH2	5	100%	07/17/06 A	07/21/06 A		45	8	
	Select Met Tower supply and erect contractor	CH2	5	100%	07/24/06 A	07/28/06 A		46	45	
	Select location of Met Tower	CH2	5	100%	08/21/06 A	08/25/06 A		47	4	
	Soil Borings and Foundation Design for Met tower	CH2	20	100%	09/11/06 A	10/06/06 A		48	5	49
	Foundation Construction Subcontractor Contracting	CH2	25	100%	09/04/06 A	10/06/06 A		49	46	55
	Complete Design Drawings	CH2	4	100%	10/20/06 A	10/25/06 A		50		51
	Tower Fabrication	CH2	23	100%	10/30/06 A	11/29/06 A		51	50	52
	Tower Shipping	CH2	4	100%	01/02/07 A	01/05/07 A		52	51	
	Prepare Construction Permit Application	CH2	25	100%	10/30/06 A	12/01/06 A		53		54
	Obtain Construction Permit	CH2	6	100%	12/04/06 A	12/11/06 A		54	53	55
	Construct Met Tower Foundations	CH2	8	100%	01/08/07 A	01/17/07 A		55	49, 54	56
	Construct Tower	CH2	2	100%	01/18/07 A	01/19/07 A		56	55	57
	Install Instrumentation	CH2	5	100%	01/22/07 A	01/26/07 A		57	56	58
	Collect 1 year of Met Data	CH2	260	33%	01/29/07 A	01/25/08	17	58	57	129
	PMF and Aerial Survey Data Acquisition		130		07/31/06 A	01/19/07 A	122			
3.13	PMF and Aerial Survey Data Acquisition	CH2	125	100%	07/31/06 A	01/19/07 A		59		
	Obtain State and USGS maps and topographical data for contour maps and aerial p...	SL	0	100%	07/31/06 A	07/31/06 A		60	8	61, 66
	Determine aerial survey boundaries	SL	0	100%	08/14/06 A	08/14/06 A		61	60	62
	Prepare aerial survey specifications	SL	0	100%	08/14/06 A	08/14/06 A		62	61	63
	Aerial contractors submit bids	SL	0	100%	08/04/06 A	08/04/06 A		63	62	64
	Bid evaluation and Contract aerial survey contractor	SL	0	100%	08/18/06 A	08/18/06 A		64	63	65
	Perform aerial survey and develop Photos, 3D Ortho Photos, and 1' area contours	SL	80	100%	10/02/06 A	01/19/07 A		65	64	71, 138
	Perform preliminary PMF evaluations to determine plant grade	CH2	15	100%	08/21/06 A	09/08/06 A		66	60	71, 141
	Site General Arrangement		269		12/18/06 A	10/08/07	231			
12.11	Site General Arrangement	SL	211	85.78%	12/18/06 A	10/08/07	231	67		
	Prepare Site General Arrangements for siting investigations	SL	10	100%	12/18/06 A	12/29/06 A		68	31, 627	69, 87, 565
	Surveyor marks plant footprint on ground	SL	5	100%	01/01/07 A	01/05/07 A		69	68, 5	70
	Environment expert verifies on site the footprint location is optimal from ER perspective	SL	5	100%	01/08/07 A	01/12/07 A		70	69	71
	Client and Westinghouse Review and Finalize GA for siting investigations	SL	10	100%	01/15/07 A	01/26/07 A		71	70, 649, 65, 66	72
	GA based on Phase 2 investigations	SL	10	100%	02/19/07 A	03/02/07 A		72	71, 24, 606	73, 74, 230, 263
	GA based on Aerial Photo	SL	40	0%	05/07/07*	06/29/07	231	73	72	74
	OAR for GA	PE-...	11	0%	06/29/07*	07/13/07	231	74	72, 73	75
	Finalize GA	SL	11	0%	07/13/07*	07/27/07	231	75	74	
	CWO #1 Prepare/Submit COLA, DCD Departure Report and Ge...		212		11/01/07	08/22/08	-1			
1	CWO #1 Prepare/Submit COLA, DCD Departure Report and General Administrative ...	SL	212	0%	11/01/07	08/22/08	-1	76		
1.1	Admin and General Information	SL	30	0%	11/01/07*	12/12/07	124	77		78

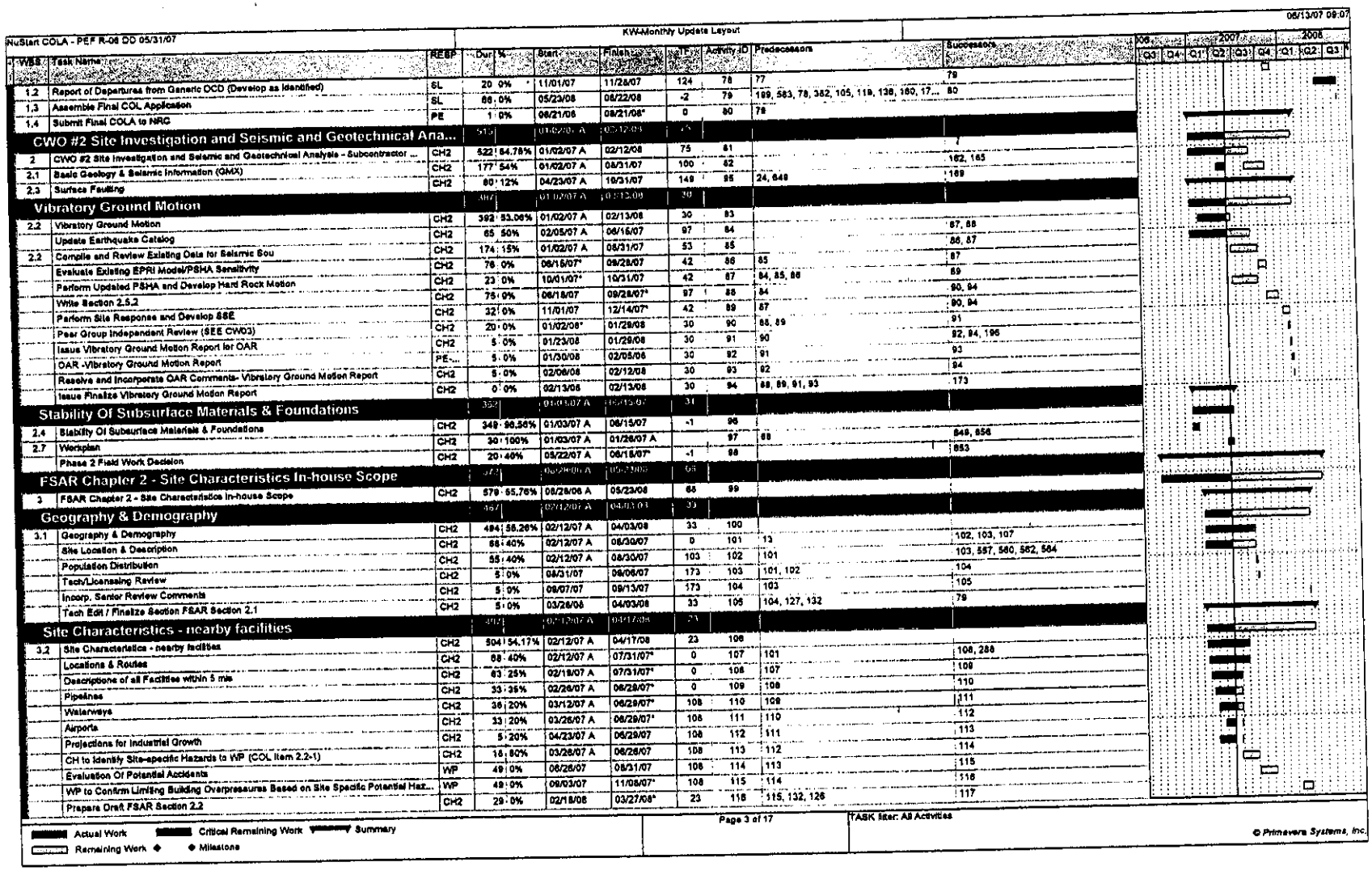
2006 | 2007 | 2008 — Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3

Actual Work | Remaining Work | Critical Remaining Work | Milestone | Summary

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL



NuStart COLA - PEF R-08 DD 05/31/07 — KW-Monthly Update Layout — 06/13/07 09:07

WBS	Task Name	RESP	Dur	%	Start	Finish	TF	Activity ID	Predecessors	Successors
1.2	Report of Departures from Generic DCD (Develop as identified)	SL	20	0%	11/01/07	11/28/07	124	78	77	79
1.3	Assemble Final COL Application	SL	66	0%	05/23/08	08/22/08	-2	79	189, 583, 78, 382, 105, 119, 138, 160, 17...	80
1.4	Submit Final COLA to NRC	PE	1	0%	08/21/08	08/21/08*	0	80	79	
	CWO #2 Site Investigation and Seismic and Geotechnical Ana...		513		01/02/07 A	02/12/08	75			
2	CWO #2 Site Investigation and Seismic and Geotechnical Analysis - Subcontractor ...	CH2	522	84.78%	01/02/07 A	02/12/08	75	81		162, 165
2.1	Basic Geology & Seismic Information (GMX)	CH2	177	54%	01/02/07 A	08/31/07	100	82		189
2.3	Surface Faulting	CH2	80	12%	04/23/07 A	10/31/07	149	95	24, 648	
	Vibratory Ground Motion		487		01/02/07 A	10/15/08	30			
2.2	Vibratory Ground Motion	CH2	392	53.06%	01/02/07 A	02/13/08	30	83		
	Update Earthquake Catalog	CH2	65	50%	02/05/07 A	06/15/07	97	84		87, 88
2.2	Compile and Review Existing Data for Seismic Sou	CH2	174	15%	01/02/07 A	08/31/07	53	85		86, 87
	Evaluate Existing EPRI Model/PSHA Sensitivity	CH2	76	0%	08/16/07*	09/28/07	42	86	85	87
	Perform Updated PSHA and Develop Hard Rock Motion	CH2	23	0%	10/01/07*	10/31/07	42	87	84, 85, 86	89
	Write Section 2.5.2	CH2	75	0%	08/16/07	09/28/07*	97	88	84	90, 94
	Perform Site Response and Develop SSE	CH2	32	0%	11/01/07	12/14/07*	42	89	87	90, 94
	Peer Group Independent Review (SEE CWO3)	CH2	20	0%	01/02/08*	01/29/08	30	90	88, 89	91
	Issue Vibratory Ground Motion Report for OAR	CH2	5	0%	01/23/08	01/29/08	30	91	90	92, 94, 196
	OAR -Vibratory Ground Motion Report	PE-...	5	0%	01/30/08	02/05/08	30	92	91	93
	Resolve and Incorporate OAR Comments- Vibratory Ground Motion Report	CH2	5	0%	02/06/08	02/12/08	30	93	92	94
	Issue Finalize Vibratory Ground Motion Report	CH2	0	0%	02/13/08	02/13/08	30	94	88, 89, 91, 93	173
	Stability Of Subsurface Materials & Foundations		352		01/03/07 A	10/15/08	31			
2.4	Stability Of Subsurface Materials & Foundations	CH2	349	90.56%	01/03/07 A	08/15/07	-1	96		
2.7	Workplan	CH2	30	100%	01/03/07 A	01/26/07 A		97	68	849, 856
	Phase 2 Field Work Decision	CH2	20	40%	05/22/07 A	06/15/07*	-1	98		853
	FSAR Chapter 2 - Site Characteristics In-house Scope		579		08/28/06 A	05/23/08	66			
3	FSAR Chapter 2 - Site Characteristics In-house Scope	CH2	579	65.76%	08/28/06 A	05/23/08	66	99		
	Geography & Demography		467		02/12/07 A	04/03/08	33			
3.1	Geography & Demography	CH2	494	58.26%	02/12/07 A	04/03/08	33	100		
	Site Location & Description	CH2	66	40%	02/12/07 A	06/30/07	0	101	13	102, 103, 107
	Population Distribution	CH2	55	40%	02/12/07 A	08/30/07	103	102	101	103, 557, 560, 562, 564
	Tech/Licensing Review	CH2	5	0%	08/31/07	09/06/07	173	103	101, 102	104
	Incorp. Senior Review Comments	CH2	5	0%	09/07/07	09/13/07	173	104	103	105
	Tech Edit / Finalize Section FSAR Section 2.1	CH2	5	0%	03/28/08	04/03/08	33	105	104, 127, 132	79
	Site Characteristics - nearby facilities		492		02/12/07 A	04/17/08	23			
3.2	Site Characteristics - nearby facilities	CH2	504	54.17%	02/12/07 A	04/17/08	23	106		
	Locations & Routes	CH2	66	40%	02/12/07 A	07/31/07*	0	107	101	108, 288
	Descriptions of all Facilities within 5 mile	CH2	63	25%	02/19/07 A	07/31/07*	0	108	107	109
	Pipelines	CH2	33	35%	02/26/07 A	08/29/07*	0	109	108	110
	Waterways	CH2	36	20%	03/12/07 A	08/29/07*	108	110	109	111
	Airports	CH2	33	20%	03/26/07 A	08/29/07*	108	111	110	112
	Projections for Industrial Growth	CH2	5	20%	04/23/07 A	08/29/07	108	112	111	113
	CH to Identify Site-specific Hazards to WP (COL Item 2.2-1)	CH2	15	80%	03/26/07 A	08/28/07	108	113	112	114
	Evaluation Of Potential Accidents	WP	49	0%	08/28/07	08/31/07	108	114	113	115
	WP to Confirm Limiting Building Overpressures Based on Site Specific Potential Haz...	WP	49	0%	09/03/07	11/08/07*	108	115	114	116
	Prepare Draft FSAR Section 2.2	CH2	29	0%	02/18/08	03/27/08*	23	116	115, 132, 126	117

Actual Work — Remaining Work — Critical Remaining Work — Summary — Milestone

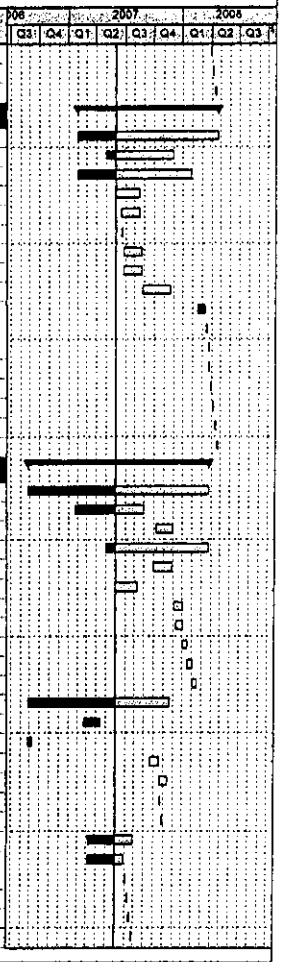
TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

NuStart COLA - PEF R-06 DD 05/31/07 | KW-Monthly Update Layout | 06/13/07 09:07

WBS	Task Name	RESP	Dur	%	Start	Finish	TF	Activity ID	Predecessors	Successors
	Tech/Licensing Review	CH2	5	0%	03/28/08	04/03/08	23	117	116	118
	Incorp. Senior Review Comments	CH2	5	0%	04/04/08	04/10/08	23	118	117	119
	Tech Edit / Finalize Section 2.2	CH2	5	0%	04/11/08	04/17/08	23	119	118	79
	Meteorology		553		01/29/07 A	04/24/08	88			
3.3	Meteorology	CH2	559	57.76%	01/29/07 A	04/24/08	88	120		
	Collect local meteorological data from existing sites (Onsite data at 3, 6 and 6 month...	CH2	152	0%	04/30/07 A	11/30/07*	47	121		122
	Onsite Data Collection (1yr)	CH2	14	25%	01/29/07 A	01/29/08	47	122	121	125, 572
	Local Meteorology (COL Item 2.3-2)	CH2	56	0%	05/31/07*	08/16/07	268	123		124
	Regional Climatology (COL Item 2.3-1)	CH2	44	0%	06/18/07	08/16/07	268	124	123	
	CH Provide Onsite Meteorological Data Input for CH/Q to WP	CH2	5	0%	06/18/07	06/22/07	79	125	122	126, 127
	Short-Term Diffusion Estimates (COL Item 2.3-4)	WP	45	0%	06/25/07	08/24/07	79	126	125	118, 128, 575
	Long-Term Diffusion Estimates (COL Item 2.3-5)	CH2	45	0%	06/25/07	08/24/07	79	127	125	105, 128, 557, 560
	Prepare Draft FSAR Section 2.3	CH2	63	0%	08/27/07	11/21/07	79	128	126, 127	134, 221, 281, 564
	Update Meteorological Data for Actual Site Data	CH2	20	0%	02/15/08*	03/13/08	-2	129	56	130, 564
	CH Provide Site Meteorological Data Input for Revised CH/Q to WP	CH2	5	0%	03/14/08	03/20/08	18	130	129	131, 132
	Revise Short-Term Diffusion Estimates (COL Item 2.3-4)	WP	5	0%	03/21/08	03/27/08	18	131	130	133, 576
	Revise Long-Term Diffusion Estimates (COL Item 2.3-5)	CH2	5	0%	03/21/08	03/27/08	18	132	130	105, 116, 133, 562
	Revise Draft FSAR Section 2.3	CH2	5	0%	03/28/08	04/03/08	18	133	131, 132	134
	Senior Review	CH2	5	0%	04/04/08	04/10/08	18	134	128, 133	135
	Incorp. Senior Review Comments	CH2	5	0%	04/11/08	04/17/08	18	135	134	136
	Tech Edit / Finalize Meteorology Section 2.3	CH2	5	0%	04/18/08	04/24/08	18	136	135	79
	Hydrology		497		08/28/06 A	03/27/08	108			
	Hydrology	CH2	499	56.71%	08/28/06 A	03/27/08	108	137		
3.4	Hydrological Description (COL Item 2.4-1)	CH2	135	10%	01/22/07 A	08/29/07*	139	138	13, 65	156, 157
	Accidental Release of Liquid Effluents into Ground and Surface Water (COL Item 2....	WP	40	0%	10/08/07*	11/30/07	92	152	573	156, 157
	Water Quality Lab Report	CH2	221	5%	04/30/07 A	03/27/08	61	153	43	156, 183
	Cooling Water Supply (COL Item 2.4-3)	CH2	40	0%	10/02/07	11/27/07	96	154	616, 617	156, 157
	Groundwater (COL Item 2.4-4)	CH2	50	0%	05/31/07	08/08/07	109	155	42	156, 157, 277, 573
	Flood Protection Emergency Operations Procedures (COL Item 2.4-6)	CH2	20	0%	12/07/07*	01/04/08	88	156	138, 152, 153, 154, 155, 145	157
	Prepare Draft FSAR Section 2.4	CH2	15	0%	12/13/07*	01/04/08	88	157	152, 155, 156, 138, 139, 145, 154, 598	158, 220, 253, 284
	Senior Review	CH2	10	0%	01/04/08	01/18/08	88	158	157	159
	Incorp. Senior Review Comments	CH2	10	0%	01/18/08	02/01/08	88	159	158	160
	Tech Edit / Finalize Section 2.4	CH2	10	0%	02/01/08	02/15/08	88	160	159	79
	Floods (COL Item 2.4-2)	CH2	386	67.62%	08/28/06 A	11/21/07	199	139	13	157
	PMP	CH2	10	100%	02/19/07 A	04/13/07 A		140		143
	Prelim PMF (Initial)	CH2	10	100%	08/28/06 A	09/08/06 A		141	66	143
	PMT	CH2	22	0%	09/20/07*	10/19/07	202	150	149	151, 150A
	Low Water Considerations (Droughts)	CH2	20	0%	10/22/07	11/16/07	202	151	150	
	Create PMT Calc Pkg	CH2	5	0%	10/22/07	10/26/07	212	150A	150	150B
	Verify PMT Calc Pkg	CH2	5	0%	10/29/07	11/02/07	212	150B	150A	
	PMF	CH2	76	44.37%	03/05/07 A	07/27/07	282	142		
	Preliminary PMF (Model)	CH2	45	20%	03/05/07 A	06/29/07*	172	143	140, 141	144
	Comment on Prelim PMF (Model)	CH2	5	0%	07/02/07	07/06/07*	172	144	143	145
	Prep Final PMF (Model)	CH2	5	0%	07/09/07	07/13/07	172	145	144	147, 156, 157, 187A
	Create PMF Calc Pkg	CH2	5	0%	07/16/07	07/20/07	282	187A	145	187B
	Verify PMF Calc Pkg	CH2	5	0%	07/23/07	07/27/07	282	187B	187A	

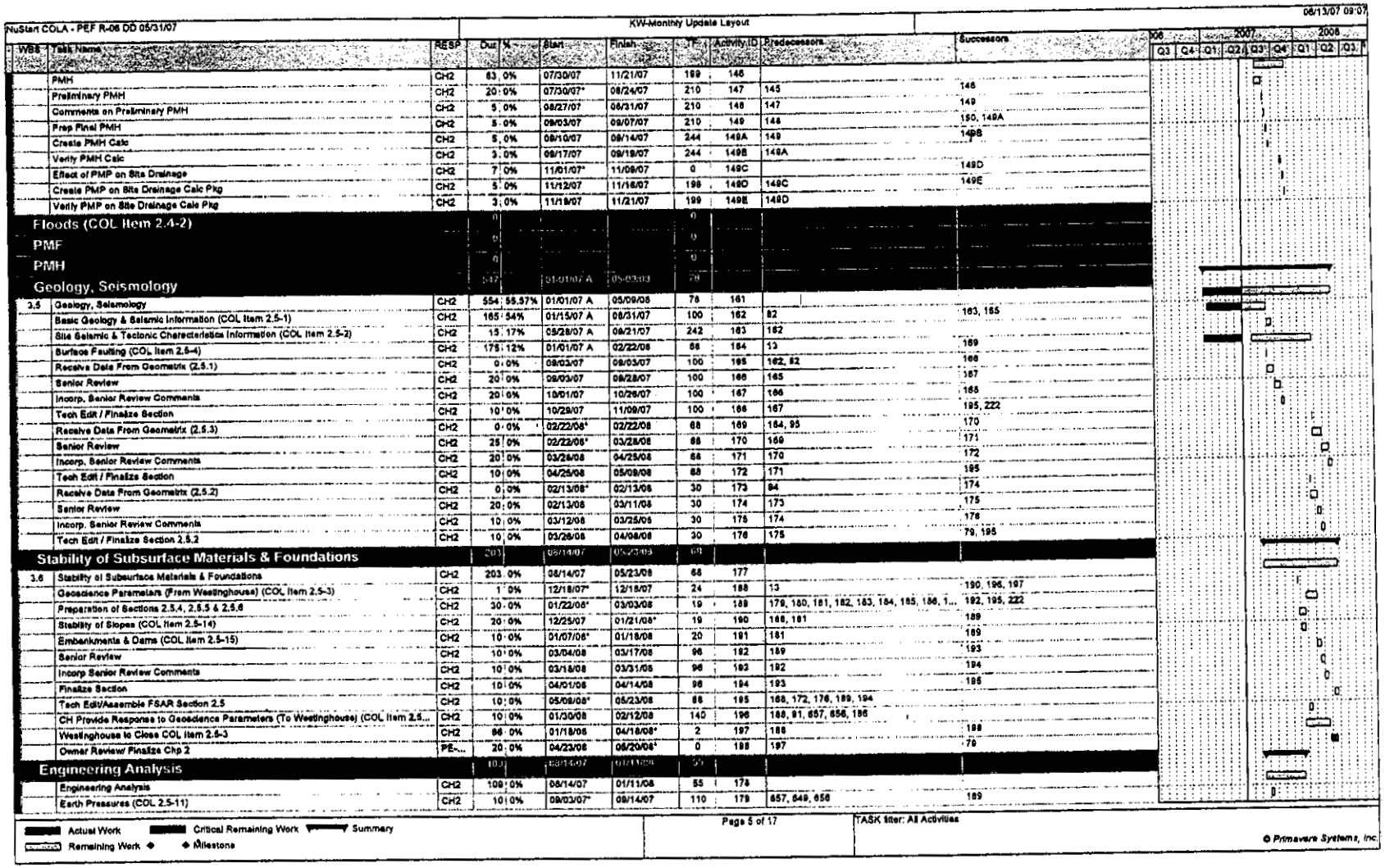


Actual Work | Critical Remaining Work | Summary | Remaining Work | Milestone

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL



NuStart COLA - PEF R-06 DD 05/31/07 | KW-Monthly Update Layout | 06/13/07 09:07

WBS	Task Name	RESP	Dur	%	Start	Finish	TF	Activity ID	Predecessors	Successors
	PMH	CH2	63	0%	07/30/07	11/21/07	199	146		
	Preliminary PMH	CH2	20	0%	07/30/07*	08/24/07	210	147	145	148
	Comments on Preliminary PMH	CH2	5	0%	08/27/07	08/31/07	210	148	147	149
	Prep Final PMH	CH2	5	0%	09/03/07	09/07/07	210	149	148	150, 149A
	Create PMH Calc	CH2	5	0%	09/10/07	09/14/07	244	149A	149	149B
	Verify PMH Calc	CH2	3	0%	09/17/07	09/19/07	244	149B	149A	
	Effect of PMP on Site Drainage	CH2	7	0%	11/01/07*	11/09/07	0	149C		149D
	Create PMP on Site Drainage Calc Pkg	CH2	5	0%	11/12/07	11/16/07	199	149D	149C	149E
	Verify PMP on Site Drainage Calc Pkg	CH2	3	0%	11/19/07	11/21/07	199	149E	149D	
	Floods (COL Item 2.4-2)		0				0			
	PMF		0				0			
	PMH		0				0			
	Geology, Seismology		547		01/01/07 A	05/09/08	78			
3.5	Geology, Seismology	CH2	554	55.57%	01/01/07 A	05/09/08	78	161		
	Basic Geology & Seismic Information (COL Item 2.5-1)	CH2	165	54%	01/15/07 A	08/31/07	100	162	82	163, 165
	Site Seismic & Tectonic Characteristics Information (COL Item 2.5-2)	CH2	15	17%	05/28/07 A	06/21/07	242	163	162	
	Surface Faulting (COL Item 2.5-4)	CH2	175	12%	01/01/07 A	02/22/08	68	164	13	169
	Receive Data From Geomatrix (2.5.1)	CH2	0	0%	08/03/07	08/03/07	100	165	162, 82	166
	Senior Review	CH2	20	0%	08/03/07	08/28/07	100	166	165	167
	Incorp. Senior Review Comments	CH2	20	0%	10/01/07	10/26/07	100	167	166	165
	Tech Edit / Finalize Section	CH2	10	0%	10/29/07	11/09/07	100	168	167	195, 222
	Receive Data From Geomatrix (2.5.3)	CH2	0	0%	02/22/08*	02/22/08	68	169	164, 95	170
	Senior Review	CH2	25	0%	02/22/08*	03/28/08	68	170	169	171
	Incorp. Senior Review Comments	CH2	20	0%	03/28/08	04/25/08	68	171	170	172
	Tech Edit / Finalize Section	CH2	10	0%	04/25/08	05/09/08	68	172	171	195
	Receive Data From Geomatrix (2.5.2)	CH2	0	0%	02/13/08*	02/13/08	30	173	84	174
	Senior Review	CH2	20	0%	02/13/08	03/11/08	30	174	173	175
	Incorp. Senior Review Comments	CH2	10	0%	03/12/08	03/25/08	30	175	174	176
	Tech Edit / Finalize Section 2.5.2	CH2	10	0%	03/26/08	04/08/08	30	176	175	79, 195
	Stability of Subsurface Materials & Foundations		203		06/14/07	05/23/08	68			
3.6	Stability of Subsurface Materials & Foundations	CH2	203	0%	06/14/07	05/23/08	68	177		
	Geoscience Parameters (From Westinghouse) (COL Item 2.5-3)	CH2	1	0%	12/18/07*	12/18/07	24	188	13	190, 196, 197
	Preparation of Sections 2.5.4, 2.5.5 & 2.5.6	CH2	30	0%	01/22/08*	03/03/08	19	189	179, 180, 181, 182, 183, 184, 185, 186, 1...	192, 195, 222
	Stability of Slopes (COL Item 2.5-14)	CH2	20	0%	12/25/07	01/21/08*	19	190	188, 181	189
	Embankments & Dams (COL Item 2.5-15)	CH2	10	0%	01/07/08*	01/18/08	20	191	181	189
	Senior Review	CH2	10	0%	03/04/08	03/17/08	96	192	189	193
	Incorp Senior Review Comments	CH2	10	0%	03/18/08	03/31/08	96	193	192	194
	Finalize Section	CH2	10	0%	04/01/08	04/14/08	96	194	193	195
	Tech Edit/Assemble FSAR Section 2.5	CH2	10	0%	05/09/08*	05/23/08	68	195	188, 172, 176, 189, 194	
	CH Provide Response to Geoscience Parameters (To Westinghouse) (COL Item 2.5...	CH2	10	0%	01/30/08	02/12/08	140	196	188, 91, 857, 856, 195	
	Westinghouse to Close COL Item 2.5-3	CH2	86	0%	01/18/08	04/18/08*	2	197	188	188
	Owner Review/ Finalize Chp 2	PE-...	20	0%	04/23/08	05/20/08*	0	198	197	79
	Engineering Analysis		103		06/14/07	01/11/08	55			
	Engineering Analysis	CH2	100	0%	06/14/07	01/11/08	55	178		
	Earth Pressures (COL 2.5-11)	CH2	10	0%	09/03/07*	09/14/07	110	179	857, 849, 858	189

2006 | 2007 | 2008 — Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3

Actual Work | Critical Remaining Work | Summary | Remaining Work | Milestone

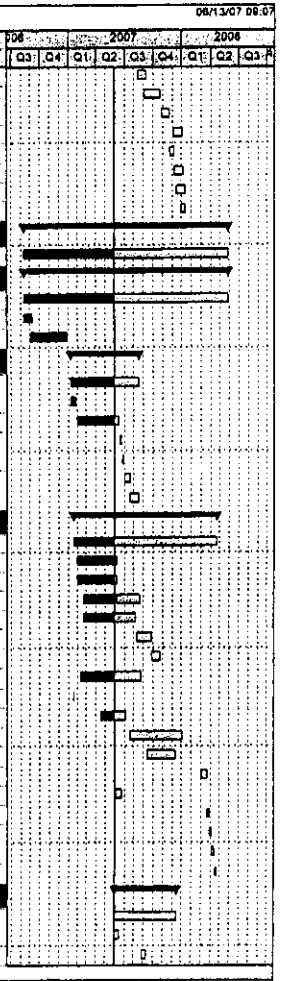
TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

NuStart COLA - PEF R-06 DO 05/31/07 | KW-Monthly Update Layout | 06/13/07 09:07

WBS	Task Name	RESP	Dur	%	Start	Finish	TF	Activity ID	Predecessors	Successors
	Site And Structures (COL 2.5-5)	CH2	20	0%	08/14/07*	09/10/07	114	180	649, 657	189
	Properties of Underlying Materials (COL 2.5-6)	CH2	40	0%	09/03/07*	10/26/07	19	181	657, 649	182, 183, 184, 185, 186, 187, 188, 190, 1...
	Excavation And Backfill (COL 2.5-7)	CH2	20	0%	10/29/07*	11/23/07	60	182	181, 649, 657	189
	Ground Water Conditions (COL 2.5-8)	CH2	20	0%	12/07/07*	01/04/08	61	183	181, 183, 649, 657	189
	Liquefaction Potential (2.5-9)	CH2	10	0%	11/26/07*	12/07/07	50	184	181, 649, 657	189
	Bearing Capacity (COL 2.5-10)	CH2	20	0%	12/10/07*	01/04/08	30	185	181, 657, 647	189
	Static And Dynamic Stability of Facilities (COL 2.5-12)	CH2	20	0%	12/17/07*	01/11/08	25	186	181, 649, 657	189, 196
	Subsurface Instrumentation (COL 2.5-13)	CH2	10	0%	12/31/07*	01/11/08	25	187	181, 657, 647	189
	CWO #4 ER, Site Redress Plan and EP excluding subcontract...		574		08/14/06 A	05/26/08	66			
4	CWO #4 ER, Site Redress Plan and EP excluding subcontractor scope	CH2	581	55.56%	08/14/06 A	05/26/08	66	199		79
	Environmental Report		574		08/14/06 A	05/26/08	66			
4.6	Environmental Report	CH2	581	55.56%	08/14/06 A	05/26/08	66	200		
	Perform preliminary ER evaluations for options for Makeup Water intake and blowdo...	CH2	20	100%	08/14/06 A	09/06/06 A		201	6	202, 204
	Determine permit requirements for intake from the Barge Canal and discharge of the...	CH2	85	100%	09/04/06 A	12/29/06 A		202	201	204
	ER Chapter 1: Introduction		373		01/08/07 A	08/17/07	267			
4.C1	ER Chapter 1: Introduction	CH2	380	85%	01/08/07 A	08/17/07	267	203		
	The Proposed Project	CH2	15	100%	01/08/07 A	01/26/07 A		204	201, 202	205, 211, 230, 250
	Tech/Licensing Review	CH2	30	85%	01/29/07 A	06/15/07	267	205	204	206
	Senior Review	CH2	5	0%	06/18/07	06/22/07	267	206	205	207
	Incorp. Senior Review Comments	CH2	5	0%	06/25/07	06/29/07	267	207	206	208
	Tech Edit / Finalize Section	CH2	14	0%	07/02/07	07/19/07	267	208	207	209
	Owner Review Process ER Chp 1	PE-...	21	0%	07/20/07	08/17/07	267	209	208	
	ER Chapter 2: Environmental Description		505		01/18/07 A	04/23/08	89			
4.C2	ER Chapter 2: Environmental Description	CH2	513	54.19%	01/18/07 A	04/23/08	89	210		
	Station Location	CH2	30	50%	01/29/07 A	06/06/07*	173	211	204	212, 213
	Land	CH2	30	50%	01/29/07 A	06/06/07*	214	212	211	224, 283
	Sedoeconomic	CH2	79	7%	02/19/07 A	06/20/07*	173	213	211	224, 251, 288
	Cultural Resources Interface	CH2	82	25%	02/19/07 A	06/07/07*	127	214		215, 250
	Cultural Resources Field Investigation	CH2	35	0%	06/08/07*	09/25/07	127	215	214	216
	Cultural Resources Report	CH2	20	0%	09/26/07*	10/23/07	127	216	215	224
	Ecology	CH2	117	15%	02/05/07 A	06/23/07	113	217		219, 224, 254
	Intro Meeting with FDEP	CH2	1	100%	01/18/07 A	01/18/07 A		218		
	Field Investigation - Ecology	CH2	44	15%	04/17/07 A	07/05/07	286	219	217	
	Water	CH2	120	0%	07/20/07*	01/04/08	75	220	157	224
	Meteorology & Air Quality	CH2	65	0%	09/14/07	12/13/07*	90	221	126	224
	Geology	CH2	14	0%	03/04/08*	03/21/08	19	222	189, 186	224
	Related Federal Project Activities	CH2	14	0%	06/04/07*	06/21/07	215	223		224
	Tech/Licensing Review	CH2	5	0%	03/24/08*	03/28/08	19	224	212, 213, 216, 217, 220, 221, 222, 223	225
	Incorp. Senior Review Comments	CH2	5	0%	03/31/08	04/04/08	19	225	224	226
	Tech Edit / Finalize Section	CH2	5	0%	04/07/08	04/11/08	19	226	225	227
	Owner Review Process ER Chp 2	PE-...	8	0%	04/14/08	04/23/08	19	227	226	79
	ER Chapter 3: Plant Description		143		05/31/07	12/17/07	181			
4.C3	ER Chapter 3: Plant Description	CH2	143	0%	05/31/07	12/17/07	181	228		
	Prelim WP Input to Water Use	WP	10	0%	05/31/07*	06/13/07	232	229		237, 239
	External Appearance and Plant Layout	CH2	10	0%	06/26/07*	09/10/07	174	230	72, 204	236, 245



Actual Work | Remaining Work | Critical Remaining Work | Milestone | Summary

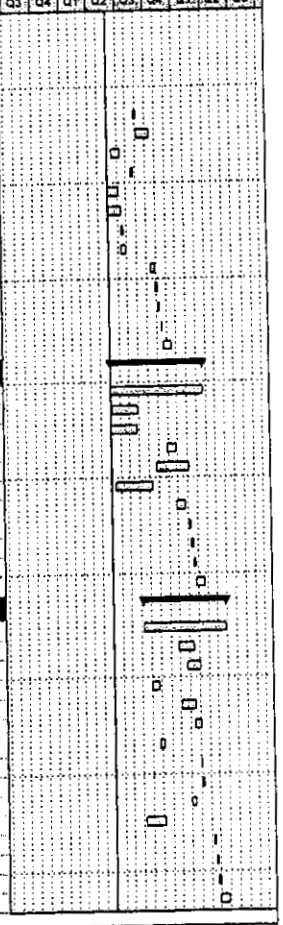
TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

NuStart COLA - PEF R-08 DD 05/31/07 — KW-Monthly Update Layout

WBS	Task Name	RESP	Dur	%	Start	Finish	TF	Activity ID	Predecessors	Successors
	WP Provide CH w/ Input on Plant Cooling System	WP	0	0%	05/31/07*	05/31/07	272	231		244
	WP Provide CH w/ Input on Source Terms for Liquid Rad Waste	WP	0	0%	05/31/07*	05/31/07	279	232		233, 234, 243
	WP Provide CH w/ Input on Source Terms for Gas Rad Waste	WP	0	0%	05/31/07*	05/31/07	279	233	232	243
	WP Provide CH w/ Input on Source Terms for Solid Rad Waste	WP	0	0%	05/31/07*	05/31/07	279	234	232	243
	WP Input to Reactor Power Conversion System	WP	0	0%	05/31/07*	05/31/07	237	235		238
	Reactor Power Conversion System	CH2	5	0%	06/26/07*	06/03/07	174	236	230, 235	237, 245
	Plant Water Use	CH2	30	0%	06/04/07	10/15/07	174	237	229, 236	244, 245
	WP Input, ER Text	WP	20	0%	06/15/07*	07/12/07	248	238		242, 243, 245
	WP Final Water Use Input	WP	5	0%	06/17/07*	06/23/07	228	239	229	245, 248
	Power Transmission System	CH2	25	0%	06/01/07*	07/05/07	263	240		245
	Non-radioactive Waste Systems	CH2	30	0%	06/04/07*	07/13/07	257	241		245, 248
	Transportation of Radioactive Materials	CH2	5	0%	07/13/07*	07/19/07	251	242	238	245, 267
	Radioactive Waste Management System	CH2	10	0%	07/13/07*	07/26/07	249	243	238, 232, 233, 234	245, 248, 266
	Cooling System	CH2	10	0%	10/16/07	10/29/07	174	244	231, 237	245, 270
	Tech/Licensing Review	CH2	5	0%	10/30/07*	11/05/07	181	245	230, 236, 237, 238, 239, 240, 241, 242, 2...	246
	Incorp. Senior Review Comments	CH2	5	0%	11/06/07	11/12/07	181	246	245	247
	Tech Edit / Finalize Section	CH2	5	0%	11/13/07	11/19/07	181	247	246	248
	Owner Review Process Chp 3	PE-...	20	0%	11/20/07*	12/17/07	181	248	239, 241, 243, 247	
	ER Chapter 4: Environmental Effects of Construction		211		05/31/07	03/21/08	113	249		
4.C4	ER Chapter 4: Environmental Effects of Construction	CH2	211	0%	05/31/07	03/21/08	113	249		256
	Land-Use Impacts	CH2	61	0%	06/04/07*	08/27/07	226	250	204, 214	256
	Socioeconomic Impacts	CH2	60	0%	05/31/07	08/22/07*	229	251	213	255, 256
	Radiation Exposure to Construction Workers	CH2	20	0%	11/30/07*	12/27/07	118	252		256
	Water-Related Impacts	CH2	70	0%	10/26/07*	02/01/08	113	253	157	256, 276
	Ecological Impacts	CH2	85	0%	06/15/07*	10/11/07	113	254	217	256
	Measures & Controls to Limit Adverse Impacts During Construction	CH2	20	0%	12/28/07	01/24/08	118	255	252	257
	Tech/Licensing Review	CH2	5	0%	02/01/08	02/08/08	113	256	250, 251, 252, 253, 254, 255	258
	Incorp. Senior Review Comments	CH2	5	0%	02/09/08	02/15/08	113	257	256	259
	Tech Edit / Finalize Section	CH2	5	0%	02/15/08	02/22/08	113	258	257	
	Owner Review Process ER Chp 4	PE-...	20	0%	02/22/08	03/21/08	113	259	258	
	ER Chapter 5: Environmental Effects of Station Operation		187		09/07/07	05/26/08	66			
4.C5	ER Chapter 5: Environmental Effects of Station Operation	CH2	187	0%	09/07/07	05/26/08	66	260		265, 271
	Provide Calculation Documenting Input to ER CH 5 Radiological Impacts - Normal O...	CH2	35	0%	12/27/07*	02/13/08	69	261	558, 559, 561	267, 271
	Transmission System Impacts	CH2	30	0%	01/25/08*	03/06/08	66	262	486	264, 271, 283
	Land-Use Impacts	CH2	20	0%	10/01/07*	10/26/07	132	263	72, 212	271, 277
	Water-Related Impacts	CH2	30	0%	01/04/08	02/15/08	83	264	263, 268, 157	271
	Environmental Impacts of Waste	CH2	15	0%	02/14/08*	03/05/08	69	265	261	271
	Radiological Impacts Of Normal Operation	CH2	10	0%	10/26/07*	11/08/07	173	266	243, 557, 560	268, 271
	Uranium Fuel Cycle Impacts	CH2	1	0%	03/03/08	03/03/08	66	267	242, 262	271
	Socioeconomic Impacts	CH2	5	0%	03/04/08*	03/10/08	66	268	213, 267	264, 271
	WP Input Provide Text for ER	WP	10	0%	01/31/08*	02/13/08	85	269		271
	Cooling System Impacts	CH2	44	0%	09/07/07*	11/07/07	174	270	244	272
	Tech/Licensing Review	CH2	5	0%	04/08/08*	04/14/08	66	271	261, 262, 263, 264, 265, 266, 267, 269, 2...	273
	Incorp. Senior Review Comments	CH2	5	0%	04/15/08	04/21/08	66	272	271	274
	Tech Edit / Finalize Section	CH2	5	0%	04/22/08	04/28/08	66	273	272	
	Owner Review Process ER Chp 5	PE-...	20	0%	04/29/08	05/26/08	66	274	273	



Actual Work | Critical Remaining Work | Summary | Remaining Work | Milestone

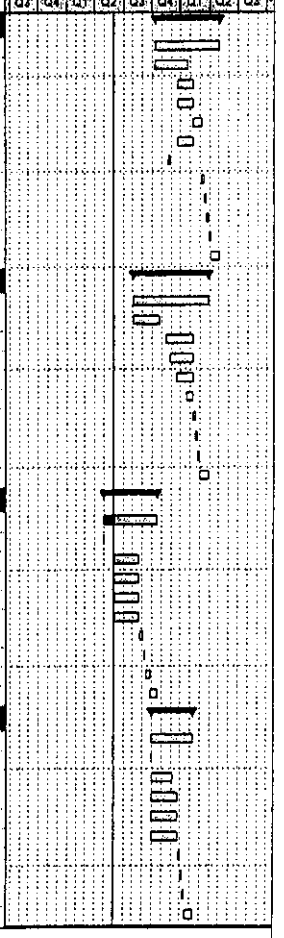
TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

NuStart COLA - PEF R-06 CO 05/31/07 | KW-Monthly Update Layout | 06/13/07 09:07

WBS	Task Name	RESP	Dur	%	Start	Finish	TF	Activity ID	Predecessors	Successors
	ER Chapter 6: Environmental Measurement and Monitoring Pr...		145		10/12/07	05/02/08	83*			
4.C6	ER Chapter 6: Environmental Measurement and Monitoring Programs	CH2	145	0%	10/12/07	05/02/08	83	276		
	Ecological Monitoring	CH2	75	0%	10/12/07	01/24/08*	113	276	254	282, 283
	Hydrological Monitoring	CH2	34	0%	12/24/07	02/08/08	83	277	155, 254	278, 279, 280, 282, 283
	Thermal Monitoring	CH2	34	0%	12/24/07*	02/08/08	103	278	277	282, 283
	Radiological Monitoring	CH2	20	0%	02/08/08	03/07/08	83	279	277	282, 283
	Chemical Monitoring	CH2	34	0%	12/24/07*	02/08/08	103	280	277	282, 283
	Meteorological Monitoring	CH2	5	0%	11/22/07	11/28/07	154	281	128	282, 283
	Summary of Monitoring Programs	CH2	5	0%	03/07/08*	03/14/08	83	282	280, 276, 277, 278, 279, 281	283
	Tech/Licensing Review	CH2	5	0%	03/14/08	03/21/08	83	283	283, 276, 277, 278, 279, 280, 281, 282	284
	Incorp. Senior Review Comments	CH2	5	0%	03/21/08	03/25/08	83	284	283	285
	Tech Edit / Finalize Section	CH2	5	0%	03/28/08	04/04/08	83	285	284	286
	Owner Review Process ER Chp 6	PE-...	20	0%	04/04/08	05/02/08	83	286	285	
	ER Chapter 7: Environmental Impacts of Postulated Accidents...		173		08/01/07	03/28/08	107			
4.C7	ER Chapter 7: Environmental Impacts of Postulated Accidents Involving Radioactive...	CH2	173	0%	08/01/07	03/28/08	107	287		
	Transportation Accidents	CH2	60	0%	08/01/07*	10/23/07	185	288	107	293
	Severe Accident	CH2	62	0%	11/15/07	02/08/08	107	289	578	293
	Severe Accident Mitigation Alternatives	CH2	52	0%	11/29/07	02/05/08	107	290	578	293
	Provide Calculation Documenting DBA Input for ER CH.7 Consistent with FSAR Ch.15	CH2	37	0%	12/20/07	02/08/08*	107	291	578	293
	Design Basis Accident	WP	15	0%	01/21/08	02/08/08*	107	292	578	293
	Tech/Licensing Review	CH2	5	0%	02/11/08	02/15/08	107	293	288, 289, 290, 291, 292	294
	Incorp. Senior Review Comments	CH2	5	0%	02/18/08	02/22/08	107	294	293	295
	Tech Edit / Finalize Section	CH2	5	0%	02/25/08	02/29/08	107	295	294	296
	Owner Review Process ER Chp 7	PE-...	20	0%	03/03/08	03/28/08	107	296	295	
	ER Chapter 8: Need For Power		107		05/01/07 A	10/19/07	222			
4.C8	ER Chapter 8: Need For Power	CH2	102	1.96%	05/01/07 A	10/19/07	222	297		
	PE Input on Need For Power	CH2	1	100%	05/01/07 A	05/01/07 A		298		299, 300, 301, 302, 318
	Section 8.1	CH2	57	0%	06/04/07*	08/21/07	222	299	298	303
	Section 8.2	CH2	57	0%	06/04/07*	08/21/07	222	300	298	303
	Section 8.3	CH2	57	0%	06/04/07*	08/21/07	222	301	298	303
	Section 8.4	CH2	57	0%	06/04/07*	08/21/07	222	302	298	303
	Tech/Licensing Review	CH2	10	0%	08/22/07	09/04/07*	222	303	298, 300, 301, 302	304
	Incorp. Senior Review Comments	CH2	5	0%	09/05/07	09/11/07*	222	304	303	305
	Tech Edit / Finalize Section	CH2	11	0%	09/12/07	09/26/07*	222	305	304	306
	Owner Review Process ER Chp 8	PE-...	17	0%	09/27/07	10/19/07*	222	306	305	
	ER Chapter 9: Alternatives to Proposed Action		55		10/01/07	02/11/08	141			
4.C9	ER Chapter 9: Alternatives to Proposed Action	CH2	98	0%	10/01/07	02/11/08	141	307		
	PE Input on Alternatives	CH2	1	0%	10/01/07*	10/01/07	141	308		309, 310, 311, 312, 313
	No-Action Alternatives	CH2	47	0%	10/02/07*	12/05/07	154	309	308	313
	Energy Alternatives	CH2	60	0%	10/02/07	12/24/07	141	310	308	313
	Alternative Sites	CH2	60	0%	10/02/07	12/24/07	141	311	308	313
	Alternative Plant and Transmission Systems	CH2	60	0%	10/02/07	12/24/07	141	312	308	313
	Tech/Licensing Review	CH2	5	0%	12/25/07	12/31/07	141	313	308, 309, 310, 311, 312	314
	Incorp. Senior Review Comments	CH2	5	0%	01/01/08	01/07/08	141	314	313	315
	Tech Edit / Finalize Section	CH2	5	0%	01/08/08	01/14/08	141	315	314	316
	Owner Review Process ER Chp 9	PE-...	20	0%	01/15/08	02/11/08	141	316	315	



Actual Work | Critical Remaining Work | Summary | Remaining Work | Milestone

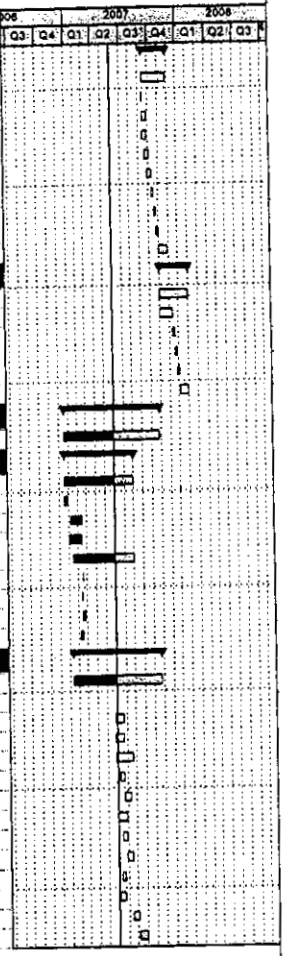
TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

NuStart COLA - PEF R-08 DD 05/31/07 | KW-Monthly Update Layout | 06/13/07 09:07

WBS	Task Name	RESP	Dur	%	Start	Finish	TF	Activity ID	Predecessors	Successors
	ER Chapter 10: Environmental Consequences of Proposed Ac...		55		09/14/07	11/28/07	193			
4.C10	ER Chapter 10: Environmental Consequences of Proposed Action	CH2	55	0%	09/14/07	11/28/07	193	317		
	PE Market Analysis / Need for Power Input	CH2	0	0%	09/14/07*	09/14/07	193	318	298	319
	Unavoidable Adverse Environmental Impacts	CH2	10	0%	09/14/07*	09/27/07	193	319	318	320, 321, 322, 323
	Benefit-Cost Balance	CH2	10	0%	09/14/07	09/27/07	203	320	319	324
	Irreversible and Irretrievable Commitments of Resources	CH2	10	0%	09/21/07	10/04/07	198	321	319	323
	Relationship Between Short Term Uses and Long Term Productivity of the Human E...	CH2	10	0%	09/28/07	10/11/07	193	322	319	323
	Tech/Licensing Review	CH2	5	0%	10/12/07	10/18/07	193	323	319, 320, 321, 322	324
	Incorp. Senior Review Comments	CH2	5	0%	10/19/07	10/25/07	193	324	323	325
	Tech Edit / Finalize Section	CH2	5	0%	10/26/07	11/01/07	193	325	324	326
	Owner Review Process ER Chp 10	PE-...	20	0%	11/02/07	11/28/07	193	326	325	
	Site Redress Plan		150		11/01/07	01/31/08	148			
4.2	Site Redress Plan	CH2	65	0%	11/01/07	01/31/08	148	327		
	Develop Site Redress Plan	CH2	31	0%	11/01/07*	12/13/07	148	328		329
	Senior Review	CH2	5	0%	12/14/07	12/20/07	148	329	328	330
	Incorp. Senior Review Comments	CH2	5	0%	12/21/07	12/27/07	148	330	329	331
	Tech Edit / Finalize Section	CH2	5	0%	12/28/07	01/03/08	148	331	330	332
	Owner Review Site Redress	PE-...	20	0%	01/04/08	01/31/08	148	332	331	
	Emergency Plan Development		225		12/18/06 A	10/26/07	217			
4.3	Emergency Plan Development	CH2	225	52.44%	12/18/06 A	10/26/07	217	333		
	As Found Condition Determination		185		12/18/06 A	07/31/07	280			
	As Found Condition Determination	CH2	105	58.1%	12/18/06 A	07/31/07	280	334		
	Obtain/Review copy of existing Crystal River EP	CH2	10	100%	12/18/06 A	12/28/06 A		335	24	336, 337, 338
	Obtain FL State plan and county appendices and review against NUREG-0654	CH2	25	100%	01/08/07 A	02/14/07 A		336	335	338, 341, 342
	Identify participating organizations	CH2	33	100%	01/01/07 A	02/14/07 A		337	335	
	Describe onsite emergency organization	CH2	65	25%	01/15/07 A	07/31/07*	280	338	335, 336	
	Establish initial draft EPZ boundaries	CH2	0	100%	02/15/07 A	02/15/07 A		339		340
	Review EPZ boundaries with stakeholders	CH2	3	100%	02/12/07 A	02/14/07 A		340	339	
	Prepare and hold meeting with State/Locals to review steps, interfaces, etc.	CH2	10	100%	02/12/07 A	02/23/07 A		341	336	
	Describe Federal Agency Support	CH2	8	100%	02/05/07 A	02/15/07 A		342	336	
	Develop EP		205		01/12/07 A	10/26/07	217			
	Develop EP	CH2	205	48.06%	01/12/07 A	10/26/07	217	343		
	Introduction	CH2	1	100%	05/31/07 A	05/31/07 A		344		345, 367
	Ch. A – Assignment of Responsibility (Organization Control)	CH2	21	10%	05/25/07 A	06/22/07	262	345	344	346, 347, 367
	Ch. B – Onsite Emergency Organization	CH2	21	10%	05/25/07 A	06/22/07	267	346	345	367
	Ch. C – Emergency Response Support and Resources	CH2	50	10%	05/25/07 A	07/20/07	247	347	345	367
	Ch. E – Notification Methods and Procedures	CH2	10	0%	06/08/07*	06/21/07	253	351		352, 367
	Ch. F – Emergency Communications	CH2	15	0%	06/22/07*	07/12/07	253	352	351	367
	Ch. H – Emergency Facility and Equipment	CH2	20	0%	05/31/07*	06/27/07	264	355		367
	Ch. I – Accident Assessment	CH2	10	0%	06/15/07*	06/28/07	263	356	350	367
	Ch. J – Protective Response	CH2	15	0%	06/27/07*	07/17/07	250	357		367
	Ch. K – Radiological Exposure Control	CH2	10	0%	06/11/07*	06/22/07	267	358		367
	Ch. L – Medical and Public Health Support	CH2	15	0%	06/04/07*	06/22/07	267	359		361, 367
	Ch. M – Recovery and Reentry Planning and Post-accident Operations	CH2	15	0%	07/16/07*	08/03/07	217	360		367
	Ch. N – Exercises and Drills	CH2	20	0%	06/06/07	06/31/07	217	361	360	



Actual Work | Remaining Work | Critical Remaining Work | Milestone | Summary

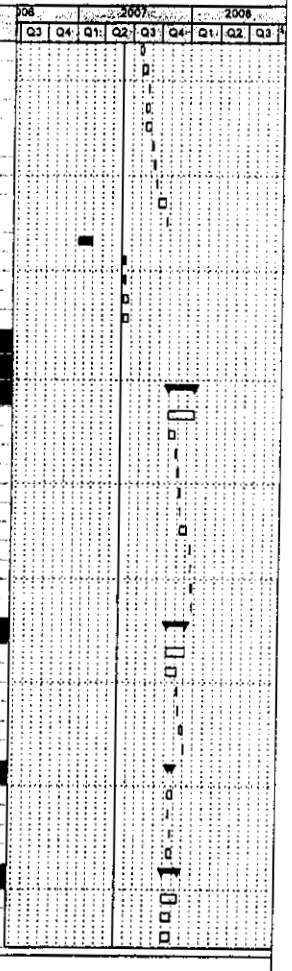
TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

NuStart COLA - PEF R-06 DD 05/31/07 | KW-Monthly Update Layout | 06/13/07 09:07

WBS	Task Name	RESP	Dur	%	Start	Finish	TF	Activity ID	Predecessors	Successors
	Ch. C – Radiological Emergency Response Training	CH2	10	0%	07/23/07*	08/03/07	237	362		367
	Ch. P – Responsibility for the Planning Effort: Development, Periodic Review and Di...	CH2	15	0%	07/30/07*	08/17/07	217	383		384, 387
	Incorporate Evacuation Time Estimate (ETE) Study Data	CH2	5	0%	08/20/07*	08/24/07	217	384	383	385, 387
	Finalize Appendices (Glossary, Letters of Agreement, ETE info, etc.)	CH2	10	0%	08/13/07	08/24/07	217	385	384	386, 387
	Prepare ITAACs and Open Items	CH2	15	0%	08/13/07*	08/31/07	217	386	385	387
	EP Senior Review	CH2	5	0%	08/03/07*	09/07/07	217	387	344, 345, 346, 347, 351, 352, 355, 356, 3...	388
	Incorporate Senior Review Comments	CH2	5	0%	09/10/07	09/14/07	217	388	387	389
	Tech Edit/Finalize Validation Package	CH2	5	0%	09/17/07	09/21/07	217	389	388	370
	Owner Review	PE-EP	20	0%	09/24/07	10/19/07	217	370	389	371
	Incorporate Owner Review Comments/Finalize EP	CH2	5	0%	10/22/07	10/26/07	217	371	370	
	Westinghouse/NEI develop and supply AP-1000 Emergency Action Levels (EALs)	CH2	34	100%	01/12/07 A	02/28/07 A		349	348	350
	Incorporate Final EALs into EP	CH2	5	0%	08/08/07*	08/14/07	263	350	349	356
	Finalize EPZ (10 and 50 mile)	CH2	5	0%	08/08/07*	08/14/07	273	354	353	367
	CH D Emergency Classification System	CH2	10	0%	08/08/07*	08/21/07	263	348		349
	CH G Public Education and Information	CH2	10	0%	08/08/07*	08/21/07	273	353		354
	Ch. D – Emergency Classification System		0				0			
	Ch. G – Public Education and Information		0				0			
	CWO #5 FSAR Technology Chapters 4, 5, 6, 7 and 12		62		10/31/07	01/25/08	63			
5	CWO #5 FSAR Technology Chapters 4, 5, 6, 7 and 12	WP	62	0%	10/31/07	01/25/08	63	372		
5.1	FSAR Chapter 4 - Reactor	WP	15	0%	11/05/07*	11/23/07	91	373	6	374
	Issue Chapter 4 to Client for OAR	WP	2	0%	11/26/07*	11/27/07	91	374	373	375, 377
	OAR - Chapter 4	PE	5	0%	11/26/07*	12/04/07	91	375	374	376
	Resolve and Incorporate OAR Comments- Chapter 4	WP	5	0%	12/05/07	12/11/07	91	376	375	377
	Issue Finalize Chapter 4	WP	0	0%	12/12/07	12/12/07	91	377	374, 376	79, 378
5.3	FSAR Chapter 5 - Reactor Coolant System and Connected Systems	WP	15	0%	12/12/07*	01/01/08	91	378	377	379, 382
	Internal Review/Comments Resolution/Issue Chapter 5 to Client for OAR	WP	2	0%	01/14/08*	01/15/08	63	379	378	380, 382
	OAR - Chapter 5	PE-...	2	0%	01/16/08*	01/17/08	63	380	379	381
	Resolve and Incorporate OAR Comments - Chapter 5	WP	5	0%	01/18/08	01/24/08	63	381	380	382
	Issue Finalize Chapter 5	WP	0	0%	01/25/08	01/25/08	63	382	379, 378, 381	79
	FSAR Chapter 6 - Engineered Safety Features		41		11/05/07	01/01/08	46			
5.5	FSAR Chapter 6 - Engineered Safety Features	WP	41	0%	11/05/07	01/01/08	46	383		
	Review and Revise all FSAR Sections except 6.4	WP	25	0%	11/05/07*	12/07/07	46	384	6	389
	Issue Chapter 6 to Client for OAR	WP	3	0%	12/10/07*	12/12/07	46	389	388, 384	390, 392
	OAR - Chapter 6	PE-...	3	0%	12/13/07*	12/17/07	46	390	389	391
	Resolve and Incorporate OAR Comments- Chapter 6	WP	10	0%	12/18/07*	12/31/07	46	391	390	392
	Issue Finalize Chapter 6	WP	0	0%	01/01/08*	01/01/08	46	392	389, 391	79, 418
	Habitability Systems		11		11/15/07	11/29/07	52			
	Habitability Systems	WP	11	0%	11/15/07	11/29/07	52	385		
	Local Toxic Gas Services and Monitoring (COL Item 6.4-1)	WP	2	0%	11/15/07	11/16/07*	56	386		388
	Procedures for Training for Control Room Habitability (COL Item 6.4-2)	WP	2	0%	11/21/07*	11/22/07	52	387		388
	FSAR Section 6.4	WP	10	0%	11/16/07	11/29/07	52	388	386, 387	389
	FSAR Chapter 7 - Instrumentation and Controls		39		10/31/07	12/19/07	40			
5.8	FSAR Chapter 7 - Instrumentation and Controls	SL	39	0%	10/31/07	12/19/07	40	393		
	Review Chapter 7 and revise for any site-specific items and finalize	SL	20	0%	10/31/07*	11/27/07	40	394	6	395
	Review Validation package for site-specific updates	SL	20	0%	10/31/07	11/27/07	40	395	394	396

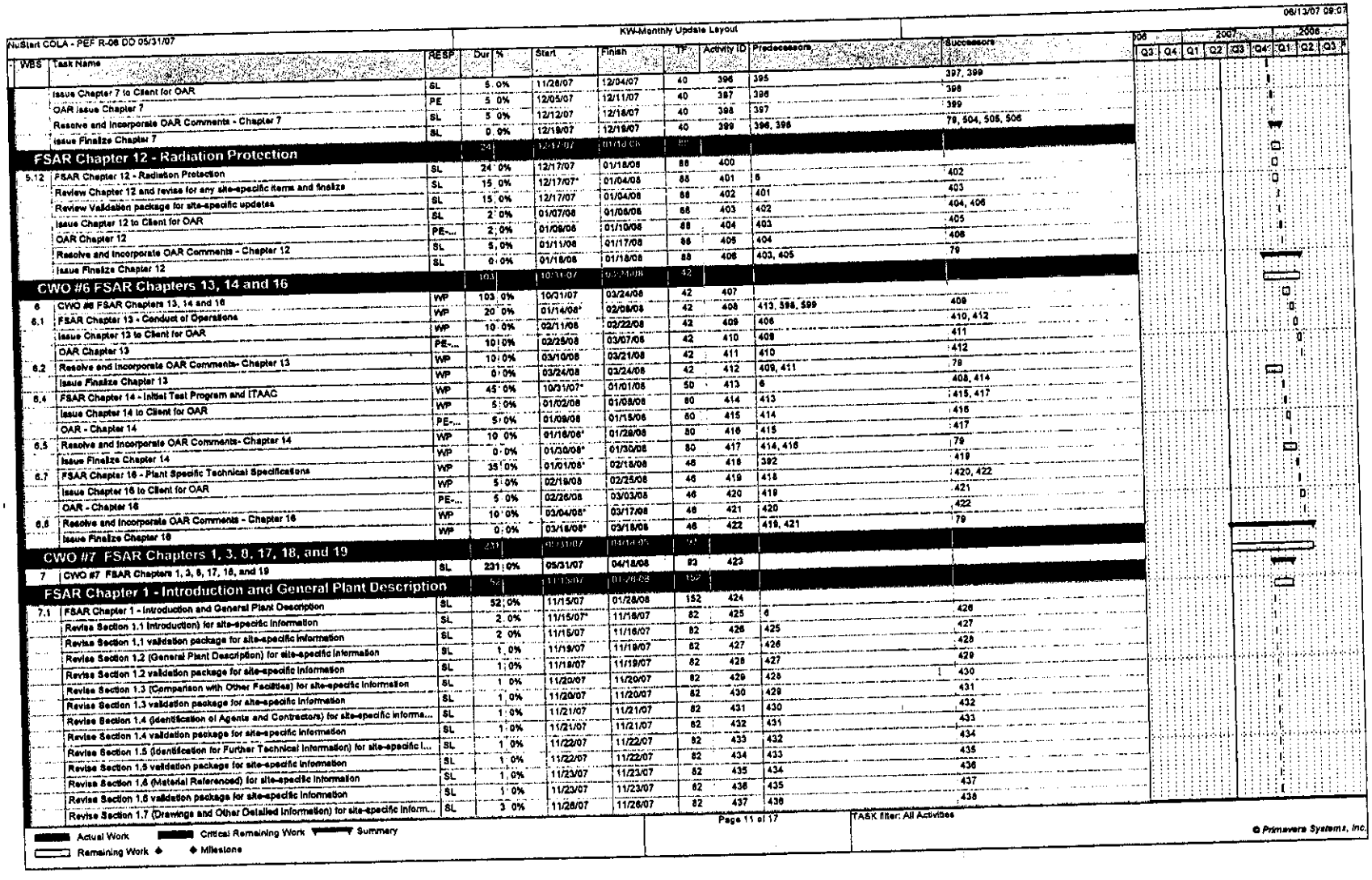


Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

TASK filter: All Activities

© Primavera Systems, Inc

[!] CONFIDENTIAL



06/13/07 09:07

NuStart COLA - PEF R-06 DD 05/31/07 — KW-Monthly Update Layout

WBS	Task Name	RESP	Dur	%	Start	Finish	TF	Activity ID	Predecessors	Successors
	Issue Chapter 7 to Client for OAR	SL	5	0%	11/28/07	12/04/07	40	396	395	397, 399
	OAR Issue Chapter 7	PE	5	0%	12/05/07	12/11/07	40	397	396	398
	Resolve and Incorporate OAR Comments - Chapter 7	SL	5	0%	12/12/07	12/18/07	40	398	397	399
	Issue Finalize Chapter 7	SL	0	0%	12/19/07	12/19/07	40	399	396, 398	79, 504, 505, 506
	FSAR Chapter 12 - Radiation Protection		24		12/17/07	01/18/08	88			
5.12	FSAR Chapter 12 - Radiation Protection	SL	24	0%	12/17/07	01/18/08	88	400		402
	Review Chapter 12 and revise for any site-specific items and finalize	SL	15	0%	12/17/07*	01/04/08	88	401	6	403
	Review Validation package for site-specific updates	SL	15	0%	12/17/07	01/04/08	88	402	401	404, 406
	Issue Chapter 12 to Client for OAR	SL	2	0%	01/07/08	01/08/08	88	403	402	405
	OAR Chapter 12	PE-...	2	0%	01/09/08	01/10/08	88	404	403	408
	Resolve and Incorporate OAR Comments - Chapter 12	SL	5	0%	01/11/08	01/17/08	88	405	404	79
	Issue Finalize Chapter 12	SL	0	0%	01/18/08	01/18/08	88	406	403, 405	
	CWO #6 FSAR Chapters 13, 14 and 16		104		10/31/07	03/24/08	42			
6	CWO #6 FSAR Chapters 13, 14 and 16	WP	103	0%	10/31/07	03/24/08	42	407		408
6.1	FSAR Chapter 13 - Conduct of Operations	WP	20	0%	01/14/08*	02/08/08	42	408	413, 598, 599	410, 412
	Issue Chapter 13 to Client for OAR	WP	10	0%	02/11/08	02/22/08	42	409	408	411
	OAR Chapter 13	PE-...	10	0%	02/25/08	03/07/08	42	410	409	412
6.2	Resolve and Incorporate OAR Comments- Chapter 13	WP	10	0%	03/10/08	03/21/08	42	411	410	79
	Issue Finalize Chapter 13	WP	0	0%	03/24/08	03/24/08	42	412	409, 411	408, 414
6.4	FSAR Chapter 14 - Initial Test Program and ITAAC	WP	45	0%	10/31/07*	01/01/08	50	413	6	415, 417
	Issue Chapter 14 to Client for OAR	WP	5	0%	01/02/08	01/08/08	80	414	413	416
	OAR - Chapter 14	PE-...	5	0%	01/09/08	01/15/08	80	415	414	417
6.5	Resolve and Incorporate OAR Comments- Chapter 14	WP	10	0%	01/16/08*	01/28/08	80	416	415	79
	Issue Finalize Chapter 14	WP	0	0%	01/30/08*	01/30/08	80	417	414, 416	419
6.7	FSAR Chapter 16 - Plant Specific Technical Specifications	WP	35	0%	01/01/08*	02/18/08	48	418	392	420, 422
	Issue Chapter 16 to Client for OAR	WP	5	0%	02/19/08	02/25/08	48	419	418	421
	OAR - Chapter 16	PE-...	5	0%	02/26/08	03/03/08	48	420	419	422
6.8	Resolve and Incorporate OAR Comments - Chapter 16	WP	10	0%	03/04/08*	03/17/08	48	421	420	79
	Issue Finalize Chapter 16	WP	0	0%	03/18/08*	03/18/08	48	422	419, 421	
	CWO #7 FSAR Chapters 1, 3, 8, 17, 18, and 19		231		05/31/07	04/14/08	82			
7	CWO #7 FSAR Chapters 1, 3, 8, 17, 18, and 19	SL	231	0%	05/31/07	04/18/08	82	423		
	FSAR Chapter 1 - Introduction and General Plant Description		52		11/15/07	01/28/08	152			
7.1	FSAR Chapter 1 - Introduction and General Plant Description	SL	52	0%	11/15/07	01/28/08	152	424		
	Revise Section 1.1 (Introduction) for site-specific information	SL	2	0%	11/15/07*	11/16/07	82	425	6	426
	Revise Section 1.1 validation package for site-specific information	SL	2	0%	11/15/07	11/16/07	82	426	425	427
	Revise Section 1.2 (General Plant Description) for site-specific information	SL	1	0%	11/19/07	11/19/07	82	427	426	428
	Revise Section 1.2 validation package for site-specific information	SL	1	0%	11/19/07	11/19/07	82	428	427	429
	Revise Section 1.3 (Comparison with Other Facilities) for site-specific information	SL	1	0%	11/20/07	11/20/07	82	429	428	430
	Revise Section 1.3 validation package for site-specific information	SL	1	0%	11/20/07	11/20/07	82	430	429	431
	Revise Section 1.4 (Identification of Agents and Contractors) for site-specific informa...	SL	1	0%	11/21/07	11/21/07	82	431	430	432
	Revise Section 1.4 validation package for site-specific information	SL	1	0%	11/21/07	11/21/07	82	432	431	433
	Revise Section 1.5 (Identification for Further Technical Information) for site-specific I...	SL	1	0%	11/22/07	11/22/07	82	433	432	434
	Revise Section 1.5 validation package for site-specific information	SL	1	0%	11/22/07	11/22/07	82	434	433	435
	Revise Section 1.6 (Material Referenced) for site-specific information	SL	1	0%	11/23/07	11/23/07	82	435	434	436
	Revise Section 1.6 validation package for site-specific information	SL	1	0%	11/23/07	11/23/07	82	436	435	437
	Revise Section 1.7 (Drawings and Other Detailed Information) for site-specific inform...	SL	3	0%	11/26/07	11/26/07	82	437	436	438

2006 Q3 Q4 | 2007 Q1 Q2 Q3 Q4 | 2008 Q1 Q2 Q3

Actual Work — Critical Remaining Work — Summary
Remaining Work — Milestone

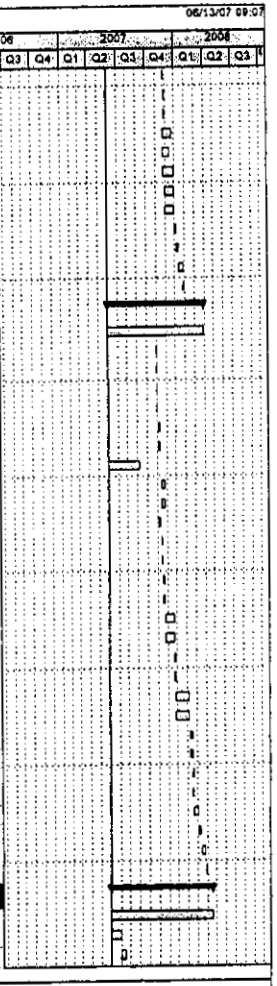
TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

NuStart COLA - PEF R-06 DD 05/31/07 | KW-Monthly Update Layout | 06/13/07 09:07

WBS	Task Name	RESP	Dur	%	Start	Finish	TF	Activity ID	Predecessors	Successors
	Revise Section 1.7 validation package for site-specific information	SL	3	0%	11/26/07	11/28/07	82	438	437	439
	Revise Section 1.8 (Interfaces with Standard Designs and Early Site Permits) for site...	SL	2	0%	11/29/07	11/30/07	82	439	438	440
	Revise Section 1.8 validation package for site-specific information	SL	2	0%	11/29/07	11/30/07	82	440	439	444
	Bulletins and Generic Letters (WCAP - 13559) (Open Item in DCD)	SL	20	0%	11/26/07*	12/21/07	172	441		442, 443
	Unresolved Safety Issues and Generic Safety Issues (Open Item in DCD)	SL	15	0%	11/26/07	12/14/07	182	442	441	
	Regulatory Guide Compliance	SL	25	0%	11/26/07	12/26/07	172	443	441	
	Revise Section 1.9 (Conformance with Regulatory Criteria) for site-specific informat...	SL	20	0%	12/03/07	12/28/07	82	444	440	445
	Revise Section 1.9 validation package for site-specific information	SL	20	0%	12/03/07	12/28/07	82	445	444	446
	Issue Chapter 1 to Client for OAR	SL	5	0%	12/31/07	01/04/08	82	446	445	447, 449
	OAR - Chapter 1	PE-...	5	0%	01/07/08	01/11/08	82	447	446	448
	Resolve and Incorporate OAR Comments -Chapter 1	SL	10	0%	01/14/08	01/25/08	82	448	447	449
	Issue Finalize Chapter 1	SL	0	0%	01/28/08	01/28/08	82	449	446, 448	79
	FSAR Chapter 3 - Design of Structures, Systems Equipment a...		216		05/31/07	03/28/08	100			
7.2	FSAR Chapter 3 - Design of Structures, Systems Equipment and Components	SL	216	0%	05/31/07	03/28/08	106	450		452
	Revise Section 3.1 (Conformance with NRC General Design Criteria) for site-specif...	SL	2	0%	10/31/07*	11/01/07	196	451	9	453
	Revise Section 3.1 validation package for site-specific information	SL	2	0%	10/31/07	11/01/07	196	452	451	454
	Revise Section 3.2 (General Plant Description) for site-specific information	SL	1	0%	11/02/07	11/02/07	196	453	452	455
	Revise Section 3.2 validation package for site-specific information	SL	1	0%	11/02/07	11/02/07	196	454	453	456
	Revise Section 3.3 (Wind and Tornado Loadings) for site-specific information	SL	6	0%	11/05/07	11/12/07	196	455	454	458
	Revise Section 3.3 validation package for site-specific information	SL	6	0%	11/05/07	11/12/07	196	456	455	
	Conceptual Design Site-Specific Flooding Hazards Protective measures if DCD is no...	SL	72	0%	05/31/07	09/07/07	252	457		459
	Revise Section 3.4 (Water Level (Flood) Design)) for site-specific information	SL	10	0%	11/13/07	11/28/07	196	458	456	
	Revise Section 3.4 validation package for site-specific information	SL	10	0%	11/13/07	11/28/07	196	459	458	
	External Missile Protection Requirements (COL Item 3.5-1)	SL	5	0%	11/06/07*	11/12/07	206	460		462
	Revise Section 3.5 (Missile Protection) for site-specific information	SL	3	0%	11/14/07	11/16/07	38	461	6	463
	Revise Section 3.5 validation package for site-specific information	SL	3	0%	11/14/07	11/16/07	38	462	461	464
	Revise Section 3.6 (Protection Against Dynamic Effects Associated with the Postulat...	SL	5	0%	11/19/07	11/23/07	38	463	462	465
	Revise Section 3.6 validation package for site-specific information	SL	5	0%	11/19/07	11/23/07	38	464	463	466
	Revise Section 3.7 (Seismic Design) for site-specific information	SL	20	0%	11/26/07	12/21/07	38	465	464	467
	Revise Section 3.7 validation package for site-specific information	SL	20	0%	11/26/07	12/21/07	38	466	465	468
	Revise Section 3.8 (Design of Category I Structures) for site-specific information	SL	4	0%	12/24/07	12/27/07	38	467	466	469
	Revise Section 3.8 validation package for site-specific information	SL	4	0%	12/24/07	12/27/07	38	468	467	470
	Revise Section 3.9 (Mechanical Systems and Components) for site-specific informat...	SL	30	0%	12/28/07	02/07/08	38	469	468	471
	Revise Section 3.9 validation package for site-specific information	SL	30	0%	12/28/07	02/07/08	38	470	469	472
	Revise Section 3.10 (Seismic and Dynamic Qualification of Mechanical and Electrica...	SL	6	0%	02/08/08	02/15/08	38	471	470	473
	Revise Section 3.10 validation package for site-specific information	SL	6	0%	02/08/08	02/15/08	38	472	471	474
	Revise Section 3.11 (Environmental Qualification of Mechanical and Electrical Equip...	SL	3	0%	02/18/08	02/20/08	38	473	472	475
	Revise Section 3.11 validation package for site-specific information	SL	3	0%	02/18/08	02/20/08	38	474	473	476, 478
	Issue Chapter 3 to Client for OAR	SL	8	0%	02/21/08	03/03/08	38	475	474	477
	OAR - Chapter 3	PE-...	8	0%	03/04/08	03/13/08	38	476	475	478
	Resolve and Incorporate OAR Comments -Chapter 3	SL	10	0%	03/14/08	03/27/08	38	477	476	79
	Issue Finalize Chapter 3	SL	0	0%	03/28/08	03/28/08	38	478	476, 477	
	FSAR Chapter 8 - Electrical Power		231		05/31/07	04/18/08	93			
7.3	FSAR Chapter 8 - Electrical Power	SL	231	0%	05/31/07	04/18/08	93	479		481, 482
	PEF Provide Transmission System Interconnections	PE-...	22	0%	06/01/07*	07/02/07	181	480		482
	Develop a brief description of offsite system	SL	10	0%	07/03/07	07/16/07	181	481	480	



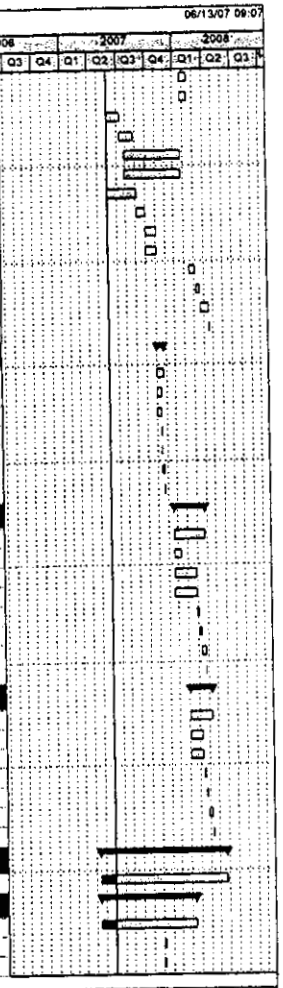
Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

TASK filter: All Activities

© Primavera Systems, Inc

CONFIDENTIAL

WBS	Task Name	RESP	Dur	%	Start	Finish	TF	Activity ID	Predecessors	Successors
	Revise Section 8.1 (Introduction) for site-specific information	SL	15	0%	01/25/08	02/14/08	23	482	623, 628, 480, 481, 486, 490	483, 482
	Revise Section 8.1 validation package for site-specific information	SL	15	0%	01/25/08	02/14/08	138	483	482	
	Offsite Electrical Power (COL Item 8.2-1)	SL	30	0%	06/01/07*	07/12/07	148	484		485, 486
	Technical Interfaces (COL Item 8.2-2)	SL	30	0%	07/13/07	08/23/07	148	485	484	486
	Revise Section 8.2 (Offsite Power Systems) for site-specific information	SL	130	0%	07/27/07	01/24/08	38	486	623, 484, 485, 630, 632, 634, 636	488, 482, 487, 492
	Revise Section 8.2 validation package for site-specific information	SL	130	0%	07/27/07	01/24/08	153	487	486	
	Grounding and lighting protection (COL Item 8.3-1)	SL	68	0%	05/31/07*	08/03/07	81	488		489, 490
	Onsite Electrical Power Plant Procedures (COL Item 8.3-2)	SL	20	0%	09/04/07	10/01/07	81	489	488	490
	Revise Section 8.3 (Onsite Power Systems) for site-specific information	SL	25	0%	10/02/07	11/05/07	81	490	488, 489	482, 491, 492
	Revise Section 8.3 validation package for site-specific information	SL	25	0%	10/02/07	11/05/07	211	491	490	
	Issue Chapter 8 to Client for OAR	SL	15	0%	02/15/08*	03/06/08	23	492	482, 488, 490	493, 495
	OAR - Chapter 8	PE-...	10	0%	03/07/08*	03/20/08	23	493	492	494
	Resolve and Incorporate OAR Comments - Chapter 8	SL	20	0%	03/21/08	04/17/08	23	494	493	495
	Issue Finalize Chapter 8	SL	0	0%	04/18/08	04/18/08	23	495	492, 494	79
	FSAR Chapter 17 - Quality Assurance (Prepare Chapter)		17		10/31/07	11/23/07	128			
7.4	FSAR Chapter 17 - Quality Assurance (Prepare Chapter)	SL	17	0%	10/31/07	11/23/07	128	496		
	Revise Chapter 17 for site-specific information	SL	10	0%	10/31/07	11/13/07	128	497	6	498
	Revise Chapter 17 validation package for site-specific information	SL	10	0%	10/31/07	11/13/07	128	498	497	499
	Issue Chapter 17 to Client for OAR	SL	1	0%	11/14/07	11/14/07	128	499	498	500
	Oar - Chapter 17	PE-...	1	0%	11/15/07	11/15/07	128	500	499	501
	Resolve and Incorporate OAR Comments - Chapter 8	SL	5	0%	11/16/07	11/22/07	128	501	500	502
	Issue Finalize Chapter 8	SL	0	0%	11/23/07	11/23/07	128	502	501	79
	FSAR Chapter 18 - Human Factors Engineering		70		12/19/07	03/26/08	110			
7.5	FSAR Chapter 18 - Human Factors Engineering	SL	70	0%	12/19/07	03/26/08	110	503		
	Design of Emergency Operational Facility (COL Item 18.2-2)	SL	15	0%	12/19/07	01/08/08	165	504	399, 6	
	Revise Chapter 18 for site-specific information	SL	50	0%	12/19/07	02/28/08	40	505	399	507
	Revise Chapter 18 validation package for site-specific information	SL	50	0%	12/19/07	02/28/08	130	506	399	
	Issue Chapter 18 to Client for OAR	SL	5	0%	02/27/08	03/04/08	40	507	505	508, 510
	OAR -Chapter 18	PE-IC	5	0%	03/05/08	03/11/08	40	508	507	509
	Resolve and Incorporate OAR Comments -Chapter 18	SL	10	0%	03/12/08	03/25/08	40	509	506	510
	Issue Finalize Chapter 18	SL	0	0%	03/26/08	03/26/08	40	510	507, 509	79
	FSAR Chapter 19 - Plant Specific PRA		50		02/01/08	04/11/08	98			
7.6	FSAR Chapter 19 - Plant Specific PRA	SL	50	0%	02/01/08	04/11/08	98	511		
	Revise Chapter 19 for site-specific information	SL	30	0%	02/01/08*	03/13/08	28	512		513, 514
	Revise Chapter 19 validation package for site-specific information	SL	30	0%	02/01/08	03/13/08	118	513	512	
	Issue Chapter 19 to Client for OAR	SL	5	0%	03/14/08	03/20/08	28	514	512	515, 517
	OAR - Chapter 19	PE-...	5	0%	03/21/08	03/27/08	28	515	514	516
	Resolve and Incorporate OAR Comments - Chapter 19	SL	10	0%	03/28/08	04/10/08	28	516	515	517
	Issue Finalize Chapter 19	SL	0	0%	04/11/08	04/11/08	28	517	514, 516	79
	FSAR Chapters 9, 10, 11 and 15		234		04/15/07 A	05/22/08	68			
8	FSAR Chapters 9, 10, 11 and 15	SL	234	0%	04/15/07 A	05/22/08	68	518		
	FSAR Chapter 9 - Auxiliary Systems		163		04/15/07 A	02/04/08	139			
8.1	FSAR Chapter 9 - Auxiliary Systems	SL	163	0%	04/15/07 A	02/13/08	139	519		
	Revise Section 9.1 (Fuel Storage and Handling) for site-specific information	SL	4	0%	11/01/07*	11/06/07	93	520		521, 525, 541
	Revise Section 9.1 validation package for site-specific information	SL	4	0%	11/01/07	11/06/07	210	521	520	



Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

NuStart COLA - PEF R-06 DD 05/31/07 | KW-Monthly Update Layout | 06/13/07 09:07

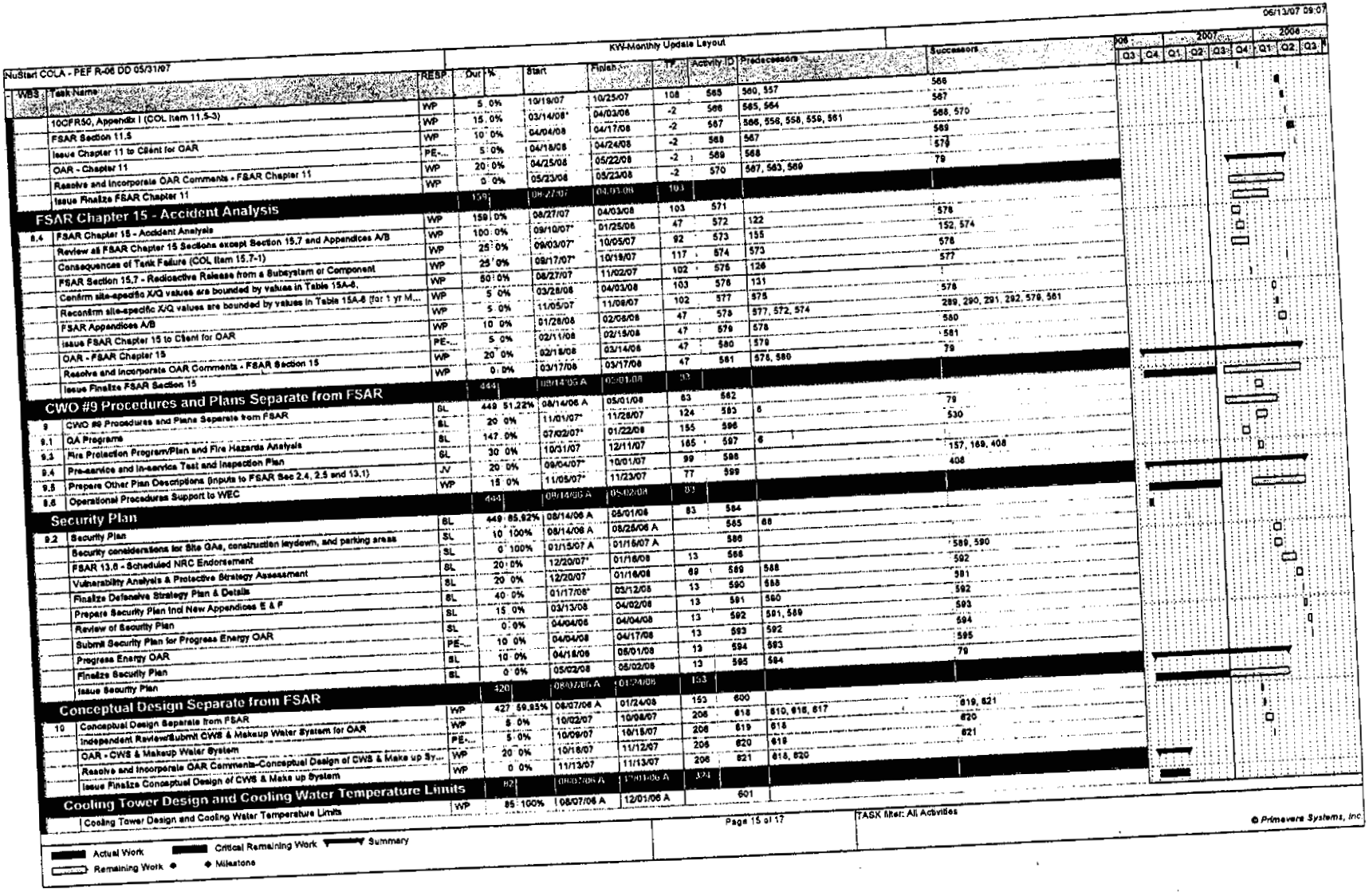
WBS	Task Name	RESP	Dur	%	Start	Finish	TF	Activity ID	Predecessors	Successors
	The site-specific portions of the sanitary drainage system will be incorporated into th...	SL	50	30%	04/15/07 A	08/08/07	166	522		523
	Revise Section 9.2 (Water Systems) for site-specific information	SL	3	0%	08/09/07	08/13/07	166	523	522	524, 541
	Revise Section 9.2 validation package for site-specific information	SL	3	0%	08/09/07	08/13/07	271	524	523	
	Revise Section 9.3 (Process Auxiliaries) for site-specific information	SL	2	0%	11/07/07	11/08/07	93	525	520	526, 527, 541
	Revise Section 9.3 validation package for site-specific information	SL	2	0%	11/07/07	11/08/07	208	526	525	
	Revise Section 9.4 (Air-Conditioning, Heating, Cooling, and Ventilation Systems) for ...	SL	10	0%	11/09/07	11/22/07	93	527	525	528, 541
	Revise Section 9.4 validation package for site-specific information	SL	10	0%	11/09/07	11/22/07	198	528	527	
	Issue Chapter 9 to Client for OAR	SL	10	0%	11/23/07	12/06/07	93	541	520, 523, 525, 527, 528	542, 544
	OAR - Chapter 9	PE-...	5	0%	12/07/07	12/13/07	93	542	541	543
	Resolve and Incorporate OAR Comments- Chapter 9	SL	20	0%	12/14/07	01/10/08	93	543	542	544
	Issue Finalize Chapter 9	SL	0	0%	01/11/08	01/11/08	93	544	541, 543	79
	Revise Section 9.5 (Other Auxiliary Systems) for site-specific i...		163		07/02/07	02/13/08	139			
	Revise Section 9.5 (Other Auxiliary Systems) for site-specific information	SL	163	0%	07/02/07	02/13/08	139	529		541
	Fire Protection Analysis Information (COL Item 9.5-2)	SL	60	0%	07/02/07*	09/21/07	210	530	596	531, 533
	Regulatory Conformance (COL Item 9.5-3)	SL	20	0%	09/24/07*	10/19/07	210	531	530	532, 533
	NFPA Exceptions (COL Item 9.5-4)	SL	2	0%	10/22/07	10/23/07	210	532	531	533
	Revise Section 9.5.1 (Fire Protection Program) for site-specific information	SL	10	0%	10/31/07*	11/13/07	205	533	530, 531, 532	534
	Revise Section 9.5.1 validation package for site-specific information	SL	10	0%	10/31/07	11/13/07	205	534	533	
	Offsite Interfaces (COL Item 9.5-9)	SL	20	0%	11/15/07*	12/12/07	139	535		536, 539
	Emergency Offsite Communications (COL Item 9.5-10)	SL	10	0%	12/13/07	12/26/07	139	536	535	537, 539
	Security Communications (COL Item 9.5-11)	SL	0	0%	12/27/07	12/27/07	139	537	536	536, 538
	Cathodic Protection (COL Item 9.5-12)	SL	25	0%	12/27/07	01/30/08	139	538	537	539
	Revise Section 9.5.2 through 9.5.8 for site-specific information	SL	10	0%	01/31/08	02/13/08	139	539	537, 538, 535, 536	540
	Revise Section 9.5.2 through 9.5.8 validation package for site-specific information	SL	10	0%	01/31/08	02/13/08	139	540	539	
	FSAR Chapter 10 - Steam and Power Conversion		130		11/22/07	05/22/08	-1			
8.2	FSAR Chapter 10 - Steam and Power Conversion	WP	130	0%	11/22/07	05/22/08	-1	545		
	Revise FSAR Section 10.1 - 10.3	WP	70	0%	11/22/07*	02/27/08	-1	546	6, 648	547, 549
	Circulating Water Supply (COL Item 10.4-1)	WP	58	0%	11/22/07	02/11/08*	38	547	546	548
	Condensate, Feedwater and Auxiliary Steam System Chemistry Control (COL Item 1...	NU	5	0%	02/12/08*	02/18/08	38	548	547	550
	Potable Water (COL Item 10.4-3)	WP	30	0%	02/28/08	04/08/08*	-1	549	546	550
	FSAR Section 10.4	WP	5	0%	04/10/08*	04/16/08	-1	550	548, 549, 610, 616, 617	551
	Issue Chapter 10 to Client for OAR	WP	10	0%	04/17/08*	04/30/08	-1	551	550	552, 554
	OAR - Chapter 10	PE-...	5	0%	05/01/08*	05/07/08	-1	552	551	553
	Resolve and Incorporate OAR Comments -Chapter 10	WP	10	0%	05/08/08*	05/21/08	-1	553	552	554
	Issue Finalize FSAR Chapter 10	WP	0	0%	05/22/08*	05/22/08	-1	554	551, 553	79
	FSAR Chapter 11 - Radioactive Waste Management		190		08/31/07	05/23/08	-2			
8.3	FSAR Chapter 11 - Radioactive Waste Management	WP	190	0%	08/31/07	05/23/08	-2	555		
	Revise FSAR Section 11.1	WP	5	0%	10/24/07	10/31/07*	110	556	6	557
	Cost Benefit Analysis of Population Doses (COL Item 11.2-2)	WP	10	0%	08/31/07	09/14/07	133	557	127, 102	266, 558, 565
	FSAR Section 11.2	WP	10	0%	09/14/07	09/28/07	133	558	557	261, 567
	FSAR Section 11.3	WP	10	0%	10/26/07	11/08/07	103	559	560	261, 567
	Cost Benefit Analysis of Population Doses (COL Item 11.3-1)	WP	40	0%	08/31/07*	10/25/07	103	560	127, 102	266, 559, 565
	FSAR Section 11.4	WP	5	0%	10/31/07*	11/08/07	105	561	6	261, 567
	Revise Cost Benefit Analysis of Population Doses (COL Item 11.3-1) for Revised Lo...	WP	5	0%	03/28/08	04/03/08	31	562	132, 102	271, 563
	Revise FSAR Section 11.4 to incorporate revised cost benefit analysis (COL Item 11...	WP	2	0%	04/04/08	04/07/08	31	563	562	271, 570
	Plant Offsite Dose Calculation Manual (OCDM) (COL Item 11.5-1)	WP	15	0%	03/14/08*	04/03/08	-2	564	102, 126, 129	566

Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

TASK filter: All Activities

© Primavera Systems, Inc.

[1] CONFIDENTIAL



NuStart COLA - PEF R-06 DD 05/31/07 — KW-Monthly Update Layout — 06/13/07 09:07

WBS	Task Name	RESP	Dur	%	Start	Finish	TF	Activity ID	Predecessors	Successors
	10CFR50, Appendix I (COL Item 11.5-3)	WP	5	0%	10/19/07	10/25/07	108	565	560, 557	566
	FSAR Section 11.5	WP	15	0%	03/14/08*	04/03/08	-2	566	565, 564	567
	Issue Chapter 11 to Client for OAR	PE-...	10	0%	04/04/08	04/17/08	-2	567	566, 556, 558, 559, 561	568, 570
	OAR - Chapter 11	WP	5	0%	04/18/08	04/24/08	-2	568	567	569
	Resolve and Incorporate OAR Comments - FSAR Chapter 11	WP	20	0%	04/25/08	05/22/08	-2	569	568	570
	Issue Finalize FSAR Chapter 11	WP	0	0%	05/23/08	05/23/08	-2	570	567, 563, 569	79
	FSAR Chapter 15 - Accident Analysis		159		08/27/07	04/03/08	103			
8.4	FSAR Chapter 15 - Accident Analysis	WP	159	0%	08/27/07	04/03/08	103	571		578
	Review all FSAR Chapter 15 Sections except Section 15.7 and Appendices A/B	WP	100	0%	09/10/07*	01/25/08	47	572	122	152, 574
	Consequences of Tank Failure (COL Item 15.7-1)	WP	25	0%	09/03/07*	10/05/07	92	573	155	576
	FSAR Section 15.7 - Radioactive Release from a Subsystem or Component	WP	25	0%	08/17/07*	10/19/07	117	574	573	577
	Confirm site-specific X/Q values are bounded by values in Table 15A-6.	WP	50	0%	08/27/07	11/02/07	102	576	126	
	Reconfirm site-specific X/Q values are bounded by values in Table 15A-8 (for 1 yr M...	WP	5	0%	03/28/08	04/03/08	103	576	131	578
	FSAR Appendices A/B	WP	10	0%	11/05/07	11/08/07	102	577	575	289, 290, 291, 292, 578, 581
	Issue FSAR Chapter 15 to Client for OAR	PE-...	5	0%	01/28/08	02/05/08	47	578	577, 572, 574	580
	OAR - FSAR Chapter 15	WP	20	0%	02/11/08	02/15/08	47	579	578	581
	Resolve and Incorporate OAR Comments - FSAR Section 15	WP	0	0%	02/18/08	03/14/08	47	580	579	79
	Issue Finalize FSAR Section 15		444		03/17/08	03/17/08	47	581	576, 580	
	CWO #9 Procedures and Plans Separate from FSAR				08/14/06 A	05/02/08	83			
9	CWO #9 Procedures and Plans Separate from FSAR	BL	449	51.22%	08/14/06 A	05/01/08	83	582		79
9.1	QA Programs	BL	20	0%	11/01/07*	11/28/07	124	583	6	530
9.3	Fire Protection Program/Plan and Fire Hazards Analysis	BL	147	0%	07/02/07*	01/22/08	155	586		
9.4	Pre-service and In-service Test and Inspection Plan	JV	30	0%	10/31/07	12/11/07	165	587	6	157, 169, 408
9.5	Prepare Other Plan Descriptions (inputs to FSAR Sec 2.4, 2.5 and 13.1)	WP	20	0%	09/04/07*	10/01/07	99	588		408
9.6	Operational Procedures Support to WEC		15	0%	11/05/07*	11/23/07	77	599		
	Security Plan		444		08/14/06 A	05/02/08	83			
9.2	Security Plan	BL	449	85.92%	08/14/06 A	05/01/06	83	584		
	Security considerations for Site GAs, construction laydown, and parking areas	SL	10	100%	08/14/06 A	08/25/06 A		585	66	
	FSAR 13.6 - Scheduled NRC Endorsement	SL	0	100%	01/15/07 A	01/16/07 A		586		589, 590
	Vulnerability Analysis & Protective Strategy Assessment	BL	20	0%	12/20/07*	01/16/08	13	588		592
	Finalize Defensive Strategy Plan & Details	SL	20	0%	12/20/07	01/16/08	89	589	588	591
	Prepare Security Plan Incl New Appendices E & F	BL	40	0%	01/17/08*	03/12/08	13	590	585	592
	Review of Security Plan	SL	15	0%	03/13/08	04/02/08	13	591	590	593
	Submit Security Plan for Progress Energy OAR	SL	0	0%	04/04/08	04/04/08	13	592	591, 589	594
	Progress Energy OAR	PE-...	10	0%	04/04/08	04/17/08	13	593	592	595
	Finalize Security Plan	SL	10	0%	04/18/08	05/01/08	13	594	593	79
	Issue Security Plan	SL	0	0%	05/02/08	05/02/08	13	595	594	
	Conceptual Design Separate from FSAR		420		08/07/06 A	01/24/08	153			
10	Conceptual Design Separate from FSAR	WP	427	59.85%	08/07/06 A	01/24/08	153	600		619, 621
	Independent Review/Submit CWS & Makeup Water System for OAR	WP	5	0%	10/02/07	10/08/07	206	618	610, 616, 617	620
	OAR - CWS & Makeup Water System	PE-...	5	0%	10/09/07	10/15/07	206	619	618	621
	Resolve and Incorporate OAR Comments-Conceptual Design of CWS & Make up Sy...	WP	20	0%	10/16/07	11/12/07	206	620	619	
	Issue Finalize Conceptual Design of CWS & Make up System	WP	0	0%	11/13/07	11/13/07	206	621	618, 620	
	Cooling Tower Design and Cooling Water Temperature Limits		82		08/07/06 A	12/01/06 A	324			
	Cooling Tower Design and Cooling Water Temperature Limits	WP	85	100%	08/07/06 A	12/01/06 A		601		

2006 Q3 Q4 — 2007 Q1 Q2 Q3 Q4 — 2008 Q1 Q2 Q3

Actual Work · Remaining Work · Critical Remaining Work · Milestone · Summary

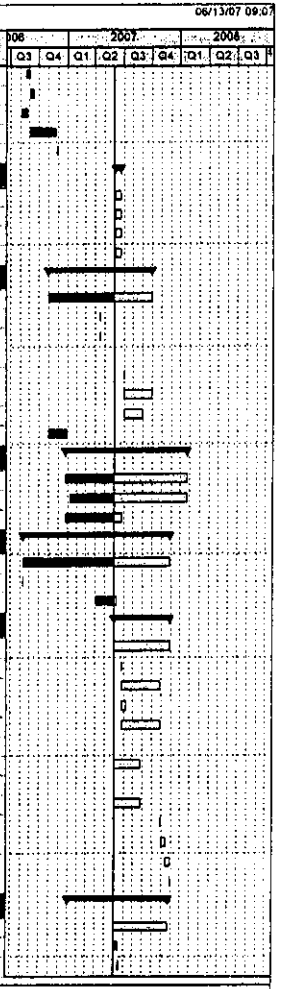
TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

NuStart COLA - PEF R-06 DD 05/31/07 | KW-Monthly Update Layout | 06/13/07 09:07

WBS	Task Name	RESP	Dur	%	Start	Finish	TF	Activity ID	Predecessors	Successors
	Establish 0% exceedance Wet Bulb and Dry Bulb Temperature for site	WP	10	100%	08/21/06 A	09/01/06 A		602	8	603
	Discuss with Westinghouse of impact of dry and Wet Bulb temperature on AP1000 ...	WP	10	100%	09/04/06 A	09/15/06 A		603	602	
	Develop cooling tower options	WP	15	100%	08/07/06 A	08/25/06 A		604	8	
	Westinghouse AP1000 Buyers CSW Optimization TF participation	WP	60	100%	09/04/06 A	11/24/06 A		605	7	606
	Westinghouse Optimization results available to PE	WP	5	100%	11/27/06 A	12/01/06 A		606	605	72
	Circulating Systems Makeup Water System		10		05/04/07	06/21/07	208			
10.2	Circulating Systems Makeup Water System	WP	14	0%	06/04/07	06/21/07	208	607		
	Water Source for Cooling Tower Makeup	WP	13	0%	06/04/07*	06/20/07	208	608		609
	Langlier Index of Makeup Water	WP	13	0%	06/04/07*	06/20/07	208	609	608	610
	Analysis Data on Makeup Water Source	WP	14	0%	06/04/07	06/21/07	208	610	609	550, 616
	Conceptual Design of CWS		235		11/01/06 A	10/01/07	236			
10.3	Conceptual Design of CWS	WP	236	63.18%	11/01/06 A	10/01/07	236	611		
	Condenser Heat Load, BTU/hr	WP	0	100%	04/16/07 A	04/16/07 A		612		613, 614, 615, 616
	Circulating Water Flow to Condenser GPM	WP	0	100%	04/16/07 A	04/16/07 A		613	612	
	Maximum Temp Limit on Circ Water to Condenser, Degress F	WP	0	0%	05/31/07*	05/31/07	324	614	612	
	Above Data for any Other Cooling Water Services Supplied from Circulating Water ...	WP	0	0%	07/02/07*	07/02/07	302	615	612	
	Circ Water System Calculations - Cooling Tower Sizing, Cooling Tower Blowdown a...	WP	66	0%	07/02/07*	10/01/07	99	616	612	154, 550, 618
	Develop Preliminal Circ Water/ Circ Water Make-up P&ID (FSAR Figure)	WP	44	0%	07/02/07*	08/30/07	118	617		154, 550, 618
10.3	Initial CWS Evaluation 4 QTR '06	WP	43	100%	11/01/06 A	12/29/06 A		682		
	Transmission Line Routing and Grid Analysis (by Progress E...		188		12/26/06 A	01/24/08	23			
TBD	Transmission Line Routing and Grid Analysis (by Progress Energy Transmission Gro...	PE	188	9.52%	12/26/06 A	01/24/08	23	622		
	Finalize Transmission line and substation upgrades and Grid Stability Analysis	PE-...	160	5%	01/05/07 A	01/24/08	23	623	8	482, 486
	Provide design inputs for switchyard design	PE-...	66	28%	12/26/06 A	06/26/07	101	624		624, 629
	Switchyard Layout and Design		337		08/14/06 A	11/28/07	195			
TBD	Switchyard Layout and Design	SL	337	61.72%	08/14/06 A	11/28/07	195	625		
	Establish the directions transmission lines will leave the plant switchyards (Progress ...	PE-...	0	100%	08/14/06 A	08/14/06 A		626	8	627
	Establish the size and locations of the switchyards for GA	SL	5	60%	04/02/07 A	06/06/07	33	627	626	98
	Conceptual Design of Switchyards		129		05/31/07	11/28/07	195			
10.1	Conceptual Design of Switchyards	SL	129	0%	05/31/07	11/28/07	195	628	624	482
	PGN Provide Transmission Line Description & Dwg Line Routes	PE-...	0	0%	06/26/07*	06/26/07	101	629	624	630, 631, 632
	Develop Switchyard Physical Layout Dwgs	SL	90	0%	06/26/07	10/29/07	101	630	629	486, 637
	PGN Provide Desired Configuration of Switchyard	PE-...	10	0%	06/26/07	07/09/07	101	631	629	632
	Develop Switchyard Single Line Diagrams	SL	90	0%	06/26/07	10/29/07	101	632	629, 631	486, 637
	PGN Provide Description of New Switchyard Relay Protection	PE-...	0	0%	05/31/07*	05/31/07	149	633		634, 635
	Develop Descriptions of Switchyard Prot. Relay Philosophy	SL	60	0%	05/31/07	08/22/07	149	634	633	486, 637
	PGN Provide Description of Existing Offsite Power Test & Inspection Procedures	PE-...	0	0%	05/31/07	05/31/07	149	635	633	636
	Develop Descriptions of Switchyard Testing & Inspection Plan	SL	60	0%	05/31/07	08/22/07	149	636	635	486, 637
	Issue Switchyard Conceptual Design for OAR	SL	1	0%	10/30/07	10/30/07	195	637	630, 632, 634, 636	638, 640
	PGN Review of Conceptual Design	PE-...	10	0%	10/31/07	11/13/07	195	638	637	639
	Resolve and Incorporate OAR Comments -Conceptual Design of Switchyard	SL	10	0%	11/14/07	11/27/07	195	639	638	640
	Issue Finalize Conceptual Design of Switchyard	SL	0	0%	11/28/07	11/28/07	195	640	637, 639	
	CWO #12 Conceptual Design of Raw Water System		124		06/01/07 A	11/21/07	42			
	CWO #12 Conceptual Design of Raw Water System	SL	124	0%	06/01/07	11/21/07	42	641		
	Phase I Water balance to size system	SL	10	0%	06/01/07*	06/14/07	-1	642	8	643
	Site visit to locate Makeup and discharge structures and pipe routing	SL	2	0%	06/15/07*	06/18/07	-1	643	4, 642	644



Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

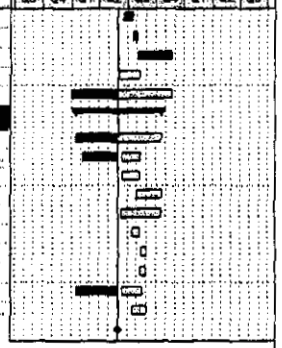
TASK filter: All Activities

© Primavera Systems, Inc.

[1] CONFIDENTIAL

NuStart COLA - PEF R-06 DD 05/31/07 | KW-Monthly Update Layout | 06/13/07 09:07

WBS	Task Name	RESP	Dur	%	Start	Finish	TF	Activity ID	Predecessors	Successors
	Develop Options for Raw Water, CSW makeup, and Blowdown Discharge	SL	22	0%	06/19/07	07/18/07	-1	644	643	645
	Select Options for conceptual design of Raw Water, CSW Makeup and discharge	SL	10	0%	07/19/07	08/01/07	-1	645	644	646
	Conceptual Design of Raw Water, CSW makeup, and Blowdown Discharge	SL	80	0%	08/02/07	11/21/07	-1	646	645	546
12.10	Conceptual Design of Site Grading and Storm Drainage (Storm water pond, access r...	SL	48	0%	08/04/07*	08/08/07	117	647		185, 187
12	Phase 1 Makeup Water & Blowdown Eval/Study/Report	SL	124	0%	01/01/07 A	11/21/07	42	861		7
	CWO #13									
13	CWO #13	CH2	400	74.5%	01/15/07 A	10/19/07	222	648		
	UES Field Work	CH2	100	68%	02/05/07 A	08/13/07	33	649	97	71, 95, 179, 180, 181, 182, 183, 184, 186...
	S & MS Lab Report	CH2	42	0%	08/14/07*	09/10/07	272	650	649	
	Geophysical Report (Technos, Geovision)	CH2	60	0%	07/30/07	10/19/07*	222	651	649	
	Misc Reports (Survey, Dynamic Soils)	CH2	95	0%	06/11/07	10/19/07*	222	652	649	
	Phase 2 Fieldwork	CH2	20	0%	07/16/07	08/10/07	19	653	95	654, 657
	Phase 2 Lab Report	CH2	15	0%	08/13/07*	08/31/07	120	654	653	169, 655
	Phase 2 Geophysical Report	CH2	15	0%	08/13/07	08/31/07*	120	655	654	189
	COLA Field Investigation / Laboratory Analysis	CH2	106	61%	01/15/07 A	08/17/07*	120	656	97	179, 189, 196
	Phase 2 Field Investigation/Lab Analysis	CH2	35	0%	07/16/07	08/31/07	19	657	653	179, 180, 181, 182, 183, 184, 185, 186, 1...
	Decision on Phase 2 Borings		0	0%	05/31/07*		-12	660		



Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

TASK filter: All Activities

© Primavera Systems, Inc.

Issues Requiring Management Attention

CONFIDENTIAL

The issues requiring management attention during the last quarter were:

- In the September 2007 project monthly status report it was noted that the JVT project team has not been able to resolve assignment of additional resources to expedite the schedule to meet the July 2008 COLA submittal schedule for FSAR Chapters 2 and 11, and ER Chapter 5.
- This issue now has been resolved. The foundation dsign and the associated FSAR 2.5.4 subsections will now be prepared by Paul Rizzo Associates (PCR). The project schedule R12 supports the July 2008 COLA submittal date.

Health and Safety Issues

The health and safety issues during the last quarter were:

- CSA (Sea Grass Survey contractor) reported incidence (09/13/07) of injury to a diver while she was climbing back on to the boat. No equipment defect was found. Incidence Report 2126-091307-01 "Sea Grass Diver Injury" was submitted to Progress Energy.

Teamwork and Accountability Issues

Teamwork and accountability issues during the past quarter were as follows. There were no open issues as of Decemebr 13, 2007.

- LNP Field Work Plan has not been submitted with MRB review (Mike Keating)
- RF249 LNP Geotech data for Blowdown Pipeline is late (James Nevill -19-Sep-07)
- RF246 LNP Levy Barge Canal Elevation Data is late (Michael Keating -20-Sep-07)
- RF155- LNP Grid Stability Study is late (Norm Ruhl - 30-Sep-07)
- RF255 LNP Barge Canal Water Quality data is late (Mike Keating 08-Oct-07)
- RF256 LNP Fresh Water Quality is late (Michael Keating 8-Oct-07)
- Project schedule does not support the August 2008 COLA submittal due to delays in completion of FSAR Chapter 2 (CH2M)

Project Budget and Invoicing Information

The invoicing as well as the payments for the invoices continues to be satisfactory. The summary of the project budget and invoicing are as follows:

- Current WA approved budget:
- Impact Evaluation approved budget: Redacted
- Total approved budget:
- Amount invoiced: Redacted
- Remaining approved budget:
- Amount received: Redacted
- Amount receivable:

The above information for Tasks #1 through #14 is tabulated in Attachment A.

Scope Revisions

Since issuance of WA Amendment 2, Impact Evaluations #34, #35, #40, #43, #45, #50, #51, #52, and #55 through #59, #61, #62, #64, #66, #67, #68. #71, #84 through #87, #90, #100, and #101 have been approved with a total budget of Redacted Impact Evaluations #63 (Excess Storm Water), #88 (Marion County GIS), and #102 (FSAR 2.5.4 New Scope) are pending approval with a total budget of $ Redacted

In addition to the scope changes listed in Attachment B, the following potential scope changes have been discussed:

- Expediting the COLA submittal to July 2008
- Soil Resistivity Measurements for Grounding conceptual design
- FIRS consistent Time History for Westinghouse SSI analysis
- Formal S/R calculations for 100 year return maximum 2 hour sustained dry bulb and coincident wet bulb temperature and 100 year 2-hour sustained wet bulb temperature
- Additional Barge Canal water quality data

Monthly Performance Summary

Month Ending November 2007

Task #	Description	DOR	Client Budget MH	$	% Complete	% Scheduled	BCWS $	BCWP $	ACWP $	SPI $	CPI $
1	Prepare/Submit COLA, DCD Departure Report, a	SL									
	Target Price				0%	0%					
2	Site Investigation and Seismic and Geotechnical /	CH									
	Target Price				77%	90%				0.85	1.05
3	FSAR Chapter 2 - Site Characteristics	CH									
	Target Price				58%	68%				0.83	0.97
4	ER, Site Redress Plan, and EP	CH									
	Target Price				52%	62%				0.83	1.30
5	FSAR Technology Chapters 4, 5, 6, 7 and 12	WP									
	Target Price				1%	0%					
6	FSAR Chapters 13, 14 and 16	WP									
	Target Price				0%	0%					
7	FSAR Chapters 1, 3, 8, 17, 18 and 19	SL	Redacted				Redacted				
	Target Price				3%	5%					
8	FSAR Chapters 9,10,11 and 15	WP									
	Target Price				9%	12%				0.73	1.25
9	Programs, Procedures and Plan Separate from F!	SL									
	Target Price				1%	5%					
10	Conceptual Design separate from FSAR	SL									
	Target Price				8%	10%					
11	Project Management Activities	SL									
	Target Price				48%	48%				1.00	1.14
12	Site Unique Scope not in RFP	SL									
	Target Price				48%	52%				0.92	1.08
13	COLA Fieldwork	CH									
	Target Price				87%	95%				0.96	1.07
	Total Target Price				59.1%	66.3%				0.91	1.09
	Total Direct Expenses Including Travel				88.8%	88.8%					

Key:

- % Complete: This reflects the current stage of the task and thus helps gage the significance of the performance data.
- BCWS: Budgeted Cost of Work Scheduled: This reflects the value of the work that was to be complete by this point in time per the work plan.
- BCWP: Budgeted Cost of Work Performed: This reflects the value of the work that has been completed (Earned Value)
- ACWP: Actual Cost of Work Performed: This reflects the actual expenditure to date
- SV: Schedule Variance (SV = BCWP - BCWS): This measures the deviation from the project schedule (negative no. indicates behind schedule)
- CV: Cost Variance (CV = BCWP - ACWP): This measures the deviation from the project budget (negative no. indicates budget overrun)
- SPI: Schedule Performance Index (SPI = BCWP/BCWS): This reflects performance relative to project schedule. (> 1.0 indicates ahead of schedule)
- CPI: Cost Performance Index (CPI = BCWP/ACWP): This reflects performance relative to project budget. (>1.0 indicates under budget)

Fig P00

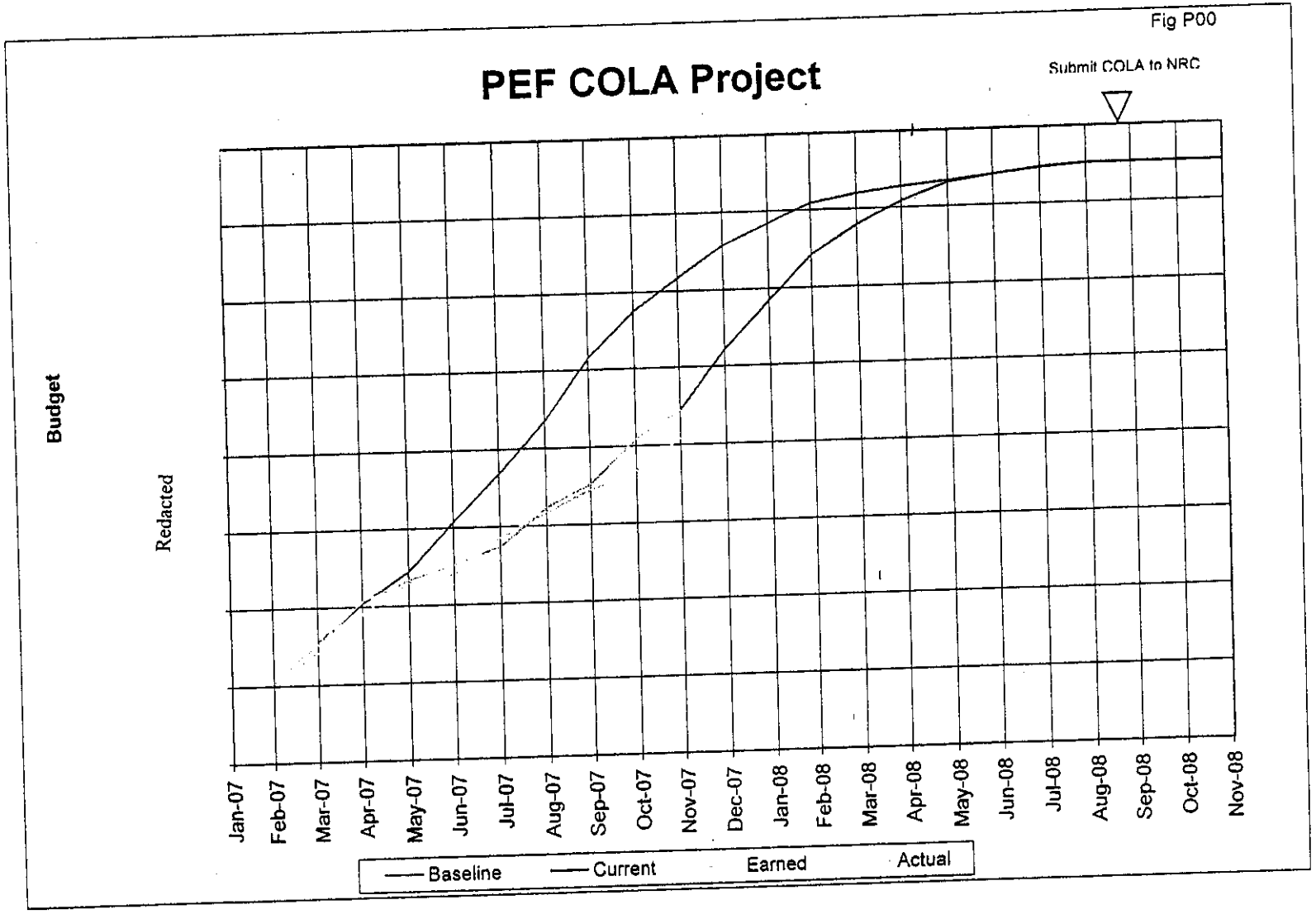

PEF COLA Project
Submit COLA to NRC
Budget
Redacted
Jan-07
Feb-07
Mar-07
Apr-07
May-07
Jun-07
Jul-07
Aug-07
Sep-07
Oct-07
Nov-07
Dec-07
Jan-08
Feb-08
Mar-08
Apr-08
May-08
Jun-08
Jul-08
Aug-08
Sep-08
Oct-08
Nov-08
Baseline
Current
Earned
Actual

Fig P01

PEF COLA

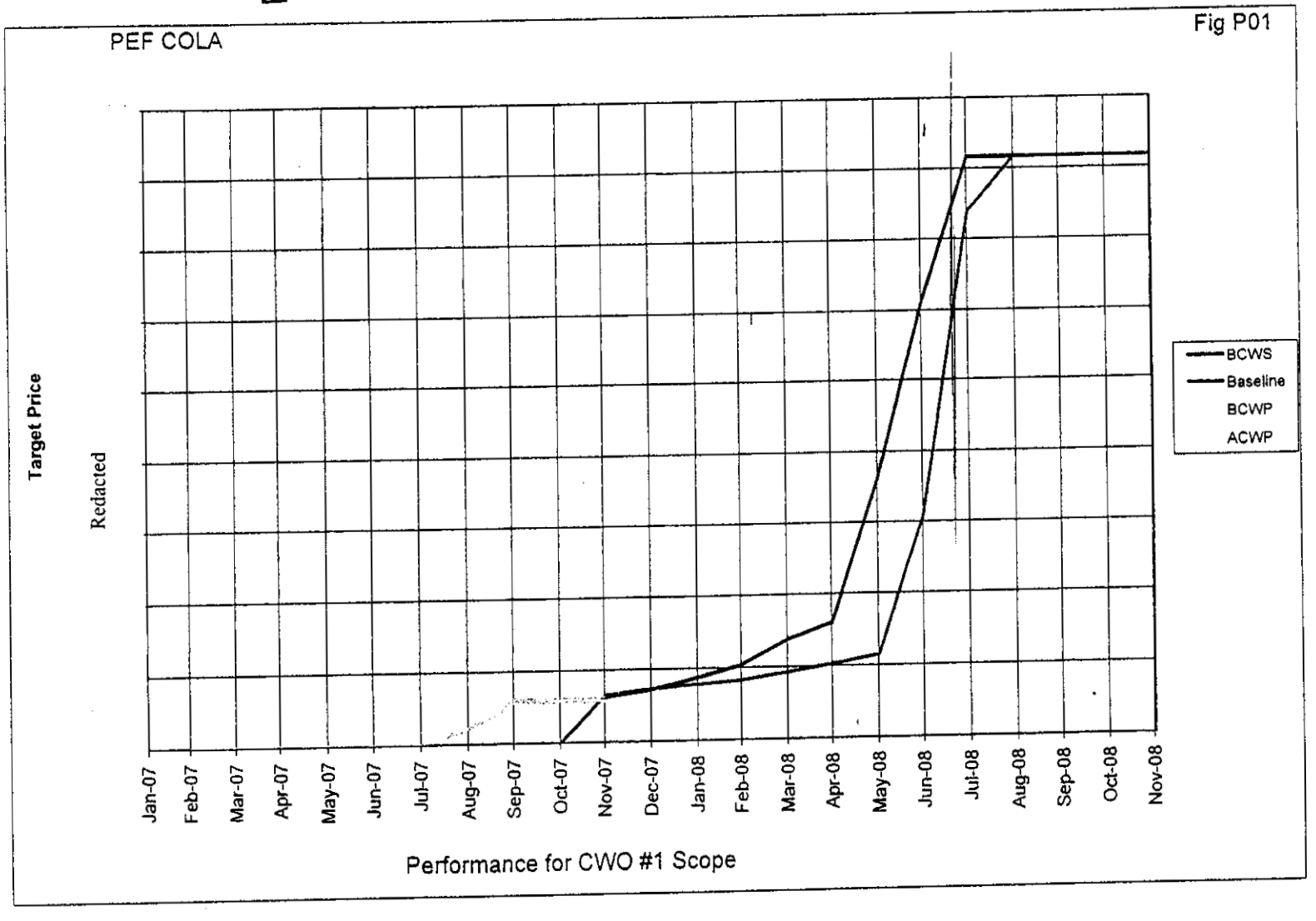


Fig P02

PEF COLA

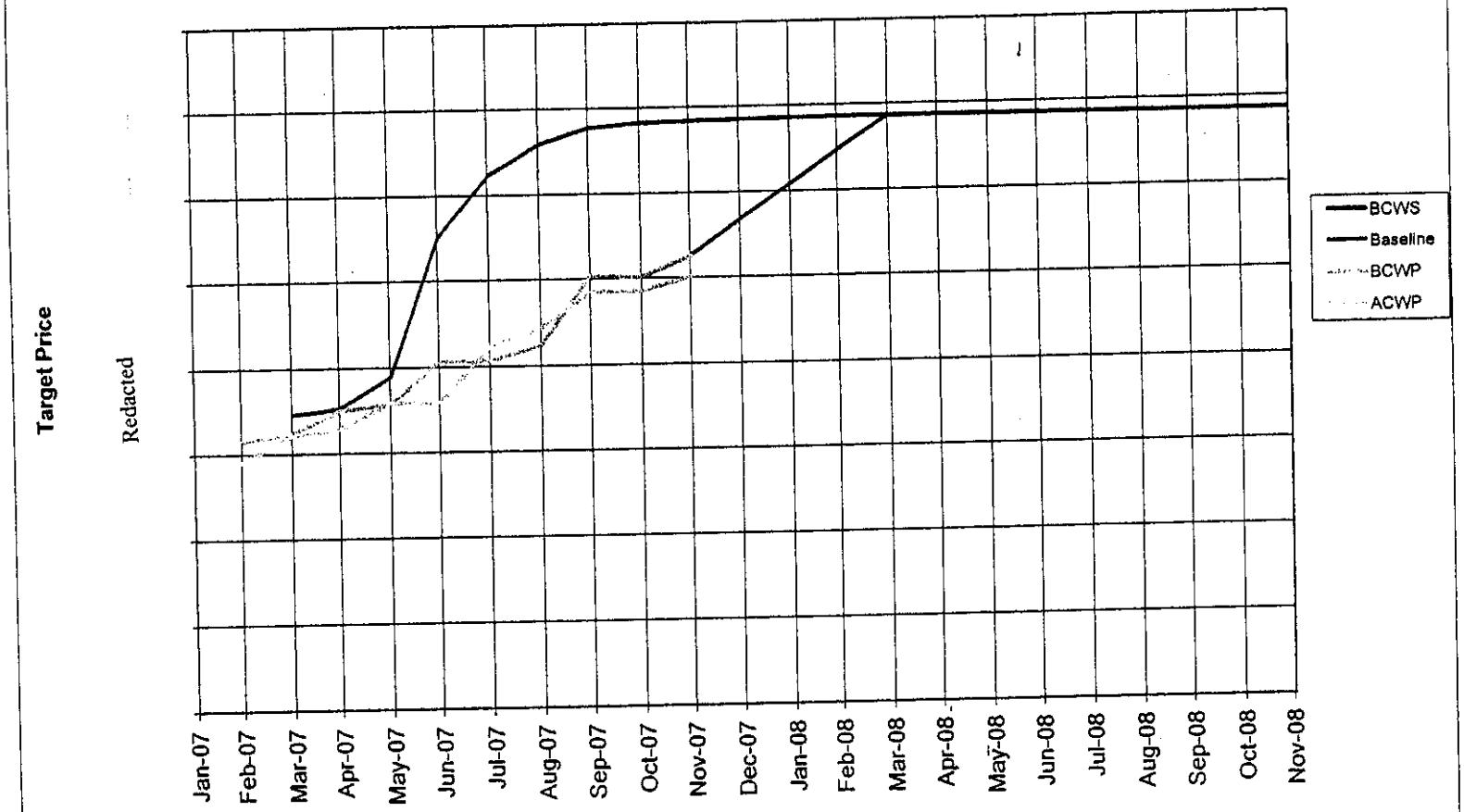


Fig P03

F COLA

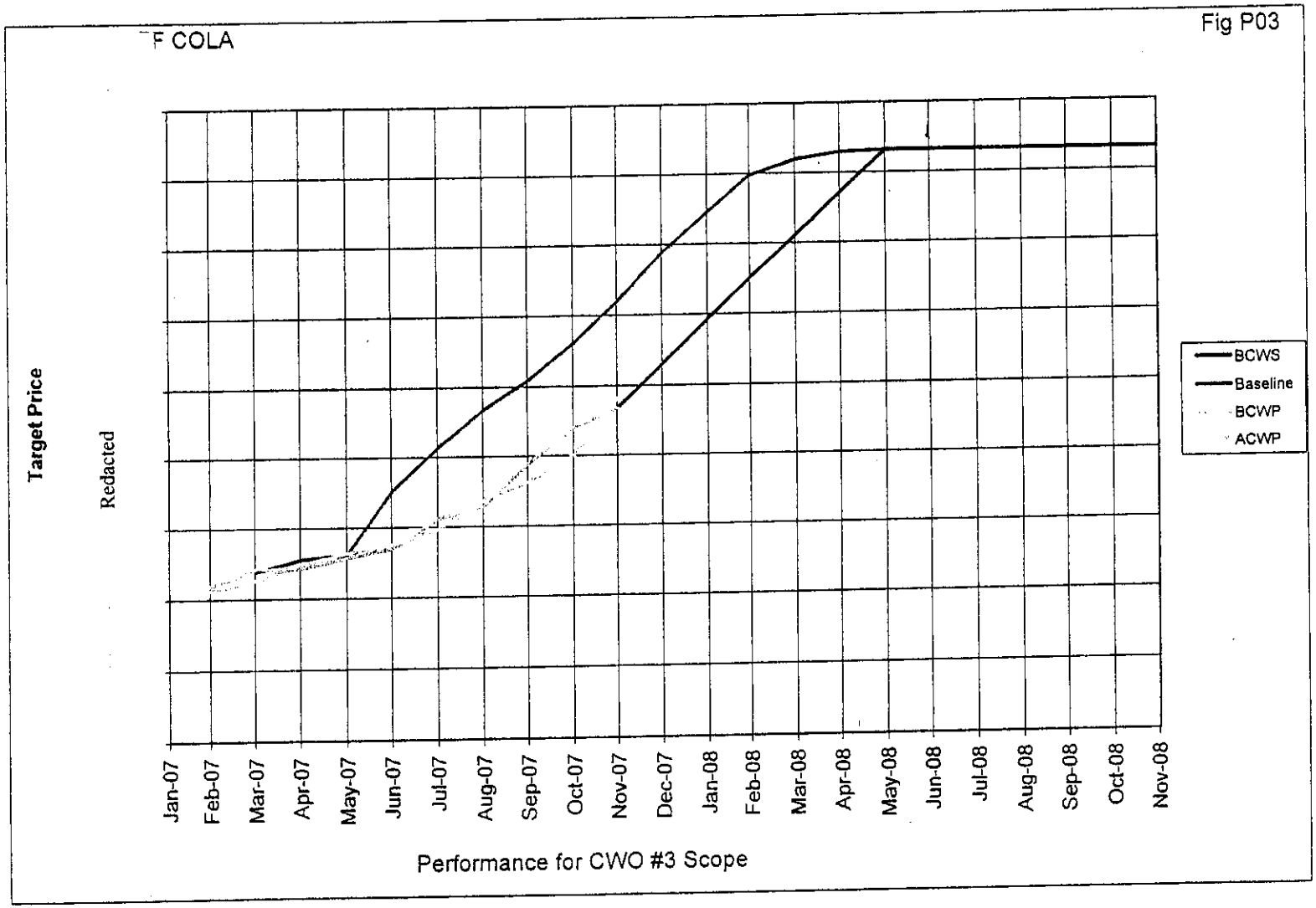


Fig P04

PEF COLA

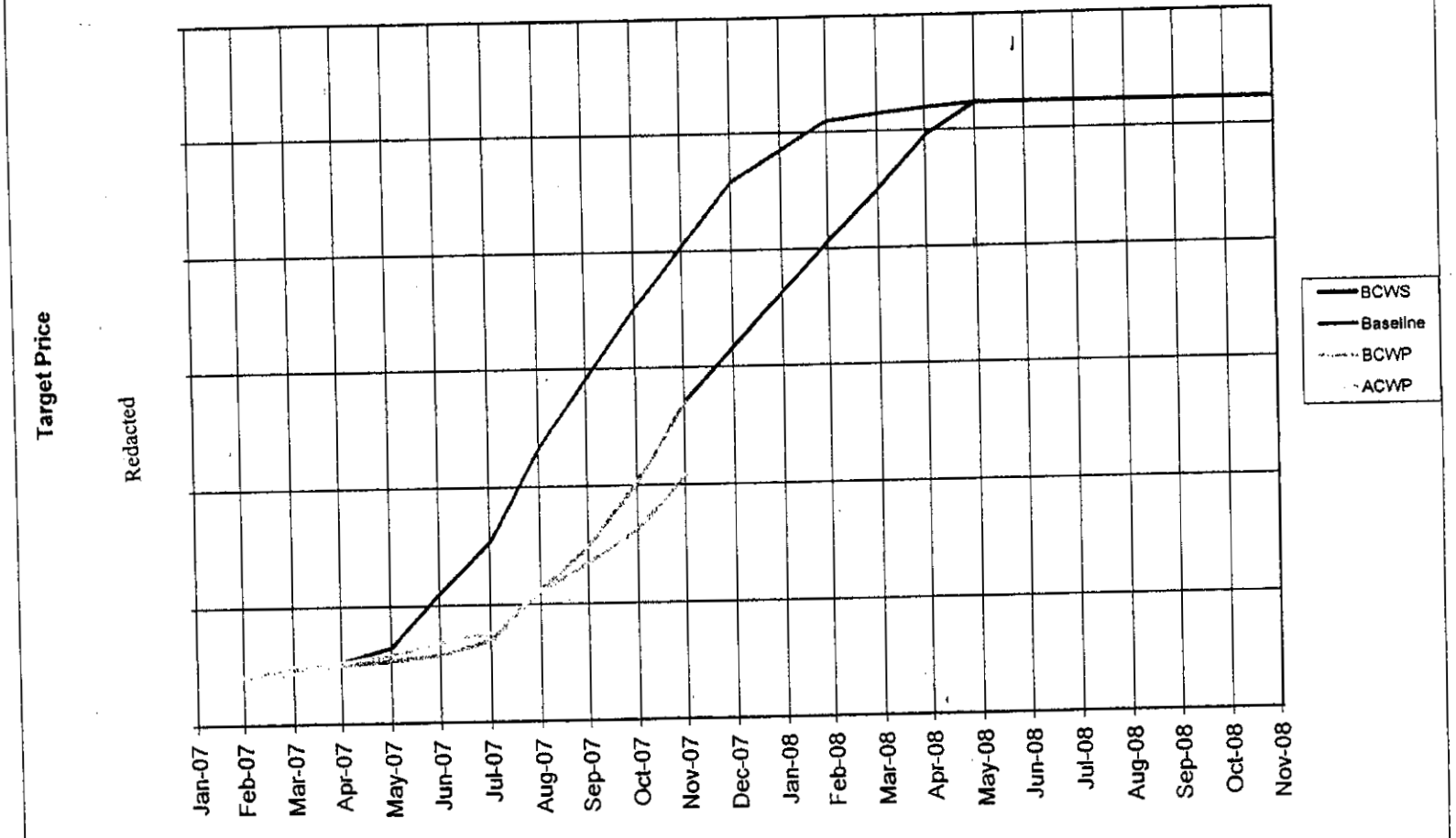


Fig P11

PEF COLA

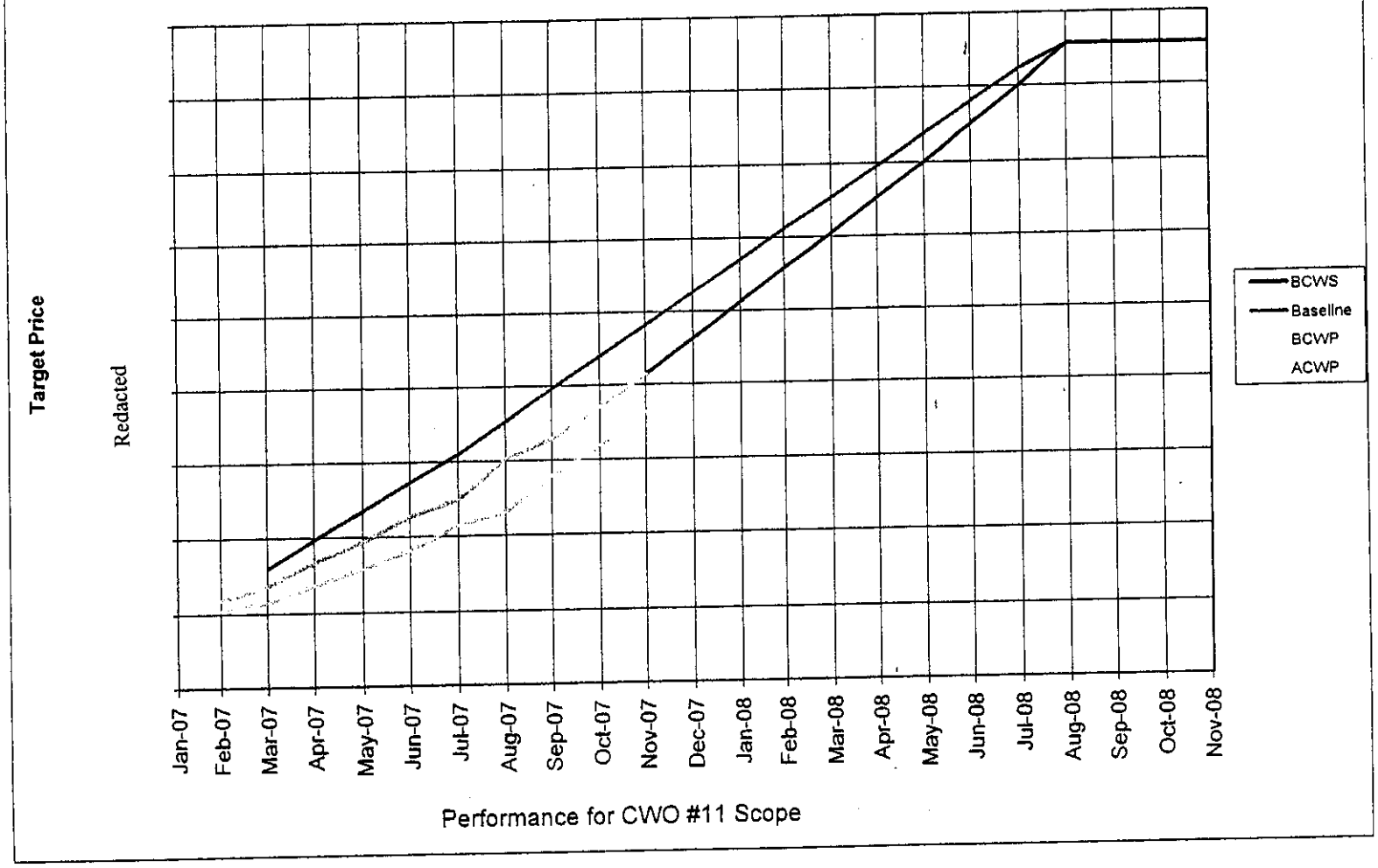


Fig P12

PEF COLA

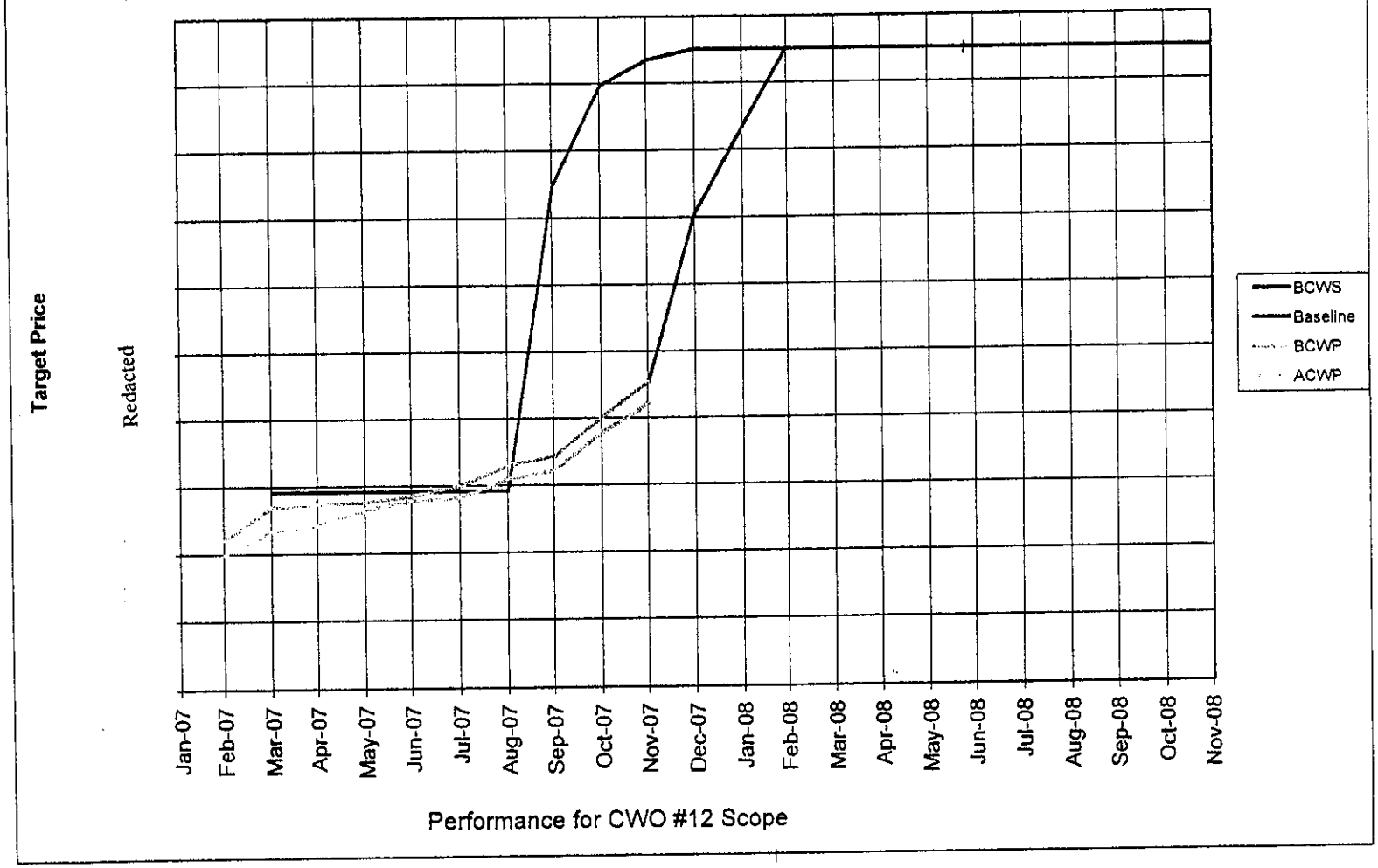
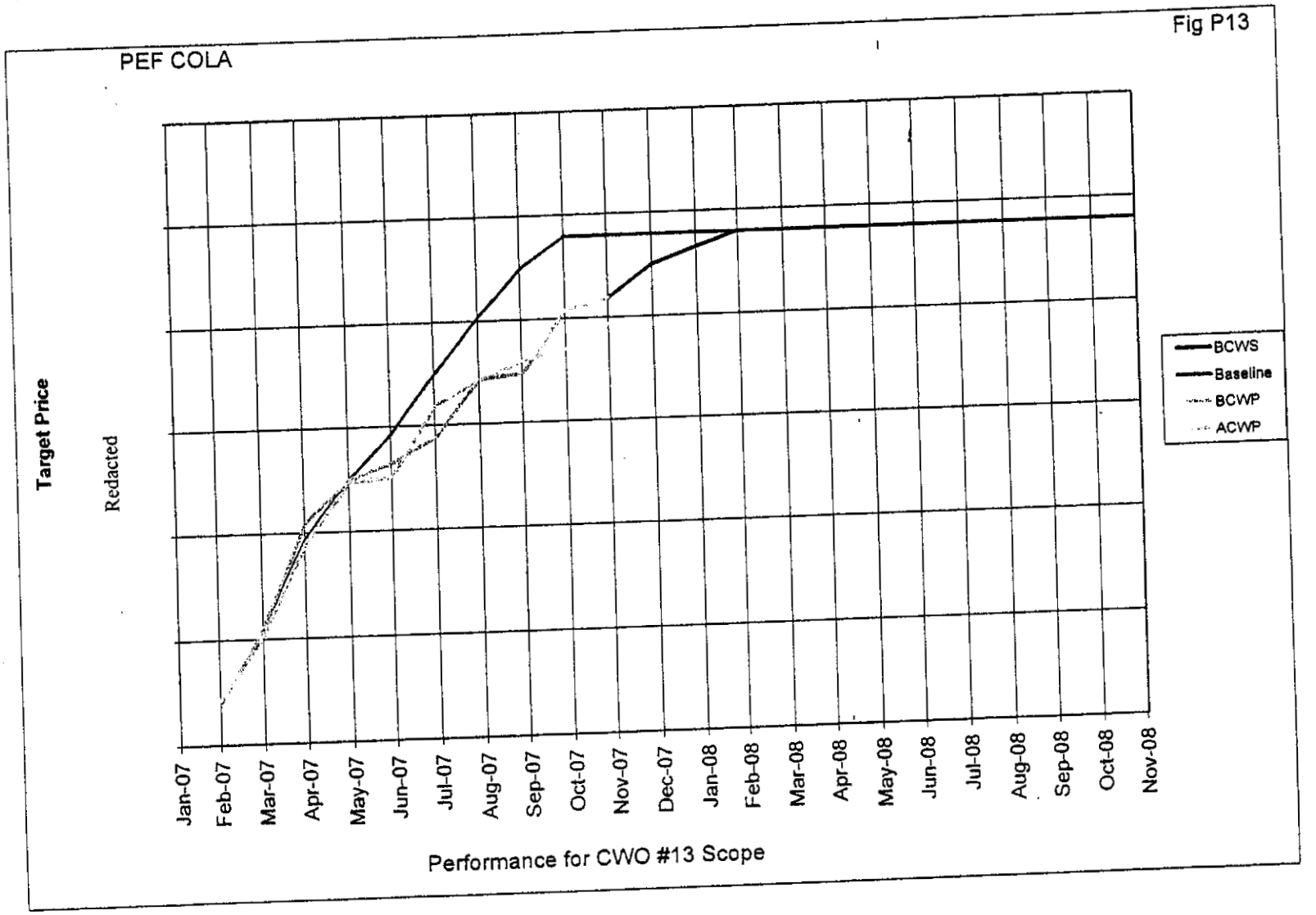
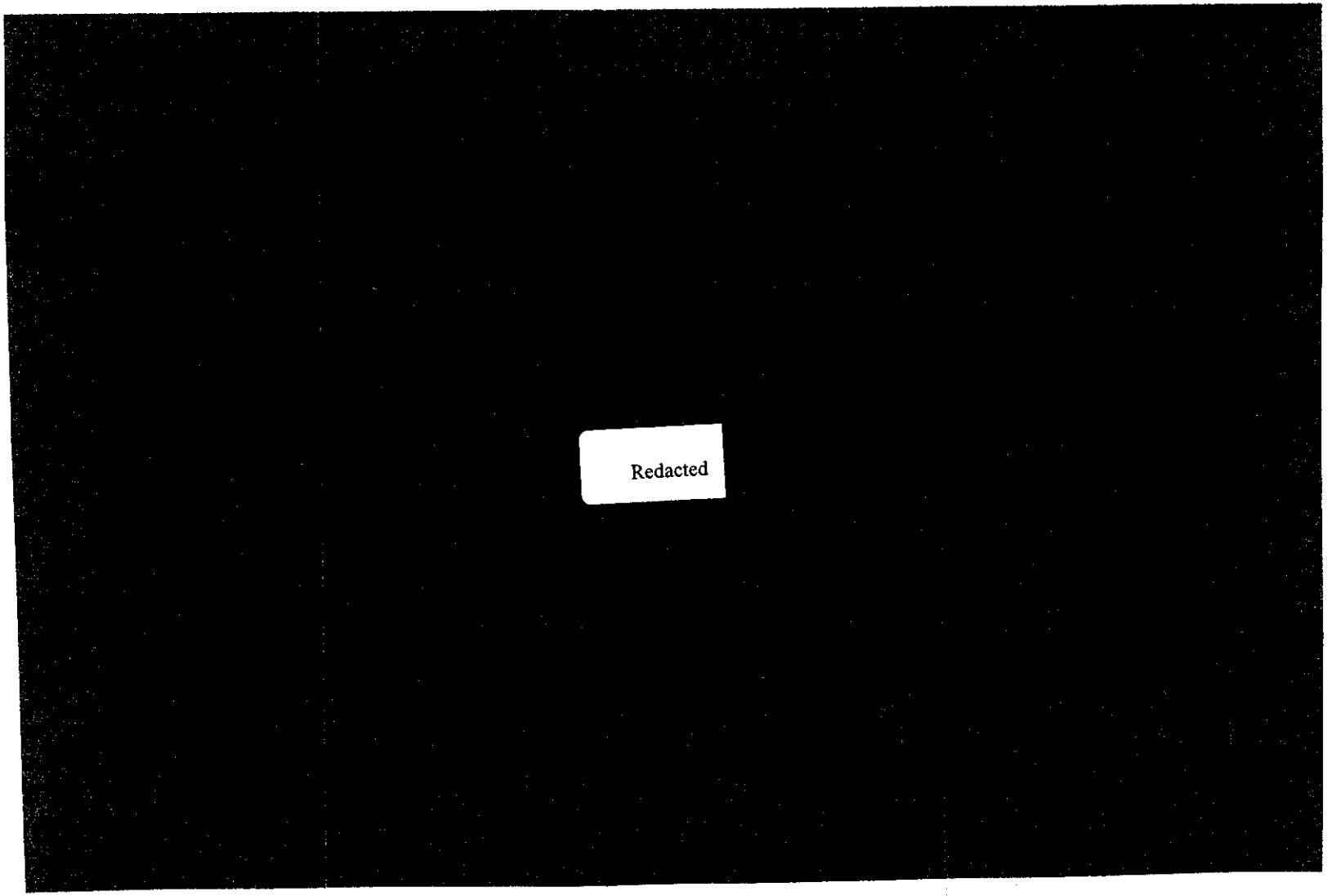


Fig P13


PEF COLA
Target Price
Redacted
BCWS
Baseline
BCWP
ACWP
Jan-07
Feb-07
Mar-07
Apr-07
May-07
Jun-07
Jul-07
Aug-07
Sep-07
Oct-07
Nov-07
Dec-07
Jan-08
Feb-08
Mar-08
Apr-08
May-08
Jun-08
Jul-08
Aug-08
Sep-08
Oct-08
Nov-08
Performance for CWO #13 Scope


Redacted

Risk Matrix

Progress Energy is maintaining a Risk Matrix for PEF COLA. The JV provides inputs to this Risk Matrix. The risks associated with the LNP site are (new risk is in Blue, deleted risks are in red, new text is in Blue):

- Suitability of the founding substrata for the AP1000 structures
  - The soil/rock substrata properties not being bounded by the DCD values. Conceptual foundation design has been developed for the LNP site that mitigates the risk.
  - The COLA fieldwork suggests variable site conditions especially "softer rock" and lower shear wave velocity beyond 175' - 200' at two reactor locations. Deep borings and shear wave velocity measurements have been initiated. If these deeper borings necessitate additional investigations, the COLA submittal may be delayed. LNP Deep hole geophysical measurements show that the deep strata shear wave velocity is consistent with those measured for the shallower strata.
  - Karst investigation is in progress. If the karst investigation shows unfavorable conditions at the existing plant layout, the COLA submittal may be delayed.
- Safe distance from the site Boundary (EAB distance)
  - Initial analysis of the first six months of meteorological data from the Levy site has significantly more calms than similar data from Tampa Airport and Crystal River Meteorological Tower. This would result in EAB distance that will be beyond the Progress Energy owned property requiring additional provisions in the Emergency Plan and possible contentions. Alternative methodology has been developed that would resolve this issue.
- Engineering feasibility and environmental impacts of makeup water and blowdown discharge options
  - 316 thermal and biological issues with the Barge Canal intake and Gulf discharge. Initial meeting with FDEP did not identify any show stoppers. Aquatic sampling in the Barge Canal is in progress.
- The Maximum two hour dry bulb temperature and the coincident dry bulb temperature for the site were computed based on the maximums observed for 30 years of recorded data. In the Vogtle ESP SER, the NRC has stated that these temperatures should be based on a 100 year return period. The coincident wet bulb temperature calculated for 100 year return period maximum wet bulb temperature is greater than 80.1 DCD value. Draft Westinghouse white paper concludes that higher coincident wet bulb temperature is acceptable for the safety analysis. Licensing risks are not addressed that will require regulatory exemption and DCD departure.
- Schedule delays associate with completing FSAR 2.5 and associated engineering data files, calculations, and foundation conceptual design. New schedule has been developed for FSAR 2.5 and associated engineering data files, calculations, and conceptual design that supports the July 2008 COLA submittal.
- Schedule delays for FSAR Chapter 11 and ER Chapter 5 and associated Field data, design inputs, and Calculations. New schedule for FSAR Chapter 11 and ER Chapter 5 has been developed that supports the July 2008 COLA submittal.

PEF Key Project Decisions & Basis

[redacted] CONFIDENTIAL

- Location and orientation of Units 1 & 2 – Phase 1 and COLA borings
- Linear Forced Draft Cooling Towers – economic analysis of alternates
- Location and orientation of cooling tower – wind analysis and alternative layouts
- Salt water for Cooling Water – memorandum
- Make-up Water Intake at the Barge Canal – memorandum (in review)
- Blowdown discharge to the gulf via the north bank of the barge canal - memorandum (in review)
- Approach to address new SRP 2.4 requirements on Tsunami – Memorandum
- ~~Double walled pipe with leak detection for Blowdown piping – verbal~~
- Use of ground water for potable, demin, and Service Water Cooling Tower water – verbal
- Use 6-months of site recorded Met data augmented with 12 months of Tampa Airport data for initial draft of FSAR Section 2.3, FSAR Chater11, and ER Chapter 5 and then update with 12 months of site data from the site prior to COLA submittal - memorandum
- ~~Conceptual foundation design, excavation, dewatering, and backfill – SSW scope – April 2007 meeting notes~~
- Switchyard – Combined Unit 1&2 500 Kv switchyard
- Transmission Lines – ~~2 500 Kv~~ 4-500 Kv lines to the South ~~and 1-500 Kv line to the east~~
- Line voltage from Switchyard to RAT is ~~500 Kv~~ 230 Kv
- Railroad to Dunnellon due east just North of the south property
- ~~Conceptual foundation design – compacted fill for Nuclear Island , piles for all other buidings including the Turbine Building – e-mail from Southern~~
- ~~Soil compaction test prior to COLA – e-mail from Southern~~
- Conceptual foundation design Option 1 will be used – RCC fill for Nuclear Island , piles for all other buidings including the Turbine Building – Telecon
- RCC test pad will be post COLA – not required for COLA
- Independent Assessment of CH2M S/R fieldwork will be performed to ensure compliance with NQA -1
- Plant Grade Floor Elevation is 51'-0" (AP1000 DCD Elevaltion 100'-0"). Plant Grade Elevation is 50'-0" – Client acceptance of drawing LNG-0000-XG-001: Grading and Drainage Plan

Project Schedule

The project schedule R12 supports the July 31, 2008 COLA submittal. The expected *COLA submittal date in project* schedule R11 was October 24, 2008. The target COLA submittal date for the baseline schedule was August 22, 2008.

The improvement in the COLA submittal schedule is the result of significant re-planning and implementation of an alternate approach to complete FSAR 2.5. In the alternate approach, the scope of work for FSAR 2.5.4 and the associated foundation conceptual design has been divided among CH2M, Paul Rizzo Associate (PCR), and S&L. This division of responsibility (DOR) for FSAR 2.5.4 was agreed at the November 30, 2007 project meeting attended by Progress Energy, CH2M, PCR, and S&L. PCR will be a subcontractor to S&L for this scope of work.

DOR for Section 2.5.4

DOR for FSAR 2.5 was submitted for approval via Impact Evaluation #102 is as follows:

QA Program and DOR for FSAR 2.5.4 and Supporting Documents	QA Program/ DOR
FSAR 2.5.4 Stability of Subsurface Materials	
Prepare 2.5.4 Shell with Preliminary Information	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.1 Geologic Features	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.2 Properties of Subsurface Materials	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.3 Foundation Interface/ Conceptual Design	PCR
Prepare/Review/ Tech Edit 2.5.4.4 Geophysical Surveys	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.5 Excavation And Backfill	PCR
Prepare/Review/Validation/Tech Edit 2.5.4.6.1 Groundwater Conditions	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.6.2 Construction Dewatering	PCR
Prepare/Review/Validation/Tech Edit 2.5.4.7 Response of Soil/Rock to Dynamic Loading	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.8 Liquefaction Potential	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.9 Earthquake Site Characteristics	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.10 Static Stability	PCR
Prepare/Review/Validation/Tech Edit 2.5.4.11 Design Criteria	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.12 Techniques to Improve Subsurface Conditions design Criteria	PCR
FSAR 2.5.4 Tables 1 through 13 (or equivalent for LNP FSAR). Note Table DOR should be consistent with the subsection DOR shown above.	CH2M

FSAR 2.5.4 Tables 14 and higher (or equivalent for LNP FSAR). Table DOR should be consistent with the subsection DOR shown above.	PCR
Compile Text, Figures, Tables, & Validation for 2.5.4	S&L
Submit FSAR 2.5.4 Rev C for OAR	S&L
OAR FSAR 2.5.4	PE
Submit Final FSAR 2.5.4 to S&L (CH2M DOR)	CH2M
Submit Final FSAR 2.5.4 to S&L (PCR DOR)	PCR
Compile Final and Submit FSAR 2.5.4 Rev D	S&L
Westinghouse Inputs and Outputs (SSI)	
Define Inputs (SSI) needed by WEC SSI	PCR
Issue Preliminary geotechnical (SSI) information for review	CH2M
Issue draft design (for SSI) of foundation elements (DW, Drilled Piers, Grouting etc) to WEC	PCR
Geomatrix Issue draft SSI information (NI FIRS, Soil Column, TH) to WEC	CH2M
Issue final in-situ geotechnical (SSI) information to WEC	CH2M
Confirm final design (for SSI) of foundation elements (DW, Drilled Piers, Grouting etc) provided to WEC	PCR
Geomatrix Confirm SSI information (NI FIRS, Soil Column, TH) to WEC	CH2M
Westinghouse issues SSI analysis report including comparison of structural forces and floor response spectra to DCD values via progress Energy	PE (WEC)
Westinghouse concurs with wording for COL Item 2.5-3 closure in FSAR	PE (WEC)
PCR Inputs and Outputs (Conceptual Design and FSAR 2.5.4 DOR)	
Define Geotechnical Inputs needed by PCR for Conceptual Design	PCR
Define all other inputs needed by PCR for FSAR 2.5.4 (PCR DOR)	PCR
Define all inputs needed by CH2M from PCR for FSAR 2.5.4 (CH2M DOR)	CH2M
Issue draft Geotechnical Inputs needed by PCR for Conceptual Design	CH2M
Issue final Geotechnical Inputs needed by PCR for Conceptual Design and for FSAR 2.5.4 (PCR DOR)	CH2M
Issue draft design (for SSI) of foundation elements (DW, Drilled Piers, Grouting etc) to S&L	PCR
Issue final design inputs needed by CH2M from PCR for FSAR 2.5.4 (CH2M DOR)	PCR
EDFs for 2.5.4 (List to be modified for LNP specific requirements) DOR to follow FSAR 2.5 subsection DOR	
Geovision Reports for Main Phase Borings	CH2M
Geovision Reports for Deep Borings	CH2M
Geovision Field & Equipment Records	CH2M
Geovison Software Validation	CH2M
Redpath Geophysics Review Report of Downhole Reports	CH2M
Technos Geophysical Logging Data Reports	CH2M

Technos Field & Equipment Records	CH2M
Technos Software Validation	CH2M
Field Boring Logs & Field QCd boring logs	CH2M
Supplemental Field Documentation (Log Books, Daily Logs, checklists, calibration forms etc)	CH2M
Final Boring Logs	CH2M
Rock Core Photographs	CH2M
Drill Rig Hammer Energy Verification Test Results	CH2M
Geotechnical Lab Test Data from S&ME lab	CH2M
S&ME Software Validation	CH2M
Geomatrix Field Documentation	CH2M
Geomatrix Software Validation	CH2M
In-Situ Soil Testing L.C. Rock PMT data & report	CH2M
In-Situ Soil Testing L.C. software validation	CH2M
Calculations for 2.5.4 (List to be modified for LNP specific requirements) DOR to follow FSAR 2.5 subsection DOR	
Calculation package for SPT data for all borings & prepare SPT blowcount summary for soil layers	CH2M
Calculation package for Soil Strength Property Statistics based on SPT tests	CH2M
Calculation package for Soil Index Property Statistics from lab tests	CH2M
Calculation package for Rock Fracture Summaries	CH2M
Calculation package for Solution cavities encountered in each boring at site	CH2M
Calculation package for Rock Recovery & RQD data for all borings & prepare statistical distribution for rock layers	CH2M
Calculation package for Rock Unconfined Compressive Strength (UCS) statistics for rock layers	CH2M
Calculation package for Rock Modulus values (from Lab Tests, PMT, and Shear Wave Data)	CH2M
Calculation package for Geologic Strength Index (GSI) and Rock Mass Ratings (RMR) and Summary Statistics	CH2M
Calculation package for Rock Dynamic Property Statistics – from borehole seismic geophysical measurements	CH2M
Calculation package for Summary of boreholes & elevation of finalized top of competent rock contour maps	CH2M
Calculation package for Final Design Sub-soil Profiles for Engineering Analysis	CH2M
Calculation package for Final Engineering Properties of Sub-surface Layers for use in Engineering Analysis	CH2M
Calculation Package for Excavation and Grouting Calc. model– Nuclear Island Excavation	PCR
Calculation Package for Bearing Capacity under Nuclear Island Sub-grades	PCR
Calculation Package for Subsurface Improvement works below NI	PCR
Calculation Package for Conceptual Designs of Drilled Shafts for Turbine Building and other at Grade Structures	PCR
Calculation Package for Sub-grade modulus under Nuclear Island	PCR

Calculation Package for Total & Differential Settlement – Nuclear Island	PCR
Calculation Package for Elastic Settlement based on Shear Wave Velocity – Nuclear Island	PCR
Calculation Package for Elastic Settlement based on PMT data – Nuclear Island	PCR
Calculation Package for Lateral Earth Pressure Calculations – soil, rock & backfill	PCR
Calculation Package for Liquefaction Analysis for soils	CH2M

CONFIDENTIAL

Near Term Milestones

- ER Chapter 1 Rev D was submitted on 12/06/07
- EP Rev D Page Turn submittal (delayed; was 12/07/07)
- Remaining field geophysical measurements were completed (12/10/07) (Technos and GeoVision)
- CH2M Issued draft Geotechnical Inputs needed by PCR for Conceptual Design (12/10/07)
- Waste Water Retention design was submitted for OAR (12/12/07)
- Potable Water Storage Specifications Final (12/14/07)
- Site Drainage and Grading plan final (12/14/07)
- Paul Rizzo to meet Carl Constantino for Conceptual design discussions on 12/17/07
- Aquatic 1st Sampling Analysis (12/31/07)
- Karst Investigation Report (12/31/07)
- Survey Reports due on 01/04/08
- Blowdown System design for OAR (01/09/08)
- FSAR Chapter 12 for OAR 01/09/08
- Bob Kitchen is in contact with the NRC to arrange a meeting on foundation design on 01/10/08
- SM&E Lab Reports due on 01/14/08
- GeoVision report due on 01/14/08
- ER Chapter 8 Rev C submittal (01/16/08)
- Make-up water System design for OAR (1/16/08)
- FSAR Chapter 17 for OAR 01/17/08Detailed conceptual grading and drainage drawings for OAR 1/18/08
- CH2M to issue final Geotechnical Inputs needed by PCR for Conceptual Design and for FSAR 2.5.4 (PCR DOR) 01/18/08
- PCR to issue draft design (for SSI) of foundation elements (DW, Drilled Piers, Grouting etc) 01/18/08
- Geomatrix to provide preliminary FIRS/Soil Column on 1/18/08
- CH2M to provide final soil/rock data to WEC on 1/18/08
- Geomatrix to provide preliminary FIRS Time History on 1/25/08
- 100 year return maximum 2 hour sustained dry bulb and coincident wet bulb temperature S/R calculation (1/31/08)

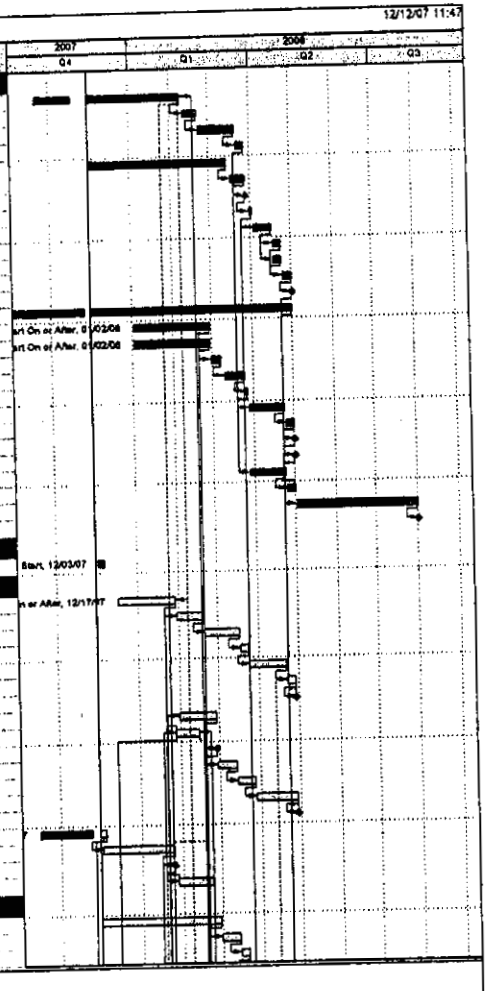
CONFIDENTIAL

12/12/07 11:47

Attachment F - Critical Path Report

LNP COLA - PEF R-12

Activity ID	Task Name	RespID	Activity % Complete	Orig Dur	Start	Finish	BL Start	BL Finish	TF	Predecessors	Successors
Total Float: -2											
157	Prepare Draft FSAR Section 2.4	CH2	26%	13	10/23/07 A	02/08/08	12/24/07	01/14/08	-2	156, 184, 138, 139, 145, 194, 560	158, 220, 253, 284
158	Senior Review	CH2	0%	5	02/11/08	02/21/08	01/15/08	01/28/08	-2	157	159
159	Incorp. Senior Review Comments	CH2	0%	20	02/22/08	03/20/08	01/29/08	02/11/08	-2	158	160
160	Tech Edit / Submit OAR FSAR Section 2.4 (Rev C)	CH2	0%	5	03/21/08	03/27/08	02/12/08	02/25/08	-2	152, 159	705
189	Preparation of Sections 2.5.4	CH2	0%	40	05/31/07 A	03/14/08	12/18/07	01/25/08	-2	596, 222	190
190	Tech Edit / Finalize Section 2.5.4	CH2	0%	10	03/17/08	03/28/08	11/21/07	12/18/07	-2	189	191
191	CH2 Inputs to S&L	CH2	0%	0		03/28/08		10/17/07	-2	190	192
192	S&L Complete FSAR 2.5.4	SL	0%	3	05/31/08	04/02/08	05/31/07	06/13/07	-2	191	193
193	PE / OAR Review FSAR 2.5.4	PE-E...	0%	10	04/03/08	04/16/08	06/14/07	06/27/07	-2	172, 179, 188, 192	194, 194.5
194	Incorporate PE Comments - CH2M	CH2	0%	5	04/17/08	04/23/08			-2	193	195
194.5	Incorporate PE Comments - PCR	PCR	0%	5	04/17/08	04/23/08			-2	193	196
195	S&L Compile FSAR 2.5.4	SL	0%	6	04/24/08	05/01/08	01/28/08	02/11/08	-2	194, 194.5	196
196	S&L Submit FSAR 2.5.4 (Rev. D)	SL	0%	0		05/01/08		02/12/08	-2	195	76
199	CWO #4 ER, Site Redress Plan and EP excluding subcontractor scope	CH2	76%	448	08/14/06 A	08/01/08	08/14/06	08/29/08	-2		78
269	Severe Accident	CH2	0%	42	01/02/08*	02/28/08	05/31/07	08/24/07	-2		293
290	Severe Accident Mitigation Alternatives	CH2	0%	42	01/02/08*	02/28/08	05/31/07	08/10/07	-2		293
293	Tech/Licensing Review	CH2	0%	5	02/29/08	03/07/08	08/24/07	08/28/07	-2	288, 289, 290, 291, 292	294
294	Incorp. Senior Review Comments	CH2	0%	12	03/10/08	03/25/08	10/01/07	10/05/07	-3	293	295
295	Tech Edit / Submit OAR ER Chp 7 (Rev C)	CH2	0%	2	03/26/08	03/27/08	10/08/07	10/12/07	-2	294	296
296	Owner Review Process ER Chp 7	PE-E...	0%	20	03/28/08	04/24/08	10/15/07	11/09/07	-2	295	296.2
296.1	Incorporate Comments	CH3	0%	5	04/28/08	05/01/08			-2	296, 292.3	78
296.2	Submit ER Chp 7 Rev D	CH2	0%	0		05/01/08			-2	296.1	78
663	Issue Final FSAR 2.4 (Rev D)	CH2	0%	0		05/01/08			-2	715	715
705	OAR FSAR 2.4	PE	0%	20	03/28/08	04/24/08			-2	160	663
715	Incorp OAR Comments	CH2	0%	5	04/25/08	05/01/08			-2	706	80
78	Assemble Final COL Application	SL	0%	88	05/02/08	08/01/08	08/23/08	08/22/08	-2	196, 583, 78, 382, 670, 561, 554, 377, 41...	
80	Submit Final COLA to NRC	PE	0%	0		08/01/08		08/21/08	-2	79	
Total Float: 0											
148	Comments on Preliminary PMH	CH2	0%	8	12/03/07*	12/07/07	08/27/07	08/31/07	9	147	148
Total Float: 1											
264	Water-Related Impacts	CH2	0%	32	12/17/07*	01/29/08	01/15/08	02/26/08	1	260, 167	271, 277
271	Tech/Licensing Review	CH2	0%	15	01/30/08	02/19/08	04/08/08	04/14/08	1	262, 263, 264, 265, 266, 267, 270, 288	273
272	Incorp. Senior Review Comments	CH2	0%	19	02/20/08	03/17/08	04/15/08	04/21/08	1	271	273
273	Tech Edit / Submit OAR ER Chp 5 (Rev C)	CH2	0%	5	03/18/08	03/24/08	04/22/08	04/28/08	1	272	274
274	Owner Review Process ER Chp 5	PE-E...	0%	20	03/25/08	04/21/08	04/29/08	05/28/08	1	273	274.1
274.1	Incorporate Comments	CH2	0%	5	04/22/08	04/28/08			1	273	274.2
274.2	Submit ER Chp 5 Rev D	CH2	0%	0		04/28/08			1	274, 268.3, 562, 563	78
482	Revise Section 9.1 (Introduction) for site-specific information	SL	0%	20	01/31/08	02/27/08	11/08/07	11/28/07	1	274.1	483, 482
486	Revise Section 9.2 (Offsite Power Systems) for site-specific informati...	SL	0%	14	01/28/08	02/14/08	05/31/07	11/28/07	1	481, 486, 480	282, 482, 487, 482
482	Submit OAR FSAR Chapter 9	SL	0%	0		02/27/08		12/19/07	1	484, 488, 630, 632, 634, 636, 808, 778	482.5
482.5	Issue Chapter 9 to Client for OAR	SL	0%	11	02/28/08	03/13/08			1	486, 482, 480	483
483	OAR - Chapter 9	PE-E...	0%	10	03/14/08	03/27/08	12/20/07	01/02/08	1	482	484
484	Receive and Incorporate OAR Comments - Chapter 9	SL	0%	22	03/28/08	04/28/08	01/03/08	01/30/08	1	482.5	486
486	Issue Finalize Chapter 9	SL	0%	0		04/28/08		01/31/08	1	483	78
631	PGN Provide Desired Configuration of Switchyard	PE-ELE	80%	10	10/16/07 A	12/05/07	08/21/07	08/13/07	1	484	632, 630
632	Develop Switchyard Single Line Diagrams	SL	0%	40	12/03/07	01/28/08	05/31/07	10/03/07	1	629	486, 637
637	Issue Switchyard Conceptual Design for OAR	SL	0%	0		01/25/08		10/04/07	1	631	636, 778
778	Prepare Switchyard FMEA	SL	0%	20	01/28/08	02/22/08			1	630, 632, 634, 636	486, 766
Total Float: 2										637	
173	Receive Data From Geomatrix (2.5.2)	CH2	50%	0	01/15/07 A	02/28/08	12/14/07	12/14/07	2		174, 183
174	Senior Review (2.5.2)	CH2	0%	10	02/29/08	03/13/08	12/14/07	01/10/08	2	173	175
175	Incorp. Senior Review Comments (2.5.2)	CH2	0%	5	03/14/08	03/20/08	01/11/08	01/24/08	2	174	176



Remaining Work
Critical Remaining Work
Milestone
% Complete

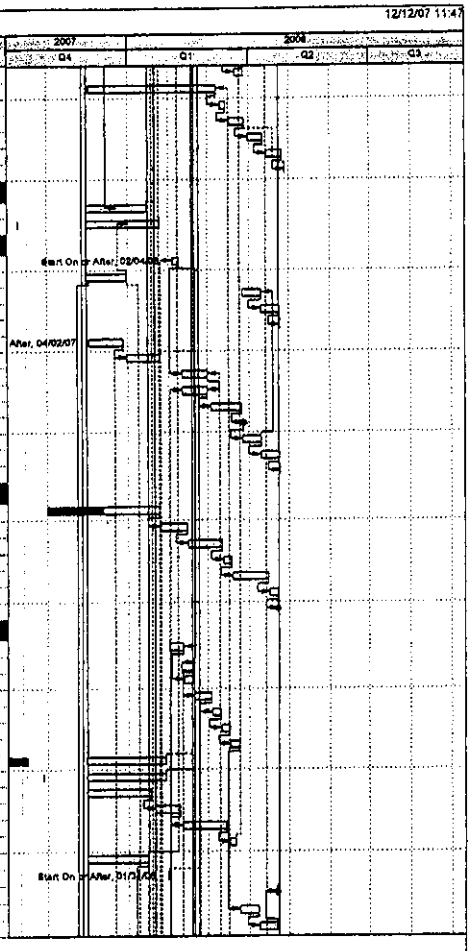
TASK filter: TF<= 22 days.

© Primavera Systems, Inc.

[!] CONFIDENTIAL

LNP COLA - PEF R-12 | Attachment F - Critical Path Report | 12/12/07 11:47

Activity ID	Task Name	AEEP	Activity % Complete	Dur	Start	Finish	BL Start	BL Finish	TF	Predecessors	Successors
176	Tech Edit / Finalize Section (2.5.2) (Rev C)	CH2	0%	5	03/21/08	03/27/08	01/28/08	02/07/08	2	175	183, 183, 178.1
578	Confirm site-specific X/Q values are bounded by values in Table 15A-6	WP	0%	70	12/03/07	03/07/08	08/27/07	11/02/07	2	126	577
577	FSAR Appendices A/B	WP	0%	5	03/10/08	03/14/08	11/05/07	11/09/07	2	576	578
576	Issue FSAR Chapter 15 to Client for QAR	WP	0%	10	03/17/08	03/28/08	01/28/08	02/08/08	2	577, 572, 574	579, 581
579	QAR - FSAR Chapter 15	PE-N...	0%	10	03/31/08	04/11/08	02/11/08	02/15/08	2	578	580
580	Receive and Incorporate QAR Comments - FSAR Section 15	WP	0%	10	04/14/08	04/25/08	02/18/08	02/14/08	2	579	581
581	Issue Finalize FSAR Section 15	WP	0%	0	04/28/08	04/28/08	02/17/08	02/17/08	2	578, 580	79
Total Float: 3											
282	Transmission System Impacts	CH2	5%	30	01/02/07 A	01/15/08	05/31/07	07/11/07	3	465	267, 271
266	Socioeconomic Impacts	CH2	0%	5	10/11/07 A	01/25/08	06/21/07	06/27/07	3	213, 267	271
Total Float: 4											
129	Update Meteorological Data for Actual Site Data	CH2	0%	5	02/04/08*	02/08/08	02/15/08	02/13/08	4	84	130, 564
213	Socioeconomics - ER 2.5	CH2	40%	208	02/18/07 A	12/31/07	02/19/07	08/29/07	4	211	224, 261, 266
447	QAR - Chapter 1	PE-LIC	0%	10	03/27/08	04/09/08	01/07/08	01/11/08	4	446.5, 566.5	448
448	Receive and Incorporate QAR Comments -Chapter 1	SL	0%	10	04/10/08	04/23/08	01/14/08	01/25/08	4	447	449
449	Issue Finalize Chapter 1	SL	0%	0	04/24/08	04/24/08	01/28/08	01/28/08	4	448.5, 448	79
488	Grounding and lighting protection (COL Item 8.3-1)	SL	0%	20	12/03/07*	12/28/07	05/31/07	06/03/07	4		490
490	Revise Section 8.3 (Onsite Power Systems) for site-specific information	SL	0%	20	12/31/07	01/25/08	10/02/07	11/05/07	4	488, 488	482, 491, 492
564	Plant Offsite Dose Calculation Manual (ODCM) (COL Item 11.5-1)	WP	0%	15	02/11/08	02/29/08	03/14/08	04/03/08	4	129, 129	566
566	FSAR Section 11.5	WP	0%	15	02/11/08	02/29/08	03/14/08	04/03/08	4	568, 564	567
567	Issue Chapter 11 to Client for QAR	WP	0%	15	03/03/08	03/20/08	04/04/08	04/17/08	4	566, 558, 558, 558, 561	568
568	Begin QAR - Chapter 11	PE-RP	0%	0		03/27/08		04/24/08	4	567	568.5
568.5	QAR - Chapter 11	PE-RP	0%	10	03/27/08	04/09/08			4	568	568, 447
568	Receive and Incorporate QAR Comments - FSAR Chapter 11	WP	0%	10	04/10/08	04/23/08	04/28/08	05/22/08	4	568.5, 665	570
570	Issue Finalize FSAR Chapter 11	WP	0%	0	04/24/08	04/24/08	05/23/08	05/23/08	4	568	79
Total Float: 5											
328	Develop Site Redress Plan	CH2	50%	37	11/01/07 A	01/24/08	11/01/07	12/13/07	5		329
329	Senior Review	CH2	0%	15	01/28/08	02/14/08	12/14/07	12/20/07	5	328	330
330	Incorp. Senior Review Comments	CH2	0%	15	02/15/08	03/11/08	12/21/07	12/27/07	5	329	331
331	Tech Edit / Submit OAR Site Redress Plan (Rev C)	CH2	0%	5	03/12/08	03/18/08	12/28/07	01/03/08	5	330	332
332	Owner Review Site Redress	PE-E...	0%	20	03/19/08	04/15/08	01/04/08	01/31/08	5	331	332.1
332.1	Incorporate Comments Site Redress Plan	CH2	0%	5	04/16/08	04/22/08			5	332	332.2
332.2	Submit Site Redress Rev D	CH2	0%	0		04/22/08			5	332.1	79
Total Float: 6											
130	CH Provide Site Meteorological Data Input for Revised CHI/Q to WP	CH2	0%	7	02/01/08	02/11/08	03/14/08	03/20/08	6	129	132, 131.1
131	Revise Short-Term Diffusion Estimates (COL Item 2.3-4)	WP	0%	5	02/19/08	02/25/08	03/21/08	03/27/08	6	131.1	133, 574, 282.2
131.1	Update LNG-VES-GEC-001 (CRX/Q) & LNG-0000-GLC-002 (EAS/L...	WP	0%	5	02/12/08	02/18/08			6	130	131
133	Revise Draft FSAR Section 2.3	CH2	0%	5	02/20/08	02/26/08	03/28/08	04/03/08	6	131, 132	134
134	Senior Review/validation	CH2	0%	5	03/04/08	03/10/08	04/04/08	04/10/08	6	128, 133	135
135	Incorp. Senior Review Comments	CH2	0%	5	03/11/08	03/17/08	04/11/08	04/17/08	6	134	136
136	Tech Edit / Submit OAR Meteorology Section 2.3 (Rev C)	CH2	0%	5	03/18/08	03/24/08	04/18/08	04/24/08	6	135	686
139	Floods (COL Item 2.4-2)	CH2	80%	435	08/28/06 A	01/29/08	08/28/06	03/27/08	6	15	157
154	Cooling Water Supply (COL Item 2.4-3)	CH2	0%	28	10/29/07 A	01/28/08	08/31/07	10/26/07	6	617	167
166	Receive Data From Geomatrix (2.5.3)	CH2	50%	0	01/15/07 A	01/15/08	02/22/08	02/22/08	6		170, 184
170	Senior Review (2.5.3)	CH2	0%	15	01/21/08	02/08/08	02/22/08	03/28/08	6	169	171
171	Incorp. Senior Review Comments (2.5.3)	CH2	0%	25	02/11/08	03/14/08	03/28/08	04/28/08	6	170	172
172	Tech Edit / Finalize Section (2.5.3) (Rev C)	CH2	0%	5	03/17/08	03/21/08	04/25/08	05/08/08	6	171	193, 184, 172.1
283	Land-Use Impacts	CH2	5%	46	01/02/07 A	01/15/08	10/01/07	10/26/07	6	72, 212	284, 271, 283
606	PEF Issue Grid Stability Report	PE	0%	1	01/31/08*	01/31/08			6		486
653	Issue Final FSAR 2.3 (Rev D)	CH2	0%	0		04/21/08			6	695	79
686	OAR FSAR 2.3	PE	0%	10	03/25/08	04/07/08			6	136	695
695	Incorp OAR Comments	CH2	0%	10	04/08/08	04/21/08			6	686	653



Remaining Work | % Complete | Critical Remaining Work | Milestone

TASK filter: TF <= 22 days.

© Primavera Systems, Inc.

CONFIDENTIAL

12/12/07 11:47

Attachment F - Critical Path Report

LNP COLA - PEF R-12

Activity ID	Task Name	RESP	Activity % Complete	Dur	Start	Finish	BL Start	BL Finish	TF	Predecessors	Successors
Total Float: 7											
125	CH Provide Onsite Meteorological Data Input for CH/IQ to WP	CH2	90%	5	10/01/07 A	12/04/07	09/18/07	09/22/07	7	123	127, 129.1
127	Long-Term Diffusion Estimates (COL Item 2.3-6)	CH2	80%	31	10/08/07 A	12/31/07	09/25/07	09/24/07	7	125	105, 128, 268.1, 560.1
560	Cost Benefit Analysis of Population Doses (COL Item 11.3-1)	WP	0%	1	02/05/08	02/05/08	09/31/07	10/25/07	7	560.1	558, 565, 269
560.1	LNG-0000-NBC-004 (GRVIS Doses)	WP	0%	25	01/01/08	02/04/08			7	102, 102.1, 127	560, 269.1
565	10CFR50, Appendix I (COL Item 11.5-3)	WP	0%	5	01/30/08	02/05/08	10/19/07	10/25/07	7	560, 957	566
Total Float: 8											
101	Site Location & Description	CH2	90%	220	02/13/07 A	12/28/07	02/13/07	08/30/07	8	113	102, 103, 107, 102.1
102	Population Distribution	CH2	80%	220	02/13/07 A	12/28/07	02/13/07	08/30/07	8	101	103, 567.1, 560.1, 562.1
132	Revise Long-Term Diffusion Estimates (COL Item 2.3-6)	CH2	0%	5	02/11/08	02/15/08	03/21/08	03/27/08	8	130, 116	105, 133, 268.2, 562.1
56	Collect 1 year of Met Data	CH2	65%	270	01/29/07 A	01/28/08	01/29/07	01/25/08	8	87	128
830	Develop Switchyard Physical Layout Dwgs	EL	0%	30	12/06/07	01/16/08	08/31/07	10/09/07	8	831	466, 837
Total Float: 10											
217	Ecology -ER Ch 2.4	CH2	25%	266	02/06/07 A	01/17/08	02/06/07	08/23/07	10		216, 224, 254, 268.1
224	Tech/Licensing Review	CH2	0%	15	01/15/08	02/07/08	01/21/08	01/28/08	10	212, 213, 216, 217, 220, 221, 223	225
225	Incorp. Senior Review Comments	CH2	0%	15	02/08/08	02/04/08	01/28/08	02/01/08	10	224	226
226	Tech Edit / Submit OAR ER Chp 2 (Rev C)	CH2	0%	5	02/05/08	02/11/08	02/04/08	02/08/08	10	225	227
227	Owner Review Process ER Chp 2	PE-E...	0%	20	02/12/08	04/08/08	02/11/08	02/20/08	10	226	227.1
227.1	Incorporate Comments	CH2	0%	5	04/09/08	04/15/08			10	227	227.2
227.2	Submit ER Chp 2 Rev D	CH2	0%	0		04/15/08			10	227.1	79
481	Revise Section 3.5 (Missile Protection) for site-specific information	SL	0%	3	12/17/07	12/19/07	11/14/07	11/16/07	10	6	482
482	Revise Section 3.5 validation package for site-specific information	EL	0%	3	12/17/07	12/19/07	11/14/07	11/16/07	10	481	483
483	Revise Section 3.6 (Protection Against Dynamic Effects Associated ...	EL	0%	5	12/20/07	12/26/07	11/19/07	11/23/07	10	482	484
484	Revise Section 3.6 validation package for site-specific information	EL	0%	5	12/20/07	12/26/07	11/19/07	11/23/07	10	483	486
486	Revise Section 3.7 (Seismic Design) for site-specific information	EL	0%	20	12/27/07	01/23/08	11/26/07	12/21/07	10	484	487
487	Revise Section 3.7 validation package for site-specific information	EL	0%	20	12/27/07	01/23/08	11/26/07	12/21/07	10	486	488
488	Revise Section 3.8 (Design of Category I Structures) for site-specific ...	SL	0%	4	01/24/08	01/29/08	12/24/07	12/27/07	10	488	488
488	Revise Section 3.8 validation package for site-specific information	EL	0%	41	01/24/08	01/29/08	12/24/07	12/27/07	10	487	488
489	Revise Section 3.9 (Mechanical Systems and Components) for site-s...	EL	0%	20	01/30/08	02/26/08	12/28/07	02/07/08	10	488	470
470	Revise Section 3.9 validation package for site-specific information	EL	0%	20	01/30/08	02/26/08	12/28/07	02/07/08	10	489	471
471	Revise Section 3.10 (Seismic and Dynamic Qualification of Mechanic...	EL	0%	6	02/27/08	03/05/08	02/08/08	02/15/08	10	470	472
472	Revise Section 3.10 validation package for site-specific information	EL	0%	6	02/27/08	03/05/08	02/08/08	02/15/08	10	471	473
473	Revise Section 3.11 (Environmental Qualification of Mechanical and ...	EL	0%	3	03/06/08	03/10/08	02/18/08	02/20/08	10	472	474
474	Revise Section 3.11 validation package for site-specific information	EL	0%	3	03/06/08	03/10/08	02/18/08	02/20/08	10	473	475
475	Submit OAR FSAR Chapter 3	EL	0%	0		03/10/08		03/03/08	10	474	475.5
475.5	Issue Chapter 3 to Client for OAR	SL	0%	0	03/11/08	03/20/08			10	475	476, 478
476	OAR - Chapter 3	PE-N...	0%	5	03/21/08	04/01/08	03/04/08	03/13/08	10	475.5	477
477	Receive and Incorporate OAR Comments -Chapter 3	EL	0%	10	04/02/08	04/15/08	03/14/08	03/27/08	10	476	478
478	Issue Finalize Chapter 3	EL	0%	0		04/15/08		03/28/08	10	476.5, 477	79
8	NuStart COLA submitted	JV	0%	0	12/03/07*	12/03/07	10/31/07	10/31/07	10		373, 384, 413, 425, 461, 481, 487, 546.5...
Total Float: 11											
114	Evaluation Of Potential Accidents	WP	30%	36	11/26/07 A	12/28/07	08/23/07	08/30/07	11	113	116, 388
116	Prepare Draft FSAR Section 2.2	CH2	0%	13	12/31/07	01/16/08	09/10/07	10/16/07	11	114	117, 132
117	Tech/Licensing Review	CH2	0%	15	01/17/08	02/06/08	10/19/07	10/25/07	11	116	118
118	Incorp. Senior Review Comments	CH2	0%	15	02/07/08	02/03/08	10/26/07	11/01/07	11	117	119
119	Tech Edit / Submit OAR FSAR Section 2.2 (Rev C)	CH2	0%	5	02/04/08	02/10/08	11/02/07	11/08/07	11	118	886
266	Radiological Impacts Of Normal Operation	CH3	5%	66	01/02/07 A	01/15/08	07/13/07	07/26/07	11	243	271
270	Cooling System Impacts	CH2	5%	271	01/02/07 A	01/15/08	07/06/07	08/04/07	11	244	271
484	Offsite Electrical Power (COL Item 8.2-1)	EL	0%	30	12/05/07*	01/11/08	08/01/07	07/12/07	11		485, 486
485	Technical Interfaces (COL Item 8.2-2)	EL	0%	30	01/14/08	02/22/08	07/13/07	08/23/07	11	484	486
843	Issue Final FSAR 2.2 (Rev O)	CH2	0%	0		04/14/08			11	879	79
886	OAR FSAR 2.2	PE	0%	20	03/11/08	04/07/08			11	119	875
875	Incorp OAR Comments	CH2	0%	5	04/08/08	04/14/08			11	886	843

2007 Q4 | 2008 Q1 Q2 Q3

After, 10/31/07

After, 08/01/07

Remaining Work | % Complete | Critical Remaining Work | Milestone

TASK filter: TF<= 22 days.

© Primavera Systems, Inc.

CONFIDENTIAL

Quality Issues

The scope of work is non safety related. There were no SCA specific quality issues during this quarter.

Health and Safety Issues

There were no Health and Safety incidences on the project during this quarter.

Teamwork and Accountability Issues

There were no teamwork and accountability issues reported during this quarter

Project Budget and Invoicing Information

The summary of the project budget and invoicing are as follows:

- Current WA approved budget: Redacted
- Impact Evaluation approved budget:
- Total approved budget:
- Amount invoiced: Redacted
- Remaining approved budget: Redacted
- Amount received:
- Amount receivable: Redacted

Additional details for the above information are tabulated in Attachment A.

Scope Revisions

Redacted

Impact Evaluation #76 for Federal Permits was approved with a total budget of
Impact Evaluation #89 for Baseline ecological survey is pending approval for a budget amount of $ Redacted

Potential scope of work discussed includes:

- Address potential technical gaps identified by NRC during the ER preapplication visit
- Pre-construction permitting activities that will need to be conducted prior to site certification
- Railroad permitting (if work to be conducted prior to SCA/EIS approval)
- Additional meetings required for project management and agency coordination

Risk Matrix

Risk Matrix. No risks have been identified by the JVT.

CONFIDENTIAL

ATTACHMENT C

Monthly Performance Summary					Month Ending		November 2007				
			Client Budget		%	%	BCWS	BCWP	ACWP	SPI	CPI
WBS	Description	DOR	MH	$	Complete	Scheduled	$	$	$	$	$
1	Task # 1: Prepare/Submit COLA, DCD Departure Report, and General and Administrative Requirements										
1.2	Site Characterization	CH	1,150		7%	7%				1.00	1.19
1.3	Plant and Assoc. Facilities	CH	70		0%	0%					
1.4	Construction Impacts	CH	460		0%	0%					
1.5	Operational Impacts	CH	380		0%	0%					
1.6	Economic & Social Effects	CH	50		0%	0%					
1.7	Electrical Transmission Lines	CH	190		0%	0%					
1.8	Need For Power	CH	30		0%	0%					
1.9	Site and Design Alternatives	CH	40		0%	0%					
1.1	Appendices	CH	190		0%	0%					
1.11	Documentation	CH	840		7%	7%				1.00	1.07
1.12	Quality Assurance	CH	430		0%	0%					
2.1	Requirements & Coordination with SCA	CH	40		99%	100%					
2.2	316(b) Permit	CH	890		19%	19%					
2.3	NPDES Permit	CH	400		2%	2%					
2.4	Haz Waste Mgmt. Plan	CH	290		2%	2%					
2.5	Section 404/10 Permit	CH	1,320		0%	0%					
2.6	PSD Permit	CH	360		0%	0%					
2.7	Coastal Zone Mgmt. Certifications	CH	570		3%	3%					
1.13	Project Management	CH	1,090		40%	40%				1.00	0.90
1.14	Project Management	SL	210		6%	6%				1.00	0.38
	Task #1 Target Price		8,500		10%	10%				1.00	0.98
	Direct Costs (Travel and Other Expenses)										

Redacted

Redacted

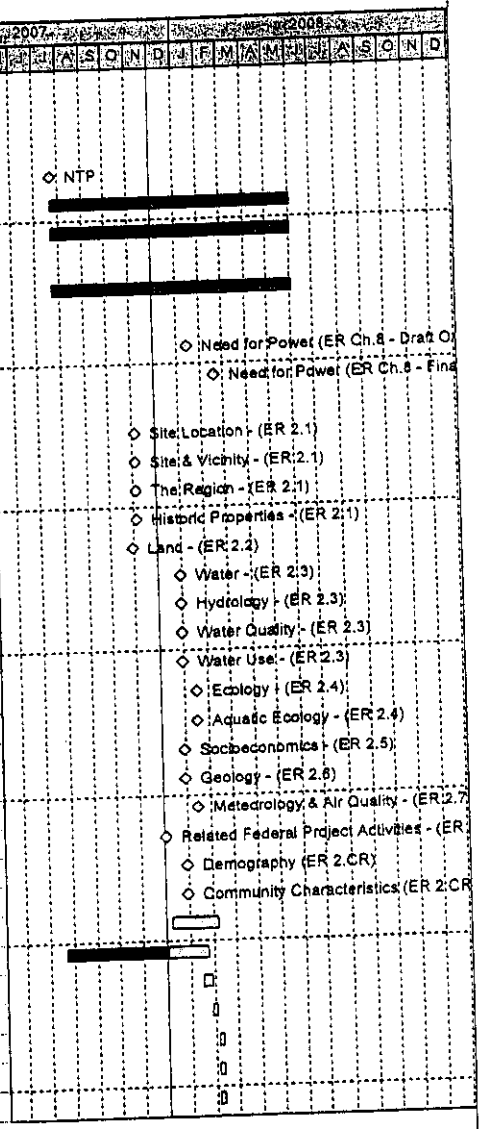
Redacted

Key:	This reflects the current stage of the task and thus helps gage the significance of the performance data.
% Complete	Budgeted Cost of Work Scheduled: This reflects the value of the work that was to be complete by this point in time per the work plan.
BCWS	Budgeted Cost of Work Performed: This reflects the value of the work that has been completed (Earned Value)
BCWP	Actual Cost of Work Performed: This reflects the actual expenditure to date
ACWP	Schedule Variance (SV = BCWP - BCWS): This measures the deviation from the project schedule (negative no. indicates behind schedule)
SV	Cost Variance (CV = BCWP - ACWP): This measures the deviation from the project budget (negative no. indicates budget overrun)
CV	Schedule Performance Index (SPI = BCWP/BCWS): This reflects performance relative to project schedule. (> 1.0 indicates ahead of schedule)
SPI	Cost Performance Index (CPI = BCWP/ACWP): This reflects performance relative to project budget. (>1.0 indicates under budget)
CPI	

CONFIDENTIAL

CH2M HILL PEF - SCA | PE SCA - Detailed Schedule | 10-Dec-07 10:23

Activity ID	Activity Name	Physical % Complete	Rem Dur	Early Start	Early Finish	BL Finish	Total Float
SCA	CH2M HILL PEF - SCA		183	25-Jun-07 A	02-Jun-08	02-Jun-08	0
SCA.SC	Site Certification Application (SCA)		183	25-Jun-07 A	02-Jun-08	02-Jun-08	0
SCA.SC.01	Project Management		183	23-Jul-07 A	02-Jun-08	02-Jun-08	0
SCA1000	NTP	100%	0	23-Jul-07 A			
SCA1001	Management	40%	128	23-Jul-07 A	02-Jun-08	02-Jun-08	0
SCA1002	Client /Agency Meetings	40%	128	23-Jul-07 A	02-Jun-08	02-Jun-08	0
SCA.SC.02	Quality Assurance		183	23-Jul-07 A	02-Jun-08	02-Jun-08	0
SCA2000	Quality Assurance	40%	128	23-Jul-07 A	02-Jun-08	02-Jun-08	0
SCA.SC.03	Need for Power		35	15-Jan-08	19-Feb-08	07-Mar-08	94
SCA3000	Need for Power (ER Ch.8 - Draft OAR Submittal)	0%	0		15-Jan-08*	15-Jan-08	30
SCA3010	Need for Power (ER Ch.8 - Final OAR Submittal)	0%	0		19-Feb-08*	07-Mar-08	66
SCA.SC.04	Site Characterization (ER Ch. 2)		141	23-Jul-07 A	21-Apr-08	21-Apr-08	32
SCA4000	Site Location - (ER 2.1)	100%	0		05-Nov-07 A	12-Nov-07	
SCA4001	Site & Vicinity - (ER 2.1)	100%	0		05-Nov-07 A	12-Nov-07	
SCA4002	The Region - (ER 2.1)	100%	0		05-Nov-07 A	12-Nov-07	
SCA4003	Historic Properties - (ER 2.1)	100%	0		31-Oct-07 A	01-Nov-07	
SCA4004	Land - (ER 2.2)	0%	0		31-Dec-07	31-Dec-07	40
SCA4005	Water - (ER 2.3)	0%	0		31-Dec-07	31-Dec-07	40
SCA4006	Hydrology - (ER 2.3)	0%	0		31-Dec-07	31-Dec-07	40
SCA4007	Water Quality - (ER 2.3)	0%	0		31-Dec-07	31-Dec-07	40
SCA4008	Water Use - (ER 2.3)	0%	0		17-Jan-08	06-Dec-07	28
SCA4009	Ecology - (ER 2.4)	0%	0		17-Jan-08	06-Dec-07	28
SCA4010	Aquatic Ecology - (ER 2.4)	0%	0		31-Dec-07	31-Dec-07	40
SCA4011	Socioeconomics - (ER 2.5)	0%	0		31-Dec-07	31-Dec-07	40
SCA4012	Geology - (ER 2.6)	0%	0		15-Jan-08	28-Dec-07	30
SCA4013	Meteorology & Air Quality - (ER 2.7)	0%	0		03-Dec-07	03-Dec-07	59
SCA4014	Related Federal Project Activities - (ER 2.8)	0%	0		31-Dec-07	30-Nov-07	40
SCA4015	Demography (ER 2.CR)	0%	0		31-Dec-07	30-Nov-07	40
SCA4016	Community Characteristics (ER 2.CR)	0%	42	10-Dec-07	07-Feb-08	25-Jan-08	23
SCA4017	Noise (Supplemental Data)	5%	38	23-Jul-07 A	25-Jan-08	25-Jan-08	6
SCA4018	Transmission Corridors & Offsite Areas	0%	7	18-Jan-08	28-Jan-08	25-Jan-08	21
SCA4019	Additional Supplemental Information	0%	5	29-Jan-08	04-Feb-08	01-Feb-08	21
SCA4100	Validation	0%	5	05-Feb-08	11-Feb-08	08-Feb-08	21
SCA4101	Senior Review	0%	5	05-Feb-08	11-Feb-08	08-Feb-08	21
SCA4102	License Review	0%	5	05-Feb-08	11-Feb-08	08-Feb-08	21
SCA4103	Technical Editing						



Actual Work ◇ Milestone
Remaining Work
Critical Remaining Work

Progress Energy SCA

CH2M HILL

CH2M HILL

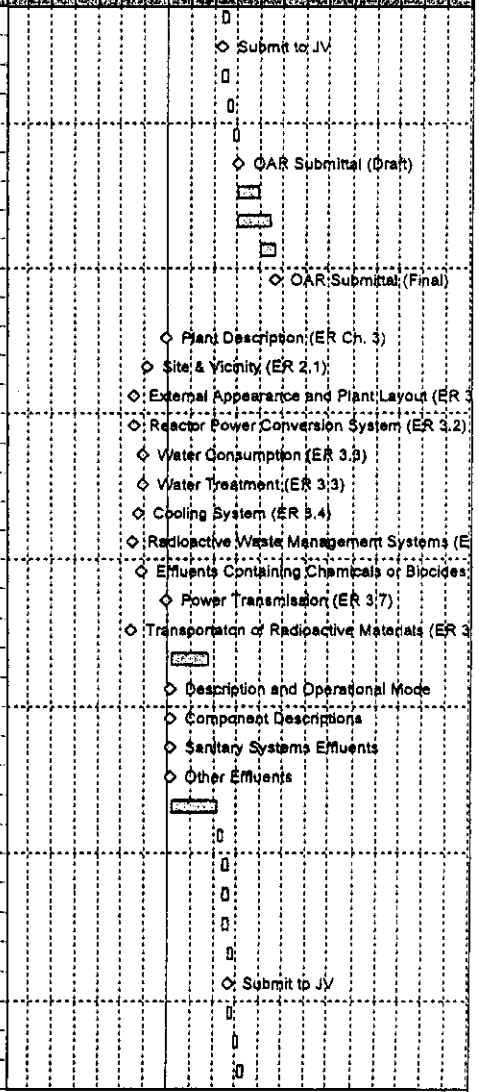
PE SCA - Florida

Current Schedule - 11/30/07

CONFIDENTIAL

CH2M HILL PEF - SCA	PE SCA - Detailed Schedule	10-Dec-07 10:23

Activity ID	Activity Name	Physical % Complete	Remaining Duration	Start	Finish	BL Finish	Total Float
SCA4104	Independent Review	0%	5	12-Feb-08	18-Feb-08	15-Feb-08	21
SCA4105	Submit to JV	0%	0		11-Feb-08	08-Feb-08	21
SCA4106	JV Reveiw	0%	5	12-Feb-08	18-Feb-08	15-Feb-08	21
SCA4107	Address JV & Independent Review Comments	0%	5	19-Feb-08	25-Feb-08	22-Feb-08	21
SCA4108	Final Technical Editing	0%	5	26-Feb-08	03-Mar-08	29-Feb-08	21
SCA4109	OAR Submittal (Draft)	0%	0		03-Mar-08	29-Feb-08	21
SCA4110	Progress Energy Review	0%	20	04-Mar-08	31-Mar-08	28-Mar-08	24
SCA4111	Legal Review	0%	30	04-Mar-08	14-Apr-08	11-Apr-08	29
SCA4112	Incorporate PE Comments	0%	15	01-Apr-08	21-Apr-08	18-Apr-08	24
SCA4113	OAR Submittal (Final)	0%	0		21-Apr-08	21-Apr-08	24
SCA.SC.05	Plant and Associated Facilities (ER Ch. 3)		146	15-Oct-07 A	30-Apr-08	30-Apr-08	23
SCA5000	Plant Description (ER Ch. 3)	100%	0		30-Nov-07 A	06-Dec-07	
SCA5001	Site & Vicinity (ER 2.1)	100%	0		05-Nov-07 A	06-Dec-07	
SCA5003	External Appearance and Plant Layout (ER 3.1)	100%	0		19-Oct-07 A	06-Dec-07	
SCA5004	Reactor Power Conversion System (ER 3.2)	100%	0		19-Oct-07 A	06-Dec-07	
SCA5005	Water Consumption (ER 3.3)	100%	0		31-Oct-07 A	06-Dec-07	
SCA5006	Water Treatment (ER 3.3)	100%	0		31-Oct-07 A	06-Dec-07	
SCA5007	Cooling System (ER 3.4)	100%	0		24-Oct-07 A	06-Dec-07	
SCA5008	Radioactive Waste Management Systems (ER 3.5)	100%	0		17-Oct-07 A	06-Dec-07	
SCA5009	Effluents Containing Chemicals or Biocides (ER3.6)	100%	0		29-Oct-07 A	06-Dec-07	
SCA5010	Power Transmission (ER 3.7)	100%	0		30-Nov-07 A	06-Feb-08	
SCA5011	Transportaton of Radioactive Materials (ER 3.8)	100%	0		15-Oct-07 A	06-Dec-07	
SCA5012	Noise (Supplemental Data) - from WH	0%	34	07-Dec-07	25-Jan-08	28-Dec-07	13
SCA5013	Description and Operational Mode	0%	0		06-Dec-07	06-Dec-07	56
SCA5014	Component Descriptions	0%	0		06-Dec-07	06-Dec-07	56
SCA5015	Sanitary Systems Effluents	0%	0		06-Dec-07	06-Dec-07	56
SCA5016	Other Effluents	0%	0		06-Dec-07	06-Dec-07	56
SCA5017	Additional Supplemental Data	0%	44	07-Dec-07	06-Feb-08	06-Feb-08	14
SCA5100	Validation	0%	5	07-Feb-08	13-Feb-08	13-Feb-08	14
SCA5101	Senior Review	0%	5	14-Feb-08	20-Feb-08	20-Feb-08	14
SCA5102	License Review	0%	5	14-Feb-08	20-Feb-08	20-Feb-08	14
SCA5103	Technical Editing	0%	5	14-Feb-08	20-Feb-08	20-Feb-08	14
SCA5104	Independent Review	0%	5	21-Feb-08	27-Feb-08	27-Feb-08	14
SCA5105	Submit to JV	0%	0		20-Feb-08	20-Feb-08	14
SCA5106	JV Reveiw	0%	5	21-Feb-08	27-Feb-08	27-Feb-08	14
SCA5107	Address JV & Independent Review Comments	0%	5	28-Feb-08	05-Mar-08	05-Mar-08	14
SCA5108	Final Technical Editing	0%	5	06-Mar-08	12-Mar-08	12-Mar-08	14

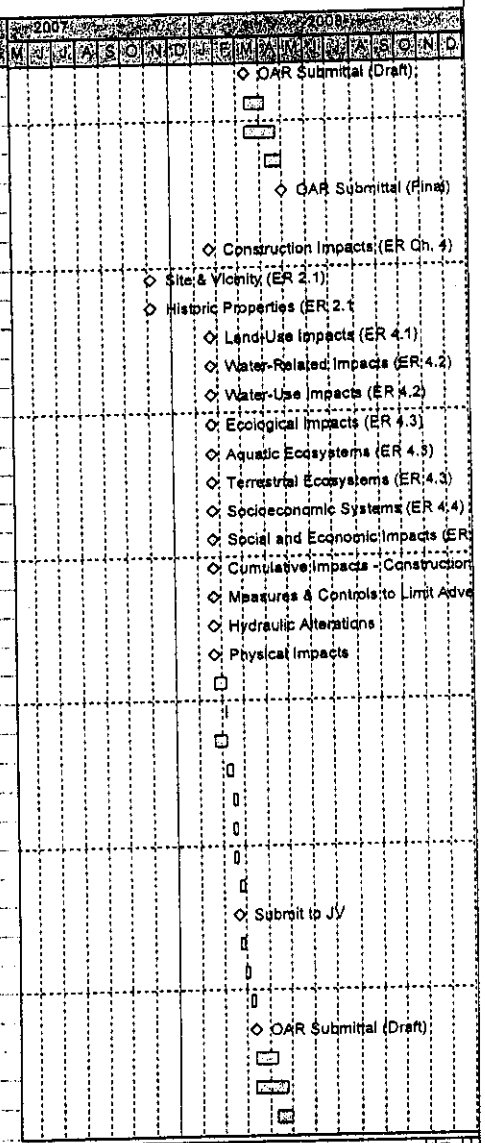


Actual Work ◇ ◇ Milestone
Remaining Work
Critical Remaining Work

CONFIDENTIAL

CH2M HILL PEF - SCA | PE SCA - Detailed Schedule | 10-Dec-07 10:23

Activity ID	Activity Name	Physical % Complete	Rem Durati	Start	Finish	BL Finish	Total Float
SCA5109	OAR Submittal (Draft)	0%	0		12-Mar-08	12-Mar-08	14
SCA5110	Progress Energy Review	0%	20	13-Mar-08	09-Apr-08	09-Apr-08	17
SCA5111	Legal Review	0%	30	13-Mar-08	23-Apr-08	23-Apr-08	22
SCA5112	Incorporate PE Comments	0%	15	10-Apr-08	30-Apr-08	30-Apr-08	17
SCA5113	OAR Submittal (Final)	0%	0		30-Apr-08	30-Apr-08	17
SCA.SC.06	Construction Impacts (ER Ch. 4)		100	05-Nov-07 A	01-May-08	01-May-08	22
SCA6000	Construction Impacts (ER Ch. 4)	0%	0		22-Jan-08	22-Jan-08	25
SCA6001	Site & Vicinity (ER 2.1)	100%	0		05-Nov-07 A	22-Jan-08	
SCA6003	Historic Properties (ER 2.1	100%	0		05-Nov-07 A	22-Jan-08	
SCA6004	Land-Use Impacts (ER 4.1)	0%	0		22-Jan-08	22-Jan-08	25
SCA6005	Water-Related Impacts (ER 4.2)	0%	0		22-Jan-08	22-Jan-08	25
SCA6006	Water-Use Impacts (ER 4.2)	0%	0		22-Jan-08	22-Jan-08	25
SCA6007	Ecological Impacts (ER 4.3)	0%	0		22-Jan-08	22-Jan-08	25
SCA6008	Aquatic Ecosystems (ER 4.3)	0%	0		22-Jan-08	22-Jan-08	25
SCA6009	Terrestrial Ecosystems (ER 4.3)	0%	0		22-Jan-08	22-Jan-08	25
SCA6010	Socioeconomic Systems (ER 4.4)	0%	0		22-Jan-08	22-Jan-08	25
SCA6011	Social and Economic Impacts (ER. 4.4)	0%	0		22-Jan-08	22-Jan-08	25
SCA6012	Cumulative Impacts - Construction Workers (ER 4.5)	0%	0		22-Jan-08	22-Jan-08	25
SCA6013	Measures & Controls to Limit Adverse Impacts (ER ...	0%	0		22-Jan-08	22-Jan-08	25
SCA6014	Hydraulic Alterations	0%	0		22-Jan-08	22-Jan-08	25
SCA6015	Physical Impacts	0%	0		22-Jan-08	22-Jan-08	25
SCA6016	Noise Impacts (Supplemental Data)	0%	12	23-Jan-08	07-Feb-08	07-Feb-08	13
SCA6017	Transmission Corridors and Offsite Areas	0%	0	07-Feb-08	07-Feb-08	07-Feb-08	14
SCA6018	Additional Supplemental Data	0%	12	23-Jan-08	07-Feb-08	07-Feb-08	13
SCA6100	Validation	0%	5	08-Feb-08	14-Feb-08	14-Feb-08	13
SCA6101	Senior Review	0%	5	15-Feb-08	21-Feb-08	21-Feb-08	13
SCA6102	License Review	0%	5	15-Feb-08	21-Feb-08	21-Feb-08	13
SCA6103	Technical Editing	0%	5	15-Feb-08	21-Feb-08	21-Feb-08	13
SCA6104	Independent Review	0%	5	22-Feb-08	28-Feb-08	28-Feb-08	13
SCA6105	Submit to JV	0%	0		21-Feb-08	21-Feb-08	13
SCA6106	JV Reveiw	0%	5	22-Feb-08	28-Feb-08	28-Feb-08	13
SCA6107	Address JV & Independent Review Comments	0%	5	29-Feb-08	06-Mar-08	06-Mar-08	13
SCA6108	Final Technical Editing	0%	5	07-Mar-08	13-Mar-08	13-Mar-08	13
SCA6109	OAR Submittal (Draft)	0%	0		13-Mar-08	13-Mar-08	13
SCA6110	Progress Energy Review	0%	20	14-Mar-08	10-Apr-08	10-Apr-08	16
SCA6111	Legal Review	0%	30	14-Mar-08	24-Apr-08	24-Apr-08	21
SCA6112	Incorporate PE Comments	0%	15	11-Apr-08	01-May-08	01-May-08	16



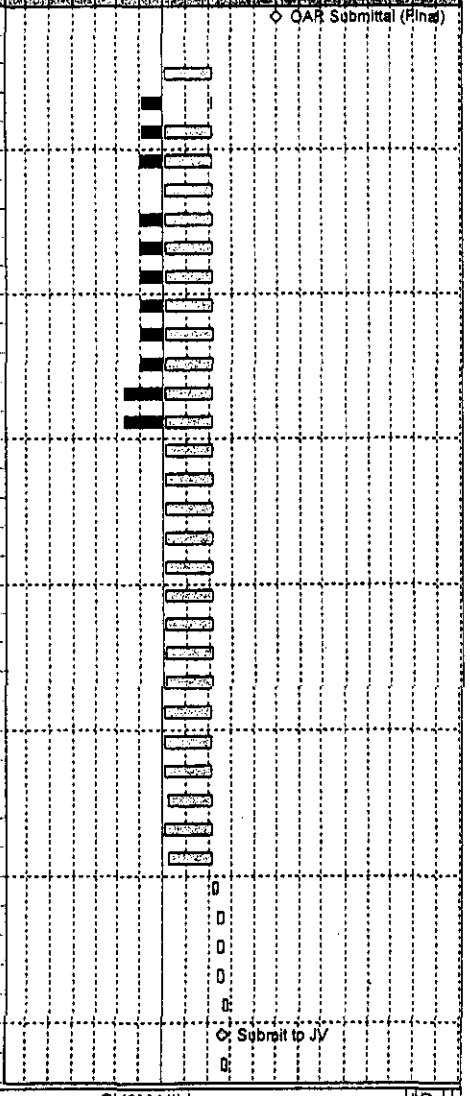
Actual Work
Remaining Work
Critical Remaining Work
Milestone

CH2M HILL
PE SCA - Florida
Current Schedule - 11/30/07

CONFIDENTIAL

CH2M HILL PEF - SCA	PE SCA - Detailed Schedule	10-Dec-07 10:23

Activity ID	Activity Name	Physical % Complete	Rem. Dur.	Start	Finish	SBL Finish	Total Float
SCA6113	OAR Submittal (Final)	0%	0		01-May-08	01-May-08	16
SCA.SC.07	Operational Impacts (ER Ch. 5)		148	11-Oct-07 A	30-Apr-08	30-Apr-08	23
SCA7000	Environmental Impacts of Station Operation (ER Ch....	0%	43	05-Dec-07	05-Feb-08	05-Feb-08	15
SCA7001	Site & Vicinity (ER 2.1)	50%	0	05-Nov-07 A	06-Feb-08	05-Feb-08	15
SCA7002	Historic Properties (ER 2.1)	50%	43	05-Nov-07 A	05-Feb-08	05-Feb-08	15
SCA7003	Land-Use Impacts (ER 5.1)	5%	43	01-Nov-07 A	05-Feb-08	05-Feb-08	15
SCA7004	Water-Related Impacts (ER 5.2)	0%	43	05-Dec-07	05-Feb-08	05-Feb-08	15
SCA7005	Cooling System Impacts (ER 5.3)	5%	43	01-Nov-07 A	05-Feb-08	05-Feb-08	15
SCA7006	Hydrodynamic Descriptions & Physical Impacts (ER ...	5%	43	01-Nov-07 A	05-Feb-08	05-Feb-08	15
SCA7007	Aquatic Ecosystems (ER 5.5)	5%	43	01-Nov-07 A	05-Feb-08	05-Feb-08	15
SCA7008	Environmental Impacts of Waste (ER 5.5)	5%	43	01-Nov-07 A	05-Feb-08	05-Feb-08	15
SCA7009	Terrestrial Ecosystems (ER 5.5)	5%	43	01-Nov-07 A	05-Feb-08	05-Feb-08	15
SCA7010	Transmission System Impacts (ER 5.6)	5%	43	01-Nov-07 A	05-Feb-08	05-Feb-08	15
SCA7011	Socioeconomic Impacts (ER 5.8)	5%	43	11-Oct-07 A	05-Feb-08	05-Feb-08	15
SCA7012	Social and Economic Impacts of Station Ops (ER 5.8)	5%	43	11-Oct-07 A	05-Feb-08	05-Feb-08	15
SCA7013	Intake System	0%	43	05-Dec-07	05-Feb-08	05-Feb-08	15
SCA7014	Discharge System	0%	43	05-Dec-07	05-Feb-08	05-Feb-08	15
SCA7015	Thermal Description & Physical Impacts	0%	43	05-Dec-07	05-Feb-08	05-Feb-08	15
SCA7016	Heat-Discharge Systems	0%	43	05-Dec-07	05-Feb-08	05-Feb-08	15
SCA7017	Heat Dissipation to the Atmosphere	0%	43	05-Dec-07	05-Feb-08	05-Feb-08	15
SCA7018	Nonradioactive Waste System Impacts	0%	43	05-Dec-07	05-Feb-08	05-Feb-08	15
SCA7019	Mixed Waste Impacts	0%	43	05-Dec-07	05-Feb-08	05-Feb-08	15
SCA7020	Impacts to Members of the Public	0%	43	05-Dec-07	05-Feb-08	05-Feb-08	15
SCA7021	*Measures and controls to Limit Adverse Impacts*	0%	43	05-Dec-07	05-Feb-08	05-Feb-08	15
SCA7022	Cumulative Impacts Related to Station Operation	0%	43	05-Dec-07	05-Feb-08	05-Feb-08	15
SCA7023	Physical Impacts of Station Operation	0%	43	05-Dec-07	05-Feb-08	05-Feb-08	15
SCA7024	Decommissioning	0%	43	05-Dec-07	05-Feb-08	05-Feb-08	15
SCA7025	Noise (Supplemental Data)	0%	41	10-Dec-07	06-Feb-08	05-Feb-08	13
SCA7026	Transmission Corridors and Offsite Areas	0%	43	06-Dec-07	06-Feb-08	06-Feb-08	14
SCA7027	Additional Supplemental Information	0%	43	10-Dec-07	06-Feb-08	05-Feb-08	14
SCA7100	Validation	0%	5	07-Feb-08	13-Feb-08	13-Feb-08	14
SCA7101	Senior Review	0%	5	14-Feb-08	20-Feb-08	20-Feb-08	14
SCA7102	License Review	0%	5	14-Feb-08	20-Feb-08	20-Feb-08	14
SCA7103	Technical Editing	0%	5	14-Feb-08	20-Feb-08	20-Feb-08	14
SCA7104	Independent Review	0%	5	21-Feb-08	27-Feb-08	27-Feb-08	14
SCA7105	Submit to JV	0%	0		20-Feb-08	20-Feb-08	14
SCA7106	JV Reveiw	0%	5	21-Feb-08	27-Feb-08	27-Feb-08	14



Actual Work ◇ ◇ Milestone
Remaining Work
Critical Remaining Work

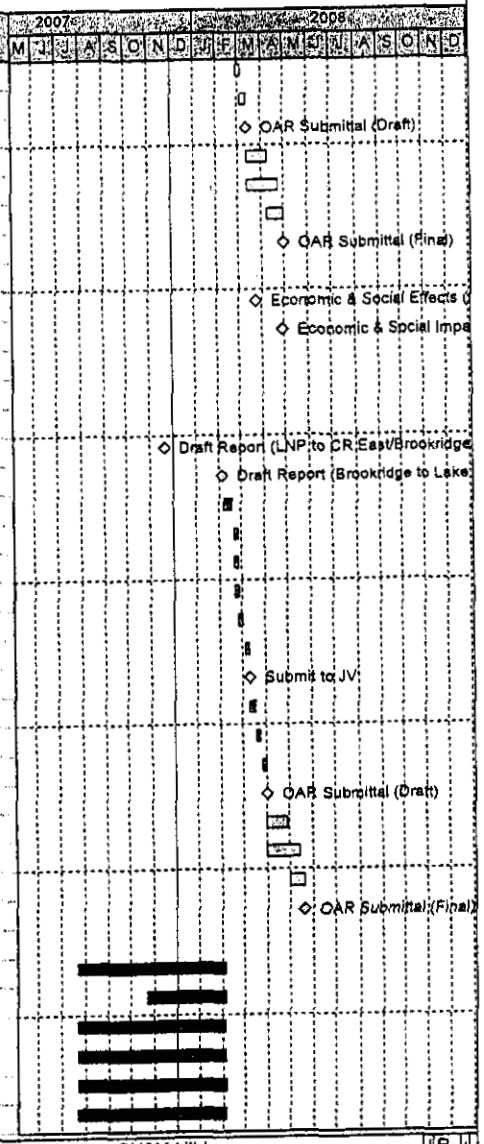
CH2M HILL PEF - SCA

CONFIDENTIAL

PE SCA - Detailed Schedule

10-Dec-07 10:23

Activity ID	Activity Name	Physical % Complete	Rem Durati...	Start	Finish	BL Finish	Total Float
SCA7107	Address JV & Independent Review Comments	0%	5	28-Feb-08	05-Mar-08	05-Mar-08	14
SCA7108	Final Technical Editing	0%	5	06-Mar-08	12-Mar-08	12-Mar-08	14
SCA7109	OAR Submittal (Draft)	0%	0		12-Mar-08	12-Mar-08	14
SCA7110	Progress Energy Review	0%	20	13-Mar-08	09-Apr-08	09-Apr-08	17
SCA7111	Legal Review	0%	30	13-Mar-08	23-Apr-08	23-Apr-08	22
SCA7112	Incorporate PE Comments	0%	15	10-Apr-08	30-Apr-08	30-Apr-08	17
SCA7113	OAR Submittal (Final)	0%	0		30-Apr-08	30-Apr-08	17
SCA.SC.08	Economic and Social Effects		35	24-Mar-08	28-Apr-08	25-Apr-08	25
SCA8000	Economic & Social Effects (ER Ch. 4 & 5 - Draft OA...	0%	0		24-Mar-08	21-Mar-08	6
SCA8010	Economic & Social Impacts (ER Ch. 4 & 5 - Final O...	0%	0		28-Apr-08	25-Apr-08	19
SCA.SC.10	Electrical Transmission Lines		170	25-Jun-07 A	20-May-08	20-May-08	3
SCA10000	Brookridge to Lake Tarpon/Kathleen to Lake Tarpon	5%	41	11-Jul-07 A	30-Jan-08	30-Jan-08	0
SCA10005	LNP to CR East/Brookridge/Central Florida	100%	0	25-Jun-07 A	20-Nov-07 A	20-Nov-07	
SCA10010	Draft Report (LNP to CR East/Brookridge/Central Fl...	100%	0		20-Nov-07 A	20-Nov-07	
SCA10015	Draft Report (Brookridge to Lake Tarpon/Kathleen t...	0%	0		06-Feb-08	06-Feb-08	0
SCA10020	Electrical Transmission Lines Analysis	0%	9	07-Feb-08	19-Feb-08	19-Feb-08	0
SCA10100	Validation	0%	5	20-Feb-08	26-Feb-08	26-Feb-08	0
SCA10101	Senior Review	0%	5	20-Feb-08	26-Feb-08	26-Feb-08	0
SCA10102	License Review	0%	5	20-Feb-08	26-Feb-08	26-Feb-08	0
SCA10103	Technical Editing	0%	5	27-Feb-08	04-Mar-08	04-Mar-08	0
SCA10104	Independent Review	0%	5	05-Mar-08	11-Mar-08	11-Mar-08	0
SCA10105	Submit to JV	0%	0		11-Mar-08	11-Mar-08	0
SCA10106	JV Review	0%	5	12-Mar-08	18-Mar-08	18-Mar-08	0
SCA10107	Address JV & Independent Review Comments	0%	5	19-Mar-08	25-Mar-08	25-Mar-08	0
SCA10108	Final Technical Editing	0%	5	26-Mar-08	01-Apr-08	01-Apr-08	0
SCA10109	OAR Submittal (Draft)	0%	0		01-Apr-08	01-Apr-08	0
SCA10110	Progress Energy Review	0%	20	02-Apr-08	29-Apr-08	29-Apr-08	3
SCA10111	Legal Review	0%	30	02-Apr-08	13-May-08	13-May-08	8
SCA10112	Incorporate PE Comments	0%	15	30-Apr-08	20-May-08	20-May-08	3
SCA10113	OAR Submittal (Final)	0%	0		20-May-08	20-May-08	3
SCA.SC.12	Appendices		170	23-Jul-07 A	20-May-08	23-May-08	3
SCA1200	Coordination	5%	45	23-Jul-07 A	05-Feb-08	23-May-08	0
SCA1205	Federal Permit Applicatons	5%	45	22-Oct-07 A	05-Feb-08	23-May-08	0
SCA1210	Zoning	5%	45	23-Jul-07 A	05-Feb-08	23-May-08	0
SCA1215	Environmental Resource Report	5%	45	23-Jul-07 A	05-Feb-08	23-May-08	0
SCA1220	Land Use Plan	5%	45	23-Jul-07 A	05-Feb-08	23-May-08	0
SCA1225	Existing State Permits	5%	45	23-Jul-07 A	05-Feb-08	23-May-08	0



Actual Work
Remaining Work
Critical Remaining Work
◇ Milestone

Progress Energy SCA

CH2M HILL

CH2M HILL

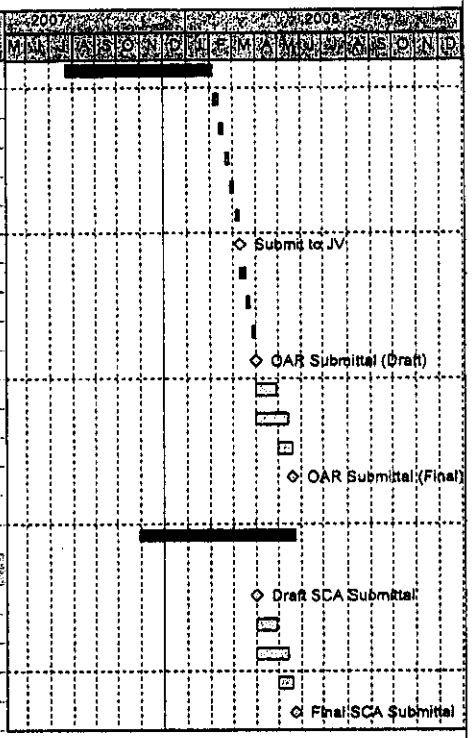
PE SCA - Florida

Current Schedule - 11/30/07

CONFIDENTIAL

CH2M HILL PEF - SCA	PE SCA - Detailed Schedule	10-Dec-07 10:23

Activity ID	Activity Name	Physical % Complete	Rem Dur	Start	Finish	BL Finish	Total Float
SCA1230	Monitoring Programs	5%	45	23-Jul-07 A	05-Feb-08	23-May-08	0
SCA1240	Validation	0%	5	06-Feb-08	12-Feb-08		0
SCA1241	Senior Review	0%	5	13-Feb-08	19-Feb-08		0
SCA1242	License Review	0%	5	20-Feb-08	26-Feb-08		0
SCA1243	Technical Editing	0%	5	27-Feb-08	04-Mar-08		0
SCA1244	Independent Review	0%	5	05-Mar-08	11-Mar-08		0
SCA1245	Submit to JV	0%	0		11-Mar-08		0
SCA1246	JV Review	0%	5	12-Mar-08	18-Mar-08		0
SCA1247	Address JV & Independent Review Comments	0%	5	19-Mar-08	25-Mar-08		0
SCA1248	Final Technical Editing	0%	5	26-Mar-08	01-Apr-08		0
SCA1249	OAR Submittal (Draft)	0%	0		01-Apr-08		0
SCA1250	Progress Energy Review	0%	20	02-Apr-08	29-Apr-08		3
SCA1251	Legal Review	0%	30	02-Apr-08	13-May-08		8
SCA1252	Incorporate PE Comments	0%	15	30-Apr-08	20-May-08		3
SCA1253	OAR Submittal (Final)	0%	0		20-May-08		3
SCA.SC.13	Documentaton		173	29-Oct-07 A	23-May-08	23-May-08	0
SCA1300	Documentation	15%	123	29-Oct-07 A	23-May-08	23-May-08	0
SCA.LD.SCA.LD	Milestones		72	01-Apr-08	23-May-08	23-May-08	0
SCA9000	Draft SCA Submittal	0%	0		01-Apr-08*	01-Apr-08	0
SCA9010	PE Review	0%	20	02-Apr-08	29-Apr-08	29-Apr-08	3
SCA9020	Legal Review	0%	30	02-Apr-08	13-May-08	13-May-08	8
SCA9030	Incorporate PE Comments	0%	15	30-Apr-08	20-May-08	20-May-08	3
SCA9040	Final SCA Submittal	0%	0		23-May-08*	23-May-08	0



Actual Work ◇ ◇ Milestone
Remaining Work
Critical Remaining Work

Progress Energy SCA

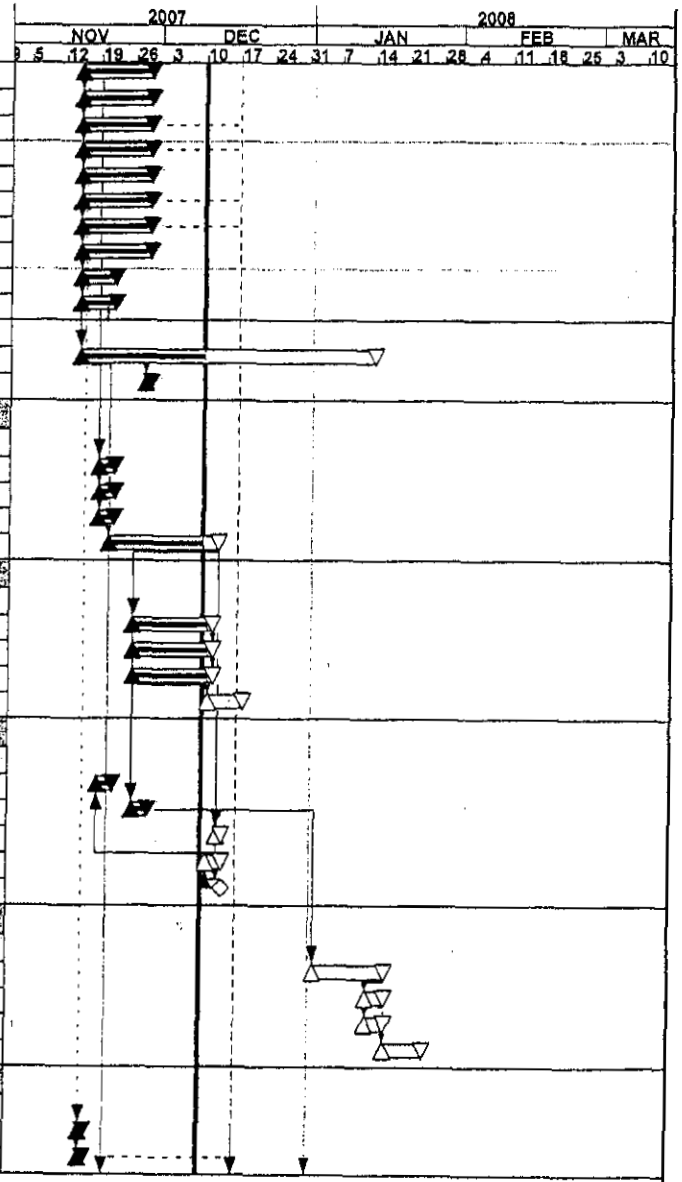
CH2M HILL

CH2M HILL

PE SCA - Florida

Current Schedule - 11/30/07

Activity ID	Activity Description	Orig Dur	Rem Dur	%	Resource	Start	Finish
255	Internal Controls	5	0	100	EM	15NOV07A	28NOV07A
260	Tests to be Performed	5	0	100	EM	15NOV07A	28NOV07A
265	Personnel Training & Qualification	5	0	100	RPS	15NOV07A	28NOV07A
270	Testing Equip & Environmental Requirements	5	0	100	EM	15NOV07A	28NOV07A
275	ID & Resolution of Nonconforming Conditions	5	0	100	EM	15NOV07A	28NOV07A
280	QA/QC Overview of Requirements	5	0	100	RPS	15NOV07A	28NOV07A
285	Documentation of Test Results	5	0	100	EM	15NOV07A	28NOV07A
290	Storage & Disposition of Samples	5	0	100	EM	15NOV07A	28NOV07A
614	Defined Critical Characteristics	5	0	100	EM	15NOV07A	21NOV07A
619	Defined Characteristics for Acceptance	5	0	100	EM	15NOV07A	21NOV07A
Required Procedures & QA Records							
295	Collect Records	40	26	35	ELM	15NOV07A	13JAN08
296	Review/Revise CH2M Hill Proced & Ven Qual Proced	1	0	100	ELM, TM	28NOV07A	28NOV07A
Develop Site Procurement Package							
370	Evaluate Available Commercial Contractors	3	0	100	ELM, TM	19NOV07A	21NOV07A
375	Write Site Work Contract	3	0	100	ELM, TM	19NOV07A	21NOV07A
380	Issue Draft Purchase Order to CH2M Hill	3	0	100	ELM, TM	19NOV07A	21NOV07A
385	CH2M Hill Issue Purchase Order	4	3	25	CH2M	21NOV07A	12DEC07
Develop Site Work Plan							
305	3 Borings Site Work Plan	3	1	67	DCK, TM	26NOV07A	11DEC07
315	Site Testing & Surveying Work Plan	3	1	67	DCK, TM	26NOV07A	11DEC07
515	Issue Draft Work Pkg to CH2M Hill	2	1	50	ELM, TM	26NOV07A	11DEC07
520	*Release Work Pkg to Field*	6	6	0	CH2M	11DEC07	17DEC07
Develop Laboratory Procurement Package							
535	Issue Draft Purchase Order to CH2M Hill	1	0	100	ELM, TM	19NOV07A	21NOV07A
310	Instructions Development Complete	7	0	100	EM	26NOV07A	28NOV07A
540	CH2M Hill Issue Purchase Order	1	1	0	CH2M	13DEC07	13DEC07
530	Write Laboratory Technical Supplement	3	3	0	ELM, TM	11DEC07	13DEC07
390	Issue Draft Instruction to CH2M Hill	0	0	0	CH2M		13DEC07
Subcontractor Activities							
395	Perform Site Borings	12	12	0	SUBCONTR	02JAN08	16JAN08
605	Perform Site Testing	4	4	0	SUBCONTR	13JAN08	16JAN08
615	Conduct Laboratory Examination	4	4	0	SUBCONTR	13JAN08	16JAN08
610	Interpert Test Results	8	8	0	SUBCONTR	17JAN08	24JAN08
Acquire Hill / Subcontractor Document							
Site Soil/Rock Boring & Testing Activities							
320	Site Soil/Rock Boring & Test Activities(2006-07)	2	0	100	ELM	16NOV07A	16NOV07A
325	Laboratory Activities (2006-07)	2	0	100	ELM	16NOV07A	16NOV07A



Start Date 08NOV07
Finish Date 25JAN08
Data Date 10DEC07
Run Date 10DEC07 08:29

Early Bar
Progress Bar

© Primavera Systems, Inc.

IAPE

Sheet 2 of 3

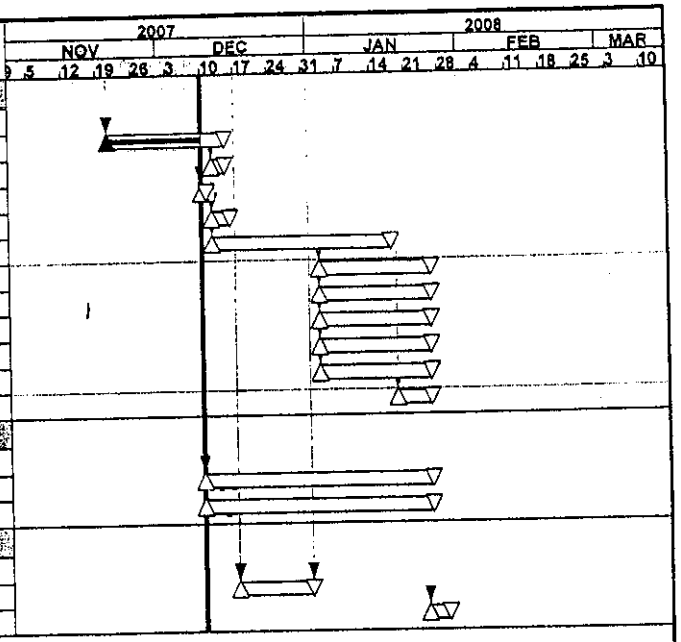
SR Activities, Progress Energy

Independent Assessment of CH2M Hill

CONFIDENTIAL

Sargent & Lundy LLC

Activity ID	Activity Description	Orig Dur	Rem Dur	%	Resource	Start	Finish
Examine Documentation for Acceptability							
Review & Assess							
450	Examine Proced for Adherence to NQA-1(DENVER)	5	5	0	RPS	21NOV07A	14DEC07
455	Site Work Plan (2006) Adherence to NQA-1(DENVER)	3	3	0	ALL	12DEC07	14DEC07
456	Develop T.S. - GRND/SULP. H2O Monitor	1	1	0		10DEC07	10DEC07
457	Site Work Plan (GRND H2O Monitoring)	4	4	0		12DEC07	15DEC07
460	Interview Site/Lab Personnel regarding Documents	28	28	0	ALL	12DEC07	17JAN08
470	Testing Equip & Environmental Requirements	20	20	0	ALL	03JAN08	25JAN08
475	ID & Resolution of Nonconforming Conditions	20	20	0	ALL	03JAN08	25JAN08
480	QA/QC Overview Requirements	20	20	0	ELM	03JAN08	25JAN08
485	Documentation of Test Results	20	20	0	ALL	03JAN08	25JAN08
490	Storage & Disposition of Samples	20	20	0	ALL	03JAN08	25JAN08
465	Eval. Site Work Plan (2006) to New Tech Results	7	7	0	ALL	19JAN08	26JAN08
Determine Deficiencies Using NQA-1							
500	Identify Issues and Gaps Via Hill CAS	38	38	0	ALL	10DEC07	25JAN08
510	Resolution of Issues & Gaps Via Hill CAS	38	38	0	ALL	10DEC07	25JAN08
Summarize Results in the Report							
505	Draft, Prepare and Issue Report	11	11	0	ELM, TM	17DEC07	31DEC07
525	Amend Report to include Conf. Test	2	2	0		25JAN08	28JAN08



CONFIDENTIAL

Start Date	08NOV07
Finish Date	25JAN08
Data Date	10DEC07
Run Date	10DEC07 08:29

Early Bar
Progress Bar

IAPE

Sheet 3 of 3

SR Activities, Progress Energy

Independent Assessment of CH2M Hill

Sargent & Lundy LLC

© Primavera Systems, Inc.

CAR and CR Summary
Progress Energy COLA Project

- **3Q 07**
  - 83 Corrective Action Requests (CARs)
  - 48 Closed (58%)

CONFIDENTIAL

- **4Q 07 (As of 12/14/07)**
  - 159 CARs and Condition Reports (CRs)
  - Includes 23 Programmatic CARs/CRs resulting from project-related audits/assessments
  - 120 Closed (75%)
  - Only 3 CARs initiated prior to 10/1/07 are open; actions for these 3 CARs will be complete by 1/31/08
  - Implemented significant revision to Corrective Action Program and implementing procedure NBG-QA-16-01 on 10/1/07 (reviewed by Progress Energy during the audit in October)

Additional Information on Current CRs

- 8 CRs were initiated for the 8 nonconformances identified during the Progress Energy Audit of CH2M HILL October 1 – 4, 2007
  - 6 of the 8 CRs are closed (75%)
  - Remaining actions on 2 open CRs do not affect the Harris or Levy COLA work (programmatic actions)
- 8 CRs were initiated from the Progress Energy NRC Audit
  - 1 CR closed
  - Remaining actions related to REDACTED or Levy COLA work will be complete 1/25/08
  - Additional extent of condition actions will be complete 1/31/08
- 25 CRs were initiated from our Response Team activities
  - 3 to 5 additional CRs are expected shortly for the remaining issues
  - Actions related to REDACTED Levy COLA work will be complete 1/25/08
- JV Independent Assessment
  - Currently evaluating items/issues and initiating CRs as appropriate
  - Many of the 20 items/issues were previously identified by our Response Team and are already addressed in CRs

CONFIDENTIAL

REDACTED

PEF WA Amendment

- Updated Tasks descriptions are in preparation – Incorporate scope for Impact Evaluations approved through December 14, 2007 (through IE #101) – target submittal December 21, 2007
- Impact Evaluations not included (pending approval)
  - #63 Excess Storm Water
  - #88 Marion County GIS
  - #102 Foundation Design Redacted
- Impact Evaluations not submitted for approval
  - Expediting the COLA submittal to July 2008 Redacted
  - Soil Resistivity Measurements for Grounding conceptual design
  - FIRS consistent Time History for Westinghouse SSI analysis
  - Formal S/R calculations for 100 year return temperature Redacted
  - Additional Barge Canal water quality data

CONFIDENTIAL

3Q2007 September 26, 2007 Meeting Agenda

1. Review Actions from last Quarterly Meeting 7:00 – 7:15 AM
2. Quality Issues 7:15 – 7:45 AM
   a. QA items
   b. JVT QA Effectiveness Review
   c. JVT CAR Status
   d. CH2M Hill QA Audit Preparations
3. Health & Safety Issues 7:45 – 7:50 AM
4. Teamwork and Accountability Issues 7:50 – 8:00 AM

[redacted] REDACTED

6. Break 09:45 – 10:00 AM
7. LNP COLA Report 10:00 – 11:30 AM
   a. Performance Metrics
   b. Risks
   c. Decisions Matrix
   d. Schedule - Critical Issues
8. SCA Report 11:30 – 12:00 Noon
   a. Performance Metrics
   b. Schedule
9. Lunch Break 12:00 – 1:00 PM
10. Breakout Sessions
    a. Plan for NRC QA Inspection 1:00 - 1:30 PM
       i. Review Progress Energy Plan
       ii. Schedule for Document Submittals
    b. LNP Construction Permits 1:30 – 2:00 PM
       a. LWA Scope – Progress Energy
       b. Pre-construction scope – Progress Energy
       c. Permits for Pre-construction - JVT
    c. Break
    d. LNP COLA July Submittal 2:15 – 2:45 PM
       a. Tasks to be Accelerated
       b. Critical Issues REDACTED

[redacted]

    f. Phase II (Post COLA RAIs) Plan 3:15 – 3:45 PM
       i. Process
       ii. WA Cost Estimates
       iii. E-Comment
    g. Open for Ad Hoc Issues 3:45 – 4:45 PM

CONFIDENTIAL

STATUS OF S&L COLA RELATED PIPs – 9/17/07

PIP #	Title	Date Initiated	Date Closed
2007-0973	Obsolete Project Instruction	9/12/07	Open – due 12/11/07
2007-0972	Improving quality integration efforts on nuclear JV activities	9/12/07	Open – due 12/11/07
2007-0962	Difficulties in initiating M-Show	9/11/07	Open – Due 12/10/07
2007-0521	Miscellaneous project discrepancies	5/8/07	8/20/07
2007-0520	Project work plan deficiencies	5/8/07	7/11/07
2007-0285	Inconsistent specification numbering	3/16/07	5/24/07
2007-0202	Procedural control for conceptual design activities	2/26/07	7/11/07
2007-0192	SOP-0405 compliance issues on lake level report	2/22/07	3/21/07
2007-0190	Project work plan discrepancy	2/22/07	2/27/07
2007-0169	10 CFR 21 postings	2/20/07	4/19/07
2007-0032	Calculation reviewer RS qualification	1/15/07	3/12/07
2007-0028	Training record deficiency	1/12/07	4/20/07
2007-0022	Errors found in executed purchase order	1/11/07	1/15/07
2006-0402	Inaccurate building dimensions on site GA	5/1/06	6/28/06

CONFIDENTIAL

Status of WorleyParsons COLA Related CAR's September 19, 2007

CAR #	Subject	Orig Date	Assigned to	Resp Section	C/A Complete and Acceptable	C/A Verified by:	Status	Close Date
N 2006-10	**NUPIC Finding 04** - Computer Software Error reporting needs to include documentation of the evaluation process	27-Jun-06	*Ed Toll*	Nuc Engineering	Y	JGD/SRS	Closed	10/26/2006
N 2006-12	**NUPIC Finding 01 - Part 1** There are no Nuclear Procurement Procedures at WorleyParsons	14-Jul-06	Frank Dombrowsky	Materials Management	Y	JGD/RFB	Closed	10/27/2006
N 2006-13	**NUPIC Finding 01 Part 2** Vendors for Nuclear Services were not on the AVL prior to the PO being issued.	14-Jul-06	Chris Krajnik	Nuc Assurance	Y	JGD/RB	Closed	10/16/2006
N 2006-14	**NUPIC Finding 01 - Part 3** Purchase Order to ArchivesOne did not specify ANSI N45.2.9 requirements.	14-Jul-06	*Chris Krajnik*	Nuc Assurance	Y	JGD/RFB	Closed	10/27/2006
N 2006-15	**NUPIC Finding 01 - Part 4 and 5** The AVL has missing requirements and is not issued to appropriate personnel.	14-Jul-06	Chris Krajnik	Nuc Assurance	Y	RFB	Closed	10/26/2006
N 2006-16	**NUPIC Finding 02 - Part 1** There were no qualification records for the Lead Auditor from American Crane.	14-Jul-06	Chris Krajnik	Nuc Assurance	Y	JGD/RFB	Closed	10/25/2006
N 2006-17	**NUPIC Finding 02 - Part 1 iv**The checklist for Audit 2006-08 was not readily available	14-Jul-06	*Chris Krajnik*	Nuc Assurance	Y	JM	Closed	10/19/2006
N 2006-18	**NUPIC Finding 02 - Part i** ArchivesOne was not evaluated annually.	14-Jul-06	Chris Krajnik	Nuc Assurance	Y	RFB	Closed	10/17/2006

CONFIDENTIAL

Status of WorleyParsons COLA Related CAR's September 19, 2007

CAR #	Subject	Orig Date	Assigned to	Resp Section	C/A Complete and Acceptable	C/A Verified by:	Status	Close Date
N 2006-19	**NUPIC Finding 02 - Part 2 ii** WorleyParsons procedures do not address commercial grade survey requirements.	14-Jul-06	Chris Krajnik	Nuc Assurance	Y	JGD/RFB	Closed	10/25/2006
N 2006-20	**NUPIC Finding 02 - Part iii** No audits or surveillances were performed within 30 to 60 days of initiation as defined in NQM.	14-Jul-06	Chris Krajnik	Nuc Assurance	Y	RFB/JGD	Closed	10/19/2006
N 2006-21	**NUPIC Finding 02 Part 3,4 and 5** Nuclear audit files show a lack of attention to detail.	14-Jul-06	Chris Krajnik	Nuc Assurance	Y	RFB	Closed	10/19/2006
N 2006-22	**NUPIC Finding 02 Part 6** Nuclear Audit Process is ineffective.	14-Jul-06	Chris Krajnik	Nuc Assurance	Y	RFB	Closed	10/19/2006
N 2006-23	**NUPIC Finding 03** Nuclear Records are not stored per ANSI N45.2.9.	14-Jul-06	Chris Krajnik	Nuc Assurance	Y	JGD/RFB	Closed	10/27/2006
N 2006-24	**NUPIC Finding 05** Quality Assurance is not independent of cost and schedule.	14-Jul-06	Chris Krajnik	Nuc Assurance	Y	JGD/RFB	Closed	10/27/2006
N 2006-25	**NUPIC Finding 06 - Para 1** Nuclear Procedures Do Not Address Record Revision Control Requirements.	14-Jul-06	Chris Krajnik	Nuc Assurance	Y	JGD/RFB	Closed	10/27/2006
N 2006-26	**NUPIC Finding 06 - Para 2** Purchase Requisition #537533-00001 was revised without controls.	14-Jul-06	Al Smith	Engneering	Y	JGD/RFB	Closed	10/27/2006
N 2006-27	**NUPIC Finding 7** - PART 21 - Discrepancies between Procedure NOM-06 and Nuclear Quality Manual.	14-Jul-06	Chris Krajnik	Nuc Assurance	Y	SRS	Closed	10/27/2006

CONFIDENTIAL

Status of WorleyParsons COLA Related CAR's September 19, 2007

CAR #	Subject	Orig Date	Assigned to	Resp Section	C/A Complete and Acceptable	C/A Verified by:	Status	Close Date
N 2006-29	Overall NUPIC Conclusion - Program analysis.	14-Jul-06	Alan Smith	Engineering	Y	JGD/RFB	Closed	10/27/2006
N2006-58	COLA Calc Review / Verification Noncompliances	10/31/2006	J. Ioannidi	Nuclear Projects	Y	JM	Closed	4/7/2007
N-2007-0018	Non-compliance with Document Control Procedure NOM-07	5/21/2007	J. Archer	Nuclear Projects	N		Closed	7/19/2007
N-2007-0019	Compliance with Nuclear Records Management Procedure NOM-05	5/21/2007	J. Archer	Nuclear Projects	N		Closed	7/19/2007
N-2007-0020	Non-Compliance with NQM-01, Nuclear Quality Manual	5/21/2007	J. Archer	Nuclear Projects	N		Closed	7/19/2007

CONFIDENTIAL

CH2M HILL PROGRESS ENERGY COLA PROJECT CAR SUMMARY

CAR No.	Issue Topic	Date Initiated	CAR Status[1]	Date CAR Closed	Scheduled Completion Date If Open
CARs LISTED ON 2Q07 REPORT					
324884-CAR-001-07	Incomplete Training and Qualifications	3/4/2007	Open		10/31/2007
324884-CAR-002-07	Evaluated Supplier List (ESL) Deficiencies	3/4/2007	Closed	8/8/2007	
324884-CAR-003-07	Inadequate Program Oversight	3/4/2007	Closed	9/4/2007	
324884-CAR-004-07	No NBG Quality Review of New Contract and/or Scope	3/7/2007	Closed	8/14/2007	
324884-CAR-005-07	CAPA Procedure	3/8/2007	Closed	8/3/2007	
324884-CAR-006-07	NBG-QA-06-01 Inconsistency	3/8/2007	Closed	8/3/2007	
324884-CAR-007-07	External Audits of Suppliers	3/8/2007	Closed	8/13/2007	
324884-CAR-008-07	Quality System Documents	3/8/2007	Open		10/31/2007
324884-CAR-009-07	Software QA	3/8/2007	Open		12/15/2007
324884-CAR-010-07	No QAPP Implementing Procedure	3/23/2007	Closed	8/28/2007	
324884-CAR-011-07	Audit/Assess Definition Inconsistency	3/23/2007	Closed	8/3/2007	
324884-CAR-012-07	Procurement Requisition Issues	3/23/2007	Open		9/26/2007
324884-CAR-013-07	QA Records	3/23/2007	Open		10/31/2007
324884-CAR-014-07	NBG Approval Matrix - Quality Assurance Program and Implementing Documents	3/23/2007	Closed	8/3/2007	
338884-CAR-001-07	PQP Calculation Form	3/3/2007	Closed	9/17/2007	
338884-CAR-002-07	Calculations	3/3/2007	Closed	9/17/2007	
338884-CAR-003-07	Design Input Acceptance	3/3/2007	Closed	8/5/2007	
338884-CAR-004-07	Electronic Signatures	3/3/2007	Closed	8/3/2007	
338884-CAR-005-07	Corrective Action Program	3/3/2007	Closed	8/5/2007	
338884-CAR-006-07	JV Management Committee	3/4/2007	Closed	8/5/2007	
338884-CAR-007-07	Training Deficiencies	3/4/2007	Closed	8/3/2007	
338884-CAR-008-07	Inadequate PQP	3/4/2007	Closed	8/5/2007	
338884-CAR-009-07	Owner Approval	3/4/2007	Closed	8/5/2007	
338884-CAR-010-07	Document Control	3/4/2007	Closed	8/5/2007	
338884-CAR-011-07	QA Flowdown to Subcontractors	3/4/2007	Closed	8/10/2007	
338884-CAR-012-07	JV Acceptance of Subcontractors	3/4/2007	Closed	8/5/2007	
338884-CAR-013-07	Project Surveillance/ Assessments Not Sufficiently Scoped	3/4/2007	Closed	5/24/2007	
338884-CAR-014-07	Collective Significance of Progress Energy Audits & CH2M HILL Surveillances	3/4/2007	Open		9/21/2007
338884-CAR-015-07	Control of Work Scope	3/7/2007	Closed	8/5/2007	
338884-CAR-016-07	Meteorological Tower Safety Classification	3/7/2007	Closed	8/5/2007	
338884-CAR-017-07	Forms, Checklist, and Document Completion	3/7/2007	Closed	8/5/2007	
338884-CAR-018-07	10 CFR 21 Posting	3/7/07	Open		10/1/2007
338884-CAR-019-07	Lead Assessor Qualifications	3/7/2007	Closed	8/3/2007	
338884-CAR-020-07	Project Instructions	3/7/2007	Closed	8/7/2007	
338884-CAR-021-07	Surveillance Performed in Lieu of Audit	3/8/2007	Closed	8/3/2007	
338884-CAR-022-07	JVT PI Not Adopted	3/8/2007	Closed	8/5/2007	
338884-CAR-023-07	Training Attendance Form	3/23/2007	Closed	8/2/2007	
338884-CAR-024-07	Jim Selph - Field Assessment	3/19/2007	Closed	8/9/2007	
338884-CAR-025-07	Jim Selph - Field Assessment	3/19/2007	Closed	8/3/2007	
338884-CAR-026-07	Jim Selph - Field Assessment	3/19/2007	Closed	8/5/2007	
338884-CAR-027-07	Jim Selph - Field Assessment	3/19/2007	Closed	8/9/2007	
338884-CAR-028-07	Drilling Subcontracts	3/19/2007	Closed	8/14/2007	

CONFIDENTIAL

CH2M HILL PROGRESS ENERGY COLA PROJECT CAR SUMMARY

CAR No.	Issue Topic	Date Initiated	CAR Status[1]	Date CAR Closed	Scheduled Completion Date If Open
338884-CAR-029-07	Attention to Implementing Field Workplan	3/19/2007	Closed	8/3/2007	
338884-CAR-030-07	Closure of Corrective Actions	4/26/2007	Open		1/31/2008
NEW CARs SINCE 2Q07 REPORT					
338884-CAR-031-07	Squad Check Review of Deliverables - Engineering Check and Calculation Check - Lack of Rigor	5/8/2007	Open		10/30/2007
338884-CAR-032-07	Squad Check Review of Deliverables - Software QA Issues	5/11/2007	Open		10/30/2007
338884-CAR-033-07	Squad Check Review of Deliverables - Calculations	5/8/2007	Open		10/30/2007
338884-CAR-034-07	Squad Check Review of Deliverables - M&TE Information	5/8/2007	Open		12/15/2007
338884-CAR-035-07	Squad Check Review of Deliverables - QA Records	5/8/2007	Open		10/30/2007
338884-CAR-036-07	Squad Check Review of Deliverables - Procedure Non-Compliance	5/8/2007	Open		12/15/2007
338884-CAR-037-07	Squad Check Review of Deliverables - Project Instruction Implementation Incomplete	5/8/2007	Open		10/1/2007
338884-CAR-038-07	Squad Check Review of Deliverables - Inadequate Follow Through of Commitments	5/11/2007	Open		10/30/2007
338884-CAR-039-07	Squad Check Review of Deliverables - Editorial Changes made to Calculation After Approval	5/11/2007	Open		10/30/2007
338884-CAR-040-07	M&TE Forms	6/25/2007	Open		9/21/2007
338884-CAR-041-07	M&TE Usage Log	6/25/2007	Open		9/21/2007
338884-CAR-042-07	Site Work Plan	6/25/2007	Open		9/25/2007
338884-CAR-043-07	Missing MSDSs	6/25/2007	Closed	8/29/2007	
338884-CAR-044-07	Work Plan Change Management	6/25/2007	Closed	9/4/2007	
338884-CAR-045-07	Validation Packages for ER Chapters 1 and 8	6/15/2007	Closed	9/6/2007	
338884-CAR-046-07	ER Chapter 3 Inconsistencies with FSAR and AP1000 Design Control Documents	6/15/2007	Closed	8/17/2007	
338884-CAR-047-07	Geomatrix Alternate Interpretation/ Correction of Source Data	5/17/2007	Closed	8/17/2007	
338884-CAR-048-07	Calculation Packages	8/16/2007	Open		9/25/2007
338884-CAR-049-07	Use of NUPIC Audits in Supplier Quality Evaluations	8/24/2007	Open		9/25/2007
338884-CAR-050-07	GIS Tracking Process Improvement	9/5/2007	Open		12/1/2007
338884-CAR-051-07	Field Safety Process Improvement	8/31/2007	Closed	9/4/2007	
338884-CAR-052-07	Technical Editing Process Improvement	8/31/2007	Open		9/26/2007
338884-CAR-053-07	Technical Editing/Review Process Improvement	8/29/2007	Closed	9/17/2007	
338884-CAR-054-07	Software QA Surveillance Findings	9/5/2007	Open		12/15/2007
338884-CAR-055-07	Document Control Procedure (NBG-QA-06-01) Surveillance Findings	9/5/2007	Open		9/25/2007
338884-CAR-056-07	Field Workplan Signatures	9/5/2007	Open		9/25/2007

[!] CONFIDENTIAL

CH2M HILL PROGRESS ENERGY COLA PROJECT CAR SUMMARY

CAR No.	Issue Topic	Date Initiated	CAR Status[1]	Date CAR Closed	Scheduled Completion Date If Open
338884-CAR-057-07	Document Control Number Assignment	9/6/2007	Open		9/25/2007
338884-CAR-058-07	Field Document Control	9/6/2007	Open		9/25/2007
338884-CAR-059-07	Document Control Number Requests	9/6/2007	Open		9/25/2007
338884-CAR-060-07	Training Log	9/6/2007	Open		9/25/2007
338884-CAR-061-07	Overdue Corrective Actions	9/7/2007	Open		9/25/2007
338884-CAR-062-07	Records Management	9/11/2007	Open		9/25/2007
338884-CAR-063-07	Records Management	9/11/2007	Open		9/25/2007
338884-CAR-064-07	ER Chapter 3 Inconsistencies with FSAR and AP1000 Design Control Documents (Follow-up Corrective Actions)	9/13/2007	Open		9/29/2007
338884-CAR-065-07	CAR VOIDED - SEE CAR 324884-CAR-017-07	N/A	N/A	N/A	N/A
338884-CAR-066-07	Training Surveillance 338884-SURV-022	9/13/2007	Open		9/29/2007
324884-CAR-015-07	Lead Auditor Qualification Records	9/6/2007	Closed	9/17/2007	
324884-CAR-016-07	Annual Assessment of Lead Auditor Qualifications	9/6/2007	Open		9/25/2007
324884-CAR-017-07	Incomplete and Untimely Disposition of CAR 338884-CAR-014-07	9/12/2007	Open		10/31/2007

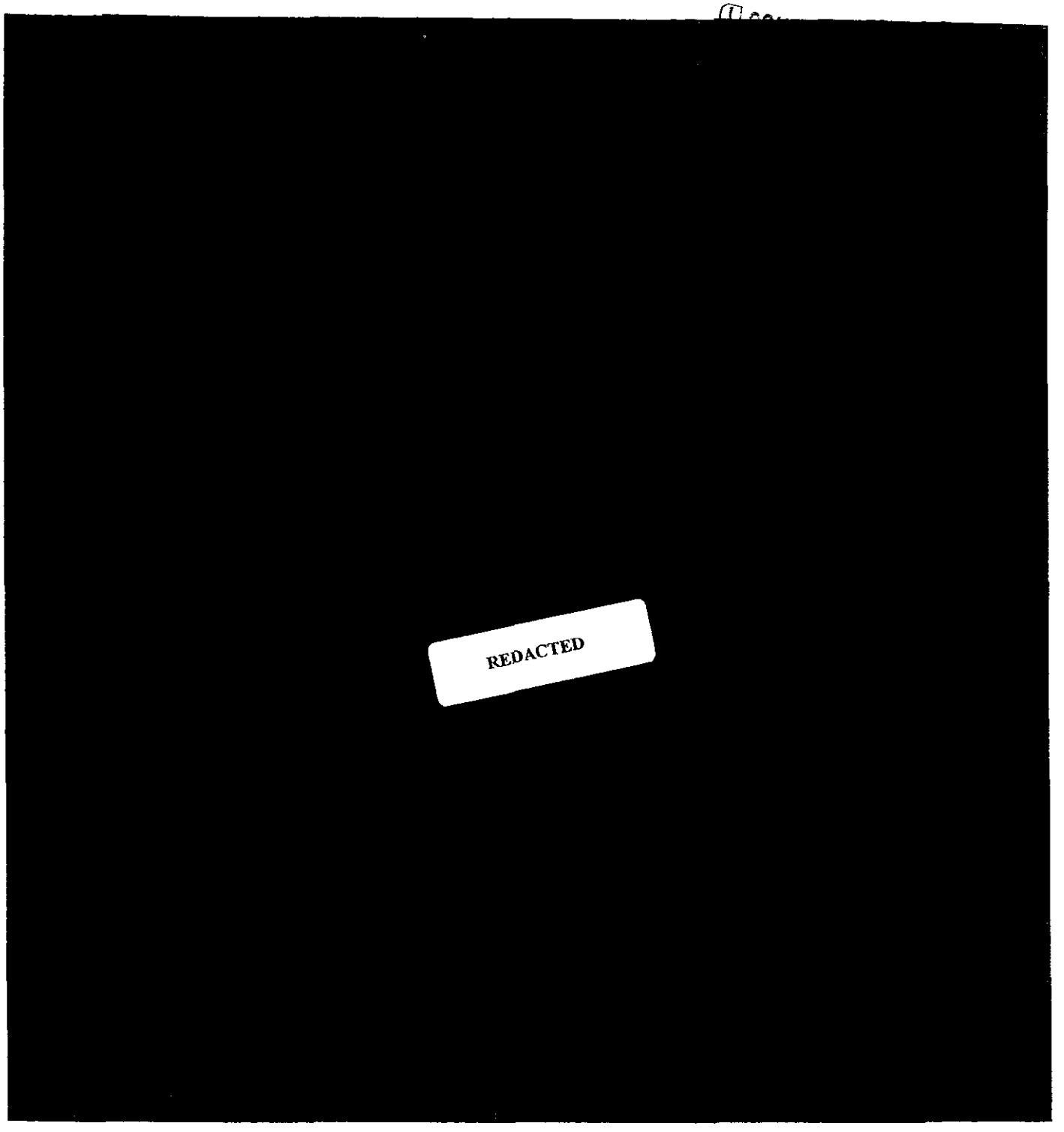
[1] Closed CARs 324884-CAR-001-07 through 3248884-CAR-013-07 and 338884-CAR-001-07 through 338884-CAR-023-07 will go through a Management Review Board in accordance with the Progress Energy Recovery Plan prior to 9/26/07.

Health and Safety Issues

Two Health and Safety incidences occurred since the last quarterly meeting:

1. At the LNP site, one of the workers slipped backwards off the drilling platform and bruised his back (8/23/07). He now is OK and released for work. The drilling rig had a small platform. The drilling contractor (ProSonic) built a bigger platform and put a railing on it so there will not be a repeat of the mishap. Rig modifications to address additional safety concerns identified were also completed prior to the start of the next shift on 09/05/07. The incident report related to worker injury was transmitted to Progress Energy.
2. CSA (Sea Grass Survey contractor) reported incidence of injury to a diver while she was climbing back on to the boat. No equipment defect was found. Incidence Report 2126-091307-01 Sea Grass Diver injury was submitted to Progress Energy.

In addition CH2M Hill has apprised their site crew of the Nine Mile Point where drilling crew struck a Methane pocket and the drilling was stopped until investigations are completed.


REDACTED

The outstanding LNP teamwork and accountability items discussed at the weekly telecon during the past 3 months are listed below. Note that all LNP teamwork and accountability items have been resolved except the Siren Study Impact Evaluation and CSA subcontractor approval.

- WA Amendment (Progress Energy February 2007) incorporating scopes/budgets approved through Impact Evaluations 13, 14, 25, 27, 28, 29, 30, and 33 has been approved by Progress Energy Management but has not been issued to the JV.
- RF 090 Design inputs for switchyard design (Progress Energy RFI 90 – March 31, 2007). The completion of the RFI response is delayed due to delays in completion of the transmission studies by Progress Energy Transmission Group.
- RF 154 (Progress Energy due June 23, 2007) Switchyard location and the number and directions of transmission lines from the switchyard. The completion of the RFI is delayed due to delays in decision making on transmission RF 090 (Progress Energy May 23, 2007) Switchyard conceptual design parameters
- Submittal of revised Impact Evaluation #50 (Aquatic Sampling) incorporating Progress Energy comments is late (CH2M Hill)
- Submittal of the Technical memorandum for site screening on T&E due 6/22/07 is late (CH2M Hill)
- Submittal of the Technical memorandum for Cultural Resources screening due 07/13/07 is late (CH2M Hill)
- JV has submitted the design parameters for use in the conceptual design of the switchyard for Progress Energy concurrence in lieu of RF 090 and RF 154. Progress Energy response is late.
- Impact Evaluation on Siren Study is late (Sargent & Lundy)
- Sea Grass survey initiated without CSA subcontractor approval (CH2M)
- JVT acceptance of WA 255934-02 Amendment 2 is delayed (WP)

CONFIDENTIAL

Quality Issues

The Quality issues since the last meeting were:

- The description of the Ultimate Heat sink in FSAR Section 2.3 is in error as pointed out by client. The same error was earlier identified by the JV parallel review of the technology descriptions in the CH2M deliverables.
- JV implemented an additional level of reviews at CH2M and then at JV for FSAR and ER Chapter prior to OAR submittal. This was in response to a large number of OAR comments on ER Chapter 3 and EP and erroneous UHS description in FSAR Section 2.3.
- WP internal QA audit report was provided to Progress Energy
- ER Chapter 2 submittal had missing figures and had more figures in the List of Figures than referenced in the text.
- Appendix D for FSAR Section 2.5 was missing from the submittal
- The EG0003 form attached to ER Chapter1 Revision D was not correct
- ER Chapter 7 validation package submitted for OAR had all pages numbered as page 1. The error has been corrected.
- CH2M Hill QA Recovery plan for Unistar audit findings and CH2M preparations for the joint Progress Energy-Unistar QA audit were discussed with Progress Energy.
- Progress Energy planned a QA audit CH2M Hill jointly with Unistar during the week of September 10, 2007. At the request of CH2M Hill, the audit was delayed to the week of October 1, 2007.
- Closure letter for Progress Energy's CH2M Hill March 2007 QA Audit was received (V&EQ No. 2007-61)
- NRC inspection of Progress Energy COLA contractors (JVT) is planned starting October 29, 2007. Breakout session on QA is planned at the September 20, 2007 quarterly project meeting to plan for the NRC audit
- JV QA Coordinating Committee (QACC) performed the annual QA assessment of QA program effectiveness required by the JV Project Manual. The assessment report was issued on September 14, 2007. Two PIPs were initiated.
- HAG-G2-GLC-010 calculation was submitted as final without the position description of the approver as required on the form
- References for FSAR 2.1-2.4 were not submitted with the page turn submittal
- Page numbering and footer error for validation for FSAR 2.4 page turn submittal
- WORD file for FSAR 2.3 submitted for page turn was corrupt

JVT QA PROGRAM EFFECTIVENESS REVIEW (August 2007)

CONCLUSIONS

1. Project management personnel from the JV parties indicate that the draft COLA is technically sound.
2. The QA Programs of S&L and of WorleyParsons have adequate controls that were effectively implemented.
3. The CH2M Hill QA Program deficiencies are addressed by interim compensatory measures under the auspices of the CH2M Hill corrective action program. Although this is not the desirable or most efficient approach, CH2M Hill's deliverables to Progress Energy and to other JV parties are acceptable. Nonetheless, the number and seriousness of the quality issues identified by Progress Energy and UniStar Nuclear were not promptly evaluated and corrected.
4. The interface among the three JV parties was found to be adequate with no identified gaps or redundancies.

Observations and PIPs

There were five observations related to the QA Coordinating Committee resulting from this effectiveness review.

1. The QA Coordinating Committee has not been sufficiently active. This resulted in a missed opportunity for the JV to assist CH2M Hill address quality issues before they resulted in an additional unsuccessful client audit.
2. The QA Coordinating Committee needs to better communicate results and activities to appropriate project personnel.
3. Participation in the QA Coordinating Committee should include occasional participation by others including JV project management and client personnel.
4. The Sargent & Lundy procedural controls for developing project quality plans including the establishment of QA Coordinating Committees (also known as Quality Councils) needs to be strengthened to incorporate the above lessons learned.
5. Assure strong coordination among the QA Coordinating Committee regarding the presentations to be provided to the NRC during their upcoming audit of the COLA contractors scheduled for the week of October 29, 2007

These observations are addressed in PIP No. 2007-0972 for corrective and preventive actions.

In addition, the following issue not directly related to the effectiveness review was identified: Revision 1 of Project Instruction PI-PE-002 titled "COLA Preparation Guidance, Writer's Guide and Style Guide", issued on March 31, 2007, is obsolete. (Initiated S&L PIP No. 2007-0973).

REDACTED

Project Budget and Invoicing Information

The invoicing as well as the payments for the invoices continues to be satisfactory. The summary of the project budget and invoicing are as follows:

- Current WA approved budget: Redacted
- Impact Evaluation approved budget: Redacted
- Total approved budget: Redacted
- Amount invoiced: Redacted
- Remaining approved budget: Redacted
- Amount received: Redacted
- Amount receivable: Redacted

PEF WA/Scope

WA Amendment 2 is ready to be returned by JVT

WA Amendment 2 Budget amount: $ Redacted

Approved through Impact Evaluations # 34, #35, #40, #43, #45, #50, #51, #52, #55, #56, #57, #58, #59, #61, #62, #64, #67, #68, #71: Redacted

Impact Evaluations #63, #69 pending Approval: Redacted

Revised Task descriptions for WA Amendment 3 will be submitted on October 6, 2007

PEF Potential New Scope:

- Expediting the COLA submittal to July 2008
- Evaluation of 6-months of Meteorological data and CHI/Q calculations to resolve the EAB distance related risk
- Soil Resistivity Measurements

Monthly Performance Summary — Month Ending August 2007

Task #	Description	Client Budget MH	Client Budget $	% Complete	% Scheduled	BCWS $	BCWP $	ACWP $	SPI $	CPI $
1	Prepare/Submit COLA, DCD Departure Report, and General and Administrative Requirements									
	Target Price	1,250		3%	0%					
2	Site Investigation and Seismic and Geotechnical Analysis - Subcontractor Scope									
	Target Price			62%	65%				0.95	0.96
3	FSAR Chapter 2 - Site Characteristics									
	Target Price	15,870		39%	55%				0.72	0.97
4	ER, Site Redress Plan, and EP									
	Target Price	23,870		22%	30%		Redacted		0.72	1.01
5	FSAR Technology Chapters 4, 5, 6, 7 and 12									
	Target Price	860		0%	0%					
6	FSAR Chapters 13, 14 and 16									
	Target Price	1,260		0%	0%					
7	FSAR Chapters 1, 3, 8, 17, 18 and 19									
	Target Price	3,840		0%	0%					
8	FSAR Chapters 9,10,11 and 15									
	Target Price	4,670	Redacted	3%	3%				0.94	1.08
9	Programs, Procedures and Plan Separate from FSAR									
	Target Price	2,940		0%	0%					
10	Conceptual Design separate from FSAR									
	Target Price	2,820		0%	3%		Redacted			
11	Project Management Activities									
	Target Price	15,860		35%	35%				1.01	1.21
12	Site Unique Scope not in RFP									
	Target Price	7,650		35%	35%				0.99	1.07
13	COLA Fieldwork									
	Target Price	21,750		72%	84%				1.00	1.00
	Total Target Price	102,640		43.0%	46.4%				0.92	1.01
	Total Direct Expenses including Travel			59.0%	59.0%					

Key:

- % Complete: This reflects the current stage of the task and thus helps gage the significance of the performance data.
- BCWS: Budgeted Cost of Work Scheduled: This reflects the value of the work that was to be complete by this point in time per the work plan.
- BCWP: Budgeted Cost of Work Performed: This reflects the value of the work that has been completed (Earned Value)
- ACWP: Actual Cost of Work Performed: This reflects the actual expenditure to date
- SPI: Schedule Performance Index (SPI = BCWP/BCWS): This reflects performance relative to project schedule. (> 1.0 indicates ahead of sch
- CPI: Cost Performance Index (CPI = BCWP/ACWP): This reflects performance relative to project budget. (>1.0 indicates under budget)

Fig P00

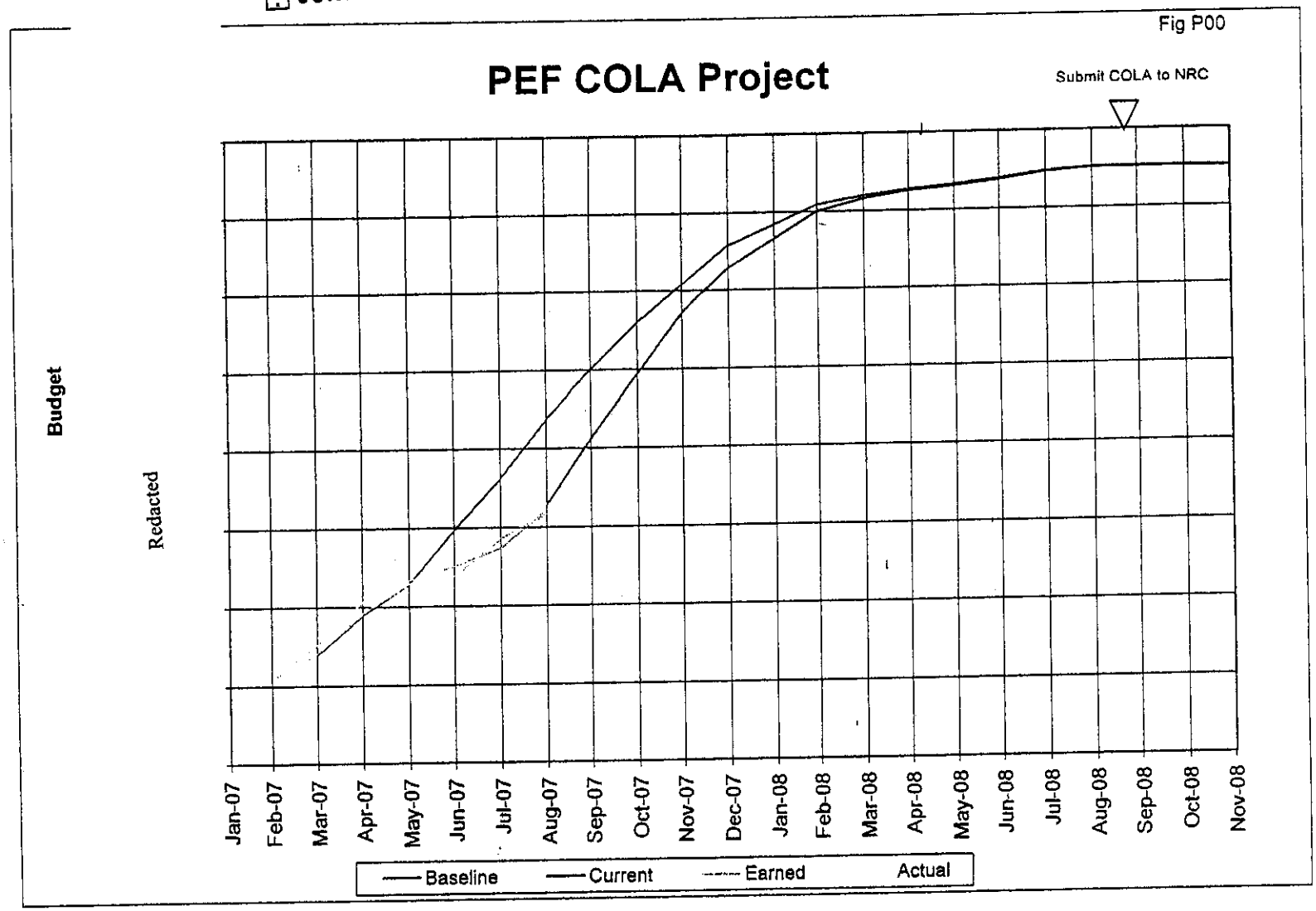
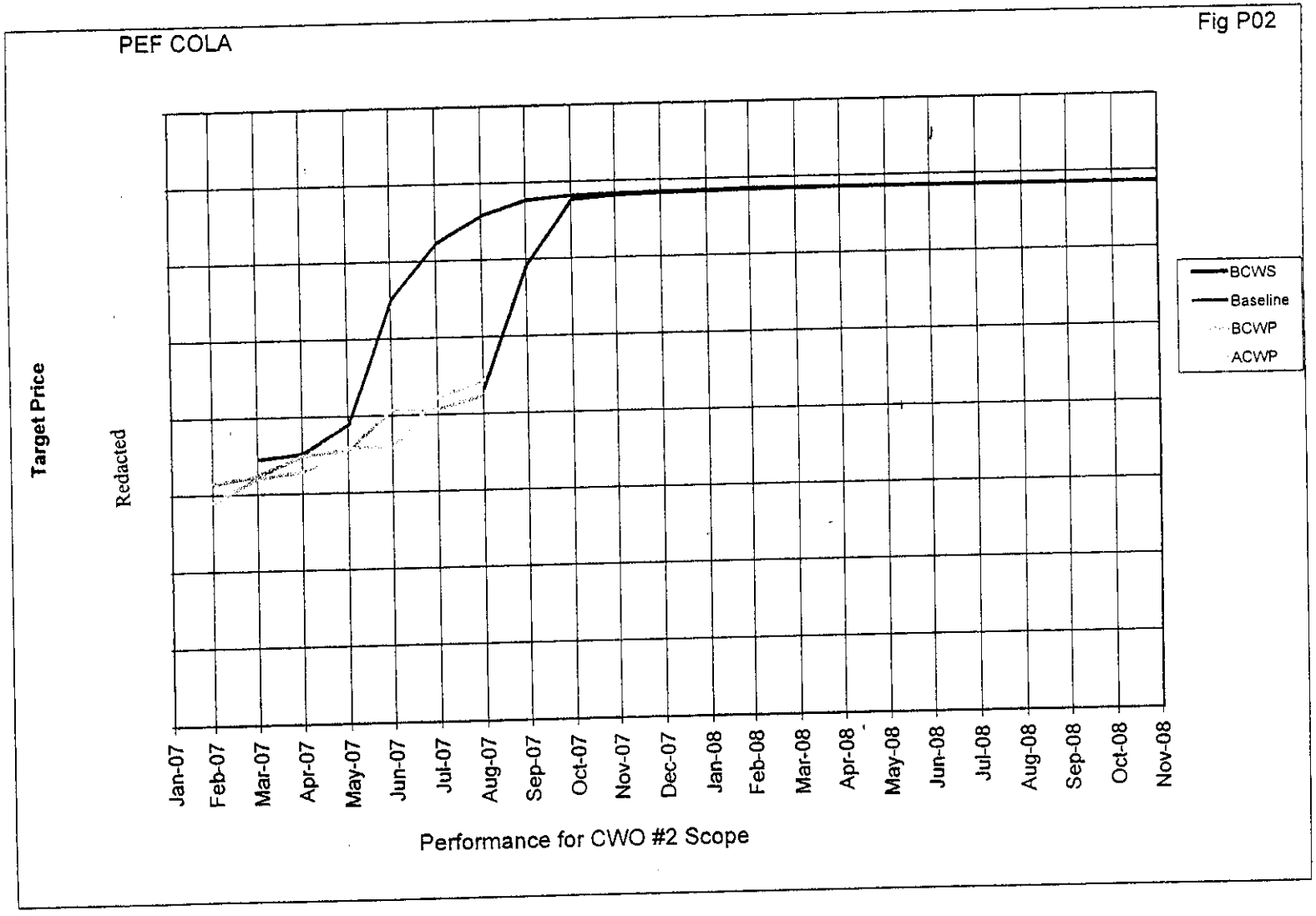

PEF COLA Project
Submit COLA to NRC
Budget
Redacted
Jan-07
Feb-07
Mar-07
Apr-07
May-07
Jun-07
Jul-07
Aug-07
Sep-07
Oct-07
Nov-07
Dec-07
Jan-08
Feb-08
Mar-08
Apr-08
May-08
Jun-08
Jul-08
Aug-08
Sep-08
Oct-08
Nov-08
Baseline
Current
Earned
Actual

Fig P02


PEF COLA
Target Price
Redacted
BCWS
Baseline
BCWP
ACWP
Jan-07
Feb-07
Mar-07
Apr-07
May-07
Jun-07
Jul-07
Aug-07
Sep-07
Oct-07
Nov-07
Dec-07
Jan-08
Feb-08
Mar-08
Apr-08
May-08
Jun-08
Jul-08
Aug-08
Sep-08
Oct-08
Nov-08
Performance for CWO #2 Scope

PEF COLA

Fig P03

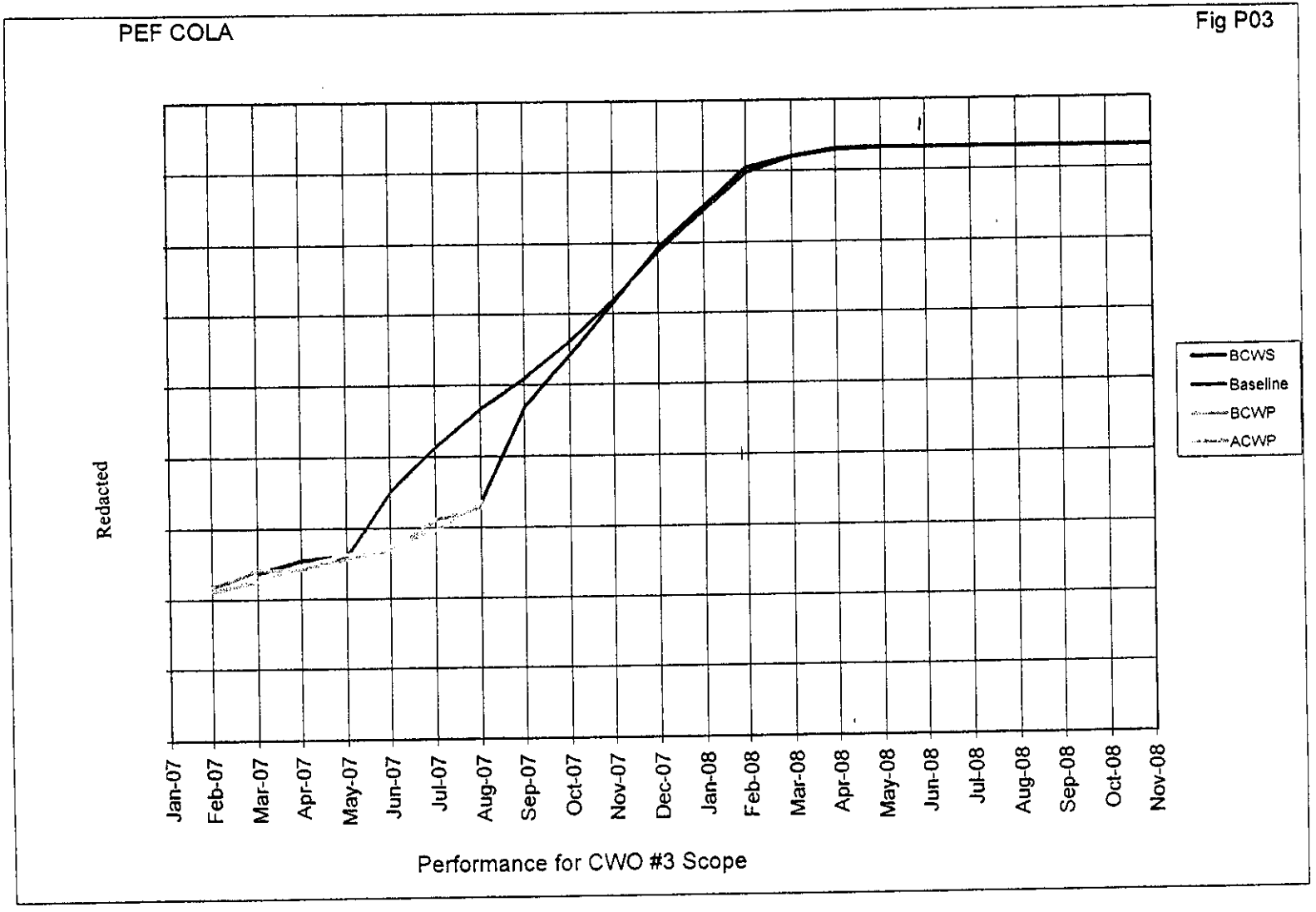
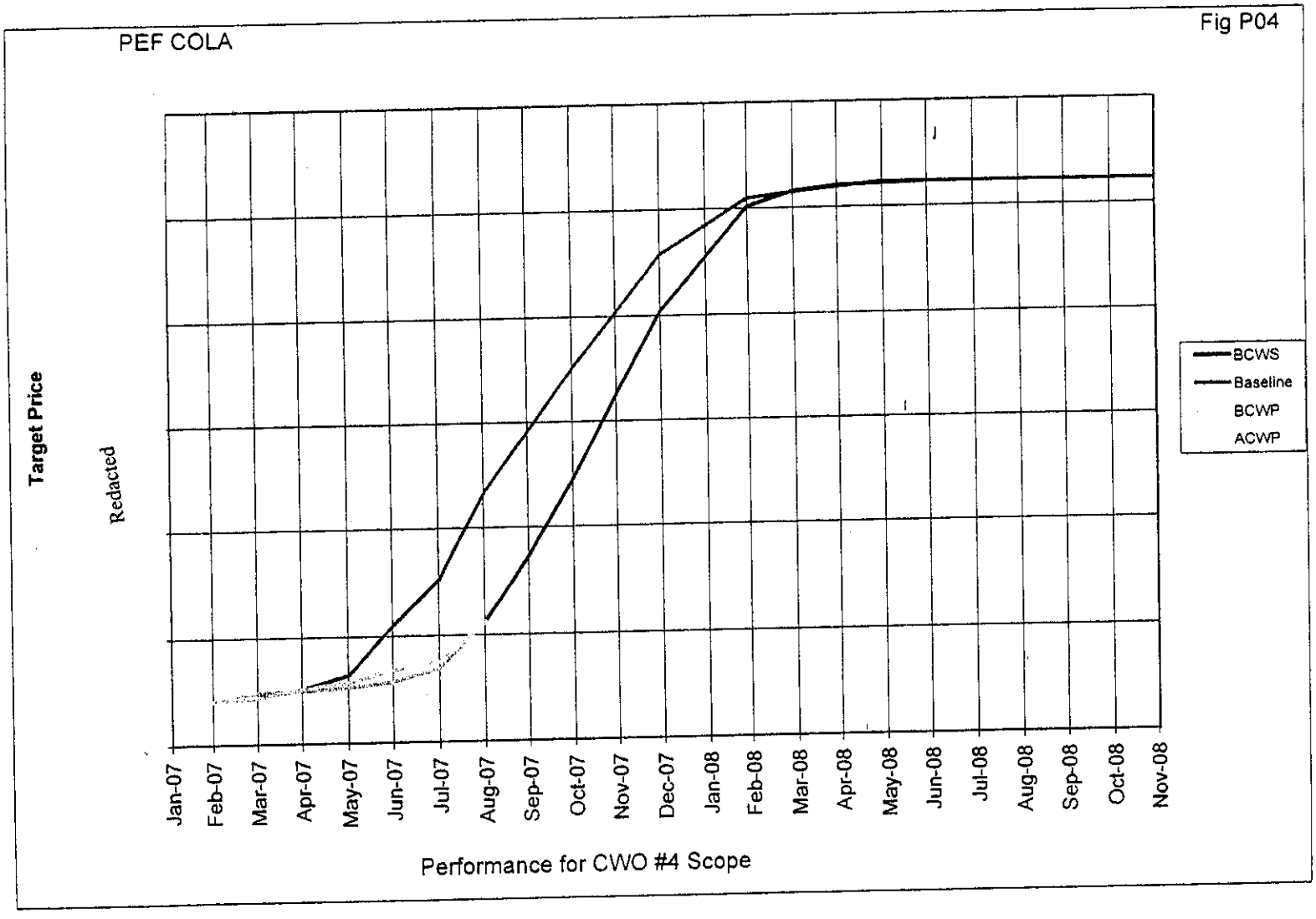


Fig P04

PEF COLA



PEF COLA

Fig P12

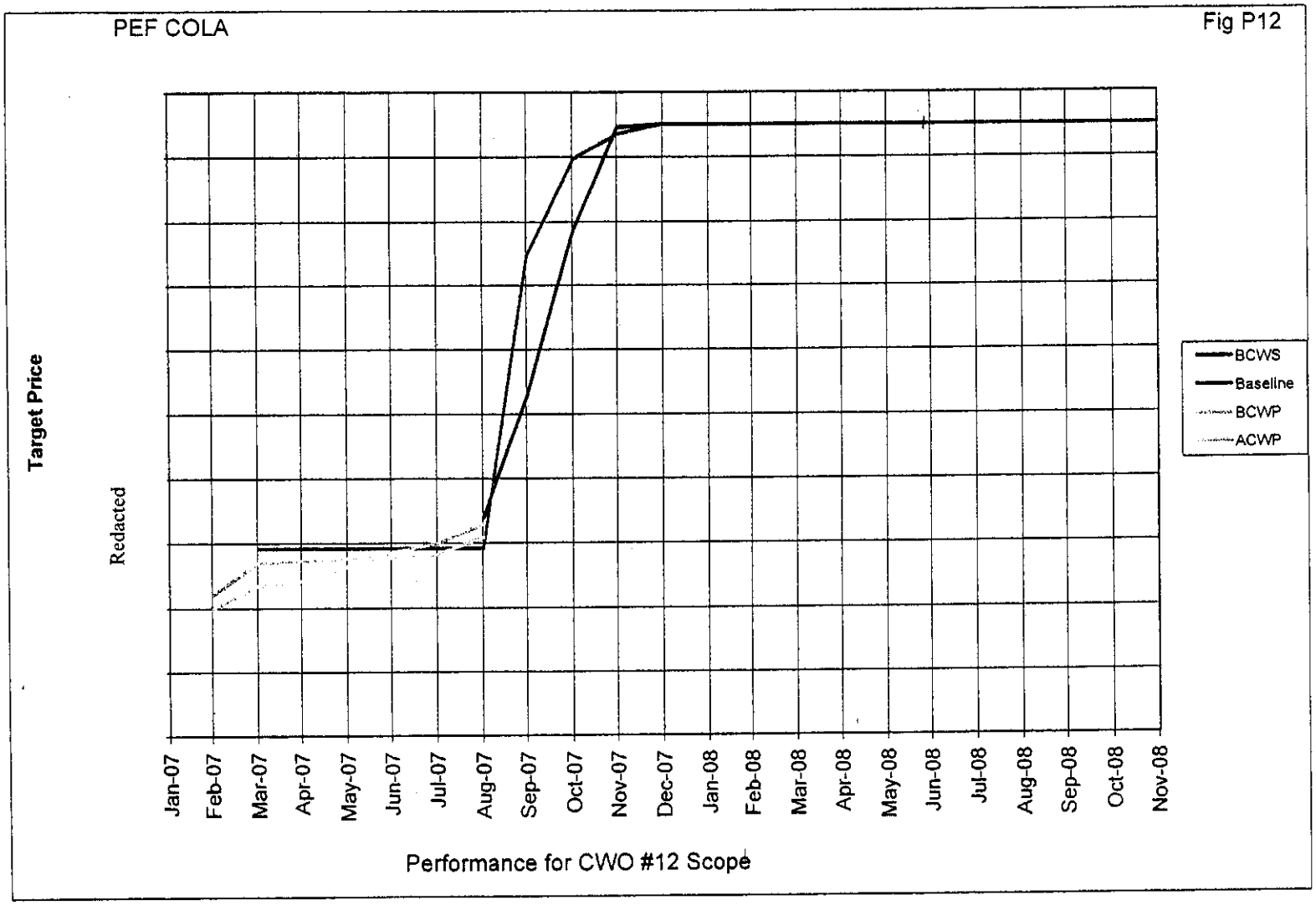
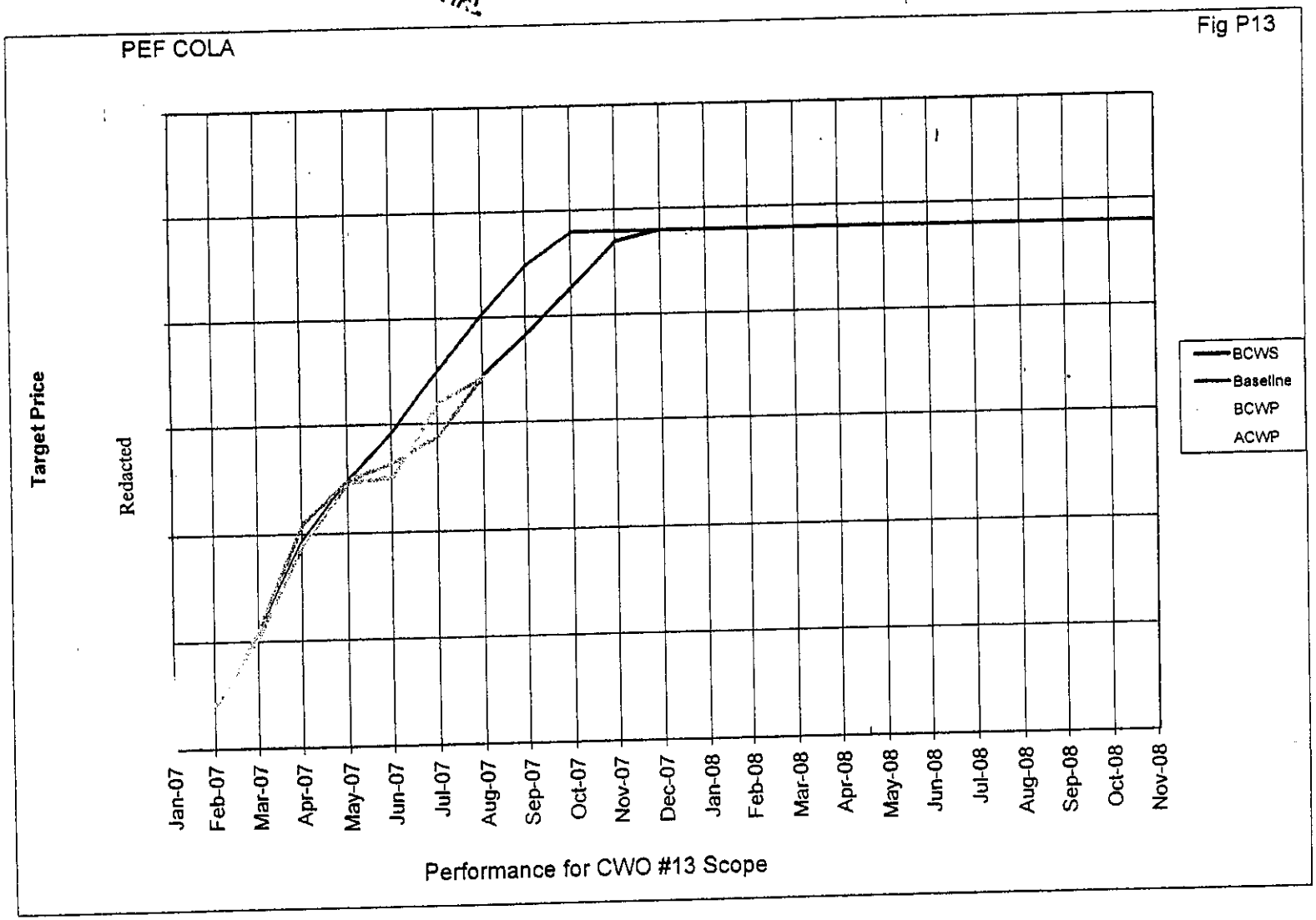
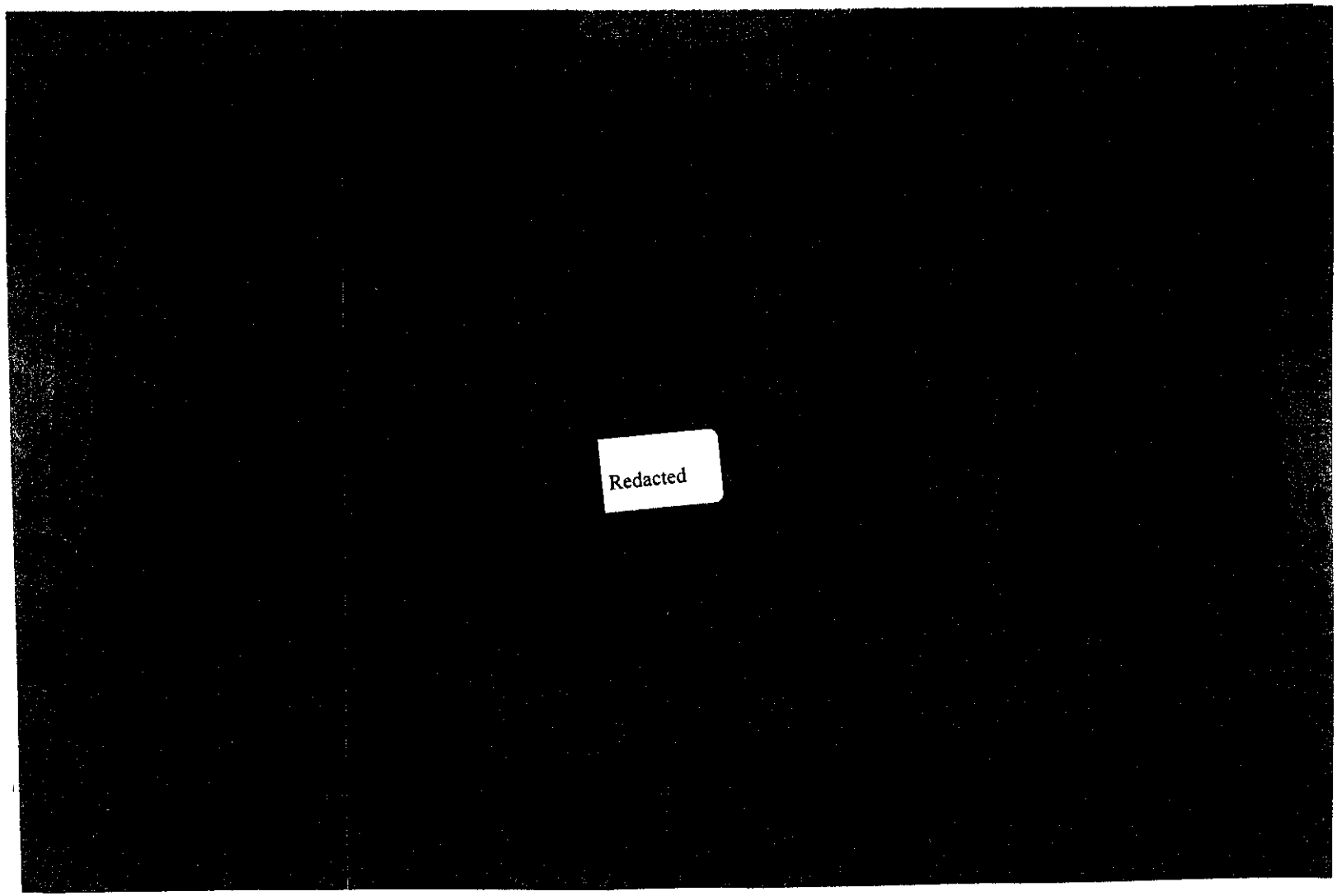


Fig P13


PEF COLA
Target Price
Redacted
BCWS
Baseline
BCWP
ACWP
Jan-07
Feb-07
Mar-07
Apr-07
May-07
Jun-07
Jul-07
Aug-07
Sep-07
Oct-07
Nov-07
Dec-07
Jan-08
Feb-08
Mar-08
Apr-08
May-08
Jun-08
Jul-08
Aug-08
Sep-08
Oct-08
Nov-08
Performance for CWO #13 Scope


Redacted

CONFIDENTIAL

Risk Matrix

Progress Energy is maintaining a Risk Matrix for PEF COLA. The JV provides inputs to this Risk Matrix. The risks associated with the LNP site are:

- Suitability of the founding substrata for the AP1000 structures
  - The soil/rock substrata properties not being bounded by the DCD values
  - The COLA fieldwork suggests variable site conditions especially "softer rock" and lower shear wave velocity beyond 175' - 200' at two reactor locations. Deep borings and shear wave velocity measurements have been initiated. If these deeper borings necessitate additional investigations, the COLA submittal may be delayed.
  - Karst investigation is in progress. If the karst investigation shows unfavorable conditions at the existing plant layout, the COLA submittal may be delayed.
- Safe distance from the site Boundary (EAB distance)
  - Initial analysis of the first six months of meteorological data from the Levy site has significantly more calms than similar data from Tampa Airport and Crystal River Meteorological Tower. This would result in EAB distance that will be beyond the Progress Energy owned property requiring additional provisions in the Emergency Plan and possible contentions. Evaluations are continuing.
- Engineering feasibility and environmental impacts of makeup water and blowdown discharge options
  - 316 thermal and biological issues with the Barge Canal intake and Gulf discharge. Initial meeting with FDEP did not identify any show stoppers. Aquatic sampling in the Barge Canal is in progress.
- Suitability of the founding substrata for the AP1000 structures
  - Depth and quality of rock layers and extent of remedial work that is required for the substrata
- Site wet and dry bulb temperatures with respect to AP1000 DCD design limits
  - Tier 1 and Tier 2 DCD updates to accommodate maximum wet bulb temperature at the site. Westinghouse has prepared a Topical Report addressing the subject for NRC endorsement.
- Site industrial hazards and safe distance to the plant from property boundary
  - Hazards from the 30" existing and 36" proposed gas pipelines. Refined analysis being performed shows that the pipelines hazard is acceptable.

PEF Key Project Decisions & Basis

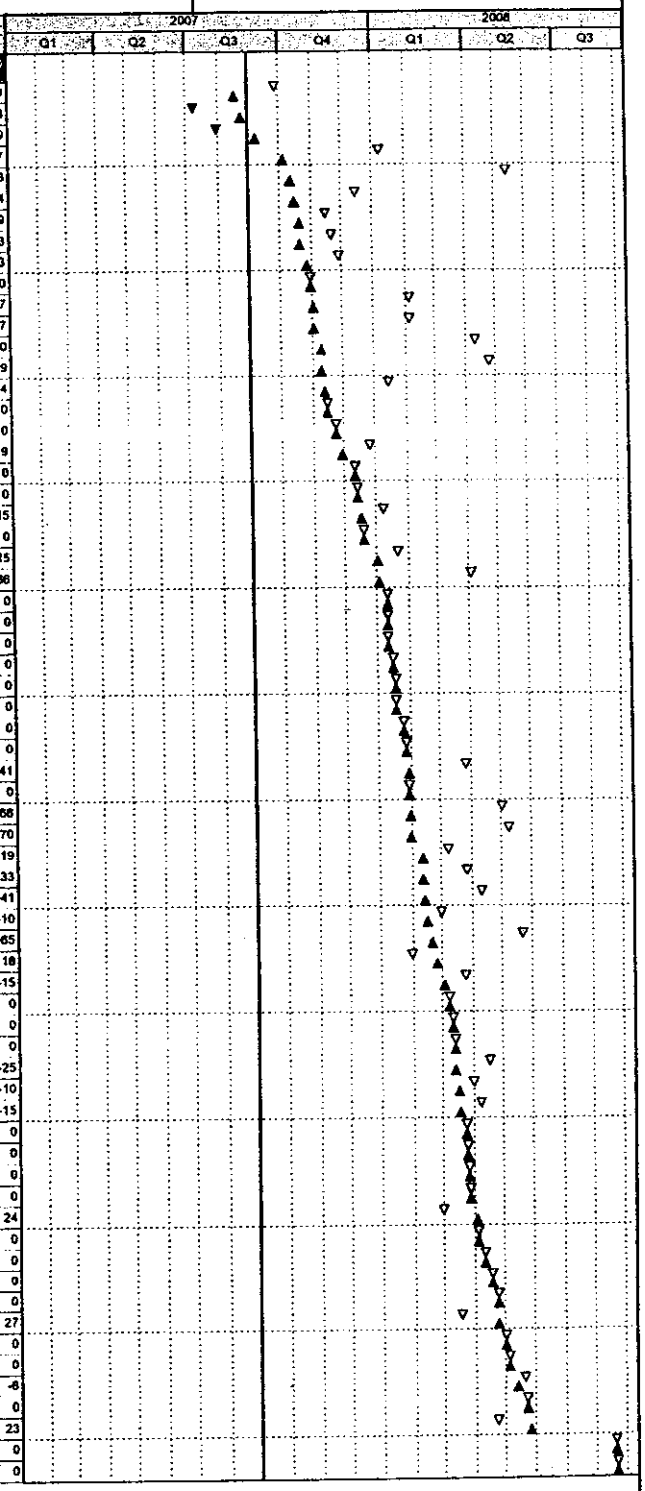
- Location and orientation of Units 1 & 2 – Phase 1 and COLA borings
- Linear Forced Draft Cooling Towers – economic analysis of alternates
- Location and orientation of cooling tower – wind analysis and alternative layouts
- Salt water for Cooling Water – memorandum
- Make-up Water Intake at the Barge Canal – memorandum (in review)
- Blowdown discharge to the gulf via the north bank of the barge canal - memorandum (in review)
- Approach to address new SRP 2.4 requirements on Tsunami – Memorandum
- Double walled pipe with leak detection for Blowdown piping – verbal
- Use of ground water for potable, demin, and Service Water Cooling Tower water – verbal
- Use 6-months of site recorded Met data augmented with 12 months of Tampa Airport data for initial draft of FSAR Section 2.3, FSAR Chater11, and ER Chapter 5 and then update with 12 months of site data from the site prior to COLA submittal - memorandum
- Conceptual foundation design, excavation, dewatering, and backfill – SSW scope – April 2007 meeting notes
- Switchyard – Combined Unit 1&2 500 Kv switchyard
- Transmission Lines – 2- 500 Kv lines to the South and 1-500 Kv line to the east
- Line voltage from Switchyard to RAT is 500 Kv
- Railroad to Dunnellon due east just North of the south property
- Conceptual foundation design – compacted fill for Nuclear Island , piles for all other buidings including the Turbine Building – e-mail from Southern
- Soil compaction test prior to COLA – e-mail from Southern

Project Schedule

The target LNP COLA submittal date is August 22, 2008 – the same as in the baseline schedule. However, as shown by the variance form the previous month (project schedule R8), the schedule for several deliverables are further delayed resulting in back loading of the schedule. For near critical path tasks (float <22 days) the additional delays from project schedule R8 are:

- The fieldwork for the deep holes is 9 days behind schedule due to difficulties in achieving production rates and to keep the holes open for geophysical measurements.
- Vibratory Ground Motion report completion is delayed an additional 29 days due to insufficient progress. The delays in obtaining deep hole geophysical data will also delay the completion of the vibratory ground motion report.
- The final design inputs to Westinghouse to close COL Item 2.5-3 is delayed an additional 29 days due to the delay in completion of the Vibratory Ground Motion report
- Evaluation of site-specific hazards (COL Item 2.2.-1) is delayed an additional 53 days because of delays in gathering of design inputs
- ER Chapter 3 completion is delayed an additional 86 days due to insufficient progress and resource assignment
- ER Chapter 7 completion is delayed an additional 19 days due to insufficient progress
- Site Redress Plan completion is delayed an additional 50 days due to insufficient progress and resource assignment
- FSAR Chapter 8 completion is delayed an additional 17 days due to delays in initiating the switchyard conceptual design

Task Name	Finish	Baseline Finish	BL Var
LNP COLA - PEF R-09	08/22/08	08/22/08	0
Owner Review Process ER Chp 1	09/27/07	08/17/07	-29
OAR for GA	07/09/07 A	08/23/07	34
Finalize GA	07/31/07 A	09/07/07	29
Issue Switchyard Conceptual Design for OAR	01/07/08	10/04/07	-67
Owner Review Process Chp 3	05/13/08	10/11/07	-153
OAR - CWS & Makeup Water System	12/14/07	10/15/07	-44
Owner Review Process ER Chp 8	11/15/07	10/19/07	-19
Owner Review	11/21/07	10/19/07	-23
Incorporate Owner Review Comments/Finalize EP	11/28/07	10/26/07	-23
NuStart COLA submitted	10/31/07	10/31/07	0
Switchyard Layout and Design	02/05/08	11/02/07	-67
Issue Finalize Conceptual Design of Switchyard	02/05/08	11/02/07	-67
Tech Edit / Finalize Section 2.2	04/10/08	11/06/07	-110
Owner Review Process ER Chp 7	04/24/08	11/09/07	-119
Issue Finalize Conceptual Design of CWS & Make up System	01/14/08	11/13/07	-44
Oar - Chapter 17	11/15/07	11/15/07	0
Issue Finalize Chapter 8	11/23/07	11/23/07	0
Owner Review Process ER Chp 10	12/26/07	11/29/07	-19
OAR Issue Chapter 7	12/11/07	12/11/07	0
OAR - Chapter 9	12/13/07	12/13/07	0
OAR - Chapter 6	01/07/08	12/17/07	-15
Issue Finalize Chapter 7	12/19/07	12/19/07	0
Issue Finalize Chapter 6	01/22/08	01/01/08	-15
OAR - Chapter 8	04/03/08	01/02/08	-66
OAR Chapter 12	01/10/08	01/10/08	0
Issue Finalize Chapter 9	01/11/08	01/11/08	0
OAR - Chapter 1	01/11/08	01/11/08	0
OAR - Chapter 14	01/15/08	01/15/08	0
OAR - Chapter 5	01/17/08	01/17/08	0
Issue Finalize Chapter 12	01/18/08	01/18/08	0
Issue Finalize Chapter 5	01/25/08	01/25/08	0
Issue Finalize Chapter 1	01/28/08	01/28/08	0
Issue Vibratory Ground Motion Report for OAR	03/26/08	01/29/08	-41
Issue Finalize Chapter 14	01/30/08	01/30/08	0
Issue Finalize Chapter 8	05/02/08	01/31/08	-66
Owner Review Site Redress	05/06/08	01/31/08	-70
Owner Review Process ER Chp 9	03/07/08	02/11/08	-19
Tech Edit/Assemble FSAR Section 2.5	03/27/08	02/11/08	-33
Issue Finalize Vibratory Ground Motion Report	04/10/08	02/13/08	-41
OAR - FSAR Chapter 15	02/29/08	02/15/08	-10
Owner Review Process ER Chp 2	05/21/08	02/20/08	-65
Tech Edit / Finalize Section 2.4	01/31/08	02/25/08	18
OAR - Chapter 16	03/24/08	03/03/08	-15
OAR Chapter 13	03/07/08	03/07/08	0
OAR -Chapter 18	03/11/08	03/11/08	0
OAR - Chapter 3	03/13/08	03/13/08	0
Owner Review Process ER Chp 4	04/17/08	03/13/08	-25
Issue Finalize FSAR Section 15	03/31/08	03/17/08	-10
Issue Finalize Chapter 16	04/08/08	03/18/08	-15
Issue Finalize Chapter 13	03/24/08	03/24/08	0
Issue Finalize Chapter 18	03/26/08	03/26/08	0
OAR - Chapter 19	03/27/08	03/27/08	0
Issue Finalize Chapter 3	03/28/08	03/28/08	0
Tech Edit / Finalize Section FSAR Section 2.1	02/29/08	04/03/08	24
Submit Security Plan for Progress Energy OAR	04/04/08	04/04/08	0
Issue Finalize Chapter 19	04/11/08	04/11/08	0
OAR - Chapter 10	04/18/08	04/18/08	0
OAR - Chapter 11	04/24/08	04/24/08	0
Tech Edit / Finalize Meteorology Section 2.3	03/18/08	04/24/08	27
Issue Security Plan	05/02/08	05/02/08	0
Issue Finalize FSAR Chapter 10	05/05/08	05/05/08	0
Owner Review Process ER Chp 6	05/20/08	05/13/08	-6
Issue Finalize FSAR Chapter 11	05/23/08	05/23/08	0
Owner Review Process ER Chp 5	04/23/08	05/26/08	23
Submit Final COLA to NRC	08/21/08*	08/21/08	0
Assemble Final COL Application	08/22/08	08/22/08	0

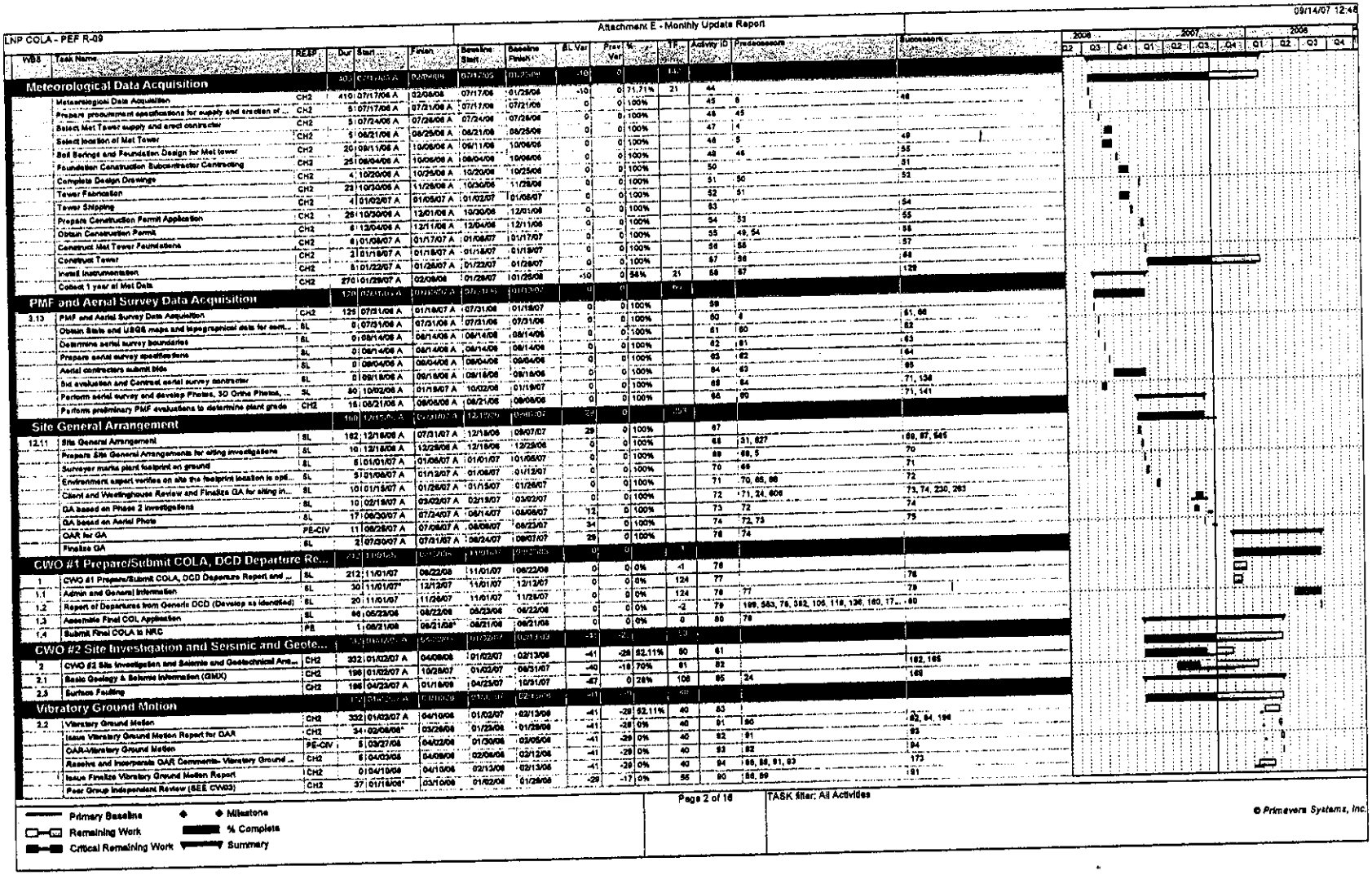


▽ Milestone
▲ Baseline
▼ Actual

LNP COLA - PEF R-09
Attachment D- Milestone Summary Report

CONFIDENTIAL

CONFIDENTIAL



09/14/07 12:46

LNP COLA - PEF R-09

Attachment E - Monthly Update Report

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var	Prev Var	%	TF	Activity ID	Predecessors	Successors
	Meteorological Data Acquisition		383	07/17/06 A	01/25/08	07/17/06	01/25/08	-10	0		21			
	Meteorological Data Acquisition	CH2	410	07/17/06 A	02/08/08	07/17/06	01/25/08	-10	0	71.71%	21	44		48
	Prepare procurement specifications for supply and erection of ...	CH2	5	07/17/06 A	07/21/06 A	07/17/06	07/21/06	0	0	100%		45	6	
	Select Met Tower supply and erect contractor	CH2	5	07/24/06 A	07/28/06 A	07/24/06	07/28/06	0	0	100%		46	45	
	Select location of Met Tower	CH2	5	08/21/06 A	08/25/06 A	08/21/06	08/25/06	0	0	100%		47	4	49
	Soil Borings and Foundation Design for Met tower	CH2	20	09/11/06 A	10/06/06 A	09/11/06	10/06/06	0	0	100%		48	5	55
	Foundation Construction Subcontractor Contracting	CH2	25	09/04/06 A	10/06/06 A	09/04/06	10/06/06	0	0	100%		49	46	51
	Complete Design Drawings	CH2	4	10/20/06 A	10/25/06 A	10/20/06	10/25/06	0	0	100%		50		52
	Tower Fabrication	CH2	23	10/30/06 A	11/28/06 A	10/30/06	11/28/06	0	0	100%		51	50	
	Tower Shipping	CH2	4	01/02/07 A	01/05/07 A	01/02/07	01/05/07	0	0	100%		52	51	54
	Prepare Construction Permit Application	CH2	26	10/30/06 A	12/01/06 A	10/30/06	12/01/06	0	0	100%		53		55
	Obtain Construction Permit	CH2	5	12/04/06 A	12/11/06 A	12/04/06	12/11/06	0	0	100%		54	53	56
	Construct Met Tower Foundations	CH2	6	01/08/07 A	01/17/07 A	01/08/07	01/17/07	0	0	100%		55	49, 54	57
	Construct Tower	CH2	2	01/18/07 A	01/19/07 A	01/18/07	01/19/07	0	0	100%		56	55	58
	Install Instrumentation	CH2	5	01/22/07 A	01/26/07 A	01/22/07	01/26/07	0	0	100%		57	56	59
	Collect 1 year of Met Data	CH2	270	01/29/07 A	02/08/08	01/26/07	01/25/08	-10	0	54%	21	58	57	129
	PMF and Aerial Survey Data Acquisition		129	07/31/06 A	01/18/07 A	07/31/06	01/18/07	0	0					
3.13	PMF and Aerial Survey Data Acquisition	CH2	125	07/31/06 A	01/18/07 A	07/31/06	01/18/07	0	0	100%		59		
	Obtain State and USGS maps and topographical data for sent...	SL	0	07/31/06 A	07/31/06 A	07/31/06	07/31/06	0	0	100%		60	4	61, 66
	Determine aerial survey boundaries	SL	0	08/14/06 A	08/14/06 A	08/14/06	08/14/06	0	0	100%		61	60	62
	Prepare aerial survey specifications	SL	0	08/14/06 A	08/14/06 A	08/14/06	08/14/06	0	0	100%		62	61	63
	Aerial contractors submit bids	SL	0	08/04/06 A	08/04/06 A	08/04/06	08/04/06	0	0	100%		63	62	64
	Bid evaluation and Contract aerial survey contractor	SL	0	08/18/06 A	08/18/06 A	08/18/06	08/18/06	0	0	100%		64	63	65
	Perform aerial survey and develop Photos, 3D Ortho Photos, ...	SL	80	10/02/06 A	01/18/07 A	10/02/06	01/19/07	0	0	100%		65	64	71, 138
	Perform preliminary PMF evaluations to determine plant grade	CH2	15	08/21/06 A	09/08/06 A	08/21/06	09/08/06	0	0	100%		66	60	71, 141
	Site General Arrangement		168	12/15/06 A	07/31/07 A	12/15/06	08/07/07	22	0					
12.11	Site General Arrangement	SL	162	12/15/06 A	07/31/07 A	12/15/06	08/07/07	29	0	100%		67		
	Prepare Site General Arrangements for siting investigations	SL	10	12/15/06 A	12/28/06 A	12/15/06	12/28/06	0	0	100%		68	31, 627	69, 87, 545
	Surveyer marks plant footprint on ground	SL	5	01/01/07 A	01/05/07 A	01/01/07	01/05/07	0	0	100%		69	68, 5	70
	Environment expert verifies on site the footprint location is opt...	SL	5	01/08/07 A	01/12/07 A	01/08/07	01/12/07	0	0	100%		70	69	71
	Client and Westinghouse Review and Finalize GA for siting in...	SL	10	01/15/07 A	01/26/07 A	01/15/07	01/26/07	0	0	100%		71	70, 65, 66	72
	GA based on Phase 2 investigations	SL	10	02/19/07 A	03/02/07 A	02/19/07	03/02/07	0	0	100%		72	71, 24, 606	73, 74, 230, 283
	GA based on Aerial Photo	SL	17	06/30/07 A	07/24/07 A	06/14/07	08/06/07	12	0	100%		73	72	74
	QAR for GA	PE-CIV	11	06/25/07 A	07/09/07 A	06/09/07	06/23/07	34	0	100%		74	73, 73	75
	Finalize GA	SL	2	07/30/07 A	07/31/07 A	08/24/07	08/07/07	29	0	100%		75	74	
	CWO #1 Prepare/Submit COLA, DCD Departure Re...		212	11/01/07	08/22/08	11/01/07	08/22/08	0	0					
1	CWO #1 Prepare/Submit COLA, DCD Departure Report and ...	SL	212	11/01/07	08/22/08	11/01/07	08/22/08	0	0	0%	-1	76		78
1.1	Admin and General Information	SL	30	11/01/07*	12/13/07	11/01/07	12/13/07	0	0	0%	124	77		79
1.2	Report of Departures from Generic DCD (Develop as identified)	SL	20	11/01/07	11/26/07	11/01/07	11/25/07	0	0	0%	-2	78	77	80
1.3	Assemble Final COL Application	SL	66	05/23/08	08/22/08	05/23/08	08/22/08	0	0	0%	0	79	189, 553, 76, 382, 106, 116, 136, 160, 17...	
1.4	Submit Final COLA to NRC	PE	1	08/21/08	08/21/08*	08/21/08	08/21/08	0	0	0%	0	80	79	
	CWO #2 Site Investigation and Seismic and Geote...		332	01/02/07 A	04/08/08	01/02/07	02/13/08	-41	-28	82.11%	80	81		
2	CWO #2 Site Investigation and Seismic and Geotechnical Are...	CH2	332	01/02/07 A	04/08/08	01/02/07	02/13/08	-41	-28	82.11%	80	81		182, 186
2.1	Basic Geology & Seismic Information (GMX)	CH2	196	01/02/07 A	10/25/07	01/02/07	08/31/07	-40	-18	70%	81	82		188
2.3	Surface Faulting	CH2	186	04/23/07 A	01/18/08	04/23/07	02/13/08	-47	0	28%	108	85	24	
	Vibratory Ground Motion		332	01/02/07 A	04/08/08	01/02/07	02/13/08	-41	-28	82.11%	80	83		
2.2	Vibratory Ground Motion	CH2	332	01/02/07 A	04/10/08	01/02/07	02/13/08	-41	-28	82.11%	80	83		83, 84, 194
	Issue Vibratory Ground Motion Report for OAR	CH2	34	02/06/08*	03/26/08	01/22/08	01/29/08	-41	-28	0%	40	91	90	93
	OAR-Vibratory Ground Motion	PE-CIV	5	03/27/08	04/02/08	01/30/08	02/05/08	-41	-28	0%	40	92	91	94
	Resolve and Incorporate OAR Comments- Vibratory Ground ...	CH2	5	04/03/08	04/09/08	02/06/08	02/12/08	-41	-28	0%	40	93	92	173
	Issue Finalize Vibratory Ground Motion Report	CH2	0	04/10/08	04/10/08	02/13/08	02/13/08	-41	-28	0%	40	94	86, 88, 91, 93	181
	Peer Group Independent Review (SEE CW03)	CH3	37	01/18/08*	03/10/08	01/02/08	01/25/08	-29	-17	0%	55	90	88, 89	

TASK filter: All Activities

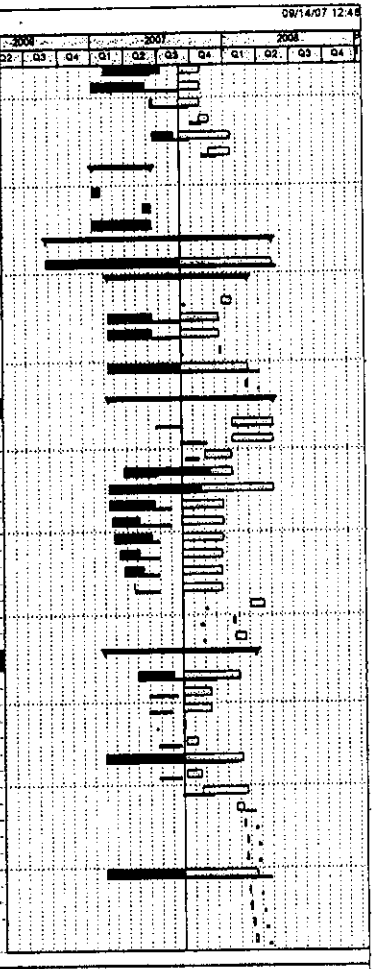
Primary Baseline · Milestone · Remaining Work · % Complete · Critical Remaining Work · Summary

© Primavera Systems, Inc.

CONFIDENTIAL

LNP COLA - PEF R-09 | Attachment E - Monthly Update Report | 09/14/07 12:48

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	SL Var	Prev Var	%	TF	Activity ID	Predecessors	Successors
	Update Earthquake Catalog	CH2	188	02/05/07 A	10/25/07	02/05/07	05/15/07	-64	0	80%	55	84		87, 88
2.2	Compile and Review Existing Data for Seismic Sou	CH2	213	01/02/07 A	10/25/07	01/02/07	04/31/07	-58	0	50%	55	85		86, 87
	Evaluate Existing EPRI Model/PSHA Sensitivity	CH2	95	06/15/07 A	10/25/07	06/15/07	09/28/07	-19	0	5%	55	86	85	87
	Perform Updated PSHA and Develop Hard Rock Motion	CH2	17	10/26/07*	11/16/07	10/01/07	10/31/07	-13	0	0%	55	87	84, 85, 86	88
	Write Section 2.5.2	CH2	154	06/18/07 A	01/17/08	06/18/07	09/28/07	-78	0	26%	55	88	84	90, 94
	Perform Site Response and Develop SSE	CH2	43	11/20/07	01/17/08*	11/01/07	12/14/07	-24	0	0%	55	89	87	90, 94
	Stability Of Subsurface Materials & Foundations													
2.7	Workplan	CH2	18	01/03/07 A	01/29/07 A	01/03/07	01/29/07	0	0	100%		97	89	
	Phase 3 Field Work Decision	CH2	19	06/22/07 A	08/15/07 A	06/22/07	08/15/07	1	0	100%		96		
2.4	Stability Of Subsurface Materials & Foundations	CH2	117	01/03/07 A	06/15/07 A	01/03/07	06/15/07	1	1	100%		98		
	FSAR Chapter 2 - Site Characteristics In-house Sc...													
3	FSAR Chapter 2 - Site Characteristics In-house Scope	CH2	444	06/28/06 A	05/08/08	06/28/06	05/20/08	8	-7	68.46%	78	99		
	Geography & Demography													
	Incorp. Senior Review Comments	CH2	20	12/24/07	01/18/08	08/07/07	08/13/07	-91	-69	0%	82	104	100	106
	Site Location & Description	CH2	166	02/12/07 A	12/14/07	02/12/07	08/30/07	-76	-54	40%	28	101	13	102, 103, 107
	Population Distribution	CH2	166	02/12/07 A	12/14/07	02/12/07	08/30/07	-76	-54	40%	28	102	101	103, 557, 560, 562, 564
	Tech/Licensing Review	CH2	5	12/17/07	12/21/07	08/31/07	09/06/07	-78	-54	0%	82	103	101, 102	104
3.1	Geography & Demography FSAR 2.1	CH2	278	02/13/07 A	02/29/08	02/13/07	04/03/08	24	20	92.36%	57	100		
	Tech Edit / Finalize Section FSAR Section 2.1	CH2	5	02/25/08	02/29/08	03/28/08	04/03/08	24	20	0%	57	105	104, 127, 132	79
	Site Characteristics - nearby facilities													
	Evaluation Of Potential Accidents	WP	80	01/18/08	05/08/08	08/22/07	08/30/07	-101	-63	0%	78	114	113	115
	WP to Confirm Limiting Building Overpressure Based on Site...	WP	80	01/18/08	05/08/08	08/30/07	11/07/07	-132	-63	0%	78	115	114, 116	
	Prepare Draft FSAR Section 2.2	CH2	84	11/02/07*	01/18/08	08/10/07	10/16/07	-64	-43	0%	28	116	128	117, 132, 115
	CH to Identify Site-specific Hazards to WP (COL Item 2.2-1)	CH2	182	03/26/07 A	01/17/08	03/26/07	08/29/07	-148	-22	80%	78	113	112	114
3.2	Site Characteristics - nearby facilities FSAR 2.2	CH2	324	02/13/07 A	06/06/08	02/13/07	11/06/07	-190	-18	58.17%	78	106		
	Locations & Routes	CH2	226	02/12/07 A	12/24/07*	02/12/07	07/31/07	-104	0	40%	78	107	101, 266	108
	Descriptions of all Facilities within 6 mile	CH2	221	02/19/07 A	12/24/07*	02/19/07	07/31/07	-104	0	25%	78	108	107	109
	Pipelines	CH2	214	02/26/07 A	12/20/07*	02/26/07	08/29/07	-124	0	35%	78	109	108	110
	Waterways	CH2	202	03/12/07 A	12/18/07*	03/12/07	08/29/07	-122	0	20%	78	110	109	111
	Airports	CH2	182	03/26/07 A	12/18/07*	03/26/07	08/29/07	-122	0	20%	78	111	110	112
	Projections for Industrial Growth	CH2	172	04/23/07 A	12/18/07	04/23/07	08/29/07	-122	0	0%	78	112	111	113
	Tech Edit / Finalize Section 2.2	CH2	28	03/04/08	04/10/08	11/02/07	11/08/07	-110	5	0%	28	119	118	79
	Tech/Licensing Review	CH2	5	01/17/08	01/23/08	10/19/07	10/25/07	-64	10	0%	28	117	116	118
	Incorp. Senior Review Comments	CH2	18	01/24/08	02/18/08	10/26/07	11/01/07	-77	10	0%	28	118	117	119
	Meteorology													
	Collect local meteorological data from existing sites (Onsite da...	CH2	177	04/30/07 A	02/01/08*	04/30/07	11/30/07	-46	-23	36%	37	121		122
	Local Meteorology (COL Item 2.3-2)	CH2	86	08/31/07*	11/16/07	08/31/07	09/18/07	-58	-23	0%	202	123		124
	Regional Climatology (COL Item 2.3-1)	CH2	56	08/31/07	11/16/07	08/31/07	07/31/07	-78	-28	0%	202	124	123	
	CH Provide Onsite Meteorological Data Input for CH/Q to WP	CH2	5	08/31/07*	09/06/07	08/16/07	08/22/07	-64	-12	0%	21	128	122	126, 127
	Short-Term Diffusion Estimates (COL Item 2.3-4)	WP	23	09/07/07*	10/09/07	08/25/07	09/24/07	-92	-12	0%	28	126	125	116, 128, 576
	Onsite Data Collection (1yr)	CH2	270	01/29/07 A	03/08/08	01/29/07	01/29/08	-10	0	56%	37	122	121	128, 572
	Long-Term Diffusion Estimates (COL Item 2.3-5)	CH2	31	09/07/07*	10/18/07	08/25/07	09/24/07	-40	0	0%	21	127	126	105, 128, 557, 560
	Prepare Draft FSAR Section 2.3	CH2	90	10/22/07*	02/22/08	08/27/07	11/21/07	-87	0	0%	21	128	126, 127	134, 221, 261, 564
	Update Meteorological Data for Actual Site Data	CH2	13	01/23/08	02/08/08	02/15/08	03/13/08	24	20	0%	21	129	59	130, 564
	CH Provide Site Meteorological Data Input for Revised CH/Q ...	CH2	5	02/11/08	02/15/08	03/14/08	03/20/08	24	20	0%	23	130	129	131, 132
	Revise Short-Term Diffusion Estimates (COL Item 2.3-4)	WP	5	02/18/08	02/22/08	03/21/08	03/27/08	24	20	0%	46	131	130	133, 576
	Revise Long-Term Diffusion Estimates (COL Item 2.3-5)	CH2	5	02/18/08	02/22/08	03/21/08	03/27/08	24	20	0%	23	132	130, 116	105, 133, 562
3.3	Meteorology FSAR 2.3	CH2	287	01/29/07 A	09/18/08	01/29/07	04/24/08	27	23	61.85%	115	120		
	Revise Draft FSAR Section 2.3	CH2	2	03/25/08	03/26/08	03/28/08	04/03/08	27	23	0%	46	133	131, 132	134
	Senior Review	CH2	8	02/27/08	03/06/08	04/04/08	04/10/08	27	23	0%	46	134	128, 133	135
	Incorp. Senior Review Comments	CH2	6	03/06/08	03/11/08	04/11/08	04/17/08	27	23	0%	46	135	134	136
	Tech Edit / Finalize Meteorology Section 2.3	CH2	5	03/12/08	03/18/08	04/18/08	04/24/08	27	23	0%	46	136	135	78

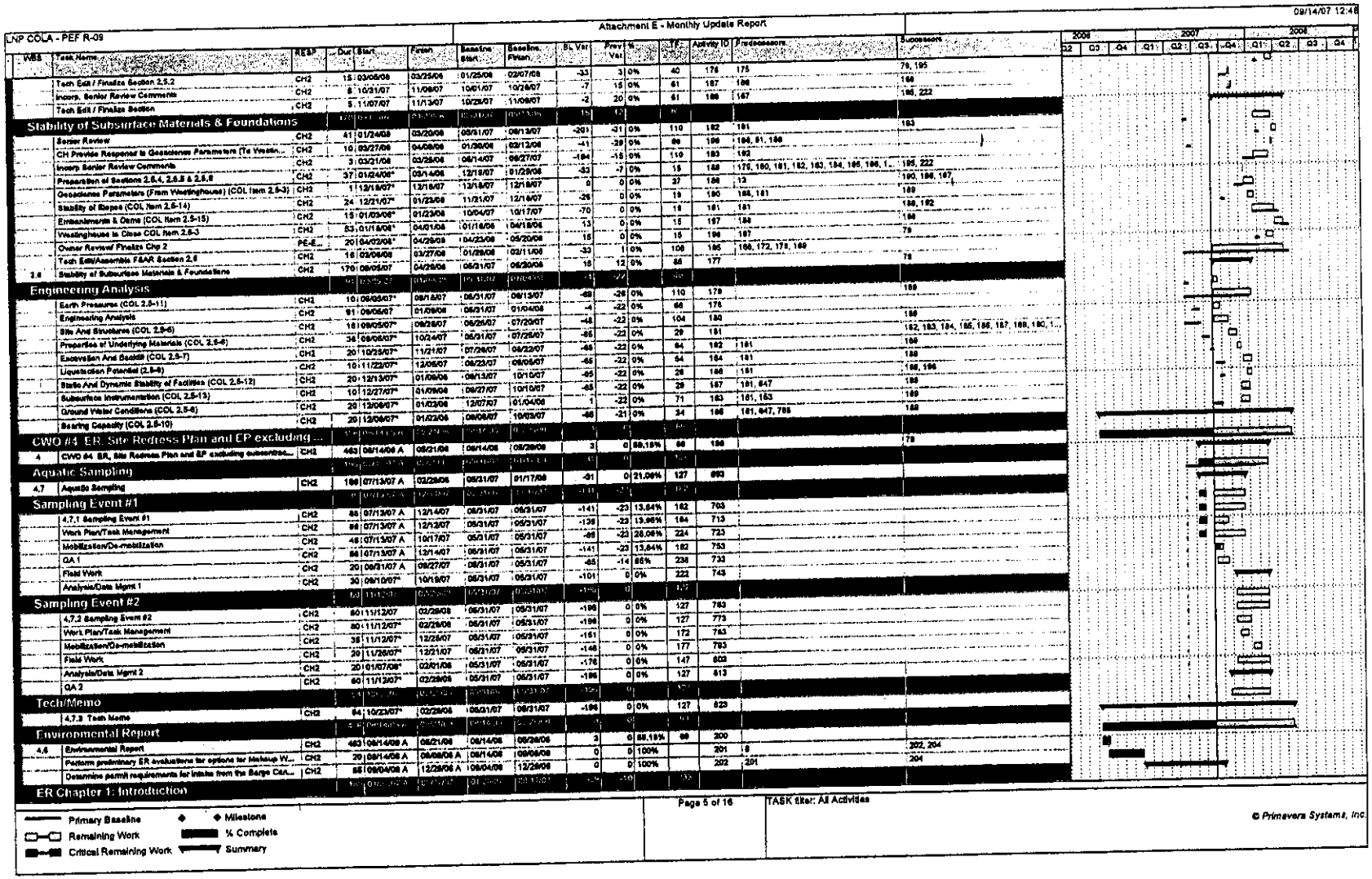


Primary Baseline | Milestone | Remaining Work | % Complete | Critical Remaining Work | Summary

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL



LNP COLA - PEF R-09 — Attachment E - Monthly Update Report — 09/14/07 12:48

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	SL Var	Prev Var	%	TF	Activity ID	Predecessors	Successors
	Tech Edit / Finalize Section 2.5.2	CH2	15	03/06/08	03/25/08	01/25/08	02/07/08	-33	3	0%	40	178	175	79, 195
	Incorp. Senior Review Comments	CH2	8	10/31/07	11/09/07	10/01/07	10/26/07	-7	15	0%	61	187	186	188
	Tech Edit / Finalize Section	CH2	5	11/07/07	11/13/07	10/29/07	11/06/07	-2	20	0%	61	188	187	195, 222
	Stability of Subsurface Materials & Foundations													
	Senior Review	CH2	41	01/24/08	03/20/08	05/31/07	06/13/07	-201	-31	0%	110	182	181	183
	CH Provide Response to Geosciences Parameters (To Westin...	CH2	10	03/27/08	04/09/08	01/30/08	02/12/08	-41	-39	0%	88	186	184, 61, 188	
	Incorp Senior Review Comments	CH2	3	03/21/08	03/25/08	06/14/07	06/27/07	-184	-15	0%	110	180	182	
	Preparation of Sections 2.5.4, 2.5.5 & 2.5.6	CH2	37	01/24/08*	03/14/08	12/19/07	01/29/08	-33	-7	0%	15	188	178, 180, 181, 182, 183, 184, 185, 186, 1...	185, 222
	Geosciences Parameters (From Westinghouse) (COL Item 2.5-3)	CH2	1	12/18/07*	12/18/07	12/18/07	12/18/07	0	0	0%	37	186	13	190, 196, 197
	Stability of Slopes (COL Item 2.5-14)	CH2	24	12/21/07*	01/23/08	11/21/07	12/14/07	-26	0	0%	19	180	166, 181	189
	Embankments & Dams (COL Item 2.5-15)	CH2	15	01/03/08*	01/23/08	10/04/07	10/17/07	-70	0	0%	19	181	181	188, 192
	Westinghouse to Close COL Item 2.5-3	CH2	53	01/15/08*	04/01/08	01/16/08	04/18/08	13	0	0%	15	197	188	188
	Owner Review/ Finalize Chp 2	PE-E	20	04/02/08*	04/29/08	04/23/08	05/20/08	15	0	0%	15	198	187	79
	Tech Edit/Assemble FSAR Section 2.5	CH2	16	03/06/08	03/27/08	01/28/08	02/11/08	-33	1	0%	106	195	188, 172, 178, 189	
2.5	Stability of Subsurface Materials & Foundations	CH2	170	06/05/07	04/29/08	05/31/07	06/20/08	15	12	0%	66	177		79
	Engineering Analysis													
	Earth Pressures (COL 2.5-11)	CH2	10	06/05/07*	06/18/07	05/31/07	06/13/07	-69	-26	0%	110	179		189
	Engineering Analysis	CH2	91	06/05/07	01/09/08	05/31/07	01/04/08	-4	-22	0%	66	176		
	Site And Structures (COL 2.5-6)	CH2	18	06/05/07*	06/28/07	06/25/07	07/20/07	-46	-22	0%	104	180		189
	Properties of Underlying Materials (COL 2.5-8)	CH2	36	06/05/07*	10/24/07	05/31/07	07/25/07	-85	-22	0%	29	191		192, 193, 194, 195, 196, 197, 199, 190, 1...
	Excavation And Backfill (COL 2.5-7)	CH2	20	10/23/07*	11/21/07	07/26/07	08/23/07	-65	-22	0%	64	182	181	189
	Liquefaction Potential (2.5-9)	CH2	10	11/22/07*	12/05/07	08/23/07	09/05/07	-65	-22	0%	64	184	181	189
	Static And Dynamic Stability of Facilities (COL 2.5-12)	CH2	20	12/13/07*	01/09/08	08/13/07	10/10/07	-65	-22	0%	28	186	181	188, 196
	Subsurface Instrumentation (COL 2.5-13)	CH2	10	12/27/07*	01/09/08	09/27/07	10/10/07	-65	-22	0%	29	187	181, 647	188
	Ground Water Conditions (COL 2.5-5)	CH2	20	12/06/07*	01/03/08	12/07/07	01/04/08	1	-22	0%	71	183	181, 183	189
	Bearing Capacity (COL 2.5-10)	CH2	20	12/06/07*	01/03/08	09/06/07	10/03/07	-65	-21	0%	34	186	181, 647, 785	188
	CWO #4 ER, Site Redress Plan and EP excluding ...													79
4	CWO #4 ER, Site Redress Plan and EP excluding subcontrac...	CH2	463	06/14/06 A	05/21/08	06/14/06	05/29/08	3	0	88.19%	88	199		
	Aquatic Sampling													
4.7	Aquatic Sampling	CH2	199	07/13/07 A	03/28/08	05/31/07	01/17/08	-91	0	21.09%	127	693		
	Sampling Event #1													
	4.7.1 Sampling Event #1	CH2	86	07/13/07 A	12/14/07	05/31/07	09/31/07	-141	-23	13.84%	182	703		
	Work Plan/Task Management	CH2	98	07/13/07 A	12/13/07	05/31/07	09/31/07	-136	-23	13.96%	184	713		
	Mobilization/De-mobilization	CH2	48	07/13/07 A	10/17/07	05/31/07	09/31/07	-66	-23	26.08%	224	723		
	QA 1	CH2	86	07/13/07 A	12/14/07	05/31/07	09/31/07	-141	-23	13.84%	182	753		
	Field Work	CH2	20	09/31/07 A	09/27/07	08/31/07	09/31/07	-65	-14	86%	238	733		
	Analysis/Data Mgmt 1	CH2	30	09/10/07*	10/19/07	05/31/07	09/31/07	-101	0	0%	223	743		
	Sampling Event #2													
	4.7.2 Sampling Event #2	CH2	80	11/12/07	02/29/08	05/31/07	09/31/07	-196	0	0%	127	763		
	Work Plan/Task Management	CH2	80	11/12/07*	02/29/08	05/31/07	09/31/07	-196	0	0%	127	773		
	Mobilization/De-mobilization	CH2	38	11/12/07*	12/28/07	06/31/07	09/31/07	-161	0	0%	172	783		
	Field Work	CH2	20	11/26/07*	12/21/07	08/31/07	09/31/07	-146	0	0%	177	793		
	Analysis/Data Mgmt 2	CH2	20	01/07/08*	02/01/08	05/31/07	09/31/07	-176	0	0%	147	803		
	QA 2	CH2	80	11/12/07*	02/29/08	05/31/07	09/31/07	-196	0	0%	127	813		
	Tech/Memo													
	4.7.3 Tech Memo	CH2	84	10/23/07*	02/29/08	05/31/07	09/31/07	-196	0	0%	127	823		
	Environmental Report													
4.6	Environmental Report	CH2	463	06/14/06 A	05/21/08	06/14/06	05/29/08	3	0	88.19%	88	200		202, 204
	Perform preliminary ER evaluations for options for Makeup W...	CH2	29	06/14/06 A	06/06/06 A	06/14/06	09/06/06	0	0	100%		201	8	204
	Determine permit requirements for intake from the Barge Can...	CH2	58	06/04/06 A	12/28/06 A	06/04/06	12/28/06	0	0	100%		202	201	
	ER Chapter 1: Introduction													

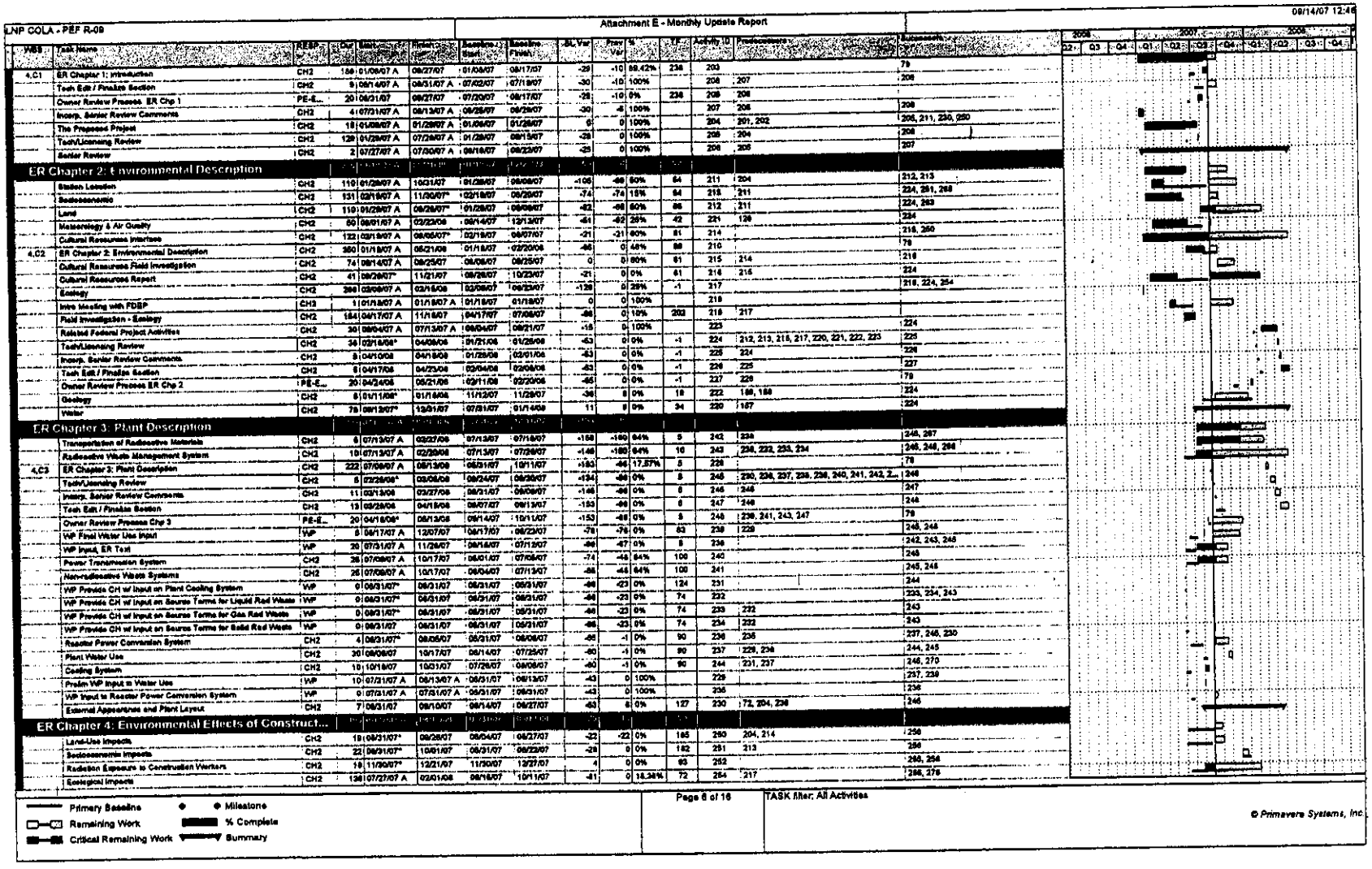
2006 | 2007 | 2008 — Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4

Primary Baseline — Milestone
Remaining Work — % Complete
Critical Remaining Work — Summary

TASK filter: All Activities

© Primavera Systems, Inc.

[1] CONFIDENTIAL



LNP COLA - PEF R-09 | Attachment E - Monthly Update Report | 08/14/07 12:46

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var	Prev Var	%	TF	Activity ID	Predecessors	Successors
4.C1	ER Chapter 1: Introduction	CH2	159	01/09/07 A	08/27/07	01/09/07	08/17/07	-29	-10	99.42%	236	203		79
	Tech Edit / Finalize Section	CH2	9	08/14/07 A	08/31/07 A	07/02/07	07/11/07	-30	-10	100%		206	207	208
	Owner Review Process ER Chp 1	PE-E...	20	08/31/07	09/27/07	07/20/07	08/17/07	-28	-10	0%	236	208	208	
	Incorp. Senior Review Comments	CH2	4	07/31/07 A	08/13/07 A	08/28/07	08/29/07	-30	-8	100%		207	205	208
	The Proposed Project	CH2	18	01/09/07 A	01/29/07 A	01/09/07	01/29/07	0	0	100%		204	201, 202	205, 211, 230, 250
	Tech/Licensing Review	CH2	129	01/29/07 A	07/26/07 A	01/29/07	08/15/07	-25	0	100%		208	204	208
	Senior Review	CH2	2	07/27/07 A	07/30/07 A	08/16/07	08/23/07	-25	0	100%		206	205	207
	ER Chapter 2: Environmental Description													
	Station Location	CH2	110	01/29/07 A	10/31/07	01/29/07	08/06/07	-106	-66	80%	84	211	204	212, 213
	Sedosecenomic	CH2	131	02/16/07 A	11/30/07*	02/19/07	08/29/07	-74	-74	18%	84	218	211	224, 251, 268
	Land	CH2	110	01/29/07 A	09/28/07*	01/29/07	08/06/07	-62	-66	80%	86	212	211	224, 263
	Meteorology & Air Quality	CH2	50	09/01/07 A	02/22/08	08/14/07	12/13/07	-61	-62	25%	42	221	128	234
	Cultural Resources Interface	CH2	122	02/19/07 A	08/05/07*	02/19/07	08/07/07	-21	-31	80%	81	214		218, 260
4.C2	ER Chapter 2: Environmental Description	CH2	350	01/19/07 A	05/21/08	01/19/07	07/20/08	-66	0	46%	88	210		79
	Cultural Resources Field Investigation	CH2	74	08/14/07 A	09/25/07	08/06/07	08/25/07	0	0	80%	81	215	214	218
	Cultural Resources Report	CH2	41	09/26/07*	11/21/07	08/26/07	10/23/07	-21	0	0%	81	216	216	224
	Ecology	CH2	398	03/09/07 A	03/15/08	03/09/07	09/25/07	-128	0	28%	-1	217		218, 224, 254
	Intro Meeting with FDEP	CH2	1	01/18/07 A	01/18/07 A	01/18/07	01/18/07	0	0	100%		218		
	Field Investigation - Ecology	CH2	184	04/17/07 A	11/16/07	04/17/07	07/06/07	-84	0	10%	202	218	217	224
	Related Federal Project Activities	CH2	30	09/04/07 A	07/13/07 A	08/04/07	08/21/07	-18	0	100%		223		225
	Tech/Licensing Review	CH2	34	02/15/08*	04/09/08	01/21/08	01/25/08	-53	0	0%	-1	224	212, 213, 218, 217, 220, 221, 222, 223	226
	Incorp. Senior Review Comments	CH2	5	04/10/08	04/15/08	01/28/08	02/01/08	-53	0	0%	-1	225	224	227
	Tech Edit / Finalize Section	CH2	5	04/17/08	04/23/08	02/04/08	02/08/08	-53	0	0%	-1	226	225	79
	Owner Review Process ER Chp 2	PE-E...	20	04/24/08	05/21/08	02/11/08	02/20/08	-65	0	0%	-1	227	226	224
	Geology	CH2	8	01/11/08*	01/18/08	11/12/07	11/29/07	-36	8	0%	18	222	188, 188	224
	Water	CH2	78	09/12/07*	12/31/07	07/31/07	01/14/08	11	8	0%	34	220	187	
	ER Chapter 3: Plant Description													
	Transportation of Radioactive Materials	CH2	5	07/13/07 A	02/27/08	07/13/07	07/18/07	-158	-160	94%	5	242	234	246, 267
	Radioactive Waste Management System	CH2	10	07/13/07 A	02/29/08	07/13/07	07/26/07	-146	-160	94%	10	243	238, 232, 233, 234	246, 248, 268
4.C3	ER Chapter 3: Plant Description	CH2	222	07/09/07 A	05/13/08	08/13/07	10/11/07	+153	-66	17.57%	5	228		79
	Tech/Licensing Review	CH2	5	02/25/08*	03/05/08	08/24/07	08/30/07	+134	-66	0%	5	246	230, 236, 237, 238, 236, 240, 241, 242, 2...	248
	Incorp. Senior Review Comments	CH2	11	03/13/08	03/27/08	08/31/07	09/09/07	-146	-66	0%	6	246	246	247
	Tech Edit / Finalize Section	CH2	13	03/28/08	04/15/08	09/07/07	09/13/07	-153	-66	0%	6	247	246	248
	Owner Review Process Chp 3	PE-E...	20	04/16/08*	05/13/08	09/14/07	10/11/07	-153	-66	0%	5	248	238, 241, 243, 247	79
	WP Final Water Use Input	WP	0	08/17/07 A	12/07/07	08/17/07	08/23/07	-76	-76	0%	63	239	229	248, 244
	WP Input, ER Text	WP	20	07/31/07 A	11/26/07	08/14/07	07/13/07	-66	-67	0%	5	236		242, 243, 245
	Power Transmission System	CH2	35	07/09/07 A	10/17/07	08/01/07	07/06/07	-74	-45	84%	100	240		248
	Non-radioactive Waste Systems	CH2	25	07/09/07 A	10/17/07	08/04/07	07/13/07	-68	-45	84%	100	241		245, 246
	WP Provide CH w/ Input on Plant Cooling System	WP	0	08/31/07*	08/31/07	08/31/07	08/31/07	-66	-23	0%	124	231		244
	WP Provide CH w/ Input on Source Terms for Liquid Rad Waste	WP	0	08/31/07*	08/31/07	08/31/07	08/31/07	-66	-23	0%	74	232		233, 234, 243
	WP Provide CH w/ Input on Source Terms for Gas Rad Waste	WP	0	08/31/07*	08/31/07	08/31/07	08/31/07	-66	-23	0%	74	233	232	243
	WP Provide CH w/ Input on Source Terms for Solid Rad Waste	WP	0	08/31/07	08/31/07	08/31/07	08/31/07	-66	-23	0%	74	234	232	243
	Reactor Power Conversion System	CH2	4	08/31/07*	09/05/07	08/31/07	08/06/07	-66	-1	0%	90	236	235	237, 245, 250
	Plant Water Use	CH2	30	09/06/07	10/17/07	08/14/07	07/25/07	-60	-1	0%	90	237	229, 236	244, 245
	Cooling System	CH2	10	10/18/07	10/31/07	07/26/07	08/08/07	-60	-1	0%	90	244	231, 237	246, 270
	Prelim WP Input re Water Use	WP	10	07/31/07 A	08/13/07 A	08/31/07	08/13/07	-43	0	100%		229		237, 239
	WP Input re Reactor Power Conversion System	WP	0	07/31/07 A	07/31/07 A	08/31/07	08/31/07	-43	0	100%		235		236
	External Appearance and Plant Layout	CH2	7	08/31/07	09/10/07	09/14/07	09/27/07	-63	8	0%	127	230	72, 204, 236	246
	ER Chapter 4: Environmental Effects of Construct...													
	Land-Use Impacts	CH2	19	09/31/07*	09/28/07	09/04/07	09/27/07	-22	-22	0%	185	250	204, 214	256
	Sedosecenomic Impacts	CH2	22	09/31/07*	10/01/07	09/31/07	09/22/07	-29	0	0%	182	251	213	256
	Radiation Exposure to Construction Workers	CH2	19	11/30/07*	12/21/07	11/30/07	12/27/07	4	0	0%	93	252		256, 258
	Ecological Impacts	CH2	138	07/27/07 A	02/01/08	08/16/07	10/11/07	-81	0	18.34%	72	254	217	256, 276

Primary Baseline ◆ Milestone
Remaining Work % Complete
Critical Remaining Work Summary

TASK filter: All Activities

© Primavera Systems, Inc.

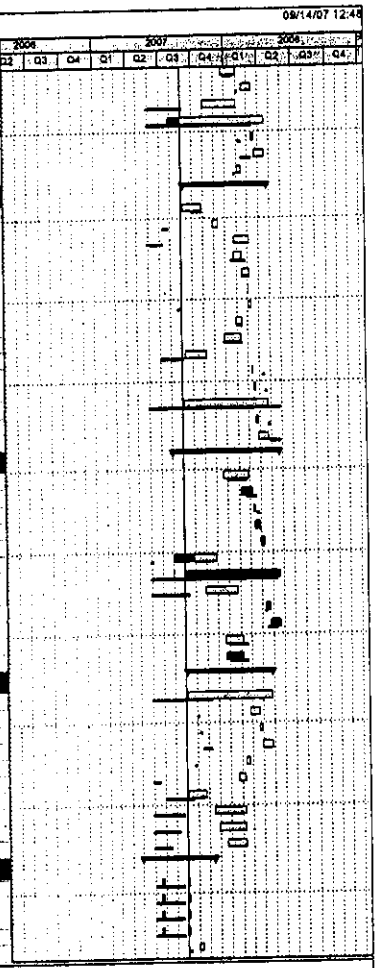
CONFIDENTIAL

09/14/07 12:46

Attachment E - Monthly Update Report

LNP COLA - PEF R-09

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var	Prev Var	%	TF	Activity ID	Predecessors	Successors
	Measures & Controls to Limit Adverse Impacts During Construc...	CH2	30	12/24/07	02/01/08	12/23/07	01/24/08	-6	0	0%	93	256	252	258
	Incorp. Senior Review Comments	CH2	19	02/18/08	03/13/08	02/01/08	02/07/08	-25	9	0%	93	257	256	258
	Water-Related Impacts	CH2	88	11/02/07	03/01/08	06/31/07	09/05/07	-107	14	0%	93	253	157	78
4.C4	ER Chapter 4: Environmental Effects of Construction	CH2	190	07/27/07 A	04/17/08	06/31/07	03/13/08	-25	15	13.16%	93	248		258
	Tech Edit / Finalize Section	CH2	5	03/14/08	03/20/08	02/08/08	02/14/08	-25	15	0%	93	258	257	
	Owner Review Process ER Chp 4	PE-E...	20	03/21/08	04/17/08	02/15/08	03/13/08	-25	15	0%	93	259	258	297
	Tech/Licensing Review	CH2	10	03/04/08	02/15/08	01/28/08	01/31/08	-11	23	0%	93	296	250, 251, 252, 253, 254, 255	
	ER Chapter 5: Environmental Effects of Station O...													264, 271, 283
	Land-Use Impacts	CH2	36	09/06/07*	10/26/07	10/01/07	10/26/07	0	-44	0%	63	263	72, 212	271
	Radiological Impacts Of Normal Operation	CH2	18	11/29/07*	12/12/07	07/13/07	07/26/07	-99	-24	0%	93	298	243, 567, 580	267, 271
	Transmission System Impacts	CH2	30	01/28/08*	03/06/08	06/31/07	07/11/07	-171	0	0%	19	282	486	271, 277
	Water-Related Impacts	CH2	17	01/24/08*	02/15/08	01/15/08	02/26/08	6	0	0%	0	264	263, 268, 157	271
	Environmental Impacts of Waste	CH2	16	02/14/08*	03/05/08	02/14/08	03/05/08	01	0	0%	22	265	261, 580	268, 271
	Uranium Fuel Cycle Impacts	CH2	1	03/03/08	03/03/08	07/16/07	07/16/07	-165	0	0%	19	267	242, 262	271
	Socioeconomic Impacts	CH2	8	03/04/08*	03/13/08	06/21/07	06/27/07	-140	0	0%	19	268	213, 267	284, 271
	WP Input Provide Text for ER	WP	10	01/21/08*	02/13/08	01/21/08	02/13/08	0	0	0%	3	269		285, 271
	Provide Calculation Documenting Input to ER CH 5 Radiologic...	CH2	33	12/28/07*	02/13/08	12/27/07	02/13/08	1	1	0%	33	261	558, 566, 561, 560	271
	Cooling System Impacts	CH2	42	09/11/07*	11/07/07	07/06/07	08/04/07	-46	1	0%	107	270	244	272
	Tech/Licensing Review	CH2	4	03/11/08*	03/14/08	04/08/08	04/14/08	21	17	0%	19	271	261, 262, 263, 264, 265, 266, 267, 269, 2...	273
	Incorp. Senior Review Comments	CH2	4	03/17/08	03/20/08	04/15/08	04/21/08	22	18	0%	19	272	271	79
	ER Chapter 5: Environmental Effects of Station Operation	CH2	168	09/06/07	04/23/08	05/31/07	05/29/08	23	18	0%	19	280		274
4.C5	Tech Edit / Finalize Section	CH2	4	03/21/08	03/26/08	04/22/08	04/28/08	23	18	0%	19	273	272	79
	Owner Review Process ER Chp 5	PE-E...	20	03/27/08	04/23/08	04/29/08	05/26/08	23	19	0%	19	274	273	
	ER Chapter 6: Environmental Measurement and M...													282, 283
	Chemical Monitoring	CH2	59	12/21/07*	02/28/08	01/02/08	02/19/08	-6	-18	0%	6	280	277	282, 283
	Radiological Monitoring	CH2	21	02/06/08	03/07/08	02/18/08	03/18/08	8	-3	0%	0	279	277	283
	Summary of Monitoring Programs	CH2	4	03/10/08*	03/13/08	03/18/08	03/25/08	7	-2	0%	0	282	280, 278, 277, 276, 279, 281	284
	Tech/Licensing Review	CH2	10	03/14/08	03/27/08	03/26/08	04/01/08	2	-2	0%	0	283	283, 276, 277, 278, 279, 280, 281, 282	286
	Incorp. Senior Review Comments	CH2	10	03/28/08	04/10/08	04/01/08	04/08/08	-3	-2	0%	0	284	283	282, 283
	Meteorological Monitoring	CH3	5	06/01/07 A	11/26/07	06/31/07	06/06/07	-125	-1	50%	72	281	128	79
4.C6	ER Chapter 6: Environmental Measurement and Monitoring Pr...	CH2	147	06/01/07 A	06/20/08	05/31/07	06/13/08	-6	0	0%	0	278		282, 283
	Ecological Monitoring	CH2	84	10/29/07*	01/24/08	06/31/07	09/12/07	-96	0	0%	31	276	264	286
	Tech Edit / Finalize Section	CH2	8	04/11/08	04/22/08	04/08/08	04/15/08	-6	0	0%	0	285	284	79
	Owner Review Process ER Chp 6	PE-E...	20	04/23/08	05/20/08	04/16/08	05/13/08	-6	0	0%	0	286	285	
	Thermal Monitoring	CH2	34	12/21/07*	02/07/08	01/02/08	02/18/08	4	1	0%	22	276	277	282, 283
	Hydrological Monitoring	CH2	84	12/24/07	02/08/08	01/03/08	02/19/08	7	1	0%	0	277	186, 264	276, 279, 280, 282, 283
	ER Chapter 7: Environmental Impacts of Postulate...													79
4.C7	ER Chapter 7: Environmental Impacts of Postulated Accidents...	CH2	167	09/06/07	04/24/08	06/31/07	11/06/07	-118	-18	0%	18	287		286
	Incorp. Senior Review Comments	CH2	19	02/25/08	03/20/08	10/01/07	10/26/07	-118	-18	0%	18	288	283	286
	Tech Edit / Finalize Section	CH2	5	03/21/08	03/27/08	10/29/07	10/12/07	-119	-18	0%	18	289	284	79
	Owner Review Process ER Chp 7	PE-E...	20	03/28/08	04/24/08	10/15/07	11/09/07	-119	-18	0%	18	290	285	
	Tech/Licensing Review	CH2	10	02/11/08	02/22/08	06/24/07	06/29/07	-105	-6	0%	18	283	286, 288, 290, 291, 292	294
	Design Basis Accident	WP	13	01/23/08*	02/08/08	06/31/07	06/20/07	-157	-4	0%	18	292		293, 576
	Transportation Accidents	CH2	36	09/05/07*	10/23/07	07/02/07	08/21/07	-82	0	0%	76	258		293, 107
	Severe Accident	CH2	62	11/15/07*	02/08/08	06/31/07	08/24/07	-120	0	0%	18	288		293, 576
	Severe Accident Mitigation Alternatives	CH2	52	11/28/07*	02/08/08	06/31/07	08/10/07	-130	0	0%	18	290		293, 576
	Provide Calculation Documenting CBA Input for ER CH.7 Con...	CH2	36	12/31/07*	02/08/08	06/31/07	07/20/07	-145	0	0%	18	291		293, 576
	ER Chapter 8: Need For Power													303
	Section 8.1	CH2	47	06/15/07 A	06/05/07	06/04/07	08/21/07	-11	-11	10%	143	299	296	303
	Section 8.2	CH2	47	06/15/07 A	06/05/07	06/04/07	08/21/07	-11	-11	10%	143	300	298	303
	Section 8.3	CH2	47	06/15/07 A	06/05/07	06/04/07	08/21/07	-11	-11	10%	143	301	299	303
	Section 8.4	CH2	47	06/15/07 A	06/05/07	06/04/07	08/21/07	-11	-11	10%	143	302	300	303
	Incorp. Senior Review Comments	CH2	9	10/01/07*	10/11/07	09/06/07	09/11/07	-22	-4	0%	133	304	303	306



Primary Baseline
Remaining Work
Critical Remaining Work
Milestone
% Complete
Summary

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

LNP COLA - PEF R-09 | Attachment E - Monthly Update Report | 09/14/07 12:46

WBS	Task Name	REEP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var	Prev Var	%	TF	Activity ID	Predecessors	Successors
	PE Input on Need For Power	CH2	1	05/01/07 A	05/01/07	05/01/07	05/01/07	0	0	100%		298		299, 300, 301, 302, 319
4.C8	ER Chapter 8: Need For Power	CH2	143	05/01/07 A	11/15/07	05/01/07	10/19/07	-19	1	61.54%	133	287		79
	Tech Edit / Finalize Section	CH2	5	10/13/07*	10/19/07	09/12/07	09/26/07	-19	1	0%	133	305	304	306
	Owner Review Process ER Chp 8	PE-E...	20	10/19/07	11/15/07	09/27/07	10/19/07	-19	1	0%	133	306	305	79
	Tech/Licensing Review	CH2	7	09/06/07	09/14/07	09/22/07	09/04/07	-8	10	0%	143	303	299, 300, 301, 302	304
	ER Chapter 9: Alternatives to Proposed Action													
	Tech/Licensing Review	CH2	19	12/25/07	01/07/08	12/25/07	12/31/07	-6	-10	0%	62	313	308, 309, 310, 311, 312	314
	Energy Alternatives	CH2	68	09/01/07 A	12/24/07	10/02/07	12/24/07	0	-6	10%	62	310	308	313
	Alternative Sites	CH2	86	09/01/07 A	12/24/07	10/02/07	12/24/07	0	-6	10%	62	311	308	313
	Alternative Plant and Transmission Systems	CH2	86	09/01/07 A	12/24/07	10/02/07	12/24/07	0	-6	10%	62	312	308	313
	Incorp. Senior Review Comments	CH2	19	01/08/08	02/01/08	01/01/08	01/07/08	-19	-4	0%	62	314	313	315
	PE Input on Alternatives	CH2	1	10/01/07*	10/01/07	10/01/07	10/01/07	0	0	0%	62	308		308, 310, 311, 312, 313
	No-Action Alternatives	CH2	47	09/01/07 A	12/06/07	10/02/07	12/06/07	0	0	10%	66	309	308	313
4.C9	ER Chapter 9: Alternatives to Proposed Action	CH2	158	09/01/07 A	03/07/08	10/01/07	02/11/08	-18	1	27.22%	62	307		79
	Tech Edit / Finalize Section	CH2	5	02/04/08	02/08/08	01/08/08	01/14/08	-19	1	0%	62	315	314	316
	Owner Review Process ER Chp 9	PE-E...	20	02/11/08	03/07/08	01/15/08	02/11/08	-19	1	0%	62	316	315	79
	ER Chapter 10: Environmental Consequences of ...													
	Relationship Between Short Term Uses and Long Term Produ...	CH2	10	09/28/07	10/11/07	09/28/07	10/11/07	0	-6	0%	104	322	318	323
	Tech/Licensing Review	CH2	19	10/12/07	11/01/07	10/12/07	10/19/07	-19	-6	0%	104	323	319, 320, 321, 322	324
	Incorp. Senior Review Comments	CH2	14	11/02/07	11/21/07	10/18/07	10/25/07	-19	-4	0%	104	324	323	325
	PE Market Analysis / Need for Power Input	CH2	0	09/14/07*	09/14/07	09/14/07	09/14/07	0	0	0%	104	318	299	319
	Unavoidable Adverse Environmental Impacts	CH2	10	09/14/07*	09/27/07	09/14/07	09/27/07	0	0	0%	104	319	318	320, 321, 322, 323
	Benefit-Cost Balance	CH2	10	09/14/07	09/27/07	09/14/07	09/27/07	0	0	0%	114	320	318	323
	Irreversible and Irretrievable Commitments of Resources	CH2	10	09/21/07	10/04/07	09/21/07	10/04/07	0	0	0%	109	321	319	323
4.C10	ER Chapter 10: Environmental Consequences of Proposed Ac...	CH2	74	09/14/07	12/28/07	09/14/07	11/29/07	-19	1	0%	104	317		79
	Tech Edit / Finalize Section	CH2	5	11/22/07	11/28/07	10/26/07	11/01/07	-19	1	0%	104	325	324	326
	Owner Review Process ER Chp 10	PE-E...	20	11/29/07	12/26/07	11/02/07	11/29/07	-19	1	0%	104	326	325	79
	Site Redress Plan													
	Develop Site Redress Plan	CH2	100	11/01/07*	03/19/08	11/01/07	12/13/07	-99	-66	0%	8	328		329
	Senior Review	CH2	6	03/20/08*	03/31/08	12/14/07	12/20/07	-72	-61	0%	8	329	328	330
	Incorp. Senior Review Comments	CH2	3	04/01/08*	04/03/08	12/21/07	12/27/07	-70	-78	0%	8	330	329	331
4.2	Site Redress Plan	CH2	136	11/01/07	05/06/08	11/01/07	01/31/08	-70	-60	0%	8	327		79
	Tech Edit / Finalize Section	CH2	5	04/04/08	04/10/08	12/28/07	01/03/08	-70	-60	0%	8	331	330	332
	Owner Review Site Redress	PE-E...	20	04/11/08	05/06/08	01/04/08	01/31/08	-70	-60	0%	8	332	331	79
	Emergency Plan Development													
4.3	Emergency Plan Development	CH2	246	12/18/06 A	11/28/07	12/18/06	10/26/07	-23	-23	74.19%	124	333		
	As Found Condition Determination													
	Obtain/Review copy of existing Crystal River EP	CH2	161	12/18/06 A	07/31/07 A	12/18/06	12/29/06	-151	-151	100%		335	24	336, 337, 338
	Obtain FL State plan and county appendices and review again...	CH2	28	01/08/07 A	07/31/07 A	01/08/07	02/14/07	-118	-118	100%		336	335	336, 341, 342
	Identify participating organizations	CH2	33	01/01/07 A	07/31/07 A	01/01/07	02/14/07	-118	-118	100%		337	336	
	Review EPZ boundaries with stakeholders	CH2	3	02/12/07 A	07/31/07 A	02/12/07	02/14/07	-118	-118	100%		340	339	
	Establish initial draft EPZ boundaries	CH2	0	02/15/07 A	07/31/07 A	02/15/07	02/15/07	-117	-117	100%		339		340
	Describe Federal Agency Support	CH2	9	02/05/07 A	07/31/07 A	02/05/07	02/15/07	-117	-117	100%		342	336	
	Prepare and hold meeting with State/Locals to review steps, in...	CH2	10	02/12/07 A	07/31/07 A	02/12/07	02/23/07	-111	-111	100%		341	336	
	As Found Condition Determination	CH2	205	12/18/06 A	07/31/07 A	12/18/06	07/31/07	1	44	100%		334		
	Describe onsite emergency organization	CH2	186	01/16/07 A	07/31/07 A	01/16/07	07/31/07	1	44	100%		338	335, 336	
	Develop EP													
	Westinghouse/NSI develop and supply AP-1000 Emergency A...	CH2	34	01/12/07 A	06/21/07 A	01/12/07	02/28/07	-123	-123	100%		348	346	350
	Ch. K – Radiological Exposure Control	CH2	161	06/11/07 A	06/21/07 A	06/11/07	06/22/07	-41	-37	100%		360		347
	Ch. L – Medical and Public Health Support	CH2	20	06/04/07 A	06/21/07 A	06/04/07	06/22/07	-41	-37	100%		359		357
	Incorporate Final EALs into EP	CH2	161	06/06/07 A	06/21/07 A	06/06/07	06/14/07	-47	-37	100%		350	349	356
	Develop EP	CH2	229	01/12/07 A	11/28/07	01/12/07	10/26/07	-23	-23	72.05%	124	343		

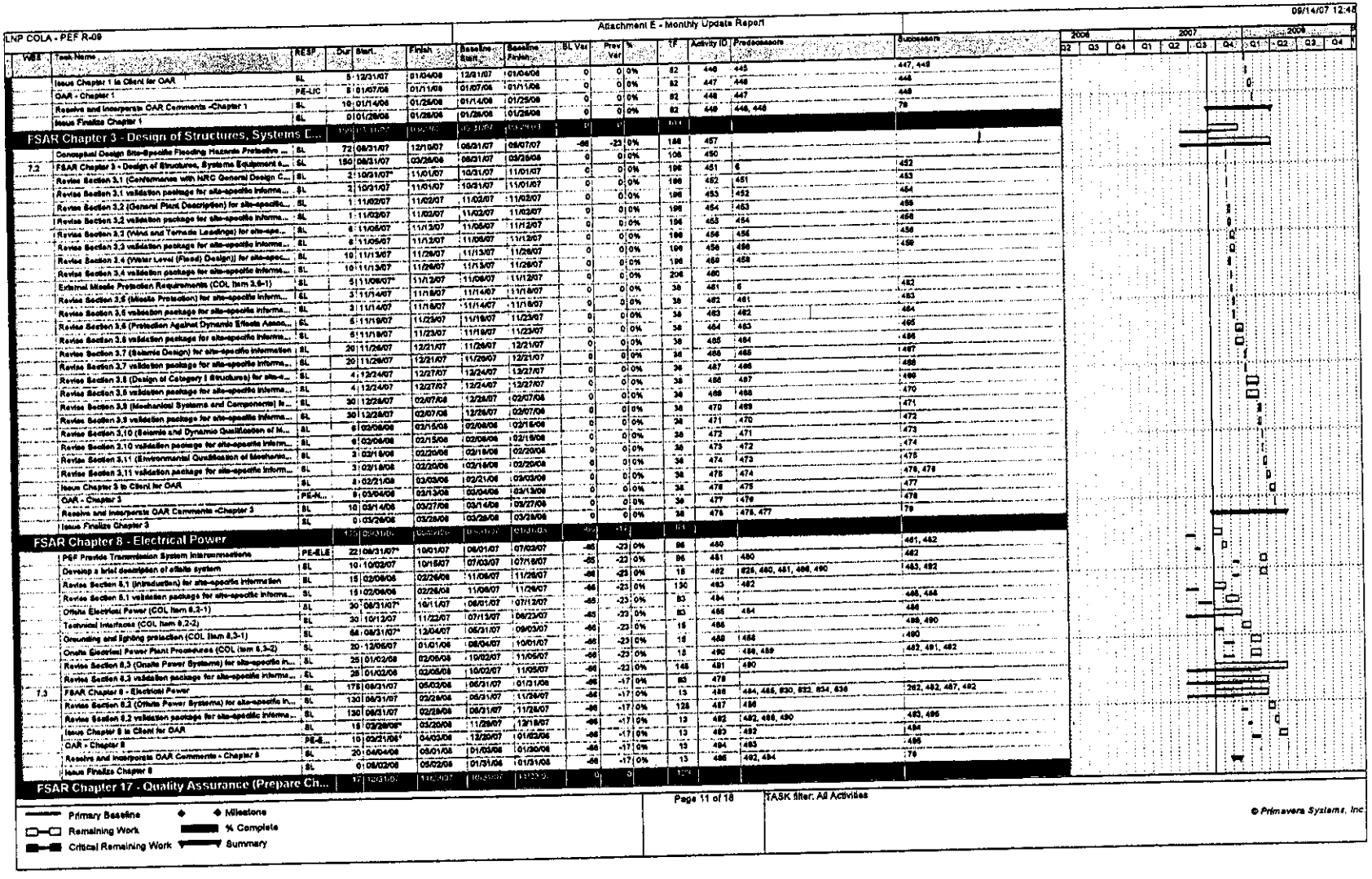
2006 | 2007 | 2008

Primary Baseline | Milestone | Remaining Work | % Complete | Critical Remaining Work | Summary

TASK filter: All Activities

© Primavera Systems, Inc.

[!] CONFIDENTIAL



CONFIDENTIAL

LNP COLA - PEF R-09 | Attachment E - Monthly Update Report | 08/14/07 12:48

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var	Prev Var	%	TF	Activity ID	Predecessors	Successors
	FSAR 13.6 - Scheduled NRC Endorsement	SL	0	01/15/07 A	01/15/07 A	01/15/07	01/15/07	0	0	100%		588		
	Vulnerability Analysis & Preventive Strategy Assessment	SL	20	12/20/07*	01/15/08	12/20/07	01/15/08	0	0	0%	13	588		589, 590
	Finalize Defensive Strategy Plan & Details	SL	20	12/20/07	01/15/08	12/20/07	01/15/08	0	0	0%	0	589	588	592
	Prepare Security Plan Ind New Appendixes E & F	SL	40	01/17/08*	03/13/08	01/17/08	03/13/08	0	0	0%	13	590	588	591
	Review of Security Plan	SL	15	03/13/08	04/02/08	03/13/08	04/02/08	0	0	0%	13	591	590	592
	Submit Security Plan for Progress Energy CAR	SL	0	04/04/08	04/04/08	04/04/08	04/04/08	0	0	0%	13	592	591, 589	593
	Progress Energy CAR	PE-E...	10	04/04/08	04/17/08	04/04/08	04/17/08	0	0	0%	13	593	592	594
	Finalize Security Plan	SL	10	04/18/08	05/01/08	04/18/08	05/01/08	0	0	0%	13	594	593	595
	Issue Security Plan	SL	0	05/02/08	05/02/08	05/02/08	05/02/08	0	0	0%	13	595	594	79
	Conceptual Design Separate from FSAR													
10	Conceptual Design Separate from FSAR	WP	391	06/07/06 A	02/05/08	06/07/06	12/21/07	-31	0	71.36%	148	600		
	Cooling Tower Design and Cooling Water Temper...													
	Cooling Tower Design and Cooling Water Temperature Limits	WP	86	06/07/06 A	12/01/06 A	06/07/06	12/01/06	0	0	100%		601		
	Establish 0% exceedance Wet Bulb and Dry Bulb Temperatur...	WP	10	06/21/06 A	06/01/06 A	06/21/06	06/01/06	0	0	100%		602	6	603
	Discuss with Westinghouse of impact of dry and Wet Bulb tem...	WP	10	06/04/06 A	06/13/06 A	06/04/06	06/15/06	0	0	100%		603	602	
	Develop cooling tower options	WP	15	06/07/06 A	06/26/06 A	06/07/06	06/26/06	0	0	100%		604	5	
	Westinghouse AP1000 Buyers CSW Optimization TF parties...	WP	90	06/04/06 A	11/24/06 A	06/04/06	11/24/06	0	0	100%		605	7	606
	Westinghouse Optimization results available to PE	WP	5	11/27/06 A	12/01/06 A	11/27/06	12/01/06	0	0	100%		606	605	72
	Conceptual Design of CWS													
	Independent Review/Submit CWS & Makeup Water System to...	WP	5	12/03/07	12/07/07	10/02/07	10/08/07	-44	-23	0%	92	618	616, 617	619, 621
	CAR - CWS & Makeup Water System	PE-E...	5	12/10/07	12/14/07	10/09/07	10/15/07	-44	-23	0%	92	619	618	620
	Resolve and Incorporate CAR Comments-Conceptual Design ...	WP	20	12/17/07	01/11/08	10/16/07	11/13/07	-44	-23	0%	92	620	619	621
	Issue Finalize Conceptual Design of CWS & Make up System	WP	0	01/14/08	01/14/08	11/13/07	11/13/07	-44	-23	0%	92	621	616, 620	79
10.3	Conceptual Design of CWS	WP	195	04/19/07 A	01/11/08	04/16/07	10/01/07	-74	-22	50.77%	182	611		
	Circ Water System Calculations - Cooling Tower Sizing, Cond...	WP	66	08/31/07*	11/30/07	07/02/07	10/01/07	-44	-23	0%	-11	616	612	560, 618
	Develop Prelim/Final Circ Water/ Circ Water Make-up P&ID (F...	WP	44	08/31/07*	10/31/07	07/02/07	08/30/07	-44	-23	0%	-1	617		154, 550, 618
	Maximum Temp Limit on Circ Water to Condenser, Degrees F	WP	0	08/31/07	08/31/07*	08/31/07	08/31/07	-66	-12	0%	256	614	612	
	Above Data for any Other Cooling Water Services Supplied fr...	WP	0	08/31/07	08/31/07*	07/02/07	07/02/07	-44	-12	0%	256	615	612	
	Condenser Heat Load, BTU/hr	WP	0	04/16/07 A	04/16/07 A	04/16/07	04/16/07	0	0	100%		612		613, 614, 615, 616
	Circulating Water Flow to Condenser GPM	WP	0	04/16/07 A	04/16/07 A	04/16/07	04/16/07	0	0	100%		613	612	
	Switchyard Layout and Design													
TBD	Switchyard Layout and Design	SL	388	06/14/06 A	02/05/08	06/14/06	11/02/07	-67	0	71.24%	78	625		
	Establish the directions transmission lines will leave the plant a...	PE-ELE	0	06/14/06 A	06/14/06 A	06/14/06	06/14/06	0	0	100%		626	4	627
	Establish the size and locations of the switchyards for QA	SL	46	04/02/07 A	06/06/07 A	04/02/07	06/06/07	0	0	100%		627	626	88
	Conceptual Design of Switchyards													
10.1	Conceptual Design of Switchyards	SL	111	06/03/07	02/05/08	06/31/07	11/02/07	-67	0	0%	78	628		482
	PGN Provide Transmission Line Description & Dwg Line Routes	PE-ELE	0	06/03/07*	06/03/07	05/31/07	05/31/07	-67	0	0%	30	629		630, 631, 632
	Develop Switchyard Physical Layout Dwgs	SL	80	06/03/07	01/04/08	05/31/07	10/03/07	-67	0	0%	52	630	629	486, 637
	PGN Provide Desired Configuration of Switchyard	PE-ELE	10	06/03/07*	06/14/07	05/31/07	06/13/07	-67	0	0%	30	631	629	632
	Develop Switchyard Single Line Diagrams	SL	90	06/03/07	01/04/08	05/31/07	10/03/07	-67	0	0%	30	632	629, 631	486, 637
	PGN Provide Description of New Switchyard Relay Protection	PE-ELE	0	06/03/07*	06/03/07	05/31/07	05/31/07	-67	0	0%	82	633		634, 635
	Develop Descriptions of Switchyard Prot. Relay Philosophy	SL	60	06/03/07	11/23/07	05/31/07	08/22/07	-67	0	0%	82	634	633	486, 637
	PGN Provide Description of Existing Offsite Power Test & Ins...	PE-ELE	0	06/03/07*	06/03/07	05/31/07	05/31/07	-67	0	0%	82	635	633	636
	Develop Descriptions of Switchyard Testing & Inspection Plan	SL	60	06/03/07	11/23/07	05/31/07	08/22/07	-67	0	0%	82	636	635	486, 637
	Issue Switchyard Conceptual Design for CAR	SL	1	01/07/08	01/07/08	10/04/07	10/04/07	-67	0	0%	78	637	630, 632, 634, 636	638, 640
	PGN Review of Conceptual Design	PE-ELE	10	01/08/08	01/21/08	10/05/07	10/18/07	-67	0	0%	78	638	637	639
	Resolve and Incorporate CAR Comments -Conceptual Design...	SL	10	01/22/08	02/04/08	10/18/07	11/01/07	-67	0	0%	78	639	638	640
	Issue Finalize Conceptual Design of Switchyard	SL	0	02/05/08	02/05/08	11/02/07	11/02/07	-67	0	0%	78	640	637, 639	79
	CWO #12 Site Unique Scope Not in RFP													
12.10.3	Phase 1 Makeup Water & Blowdown Eval/Study/Report	SL	137	07/02/07 A	12/28/07	06/31/07	11/21/07	-27	-8	37.23%	148	661		
12.11	Site Arrangement, Reports and Surveys	SL	137	07/02/07 A	08/28/07	06/31/07	12/21/07	90	90	84.87%	185	841		
	LNP Site Grading & Drainage													

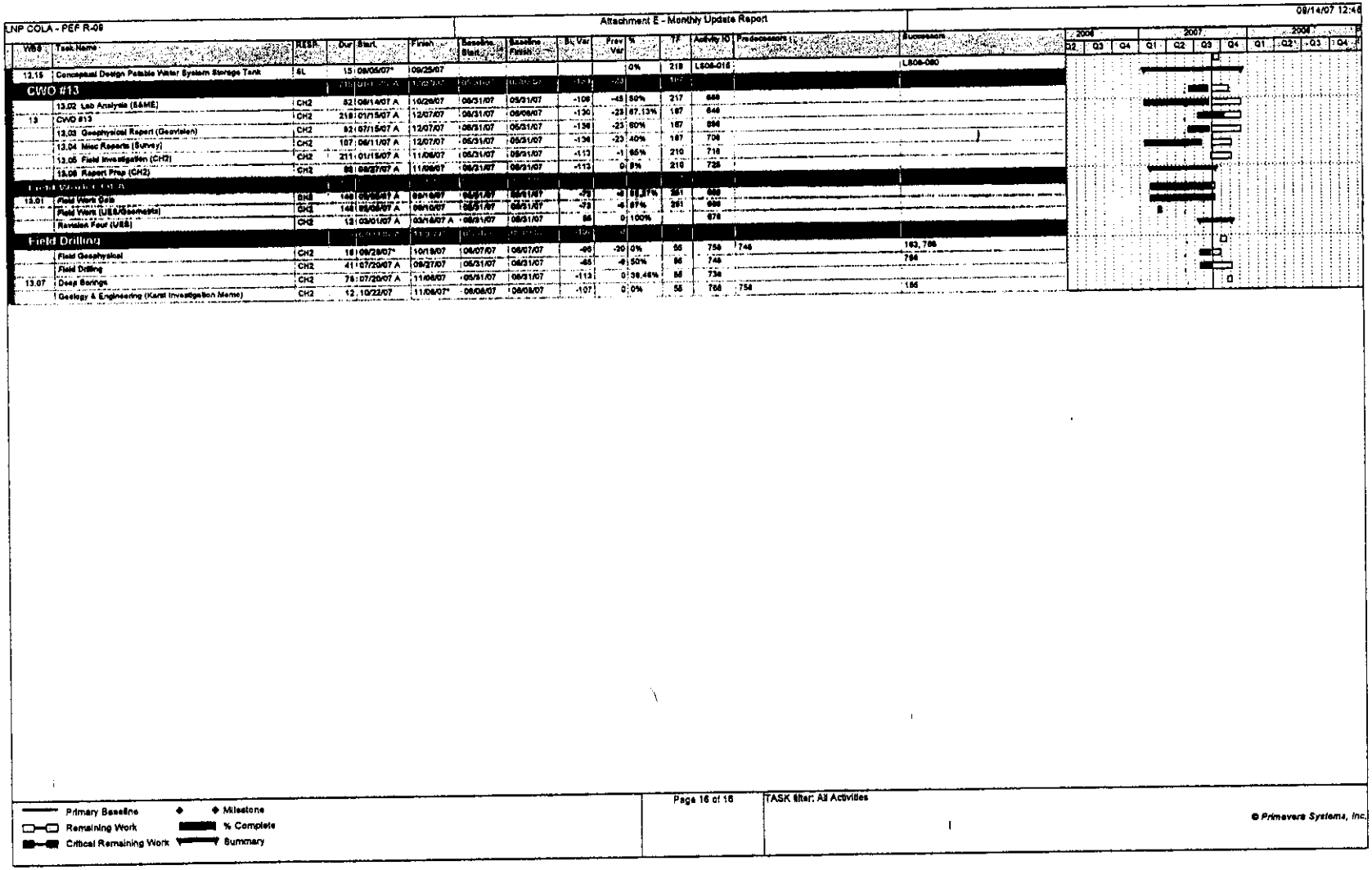
2006 Q2 Q3 Q4 | 2007 Q1 Q2 Q3 Q4 | 2008 Q1 Q2 Q3 Q4

Primary Baseline ◆ Milestone
Remaining Work % Complete
Critical Remaining Work Summary

TASK filter: All Activities

© Primavera Systems, Inc.

[!] CONFIDENTIAL



Project Budget and Invoicing Information

The summary of the project budget and invoicing are as follows:

- Current WA approved budget: Redacted
- Impact Evaluation approved budget:
- Total approved budget:
- Amount invoiced: Redacted
- Remaining approved budget: Redacted
- Amount received Redacted
- Amount receivable: Redacted

WA/Scope

WA Amendment 0 is ready for submittal back to Progress Energy

Impact Evaluation #76 for Federal Permits is pending approval with a total budget of Redacted

Scope of work to address potential technical gaps identified by NRC has been requested.

Project Schedule

Draft SCA for OAR: March 31, 2008

Final SCA: May 23, 2008

Work Accomplished This Month

- Project Mobilization
- Project schedule
- ER and SCA integration plans
- Meetings with FDEP
- RFIs for data required from Progress Energy, JVT, and others for the SCA

Monthly Performance Summary					Month Ending		August 2007													
			Client Budget		%	%	BCWS	BCWS	BCWP	BCWP	ACWP	ACWP	SV	SV	CV	CV	SPI	SPI	CPI	CPI
WBS	Description	DOR	MH	$	Complete	Scheduled	MH	$	MH	$	MH	$	MH	$	MH	$	MH	$	MH	$
1	Task # 1: Prepare/Submit COLA, DCD Departure Report, and General and Administrative Requirements																			
1.2	Site Characterization	CH	1,150		4%	4%			50		50		0		0		1.00	1.02	1.00	1.00
1.3	Plant and Assoc. Facilities	CH	70		0%	0%			0		0		0		0					
1.4	Construction Impacts	CH	460		0%	0%			0		0		0		0					
1.5	Operational Impacts	CH	360		0%	0%			0		0		0		0					
1.6	Economic & Social Effects	CH	50		0%	0%			0		0		0		0					
1.7	Electrical Transmission Lines	CH	190		0%	0%			0		0		0		0					
1.8	Need For Power	CH	30		0%	0%			0		0		0		0					
1.9	Site and Design Alternatives	CH	40		0%	0%			0		0		0		0					
1.1	Appendices	CH	190		0%	0%			0		0		0		0					
1.11	Documentation	CH	840		2%	4%			10		20		0		0					
1.12	Quality Assurance	CH	430		0%	0%			0		0		0		0					
1.13	Project Management	CH	830		20%	20%			170		280		0		0					
1.14	Project Management	SL	150		0%	0%			0		0		0		0					
	Task #1 Target Price		4,519		1%	2%			243		368		1		-110		1.00	1.00	0.91	0.91
	Direct Costs (Travel and Other Expenses)														-197		1.01	1.08	0.85	0.85

Redacted

Key:	
% Complete	This reflects the current stage of the task and thus helps gage the significance of the performance data.
BCWS	Budgeted Cost of Work Scheduled: This reflects the value of the work that was to be complete by this point in time per the work plan.
BCWP	Budgeted Cost of Work Performed: This reflects the value of the work that has been completed (Earned Value)
ACWP	Budgeted Cost of Work Performed: This reflects the actual expenditure to date
SV	Actual Cost of Work Performed: This reflects the actual expenditure to date
CV	Schedule Variance (SV = BCWP - BCWS): This measures the deviation from the project schedule (negative no. indicates behind schedule)
SPI	Cost Variance (CV = BCWP - ACWP): This measures the deviation from the project budget (negative no. indicates budget overrun)
CPI	Schedule Performance Index (SPI = BCWP/BCWS): This reflects performance relative to project schedule. (> 1.0 indicates ahead of schedule)
	Cost Performance Index (CPI = BCWP/ACWP): This reflects performance relative to project budget (>1.0 indicates under budget)

1.1 SCA Requirements

CONFIDENTIAL

Section 10.1 of the State of Florida SCA guidance document requires that the following Federal permit approvals or applications be included as appendices (Section 10.1) to the State Site Certification Application (SCA).

- 10.1.1 316 Demonstrations
  Provide any demonstrations made pursuant to Section 316(a) or (b) of the Clean Water Act.
- 10.1.2 NPDES Applications/Permits
  Provide the most recent version of any applications or existing permits for a National Pollutant Discharge Elimination System permit.
- 10.1.3 Hazardous Waste Disposal Applications/Permits
  Provide any applications or existing permits for a Federal Hazardous Waste Disposal permit pursuant to the Resource Recovery and Conservation Act.
- 10.1.4 Section 10 or 404 Applications/Permits
  Provide any applications or existing permits for Section 10 or 404 permits pursuant to the Rivers and Harbors Act and Clean Water Act.
- 10.1.5 PSD Applications/Permits
  Provide any Prevention of Significant Deterioration permit applications pursuant to the Clean Air Act.
- 10.1.6 Coastal Zone Management Certifications
  For facilities to be located in coastal counties, all applications for those federal approvals listed in 380.23(3)(c), F.S., must be accompanied by the applicant's certification of the project's consistency with the Florida Coastal Zone Management Program. The applicant is required to provide the state with a copy of the certification (cf. 15 CFR Part 930, Subpart D).

CONFIDENTIAL

PROJECT MONTHLY STATUS REPORT

COL APPLICATION FOR LNP 1&2
WA # 255934-02

PROGRESS ENERGY FLORIDA

Report for February 2008

Dated: March 13, 2007

SARGENT & LUNDY – CH2M HILL – WORLEYPARSONS JOINT VENTURE

Contract Number:	255934	Customer Organization:	
Contract WA#:	255934-02	Project Manager:	Garry Miller
Latest Amendment of Task WA Authorized:	2	Technical Lead / Designated Representative:	Debbie Doyle
		Contractor Project Manager:	A. K. Singh
		Contractor Technical Leads:	Jim Steele Mike Launi John Archer

Issues Requiring Management Attention

The project management team is adequately resolving emergent project issues. No new issue required escalation during February 2008.

Quality Issues

Project quality issues are discussed during the weekly client telecon every Thursday. These issues are listed in the weekly telecon summary. The JV and Progress Energy project team is apprised of these issues on an on going basis. The quality issues during February 2008 were:

- S&L completed a procedural QA Audit of PCR on February 12-14, 2008. Four findings were noted (Calculation Admin, Software V&V, QA Audit frequency, Supplier Audit). Exit meeting notes were sent to Progress Energy.
- Progress Energy has scheduled a QA Audit of CH2M Hill starting March 31, 2008.

[redacted] REDACTED [redacted]

- JV Assessment Team will be lead by John Archer. Team Charter and Assessment Plan has been developed.
- CH2M has developed a plan for addressing QA issues on LNP

Health and Safety Issues

Health and safety issues are discussed during the weekly client telecon every Thursday. These issues are listed in the weekly telecon summary. CH2M Hill site crew is apprised of these issues on an on going basis. There was no Health and Safety issue reported during February 2008.

Teamwork and Accountability Issues

Teamwork and accountability issues are discussed during the weekly client telecon every Thursday. These issues are listed in the weekly telecon summary with the responsible party's name. The issues are resolved on an on going basis. The Teamwork and Accountability issues during February 2008 related to late responses to RFI. The following RFIs were late during the month:

- RFI 155 Grid Stability (Progress Energy)
- RFI 312 Local PMP (Westinghouse)
- RFI 324 Background Noise (Progress Energy)
- RFI 323 Background Noise (S&L)
- RFI 329 Confirm Assumptions on Taxes and Fees (Progress Energy)
- RFI 331 Air Emissions (Westinghouse)
- RFI 332 Applicable NERC/FRCC Reliability Standards (Progress Energy)
- RFI 334 Transmission Line Inspection Program (Progress Energy)

All the late RFIs except RFI 312 are closed as of March 13, 2008.

Project Budget and Invoicing Information

The invoicing as well as the payments for the invoices continues to be satisfactory. The summary of the project budget and invoicing are as follows:

- Current WA approved budget:
- Impact Evaluation approved budget: Redacted
- Total approved budget:
- Amount invoiced: Redacted
- Remaining approved budget: Redacted
- Amount received:
- Amount receivable: Redacted

The above information for Tasks #1 through #14 is tabulated in Attachment A.

Scope Revisions

Project scope change issues are discussed during the weekly client telecon. These issues are listed in the weekly telecon summary. Based on these discussions, impact evaluation for the scope change is prepared. Once the impact evaluation is approved, the affected task scoping documents, project WBS budget, and the project schedule are revised.

Attachment B provides the increase (or decrease) in budgets by impact evaluation and task numbers. Since issuance of WA Amendment 2, Impact Evaluations number 34, 35, 40, 43, 45, 50, 51, 52, and 55 through 59, 61 through 64, 67, 68, 71, 84 through 88, 90, 100, 101, 102, 103, 104, 114, 115, 118, 120, 121, 122, 125, 129, 131, and 146 have been approved with a total budget of Redacted Impact Evaluations 109, 127, 128, and 130 are pending approval with a total budget of Redacted

In addition to the scope changes listed in Attachment B, the following potential scope changes have been identified:

- ER compliance with RG 1555 2007 changes
- Task 13 (Fieldwork) budget to completion
- New DOR for Site Geology (Karst)

Budget and Schedule Performance

Detailed information on project budget and schedule performance the overall project and for tasks #1 through #14 is tabulated in Attachment C. Figures P-00 through P-14 provide the project performance graphs for the overall project and for tasks #1 through #14 respectively. Figures C-00 through C-14 provide the baseline and projected cash flow graphs for the overall project and for tasks #1 through #14 respectively.

The project is 75% complete. For individual tasks the percent complete varies from 0% for tasks #1 (Prepare/Submit COLA) to 92% for task #13 (COLA Fieldwork). The percent complete for tasks #1 through #14 is tabulated in Attachment C.

The actual cost of work performed (AWCP) is approximately the same as the budgeted cost of work performed (BCWP) with a cost performance index (CPI) of 1.01 (>1.00 indicates under budget). The CPI for individual tasks varies from 2.41 for task #5 (FSAR

Technology Chapters 4, 5, 6, 7 and 12) to 0.87 for task #13 (COLA Fieldwork) as tabulated in Attachment C.

The scheduled percent complete for the overall project is 76%. For individual tasks, the scheduled percent complete varies from 0% for task #1 (Prepare/Submit COLA) to 98% for task #13 (COLA Fieldwork). The scheduled percent complete for tasks #1 through #14. The CPI for tasks #1 through #14 is tabulated in Attachment C.

The budgeted cost of work scheduled (BCWS) is approximately the same as the budgeted cost of work performed (BCWP) with a schedule performance index (SPI) of 0.99 (<1.00 denotes behind schedule). The SPI for individual tasks varies from 1.01 to 0.99 as tabulated in Attachment C.

Request for Information (RFI) List

Design inputs required for COLA preparation from Progress Energy and Westinghouse is tracked by the combined [Karst] and PEF project RFI list that is issued weekly as part of the LNP COLA documents to facilitate the weekly client telecon. The outstanding requests are discussed with Progress Energy and Westinghouse during the telecon. New items are added and completed items are purged from the list weekly. Late RFIs are listed under 'Teamwork and Accountability Issues'.

Project Schedule

The P3v5 PEF project schedule R15 (Attachment E) is attached. The percent complete for the tasks and variations from the baseline schedule as of February 29, 2007 are shown. Attachment D presents the milestones for the project deliverables. Attachment F presents project tasks that have a float of less than 20 days.

Attachment G lists the open items for deliverables that have been submitted for OAR or Page Turn.

The project schedule R15 supports the July 31, 2008 COLA submittal. The project is on schedule.

Risk Matrix

Progress Energy is maintaining a Risk Matrix for PEF COLA. The JV provides inputs to this Risk Matrix. The risks associated with the LNP site are (new risk is in Blue, new text is in Blue):

- ~~Karst investigation is in progress. If the karst investigation shows unfavorable conditions at the existing plant layout, the COLA submittal may be delayed.~~ The initial Karst investigations have been completed. Site Geology including postulated Karst features are more complex that anticipated. Additional evaluation and possibly fieldwork investigations may be required. This is a risk that requires close attention so as not to delay the COLA submittal.
- 316 thermal and biological issues with the Barge Canal intake and Gulf discharge. Initial meeting with FDEP did not identify any show stoppers. Aquatic sampling in the Barge Canal has been completed. It also did not identify any show stoppers. This risk is low.
- The Maximum two hour dry bulb temperature and the coincident dry bulb temperature for the site were computed based on the maximums observed for 30 years of recorded data. In the Vogtle ESP SER, the NRC has stated that these temperatures should be based on a 100 year return period. The coincident wet bulb

temperature calculated for 100 year return period maximum wet bulb temperature is greater than 80.1 DCD value. Draft Westinghouse white paper concludes that higher coincident wet bulb temperature is acceptable for the safety analysis. Licensing risks are not addressed that will require regulatory exemption and DCD departure. A new calculation being prepared on the subject shows that LNP site temperature limits are within the bounds of DCD R16. This risk will be deleted once the new calculation is accepted by Progress Energy.

- Design of site unique systems and foundation continues to evolve. Examples include the switchyard design, transmission line routing, Blowdown discharge routing to Crystal River plant, and the foundation remediation details. These changes will delay OAR submittal of the revised supporting document past the March 31, 2008 date. In addition, the FSAR and ER Chapters will be submitted with open items that will be closed during the Page Turn review. Late changes to site unique system designs is a risk that requires close attention so as not to delay the COLA submittal.

Documents Submitted to Client This Month

- SLPEF-2008-043: LNP FSAR Chap 17, Rev. D - for Page Turn Review; WBS Code 7.4
- SLPEF-2008-044: Conceptual Design Specification # LNG-ME73-Z0-001, Conceptual Design Specification for the Mechanical Draft Cooling Towers; WBS Code 12.18
- SLPEF-2008-045: Levy Nuclear Plant Grade Elevation Technical Memorandum for Acceptance (Dated 2-4-08); WBS Code 12.13
- SLPEF-2008-046: Report No. LNG-3000-GER-001, Rev. 0; Conceptual Design of the Wastewater Retention Basin - for Acceptance; WBS Code 12.14
- SLPEF-2008-047: Calculation No. LNG-0000-GLC-002, Rev. 0. for Acceptance; WBS Code 3.3
- SLPEF-2008-048: Report LNG-TVS-GER-001, Rev. 0 for OAR
- SLPEF-2008-049: LNP FSAR Chapter 12, Radiation Protection, Rev. D, for Page Turn; WBS Code 5.12
- SLPEF-2008-050: Calculation No. LNG-0000-N5C-004, Rev. 0, Gaseous Effluent Doses & Concentrations - Levy; for OAR; WBS Code 8.3.3.1
- SLPEF-2008-051: Impact Evaluation #131 "Ground Water Modeling - LNP" for Approval
- SLPEF-2008-052: Impact Evaluation #132 "Wetland Mitigation Plan - SCA" for Approval
- SLPEF-2008-053: Levy FSAR Chapter 14 Rev. C - for OAR; WBS Code 6.4
- SLPEF-2008-054: SCA January 2008 Monthly Project Status Report
- SLPEF-2008-055: PEF Monthly Project Status Report for January 2008
- SLPEF-2008-056: Calculation No. LNP-0000-X7C-007, Revision A - for Owner Acceptance Review.
- SLPEF-2008-057: Calculation No. LNP-0000-X7C-008, Revision A for Owner Acceptance Review.

- SLPEF-2008-058: Report No. LNG-CWS-GER-003, Rev. 0, Report of Makeup Water System for OAR, WBS Code 12.08
- SLPEF-2008-059: Conceptual Design Specification # LNG-RWS-GE-001, Rev. 0 - for OAR; WBS Code 12.16
- SLPEF-2008-060: Calculation No. LNG-CWS-GEC-003, Rev. 0; Calculation of Makeup Water System - for OAR; WBS Code 12.08
- SLPEF-2008-061: LNP Conceptual Grading & Drainage Plan - for Acceptance; WBS Code 12.13
- SLPEF-2008-062: Impact Evaluation 130 "RCC and Flowable Fill Test Pad and Testing - LNP" - for Acceptance
- SLPEF-2008-063: Calculation No. LNP-0000-GLC-003, Rev. 0; "Evaluation of Liquid Radwaste tank Failure", - for OAR; WBS Code 8.3
- SLPEF-2008-064: LNP FSAR Chapter 4 Rev. D and Validation Package for Owner's Acceptance and Page Turn; WBS Code 5.1
- SLPEF-2008-065: LNP Offsite Dose Calculation Manual - for OAR; WBS Code 8.3
- SLPEF-2008-066: Calculation No. LNG-0000-X7C-006, Rev A; "Ground Water Velocity Flux", - for Owner Acceptance Review (OAR); WBS Code 3.4
- SLPEF-2008-067: Calculation No. LNG-0000-X7C-012, Rev A; "Aquatic Statistics and Cooling Water Dilution Factors", - for - Owner Acceptance Review (OAR); WBS Code 3.4
- SLPEF-2008-068: Impact Evaluation No. 133 "ER Chapter 7 Budget Increase - LNP" for Approval
- SLPEF-2008-069: Levy FSAR Chapter 5, Rev. D - for Acceptance and Page Turn; WBS Code 5.3
- SLPEF-2008-070: Impact Evaluation 128 R1 "ER Scope for Crystal River Blowdown Route - LNP" for Approval
- SLPEF-2008-071: Impact Evaluation 102 R1"PCR Scope for FSAR 2.5.4" for Approval
- SLPEF-2008-072: Calculation No. LNG-0000-GEC-001, Rev. 0; "Hazards Analysis – Levy Site" - for Acceptance; WBS Code 3.2
- SLPEF-2008-073: Calculation No. LNG-0000-N5C-003, "Liquid Effluent Doses & Concentrations – Levy", Rev. 0 - for Acceptance; WBS Code 8.3.2.2
- SLPEF-2008-074: LNP (unapproved) One Line and Physical Drawings for OAR; WBS Code 10.1
- SLPEF-2008-075: Calculation No. LNG-0000-AFC-001, Rev. 0 - for OAR; WBS Code 9.3
- SLPEF-2008-076: Closed Circuit Television (CCTV) System Conceptual Design Report for Acceptance; WBS Code 7.3
- SLPEF-2008-077: Calculation No. LNG-0000-GLC-002, "Short Term Accident CHI/Q", Rev. 1 or Acceptance; WBS Code 3.3
- SLPEF-2008-078: Technical Memorandum - Pipe Sizing and ROM Cost Estimates - LNP Blowdown Discharge to Crystal River Discharge Canal

- SLPEF-2008-079: LNP FSAR Chapter 06 Revision D for Page Turn
- SLPEF-2008-080: LNP Conceptual Design and Calculations for Circulating Water and Raw Water Systems for Acceptance
- SLPEC-2008-081: Calculation LNG-0000-N5C-002, "DBA Accident Doses to Support ER Section 7.1," Revision 1 for OAR; WBS Code 4.1.7
- SLPEF-2008-082: LNP ER Chapter 9 Revision C for Owner's Acceptance Review; WBS Code 4.1.9
- SLPEF-2008-083: LNP FSAR Chapter 18 for OAR; WBS Code 7.5
- SLPEF-2008-084: LNP FSAR 2.1, Rev. C for OAR; WBS Code 3.1
- SLPEF-2008-085: Calculation No. LNG-0000-X7C-010, "Probable Maximum Hurricane", Rev. B; for OAR; WBS Code 3.4
- SLPEF-2008-086: Calculation No. LNG-0000-GEC-001, LNP Hazard Analysis, Rev. 0; for Acceptance; WBS Code 3.2
- SLPEF-2008-087: Report No. LNG-CFS-GER-001, Rev. 0, Evaluation of Oxygen Scavenger, pH Control Agent, Potable Water Biocide, and Cooling Water Chemicals - for OAR; WBS Code
- SLPEF-2008-088: LNP FSAR Chapter 9 for OAR; WBS Code 8.1
- SLPEF-2008-089: Impact Evaluation #136 "Supplementary Permitting - SCA" for Approval
- SLPEF-2008-090: FSAR Chapter 15 - Levy for OAR; WBS Code 8.4
- SLPEF-2008-091: Calculation No. LNG-0000-N5C-004, Rev. 1, AP1000 Gaseous Effluent Doses & Concentrations - Levy for OAR; WBS Code 8.3.3.1
- SLPEF-2008-092: Levy FSAR Chapter 16, Technical Specifications, Rev. D for Page Turn and Acceptance; WBS Code 6.8

Other Work Accomplished This Month

Task # 1 – Prepare/Submit COLA, DCD Departure Report, and General and Administrative Requirements

No activity to report

Task # 2, 3, 13, and 14 – FSAR Chapter 2

- Series of telecon (PE, PCR, S&L, and SSW) were held to finalize the purpose, scope, schedule, and DOR for the RCC and Flowable Fill testing. Impact Evaluation #130 is being prepared for the scope of work.
- PCR initiated work on Grout Testing program specifications including discussions with the grouting subcontractor
- PCR issued DIT to Westinghouse (WEC) on final foundation conceptual design details for SSI analysis
- Geomatrix provided FIRS and FIRS Time History DIT to WEC
- CH2M issued DIT on final in-situ soil properties to WEC for SSI

- FSAR Section 2.5.1 Rev D was submitted for informal acceptance
- Draft Karst investigation report was issued for comments and discussion.
- Bruce Redpath's review of Downhole data report was completed
- PCR initiated evaluation of the impact of Site Geology (Karst) on both the foundation design and the grout program.
- PCR and Progress Energy visited Levy County for field observation of Avon Park formation.
- PCR provided comments on SSW Pump Test Plan
- FSAR Section 2.1 was submitted for OAR

Task # 4 – ER, Site Redress Plan, and EP

- ER Chapter 8 Rev C was submitted for OAR
- ER Chapter 3 Rev C was submitted for OAR
- Aquatic 2nd Sampling Analysis was completed
- ER Chapter 9 Rev. C was submitted for OAR
- EP submitted for Page Turn Acceptance
- ER Chapter 9 Rev C was submitted for OAR

Tasks # 5, 6, 7, and 8 – FSAR except Chapter 2

- 100 year return maximum 2 hour sustained dry bulb and coincident wet bulb temperature S/R calculation was submitted for OAR. OAR comments were received. The calculation revision is in progress.
- FSAR Chapter 4 was submitted for Page Turn acceptance
- FSAR Chapter 5 was submitted for Page Turn acceptance
- FSAR Chapter 6 was submitted for OAR
- FSAR Chapter 6 was submitted for Page Turn acceptance
- FSAR Chapter 7 was accepted for Page Turn
- FSAR Chapter 12 was accepted for Page Turn
- FSAR Chapter 16 was accepted for Page Turn
- FSAR Chapter 17 was submitted for Page Turn
- FSAR Chapter 17 was accepted for Page Turn
- FSAR Chapter 19 OAR comments were incorporated
- FSAR Chapter 14 submitted for OAR
- FSAR Chapter 18 submitted for OAR

Task # 9 – Programs Separate from FSAR

- Progress Energy and JV met in St Petersburg office to develop a plan for the Security Plan.
- Fire Protection Plan was submitted for OAR. OAR comments were received. The Plan revision is in progress.

Task # 10 – Conceptual Designs Separate from FSAR

- Comments were provided on the Grid Stability analysis
- Site Resistivity measurements were completed.
- Site Resistivity measurement vendor report is was completed.
- CWS Conceptual Design OAR comments were incorporated and the design was submitted for acceptance

Task # 11 – Project Management

- Weekly updated Open item list was prepared
- January 2007 monthly project status report was submitted
- Project schedule R14 was submitted with the January 2007 monthly project status report
- Prepared weekly project status summary to facilitate the weekly client telecon
- Participated in weekly JV team meeting
- Participated in the weekly client telecon on project status
- Prepared weekly updates to the project schedule and participated in the weekly project schedule telecon

Task # 12 – Site Unique Scope not in RFP

- Waste Water Retention OAR comments were incorporated and design calculation and report was submitted for acceptance.
- Blowdown System design was submitted for OAR. OAR comments were received. The design report and calculation revisions are in progress.
- Cooling Tower conceptual specification was submitted for OAR. OAR comments were received. The specification revision is in progress.
- Make-up water System submitted for OAR. OAR comments were received. The design report and calculation revisions are in progress.
- Grading and Drainage final design was accepted
- Filters for Water Systems design was submitted for OAR

CONFIDENTIAL

ATTACHMENT A

SUMMARY OF PROJECT BUDGET, AMOUNT INVOICED, AMOUNT RECEIVED, AND ACCOUNTS RECEIVABLE

MONTH ENDING February 2008

Task #	Task Description	Approved Budget				Amount Invoiced + Ready for Invoicing			Amount Received			
		WA Approved Budget	IE Approved Budget	Total Approved Budget	Ready for Invoicing	Invoiced	Ready + Invoiced	Remaining Approved Budget	Through Last Month	This Month	Total	Accounts Receivable
1	Prepare/Submit COLA, DCD Departure Report, and General and Administrative Requirements											
2	Site Investigation and Seismic and Geotechnical Analysis - Subcontractor Scope											
3	FSAR Chapter 2 - Site Characteristics											
4	ER, Site Redress Plan, and EP											
5	FSAR Technology Chapters 4, 5, 6, 7 and 12											
6	FSAR Chapters 13, 14 and 16											
7	FSAR Chapters 1, 3, 8, 17, 18 and 19											
8	FSAR Chapters 9,10,11 and 15											
9	Programs, Procedures and Plan Separate from FSAR											
10	Conceptual Design separate from FSAR											
11	Project Management Activities											
12	Site Unique Scope not in RFP											
13	COLA Fieldwork											
14	Foundation Conceptual Design											
	Total											

Redacted

Note: For Task Redacted plus fee was not invoiced because of Earned Value limits

ATTACHMENT B

CONFIDENTIAL

SUMMARY OF APPROVED AND PENDING SCOPE REVISIONS BY IMPACT EVALUATION NUMBER

Month Ending February 2008

Impact Eval. No.	Description	Task #	Date	Amount	Status
13	Photogrammetric Survey	12	10/2/2006		WA Approved
13	Photogrammetric Survey - Project Management	11	10/2/2006		WA Approved
	Total				
14	Heat Rejection system Optimization Study	12	10/2/2006		WA Approved
14	Heat Rejection system Optimization Study -PM	11	10/2/2006		WA Approved
	Total				
25	Phase I Subcontractor Scope-	2	12/1/2006		WA Approved
25	Phase I In-house Scope	3	12/1/2006		WA Approved
25	Phase I Environmental Evaluations	4	12/1/2006		WA Approved
25	Wet and Dry Bulb Temperature Issue	8	12/1/2006		WA Approved
25	Phase I Tasks - PM and Ad Hoc Support	11	12/1/2006		WA Approved
25	Makeup Water and Blowdown Discharge	12	12/1/2006	Redacted	WA Approved
	Total				
27	Validation Package and Cost Escalation	1	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	2	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	3	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	4	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	5	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	6	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	7	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	8	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	9	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	10	2/2/2007		WA Approved
27	PM for Validation Package and Cost Escalation	11	2/2/2007		WA Approved
	Total				
28	Transfer in from Task #8	1	12/15/06		WA Approved
28	Transfer out to Task #4	3	12/15/06		WA Approved
28	Transfer in from Task #3	4	12/15/06		WA Approved
28	Transfer out to tasks #1 & #11	8	12/15/06		WA Approved
28	Transfer in from Tasks #8	11	12/15/06		WA Approved
	Total				
29	Met Tower Subcontractor	2	12/14/2006		WA Approved
29	Met tower - CH2 m In-house	3	12/14/2006		WA Approved
29	Met Tower - PM	11	12/14/2006	Redacted	WA Approved
	Total				
30	Delete ETE from scope for EP	4	12/15/2006		WA Approved
	Total				
33	Credit for Fieldwork scope in JV Proposal - Subcontract	2	01/23/07		WA Approved
33	Credit for Fieldwork/Lab Analysis scope in JV Proposal - CH2M In-house	3	01/23/07		WA Approved
33	Fieldwork/Lab Analysis scope - Subcontractor and CH2M In-house	13	01/23/07		WA Approved
33	Additional PM scope - Fieldwork/Lab Analysis	11	01/23/07		WA Approved
	Total				
34	P3v5 Conversion	11	2/19/2007		IE Approved
	Total				
35	Site Access Improvement	13	2/20/2007		IE Approved
	Total				
40	Fieldwork Phase I	2	2/28/2007		IE Approved

CONFIDENTIAL

ATTACHMENT B

SUMMARY OF APPROVED AND PENDING SCOPE REVISIONS BY IMPACT EVALUATION NUMBER

Month Ending **February 2008**

Impact Eval. No.	Description	Task #	Date	Amount	Status
40	Fieldwork/Lab Analysis	3	2/28/2007		IE Approved
40	Environmental scope for PPSA and Greenway	4	2/28/2007		IE Approved
40	Additional PM - Fieldwork & ER	11	2/28/2007		IE Approved
	Total				
43	Wetland drilling and tree removal	13	5/1/2007		IE Approved
43	Additional PM scope - Drilling	11	5/1/2007		IE Approved
	Total				
45	Site Grading and Drainage	12	5/14/2007		IE Approved
45	Additional PM scope - Grading & Drainage	11	5/14/2007	Redacted	IE Approved
	Total				
50	Aquatic Ecological Sampling	4	7/2/2007		IE Approved
50	Additional PM scope	11	7/2/2007		IE Approved
	Total				
51	Geomatrix - Karst	2	6/22/2007		IE Approved
51	Deep Holes Investigations	13	6/22/2007		IE Approved
51	Additional PM scope	11	6/22/2007		IE Approved
	Total				
52	Supplementary Borings	13	5/22/2007		IE Approved
52	Additional PM scope	11	5/22/2007		IE Approved
	Total				
55	WWS Treatment	12	7/5/2007		IE Approved
55	Additional PM scope	11	7/5/2007		IE Approved
	Total				
56	WWS Biocide	12	7/5/2007		IE Approved
56	Additional PM scope	11	7/5/2007		IE Approved
	Total				
57	Filters	12	7/5/2007		IE Approved
57	Additional PM scope	11	7/5/2007		IE Approved
	Total				
58	Turbine Island Chemicals	12	7/6/2007		IE Approved
58	Additional PM scope	11	7/6/2007		IE Approved
	Total				
59	Cooling Tower	12	7/6/2007	Redacted	IE Approved
59	Additional PM scope	11	7/6/2007		IE Approved
	Total				
61	CW Make-up Water system	12	7/6/2007		IE Approved
61	Additional PM scope	11	7/6/2007		IE Approved
	Total				
62	CW Blowdown System	12	7/6/2007		IE Approved
62	Additional PM scope	11	7/6/2007		IE Approved
	Total				
63	Excess Storm Water	12	7/6/2007		IE Approved
63	Additional PM scope	11	7/6/2007		IE Approved
	Total				
64	Raw Water System	10	7/6/2007		IE Approved
64	Additional PM scope	11	7/6/2007		IE Approved
	Total				
66	Potable Water System	8	7/6/2007		Rejected
66	Additional PM scope	11	7/6/2007		Rejected
	Total				

ATTACHMENT B

CONFIDENTIAL

SUMMARY OF APPROVED AND PENDING SCOPE REVISIONS BY IMPACT EVALUATION NUMBER

Month Ending February 2008

Impact Eval. No.	Description	Task #	Date		Status
67	Fresh Water	4	7/6/2007		IE Approved
67	Additional PM scope	11	7/6/2007		IE Approved
	Total				
68	ER Blowdown	4	8/6/2007		IE Approved
68	Additional PM scope	11	8/6/2007		IE Approved
	Total				
69	Geotechnical Blowdown	13	8/6/2007		Rejected
69	Additional PM scope	11	8/6/2007		Rejected
	Total				
71	NRC ER Visit	4	8/6/2007		IE Approved
71	Additional PM scope	11	8/6/2007		IE Approved
	Total				
84	Subcontractor M&T Costs	2	11/22/2007	Redacted	IE Approved
84	Additional PM scope	11	11/22/2007		IE Approved
	Total				
85	Met Data Analysis	3	11/22/2007		IE Approved
85	Additional PM scope	11	11/22/2007		IE Approved
	Total				
86	Foundation Design - Interim Release 1	14	11/22/2007		IE Approved
	Total				
87	Downhole Review	13	11/22/2007		IE Approved
87	Additional PM scope	11	11/22/2007		IE Approved
	Total				
88	Marion County GIS	4	11/22/2007		IE Approved
88	Additional PM scope	11	11/22/2007		IE Approved
	Total				
90	100 Year Temperatures	8	11/22/2007		IE Approved
90	Additional PM scope	11	11/22/2007		IE Approved
	Total				
100	Land Use Survey	3	11/22/2007		IE Approved
100	Additional PM scope	11	11/22/2007		IE Approved
	Total				
101	Cultural Resources	4	11/22/2007		IE Approved
101	Additional PM scope	11	11/22/2007		IE Approved
	Total				
102	Foundation Design - Full scope	14	12/8/2007		IE Approved
102	Additional PM scope	11	12/8/2007		IE Approved
	Total				
103	Foundation Design - Interim Release 2	14	12/19/2007	Redacted	IE Approved
	Total				
104	S/R Temperature Calculation	8	12/21/2007		IE Approved
104	Additional PM scope	11	12/21/2007		IE Approved
	Total				
109	July 2008 COLA Submittal	11	12/30/2007		Pending
	Total				
114	FIRS Time History	2	12/30/2007		IE Approved
114	Additional PM scope	11	12/30/2007		IE Approved
	Total				
115	Blowdown Pipe Routing ER	4	1/2/2008		IE Approved
115	Blowdown Pipe Routing Engineering	12	1/2/2008		IE Approved

CONFIDENTIAL

ATTACHMENT B

SUMMARY OF APPROVED AND PENDING SCOPE REVISIONS BY IMPACT EVALUATION NUMBER

Month Ending February 2008

Impact Eval. No.	Description	Task #	Date	Amount	Status
115	Additional PM scope	11	1/2/2008		IE Approved
	Total				
118	Cultural Resources Lybass	4	1/3/2008		IE Approved
118	Additional PM scope	11	1/3/2008		IE Approved
	Total				
119	Water Quality Sampling	4	1/5/2008		Rejected
119	Additional PM scope	11	1/5/2008		Rejected
	Total				
120	NRC ER Pre-application Meeting II	4	1/5/2008		IE Approved
	Total				
121	NRC Foundation Meeting	11	1/5/2008	Redacted	IE Approved
	Total				
122	FMEA_Switchyard	7	1/5/2008		IE Approved
	Total				
125	Soil Resistivity	7	1/3/2008		IE Approved
125	Additional PM scope	11	1/3/2008		IE Approved
	Total				
126	NRC ER Documentation	4	1/3/2008		IE Approved
126	Additional PM scope	11	1/3/2008		IE Approved
	Total				
127	FSAR 2.5.4 CH2M Scope Reduction	4	1/3/2008		Pending
	Total				
128	Hydrology Scope CR Blowdown	3	1/2/2008		Pending
128	ER Scope CR Blowdown	4	1/2/2008		Pending
128	Additional PM scope	11	1/2/2008		Pending
129	Design Scope CR Blowdown	12	1/3/2008		IE Approved
129	Additional PM scope	11	1/3/2008	Redacted	IE Approved
	Total				
130	RCC Test Pads	14	2/12/2008		Pending
	Total				
131	Groundwater Model	4	2/6/2008		IE Approved
131	Additional PM scope	11	2/6/2008		IE Approved
	Total				
133	ER Chapter 7 Adjustments	4	2/14/2008		Rejected
133	Additional PM scope	11	2/14/2008		Rejected
	Total				
146	Foundation Design - Interim Release 3	14	2/26/2008		IE Approved
	Total				

Total WA Amount Approved	
Total Amount IE Approved	
Total Amount Pending Approval	

ATTACHMENT C

CONFIDENTIAL

Monthly Performance Summary

Month Ending February 2008

Task #	Description	Client Budget MH	Client Budget $	% Complete	% Scheduled	BCWS MH	BCWS $	BCWP MH	BCWP $	ACWP MH	ACWP $	SV MH	SV $	CV MH	CV $	SPI MH	SPI $	CPI MH	CPI $
1	Prepare/Submit COLA, DCD Departure Report, and General and Administrative Requirements																		
	Target Price																		
	Direct Expenses including Travel																		
2	Site Investigation and Seismic and Geotechnical																		
	Target Price																		
	Direct Expenses including Travel																		
3	FSAR Chapter 2 - Site Characteristics																		
	Target Price																		
	Direct Expenses including Travel																		
4	ER, Site Redress Plan, and EP																		
	Target Price																		
	Direct Expenses including Travel																		
5	FSAR Technology Chapters 4, 5, 6, 7 and 12																		
	Target Price																		
	Direct Expenses including Travel																		
6	FSAR Chapters 13, 14 and 18																		
	Target Price																		
	Direct Expenses including Travel																		
7	FSAR Chapters 1, 3, 9, 17, 19 and 19																		
	Target Price																		
	Direct Expenses including Travel																		
8	FSAR Chapters 8,10,11 and 15																		
	Target Price																		
	Direct Expenses including Travel																		
9	Programs, Processes and Plan Separate from F																		
	Target Price																		
	Direct Expenses including Travel																		
10	Conceptual Design separate from FSAR																		
	Target Price																		
	Direct Expenses including Travel																		
11	Project Management Activities																		
	Target Price																		
	Direct Expenses including Travel																		
12	Site Unique Scope not in RFP																		
	Target Price																		
	Direct Expenses including Travel																		
13	COLA Fieldwork																		
	T&M Price																		
	Direct Expenses including Travel																		
14	Foundation Design																		
	T&M Price																		
	Direct Expenses including Travel																		
	Total Target Price																		
	Total Direct Expenses including Travel																		

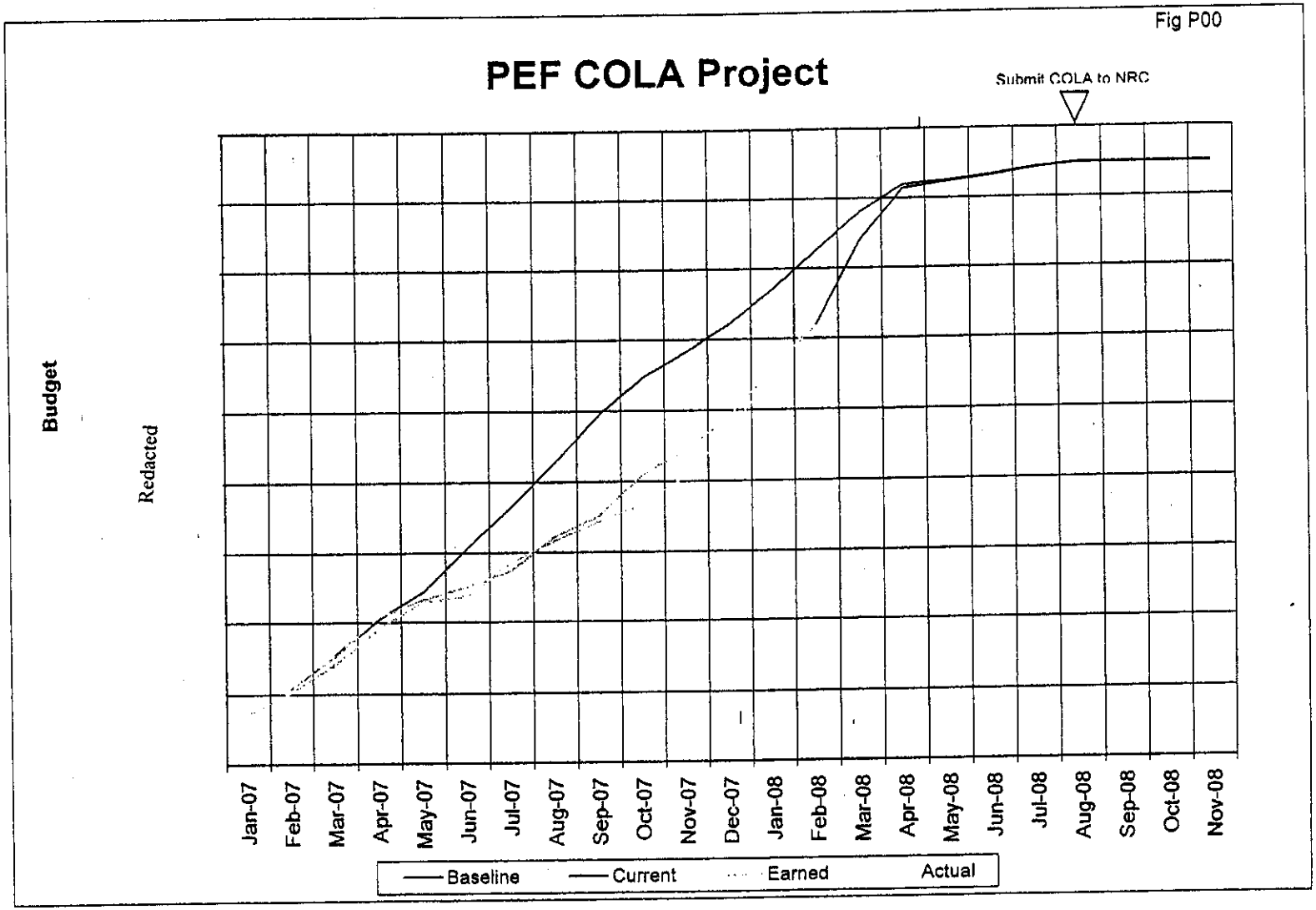
Redacted

Key:

- % Complete: This reflects the current stage of the task and thus helps gage the significance of the performance data.
- BCWS: Budgeted Cost of Work Scheduled: This reflects the value of the work that was to be complete by this point in time per the work plan.
- BCWP: Budgeted Cost of Work Performed: This reflects the value of the work that has been completed (Earned Value)
- ACWP: Actual Cost of Work Performed: This reflects the actual expenditure to date
- SV: Schedule Variance (SV = BCWP - BCWS): This measures the deviation from the project schedule (negative no. indicates behind schedule)
- CV: Cost Variance (CV = BCWP - ACWP): This measures the deviation from the project budget (negative no. indicates budget overrun)
- SPI: Schedule Performance Index (SPI = BCWP/BCWS): This reflects performance relative to project schedule. (> 1.0 indicates ahead of schedule)
- CPI: Cost Performance Index (CPI = BCWP/ACWP): This reflects performance relative to project budget. (> 1.0 indicates under budget)

CONFIDENTIAL

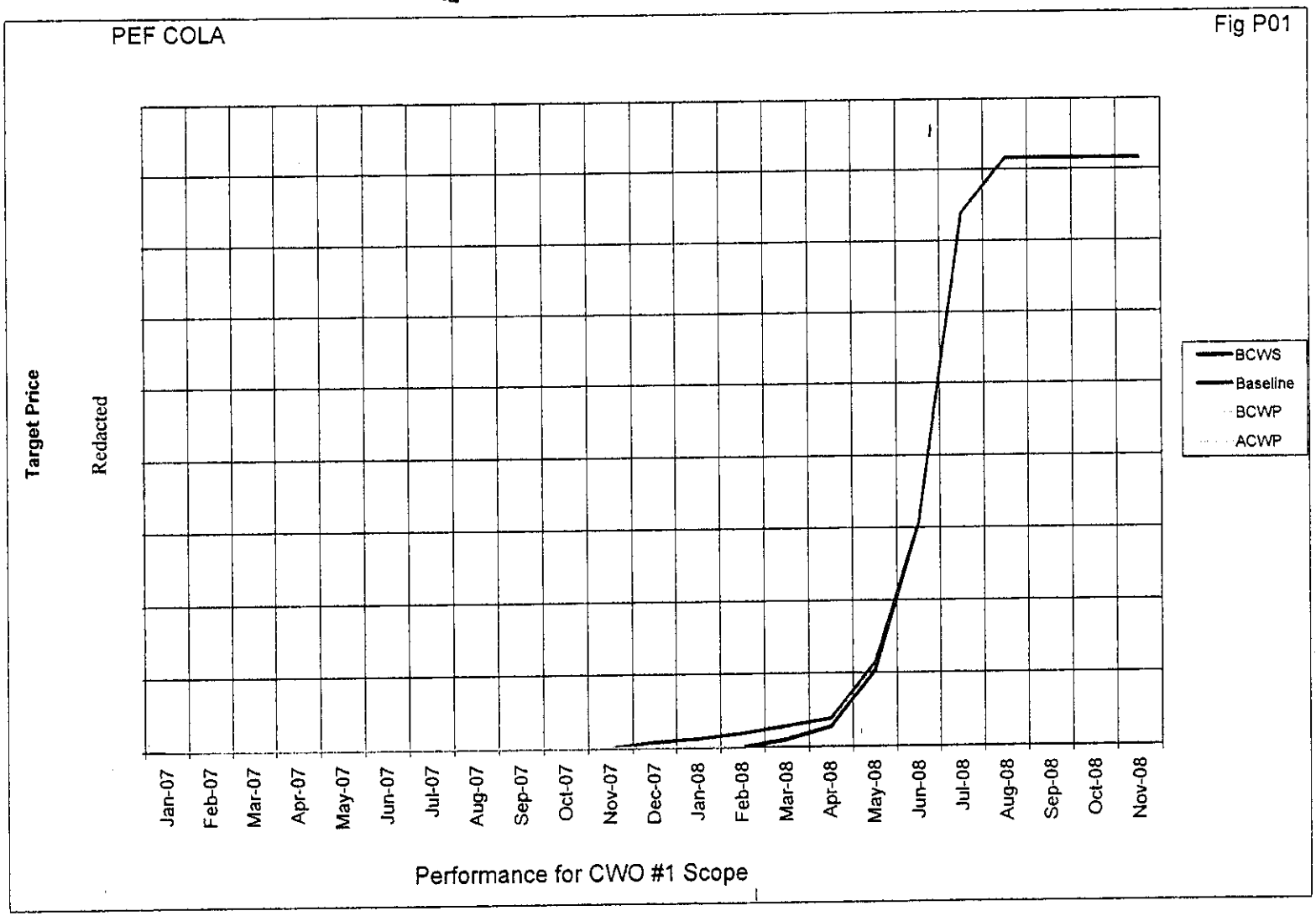
Fig P00



CONFIDENTIAL

PEF COLA

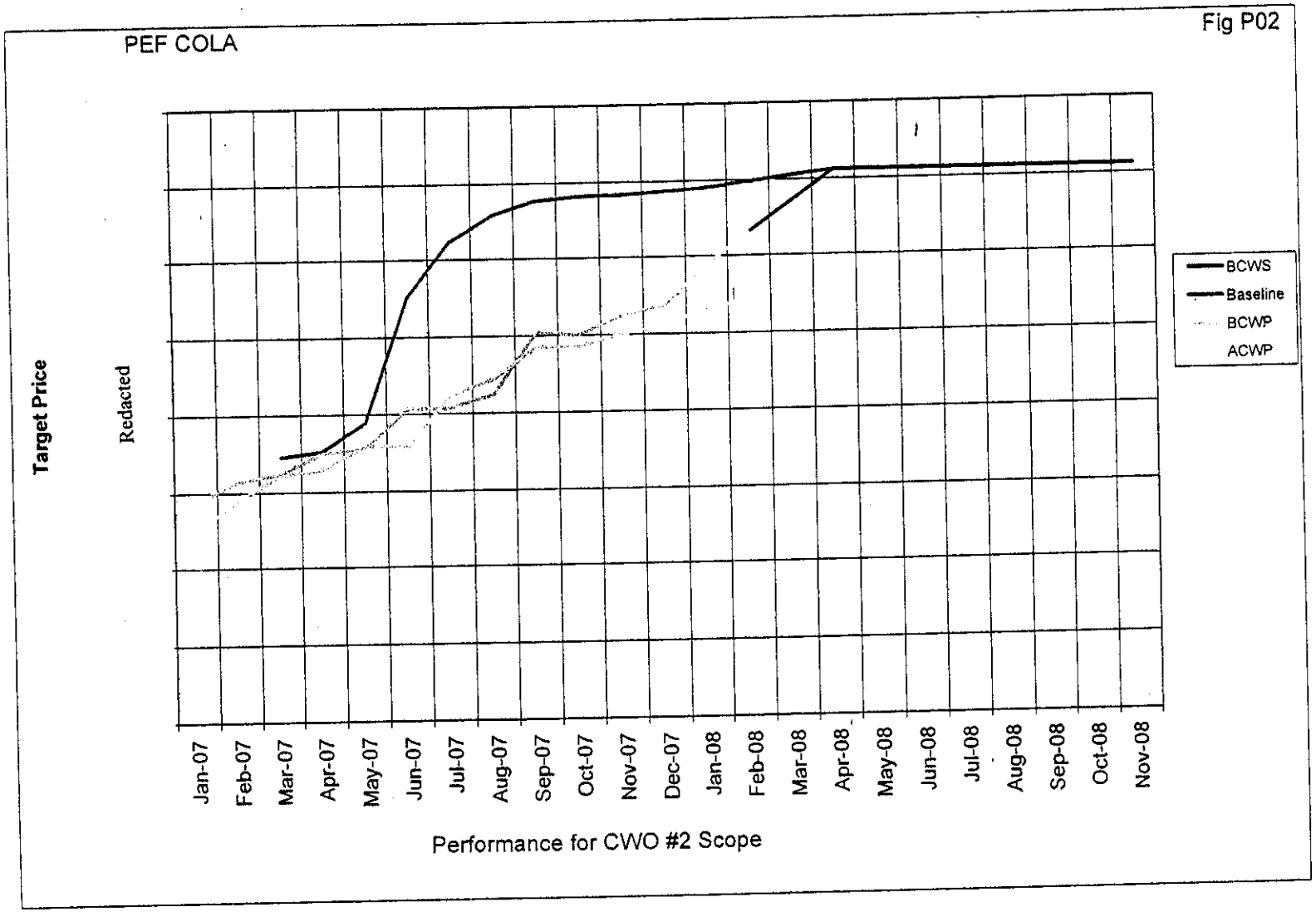
Fig P01



[1] CONFIDENTIAL

Fig P02

PEF COLA



CONFIDENTIAL

Fig P03

PEF COLA

CONFIDENTIAL

PEF COLA

Fig P04

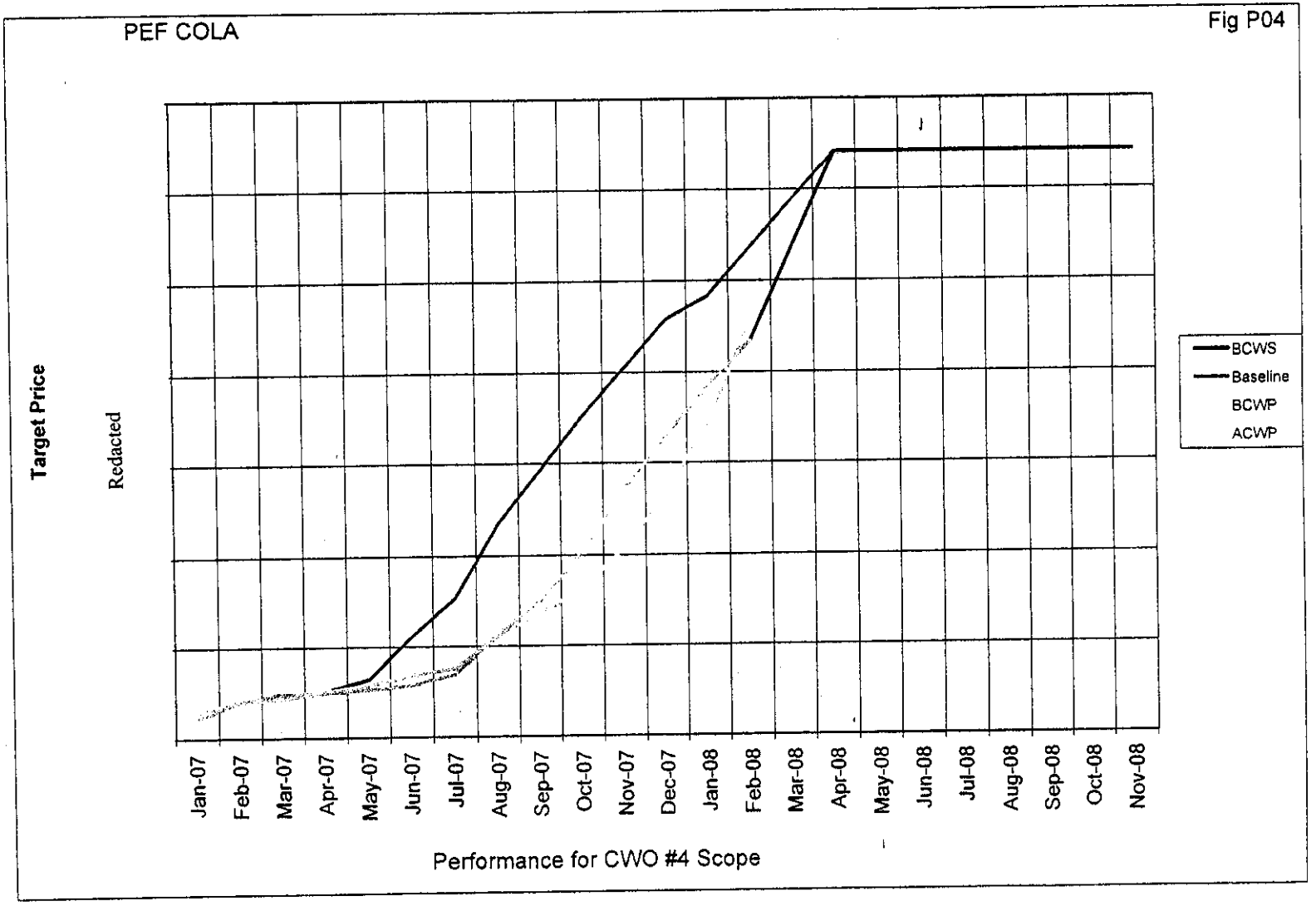
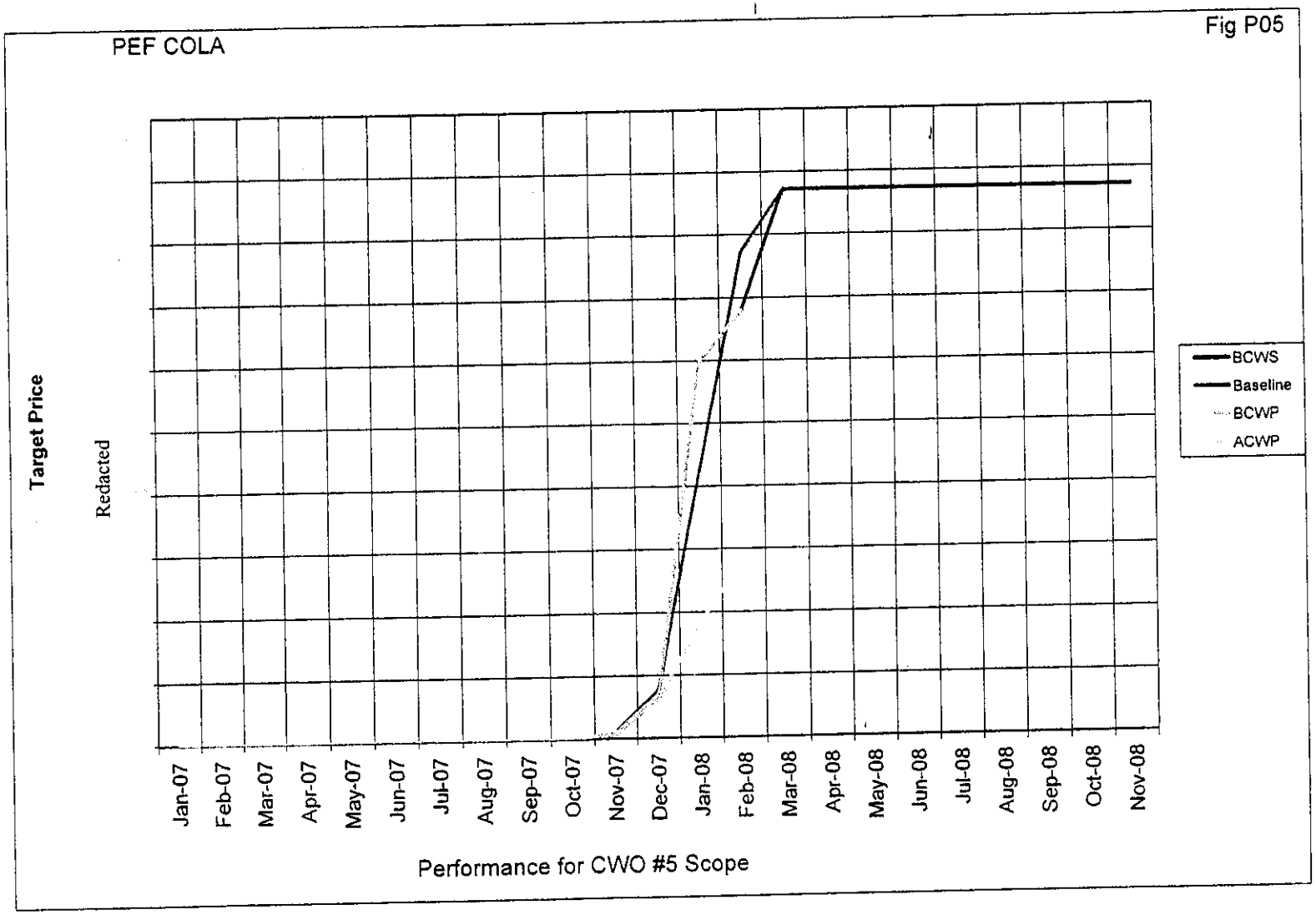


Fig P05


PEF COLA
Target Price
Redacted
Jan-07
Feb-07
Mar-07
Apr-07
May-07
Jun-07
Jul-07
Aug-07
Sep-07
Oct-07
Nov-07
Dec-07
Jan-08
Feb-08
Mar-08
Apr-08
May-08
Jun-08
Jul-08
Aug-08
Sep-08
Oct-08
Nov-08
BCWS
Baseline
BCWP
ACWP
Performance for CWO #5 Scope

CONFIDENTIAL

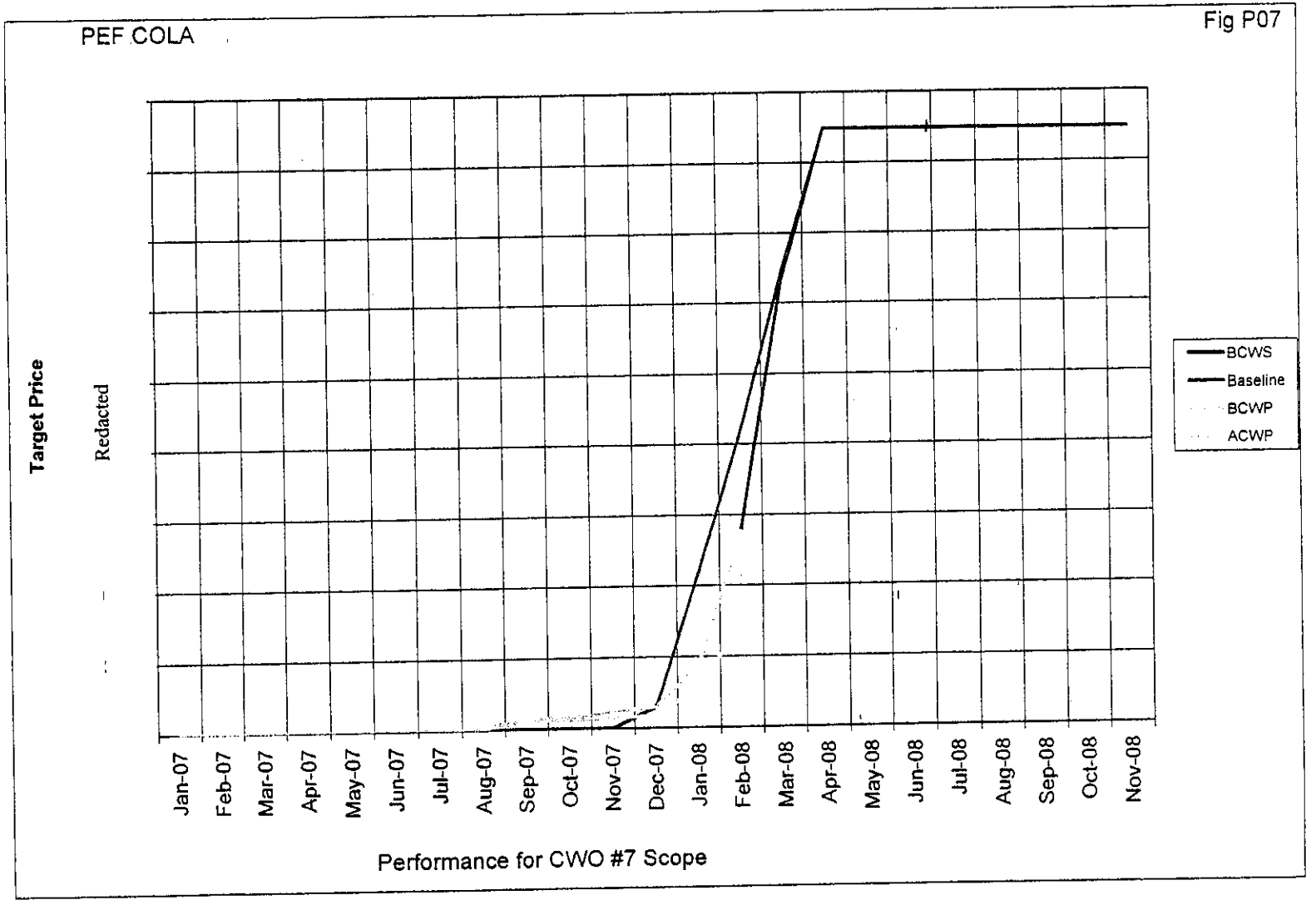
Fig P06

PEF COLA

CONFIDENTIAL

Fig P07

PEF COLA



CONFIDENTIAL

Fig P08

PEF COLA

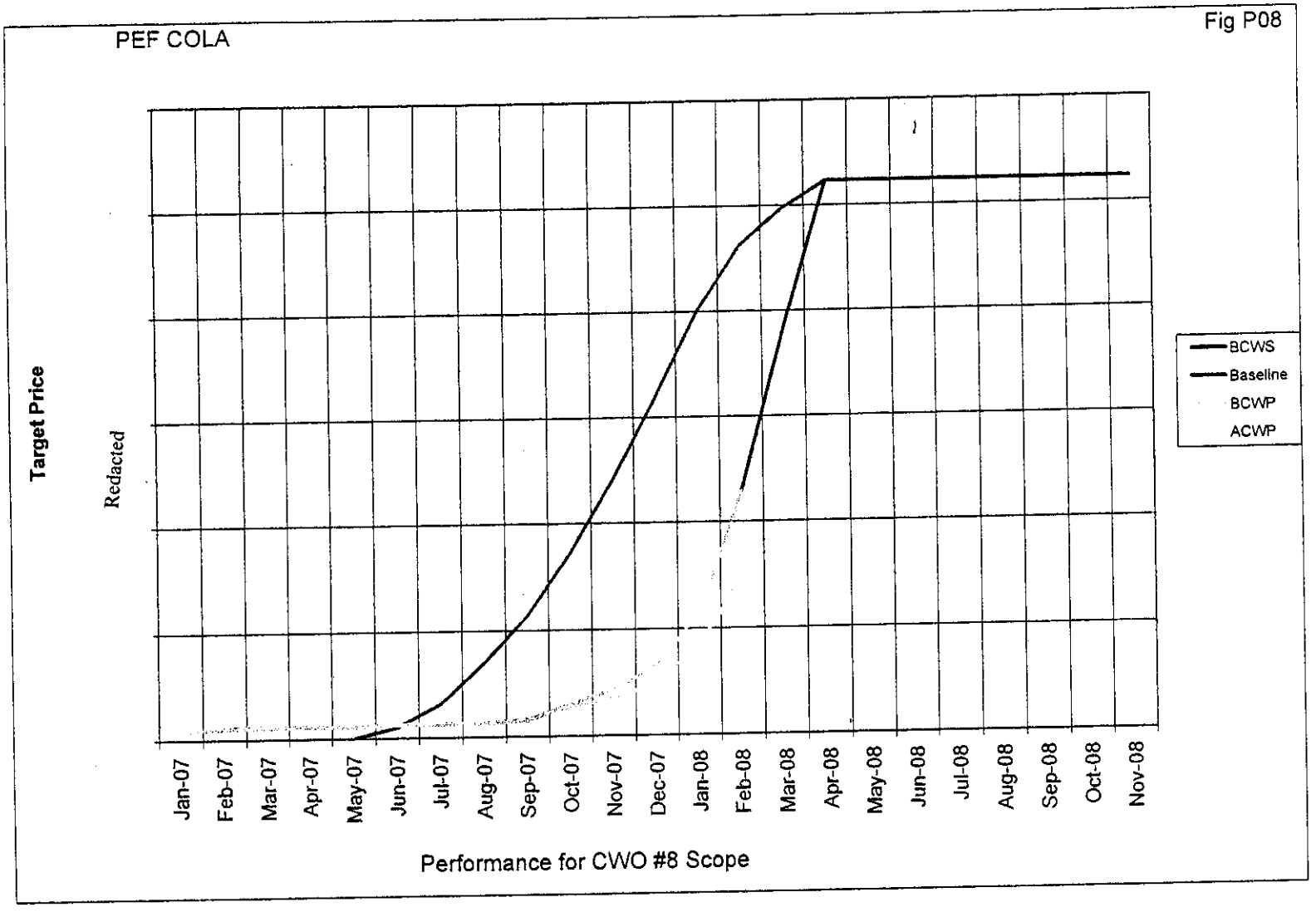
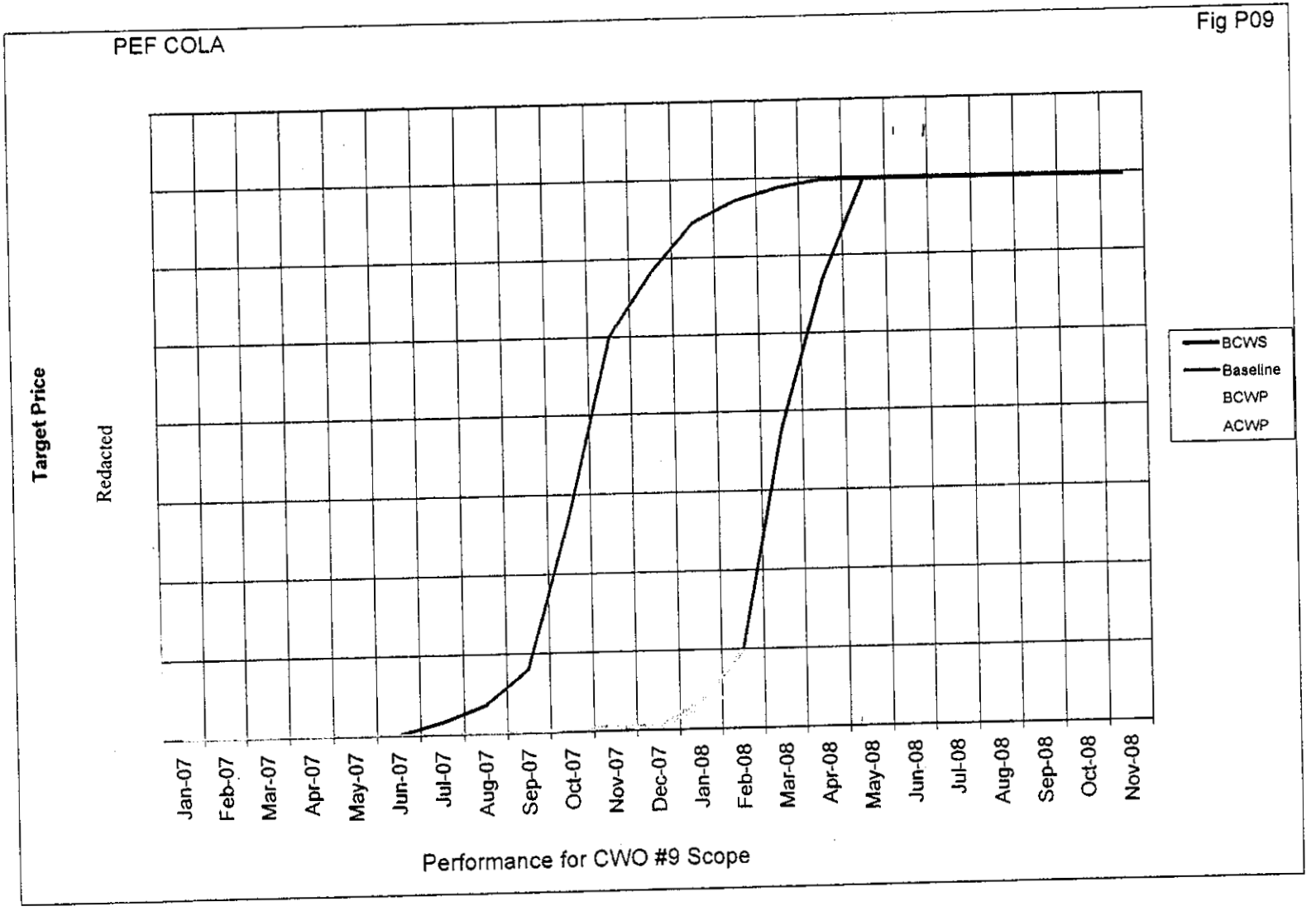


Fig P09


PEF COLA
Target Price
Redacted
Jan-07
Feb-07
Mar-07
Apr-07
May-07
Jun-07
Jul-07
Aug-07
Sep-07
Oct-07
Nov-07
Dec-07
Jan-08
Feb-08
Mar-08
Apr-08
May-08
Jun-08
Jul-08
Aug-08
Sep-08
Oct-08
Nov-08
BCWS
Baseline
BCWP
ACWP
Performance for CWO #9 Scope

CONFIDENTIAL

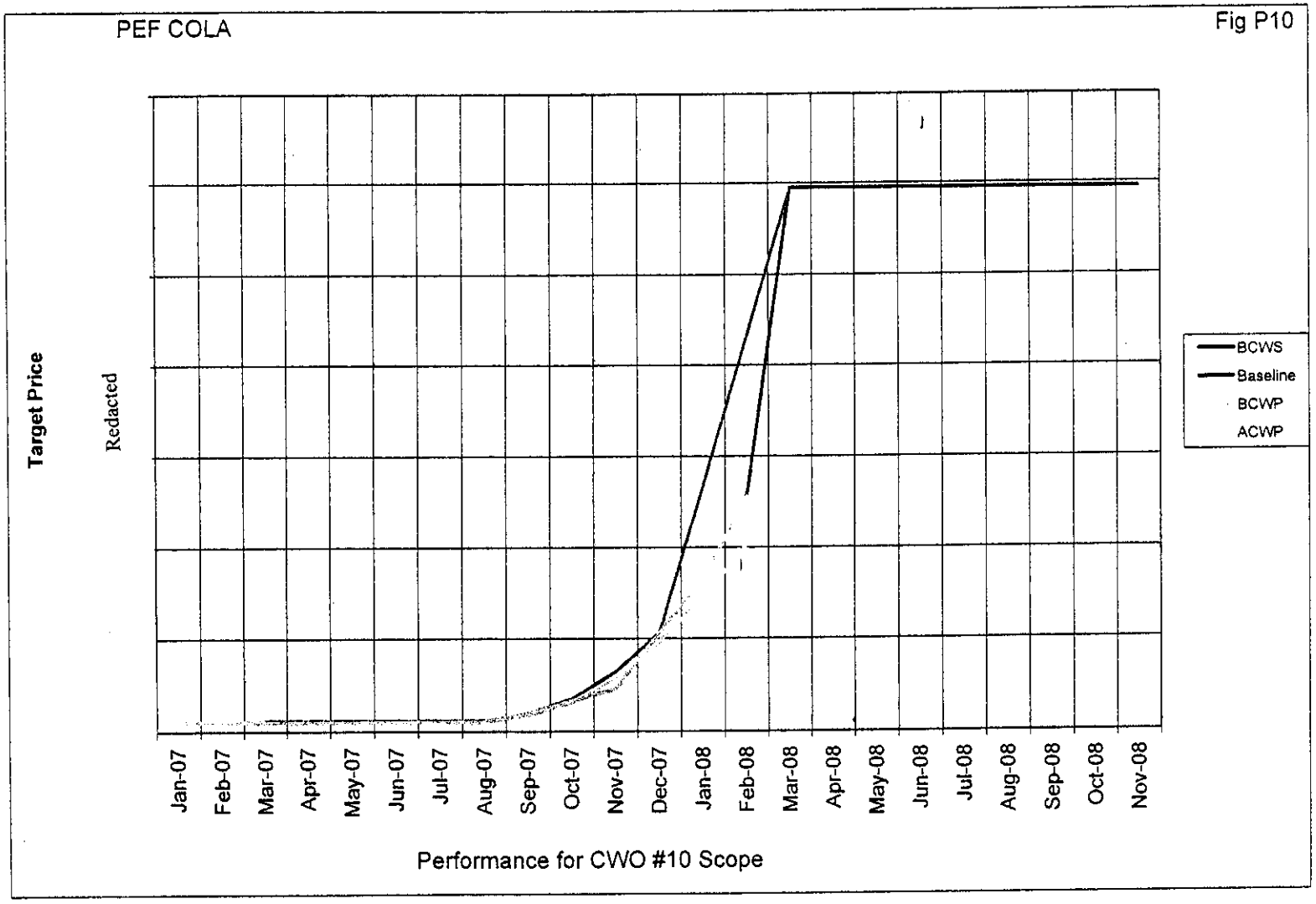
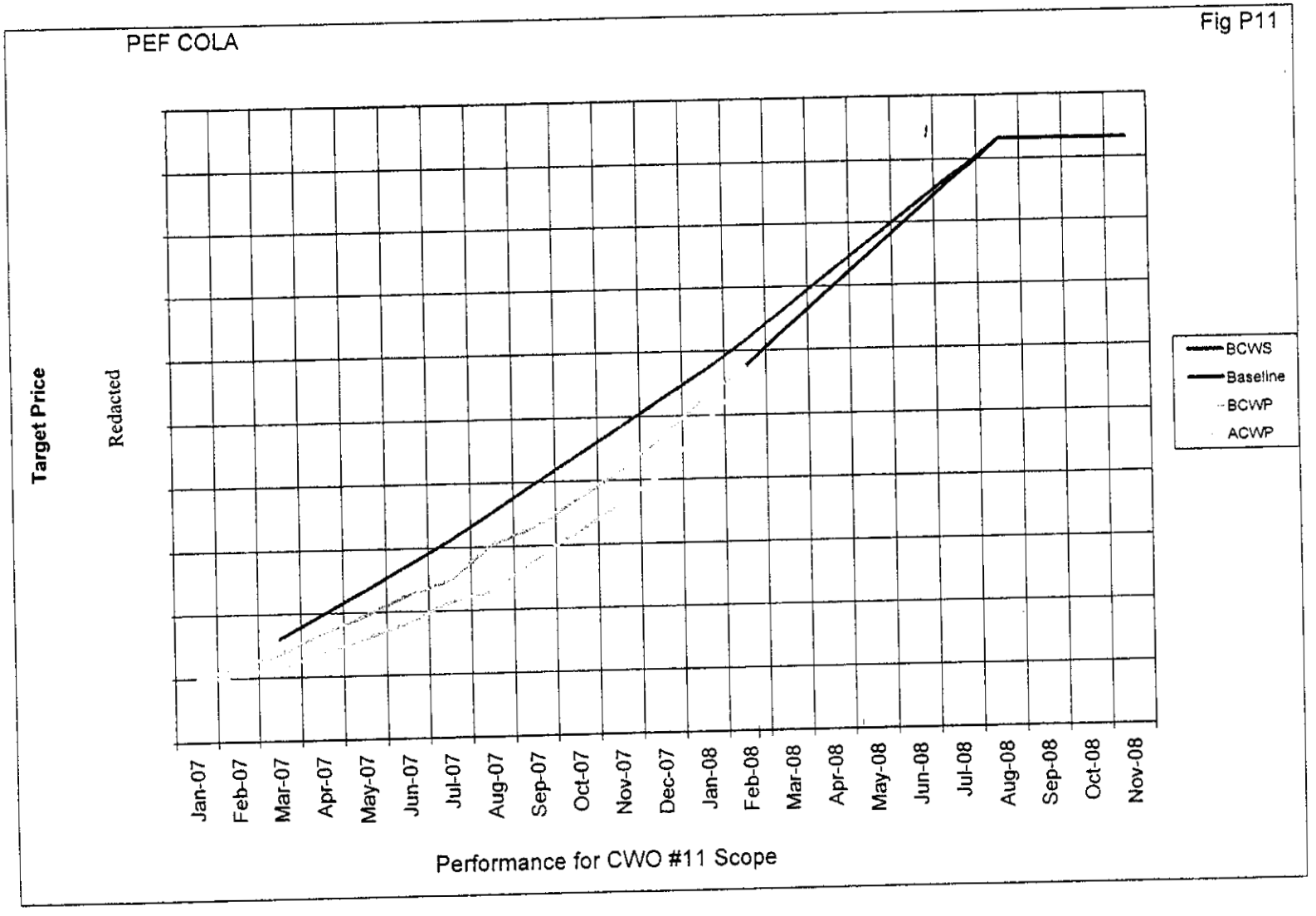


Fig P11

PEF COLA



CONFIDENTIAL

Fig P12

PEF COLA

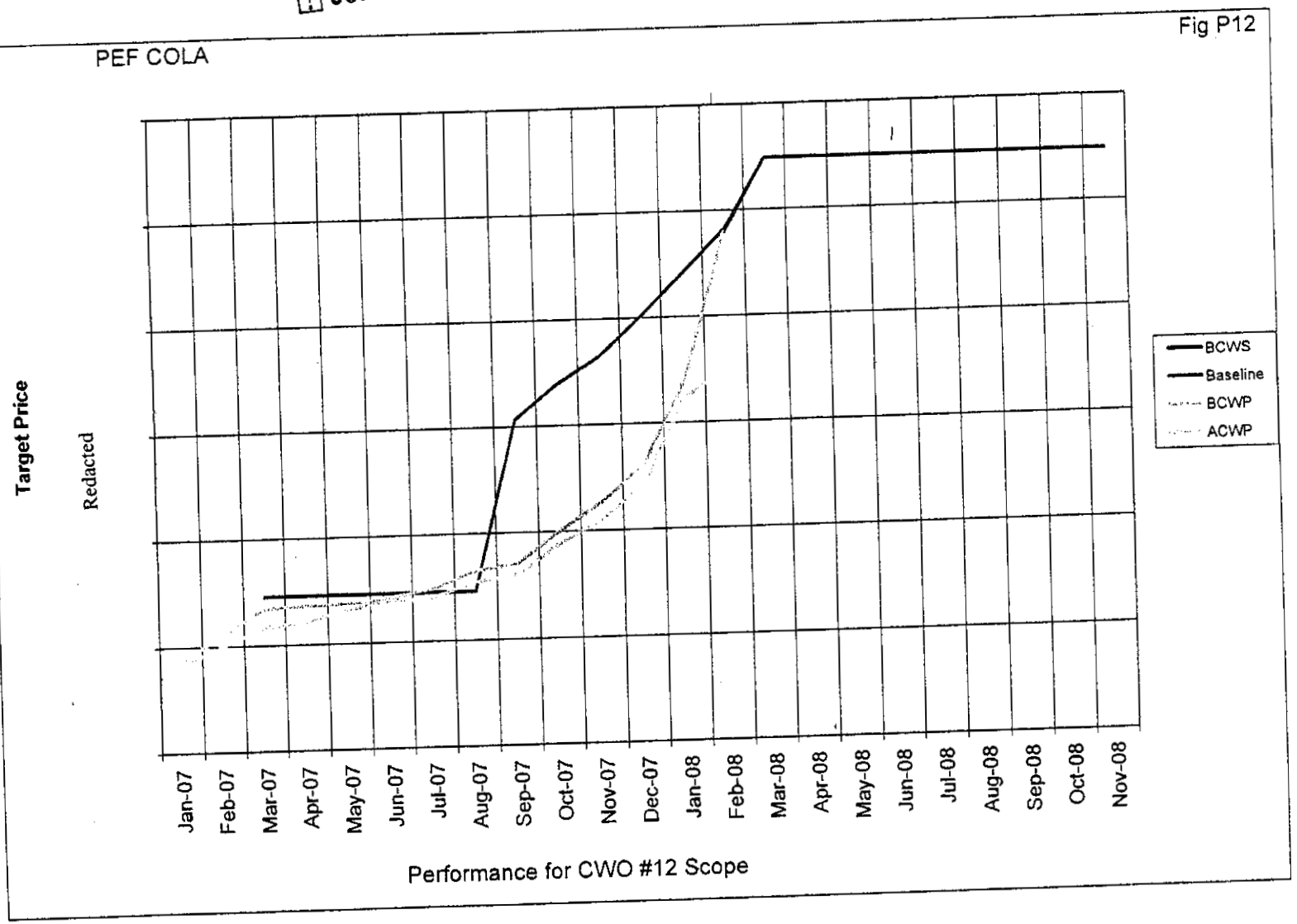
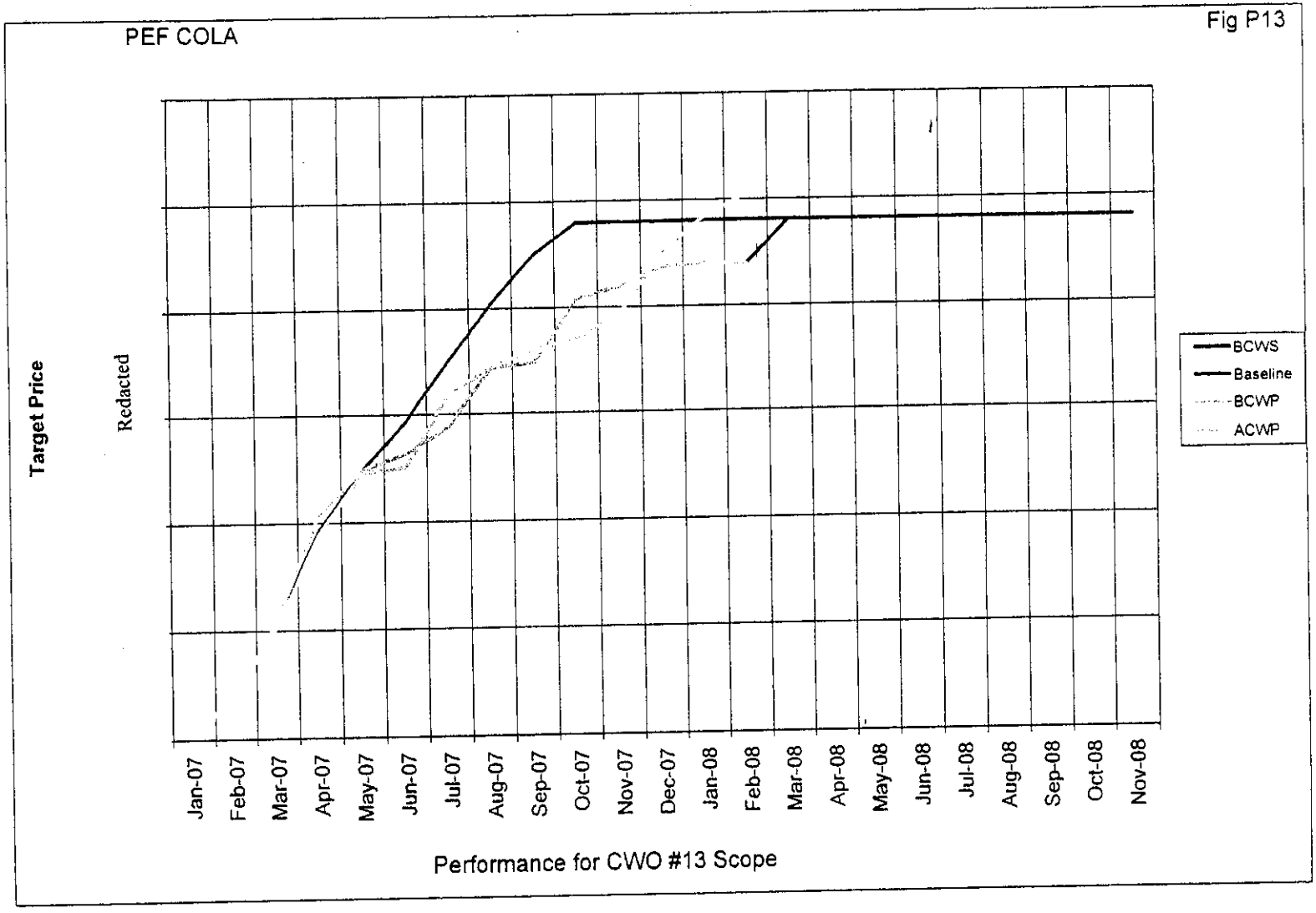


Fig- 13

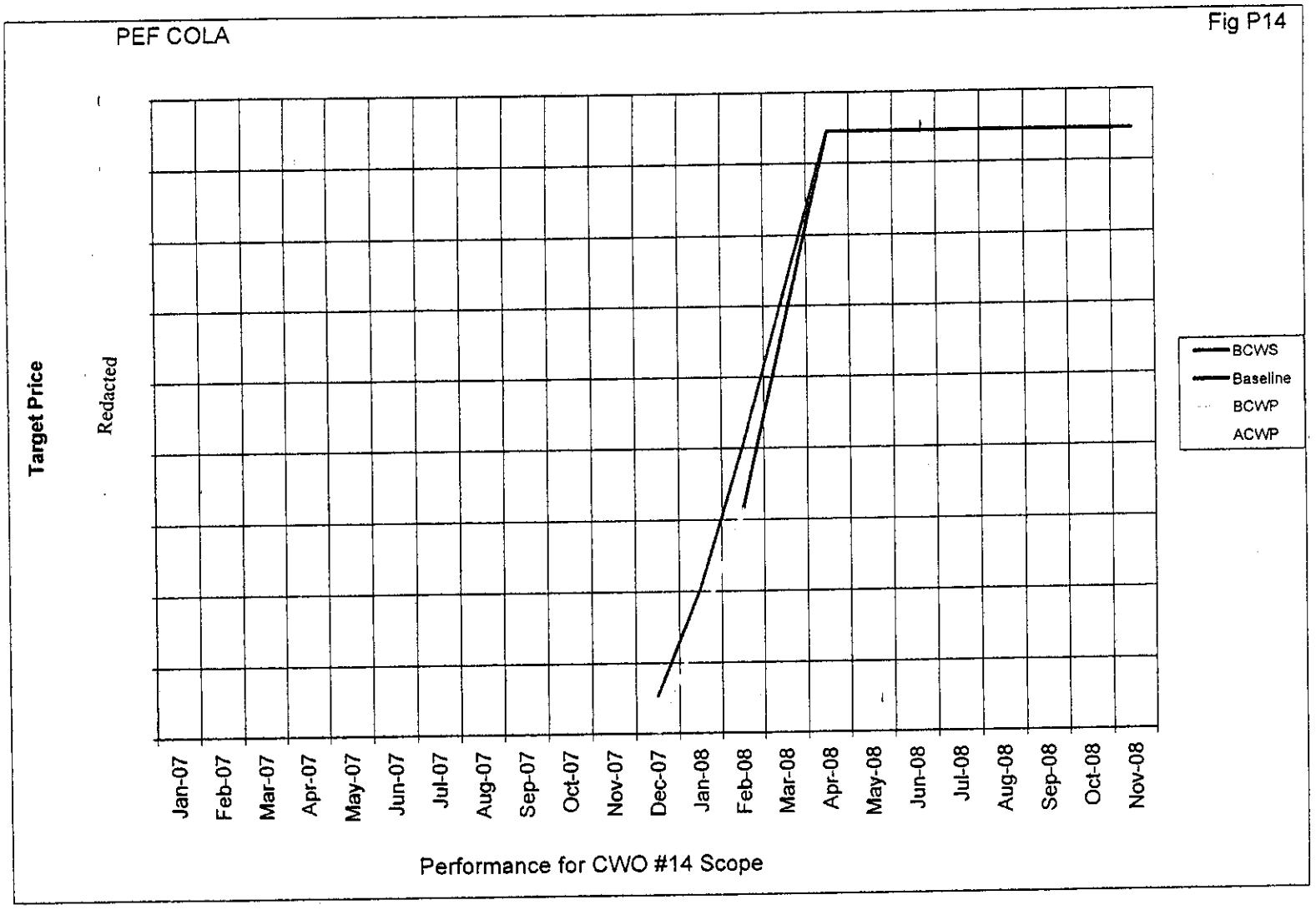
CONFIDENTIAL



CONFIDENTIAL

Fig P14

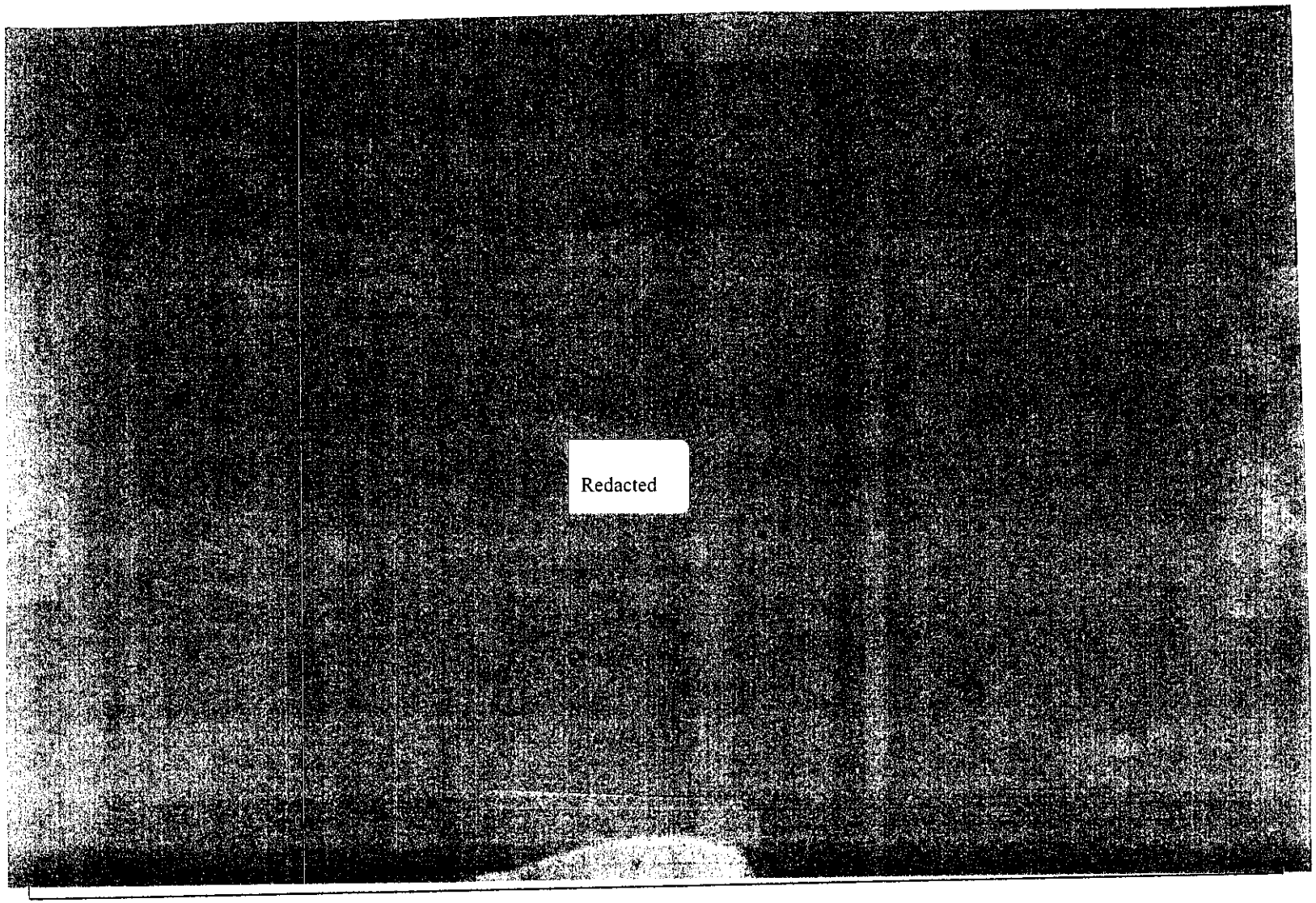
PEF COLA



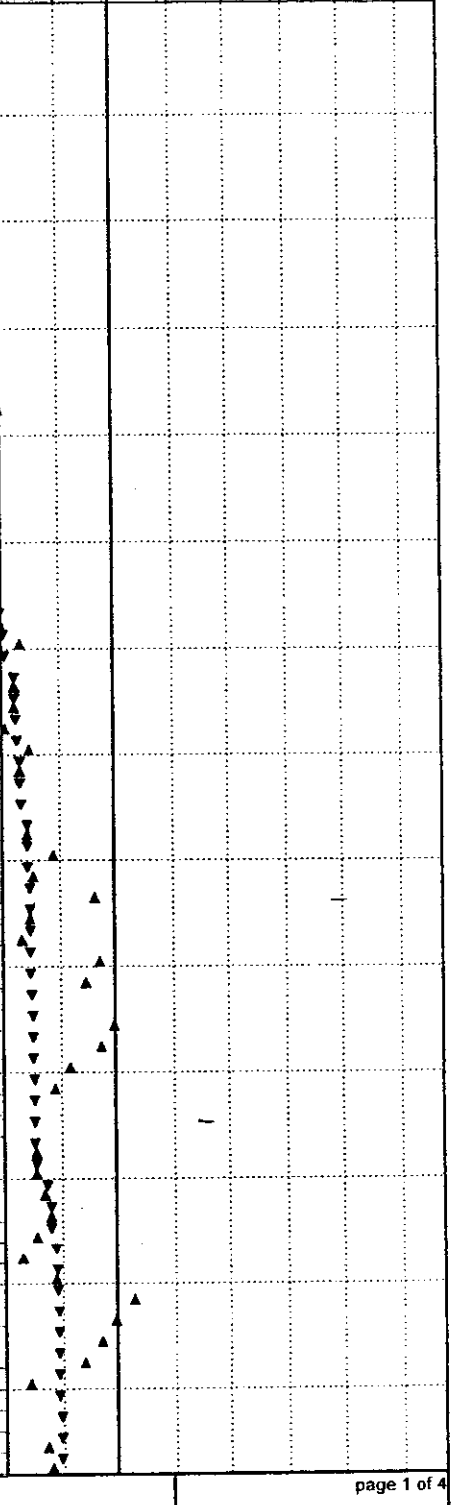
14 PAGES

CONFIDENTIAL

CONFIDENTIAL



Activity ID	RESP	Task Name	Finish	Baseline Finish	BL Var	Float
LNP COLA - PEF R-15			03-01-08	03-01-08	0	-1
074	PE-CIV	OAR for GA	07/09/07 A	07/09/07	0	
075	SL	Finalize GA	07/31/07 A	07/31/07	0	
318	PE	PE Market Analysis / Need for Power Input	09/14/07 A	09/14/07	1	
308	PE	PE Input on Alternatives	10/01/07 A	10/01/07	0	
208	CH2	Tech Edit / Submit OAR ER Chp 1 (Rev C)	10/10/07 A	10/10/07	1	
LS08-060	PE	OAR Potable Water System	10/12/07 A	10/12/07	0	
629	PE-ELE	PGN Provide Transmission Line Description & Dwg Line Routes	10/16/07 A	10/16/07	0	
165	CH2	Receive Data From Geomatrix (2.5.1)	10/26/07 A	10/26/07	0	
209	PE-ENV	Owner Review Process ER Chp 1	11/05/07 A	11/05/07	1	
369	CH2	Tech Edit / Submit OAR EP (Rev C)	11/15/07 A	11/15/07	1	
LS09-060	PE	OAR Biocide Pump	11/16/07 A			
370	PE-EP	Owner Review	11/30/07 A	11/30/07	1	
298	PE	PE Input on Need For Power	11/30/07 A	11/30/07	0	
LS11-060	PE	OAR Biocide for Potable Water	12/03/07 A			
006	JV	NuStart COLA submitted	12/03/07 A	12/03/07	0	
209.2	CH2	Submit ER Chp 1 Rev D	12/05/07 A	12/05/07	0	
371	CH2	Submit EP Rev D	12/13/07 A	12/13/07	1	
127	CH2	Long-Term Diffusion Estimates (COL Item 2.3-5)	12/14/07 A	12/31/07	12	
LS06-015	SL	Conceptual Design Waste Water Treatment System / Submit OAR	12/14/07 A	12/14/07	1	
LS08-080	SL	Issue Final Report Potable Water System	12/14/07 A	12/14/07	1	
LS09-080	SL	Issue Final Report Biocide Pump	12/14/07 A			
PCR012	PCR	Obtain & review draft geotechnical inputs from CH2M	12/17/07 A	12/17/07	1	
LS02-012	PE	PE Decision on Pipe	12/17/07 A	12/17/07	0	
LS04-007	PE	PE Decision on Pipe	12/17/07 A	12/17/07	0	
PCR125	PCR	Foundation Concept with Carl Costantino	12/19/07 A	12/19/07	0	
125	CH2	CH Provide Onsite Meteorological Data Input for CH/O to WP	12/28/07 A	12/04/07	-17	
LS06-100	PE	OAR WWS	12/28/07 A	12/28/07	0	
743	CH2	Analysis - Aquatic Sampling #1	12/31/07 A	12/31/07	0	
499	SL	Submit OAR FSAR Chapter 17	01/03/08 A	01/11/08	7	
168	CH2	Tech Edit / Finalize Section (2.5.1) (Rev C)	01/03/08 A	12/28/07	-4	
403	SL	Internal Review / Comments Resolution / Submit OAR Chapter 12	01/08/08 A	01/08/08	0	
619	PE-BOP	Begin OAR - CWS	01/08/08 A	01/08/08	0	
374	WP	Issue Chapter 4 to Client for OAR	01/09/08 A	01/03/08	-3	
500	PE-QA	OAR - Chapter 17	01/10/08 A	01/15/08	4	
PCR126	PCR	Meeting with NRC Foundation Concept	01/10/08 A	01/10/08	0	
631	PE-ELE	PGN Provide Desired Configuration of Switchyard	01/11/08 A	12/17/07	-18	
LS11-080	SL	Issue Final Report Biocide for Potable Water	01/11/08 A			
688	CH2	13.02 Lab Analysis (S&ME)	01/14/08 A	01/14/08	0	
389	WP	Internal Review / Comments Resolution / Submit OAR Chapter 6	01/15/08 A	01/28/08	10	
883	SL	Submit OAR Grading, Drain, SW	01/15/08 A	01/17/08	3	
379	WP	Internal Review / Comments Resolution / Submit OAR Chapter 5	01/15/08 A	02/19/08	25	
480	PE-ELE	PEF Provide Transmission System Interconnections	01/15/08 A	01/15/08	0	
375	PE	OAR - Chapter 4	01/16/08 A	01/11/08	-2	
380	PE-NSSS	OAR - Chapter 5	01/16/08 A	02/21/08	27	
419	WP	Internal Review / Comments Resolution / Submit OAR Chapter 16	01/16/08 A	02/14/08	22	
637	SL	Issue Switchyard One-Line for OAR	01/16/08 A			
382	WP	Issue Finalize Chapter 5	01/17/08 A	02/29/08	31	
396	SL	Internal Review / Comments Resolution / Submit OAR Chapter 7	01/17/08 A	02/22/08	27	
514	SL	Issue Chapter 19 to Client for OAR	01/17/08 A	02/05/08	14	
488.2	PE	PE Input on Outage - RFI 298	01/18/08 A	01/28/08	7	
635	PE-ELE	PGN Provide Description of Existing Offsite Power Test & Inspection Proc...	01/18/08 A	12/17/07	-24	
697	CH2	13.03 Geophysical Data (Geovision)	01/18/08 A			
PCR030	PCR	Issue Draft Design Concept of Subsurface to WEC	01/18/08 A	01/18/08	1	
169	CH2	Receive Data From Geomatrix (2.5.3)	01/18/08 A	01/18/08	0	
LS04-150	SL	Issue Report for OAR Blowdown System	01/24/08 A	01/22/08	-1	
247	CH2	Tech Edit / Submit OAR ER Chp 3 (Rev C)	01/25/08 A	01/25/08	0	
PCR032	PCR	Obtain Final Geotechnical Inputs from CH2M	01/25/08 A	01/18/08	-5	
404	PE-RP	OAR Chapter 12	01/28/08 A	01/10/08	-12	
305	CH2	Tech Edit / Submit OAR ER Chp 8 (Rev C)	01/29/08 A	01/28/08	0	
399	SL	Issue Finalize Chapter 7	01/29/08 A	03/10/08	29	
397	PE	OAR Issue Chapter 7	01/29/08 A	02/29/08	23	
420	PE-LIC	OAR - Chapter 16	01/29/08 A	02/21/08	17	
515	PE-PRA	OAR - Chapter 19	01/30/08 A	02/12/08	10	
619.5	PE-BOP	OAR - CWS	01/30/08 A	01/14/08	-11	
633	PE-ELE	PGN Provide Description of New Switchyard Relay Protection - RFI 295	01/30/08 A	12/17/07	-32	
637.1	PE-ELE	OAR of Switchyard One-line	01/30/08 A			
502	SL	Issue Finalize Chapter 17	01/31/08 A	01/23/08	-6	
LS01-015	SL	Conceptual Cooling Tower Spec / Submit OAR	01/31/08 A	01/25/08	-3	



▽ Milestone
▲ Baseline
▼ Actual

LNP COLA - PEF R-15

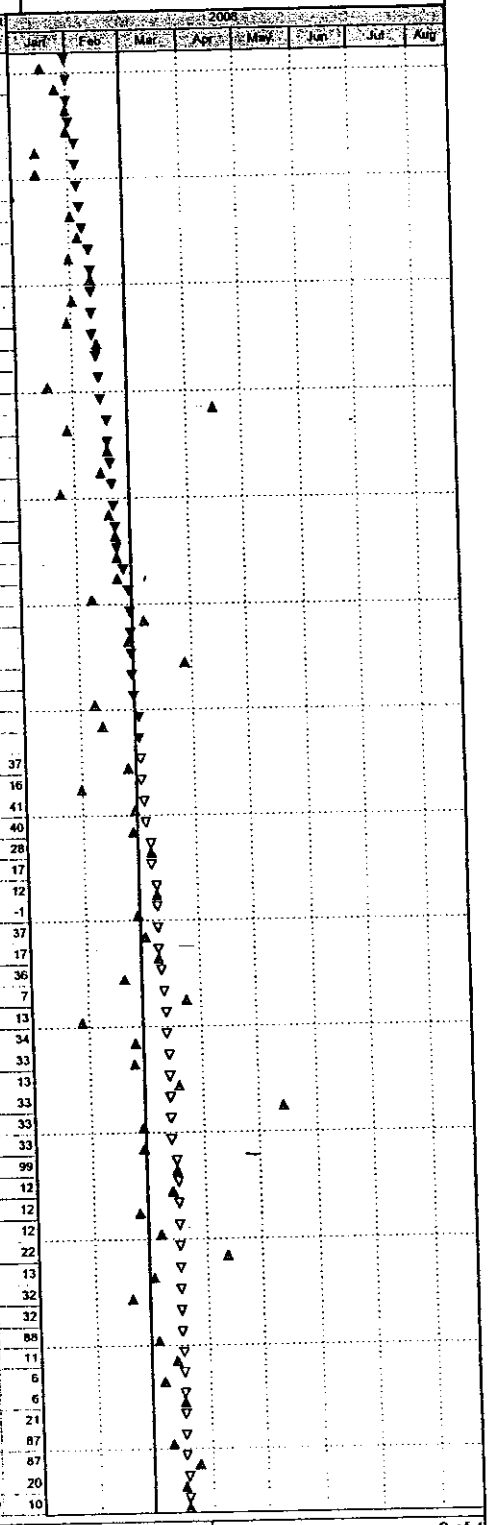
Attachment D - Milestone Summary Report

© Primavera Systems, Inc.

CONFIDENTIAL

LNP COLA - PEF R-15 Data Date: 03/01/08 | Attachment D - Milestone Summary Report | Date: 03/05/08 09:24

Activity ID	RESP	Task Name	Finish	Baseline Finish	BL Var	Float
406	SL	Issue Finalize Chapter 12	01/31/08 A	01/16/08	-10	
168.1	PE	PE Review (2.5.1)	02/01/08 A	01/25/08	-4	
903	PE	OAR Grading, Drain, SW-PE 2wks	02/01/08 A	01/31/08	0	
PCR036	PCR	Issue Final Design Concept of Subsurface to WEC	02/01/08 A	01/31/08	-1	
698	CH2	13.03 Geophysical Report (Geovision)	02/04/08 A	01/14/08	-15	
LS06-120	SL	Issue Final Report WWS	02/04/08 A	01/14/08	-15	
768	CH2	Geology & Engineering (Karst Investigation Memo)	02/05/08 A	12/31/07	-26	
414	WP	Internal Review / Comments Resolution / Submit OAR Chapter 14	02/07/08 A	02/01/08	-3	
LS04-160	PE	OAR Blowdown System	02/08/08 A	02/05/08	-2	
390	PE-NSSS	OAR - Chapter 6	02/11/08 A	01/31/08	-6	
130	CH2	CH Provide Site Meteorological Data Input for Revised CHI/O to WP	02/11/08 A	02/11/08	0	
168.3	CH2	Pagetum Submittal (2.5.1) (Rev D)	02/11/08 A	02/01/08	-6	
LS02-015	SL	Conceptual Design CW makeup System / Submit OAR	02/11/08 A	01/29/08	-9	
903.1	SL	Finalize Grading & Drainage	02/12/08 A	02/14/08	3	
637.2	SL	Issue Switchyard Physical for OAR	02/13/08 A			
698.7	CH2	13.03 Redpath Geophysics (Downhole Measurements)	02/15/08 A	01/16/08	-19	
596.1	SL	Submit for OAR (Fire Protection Program / Plan)	02/15/08 A	04/15/08	42	
803	CH2	Analysis - Aquatic Sampling #2	02/18/08 A	01/28/08	-15	
131.1	WP	Update LNG-VES-GEC-001 (CRX/Q) & LNG-0000-GLC-002 (EAB/LDZ X...	02/19/08 A	02/18/08	0	
392	WP	Issue Finalize Chapter 6	02/20/08 A	02/15/08	-3	
621	WP	Issue Finalize Conceptual Design of CWS	02/20/08 A	01/24/08	-20	
315	CH2	Tech Edit / Submit OAR ER Chp 9 (Rev C)	02/21/08 A	02/18/08	-2	
105	CH2	Tech Edit / Submit OAR FSAR Section 2.1 (Rev C)	02/22/08 A	02/21/08	0	
507	SL	Submit FSAR Chapter 18 for OAR	02/22/08 A	02/22/08	0	
248	PE-ENV	Owner Review Process Chp 3	02/25/08 A	02/22/08	-1	
LS01-060	PE	OAR Conceptual Design Cooling Tower	02/28/08 A	02/08/08	-13	
422	WP	Issue Finalize Chapter 16	02/29/08 A	03/07/08	5	
541	SL	Submit OAR FSAR Chapter 9	02/29/08 A	02/27/08	-1	
578	WP	Issue FSAR Chapter 15 to Client for OAR	02/29/08 A	03/28/08	21	
637.3	PE-ELE	OAR of Switchyard Physical	02/29/08 A			
415	PE-OPS	OAR - Chapter 14	02/29/08 A	02/08/08	-15	
LS02-140	PE	OAR CW Make-Up Water System	03/03/08 A	02/12/08	-13	
LS10-060	PE	OAR Filters	03/03/08 A			
306	PE-ENV	Owner Review Process ER Chp 8	03/03/08	02/25/08	-5	37
608	PE	PEF Issue Grid Stability Report - RFI 155	03/03/08	01/31/08	-22	16
248.2	CH2	Submit ER Chp 3 Rev D	03/04/08	02/28/08	-3	41
517	SL	Issue Finalize Chapter 19	03/05/08	02/27/08	-6	40
508	PE-IC	OAR - Chapter 18	03/07/08	03/07/08	0	28
637.7	SL	Issue Switchyard Conceptual Design Drawings for OAR	03/07/08*			17
119	CH2	Tech Edit / Submit OAR FSAR Section 2.2 (Rev C)	03/10/08	03/10/08	0	12
173	CH2	Receive Data From Geomatrix (2.5.2)	03/10/08	02/28/08	-7	-1
306.2	CH2	Submit ER Chp 8 Rev D	03/10/08	03/03/08	-5	37
475	SL	Submit OAR FSAR Chapter 3	03/10/08	03/10/08	0	17
LS04-180	SL	Issue Final Report Blowdown System	03/11/08	02/20/08	-14	36
136	CH2	Tech Edit / Submit OAR Meteorology Section 2.3 (Rev C)	03/12/08	03/24/08	8	7
637.9	SL	Issue Switchyard Conceptual Design Report for OAR	03/13/08*	01/28/08	-33	13
LS01-080	SL	Issue Final Report Mechanical Draft Cooling Towers	03/13/08	02/25/08	-13	34
417	WP	Issue Chapter 14 Rev D	03/14/08	02/25/08	-15	33
542	PE-BOP	OAR - Chapter 9	03/14/08	03/19/08	3	13
596.4	SL	Submit for Approval (Fire Protection Program / Plan)	03/14/08	05/13/08	42	33
608	CH2	13.08 Boring Logs	03/14/08	02/28/08	-11	33
608.1	CH2	13.08 Finalize Boring Logs & Core Photos	03/14/08	02/28/08	-11	33
PCR117	PCR	PCR Calculations Batch 4 for OAR	03/17/08	03/17/08	0	99
1212	CH2	OAR Submittal (Rev. C) - Calc Package II	03/17/08	03/14/08	-1	12
1202	CH2	OAR Submittal (Rev. C) - Calc Package I	03/17/08	02/25/08	-15	12
409	WP	Internal Review / Comments Resolution / Submit OAR Chapter 13	03/17/08	03/07/08	-6	12
579	PE-NSSS	OAR - FSAR Chapter 15	03/17/08	04/11/08	19	22
693	SL	Submit OAR Railroad Access	03/17/08	03/03/08	-10	13
LS02-160	SL	Issue Final Report CW Make-Up Water System	03/17/08	02/20/08	-18	32
LS10-080	SL	Issue Final Report Filters	03/17/08			32
PCR098	PCR	Submit FSAR Section 2.5.4.6.2 for OAR	03/17/08	03/05/08	-8	88
1222	CH2	OAR Submittal (Rev. C) - Calc Package III	03/18/08	03/14/08	-2	11
258	CH2	Tech Edit / Submit OAR ER Chp 4 (Rev C)	03/18/08	03/07/08	-7	6
331	CH2	Tech Edit / Submit OAR Site Redress Plan (Rev C)	03/18/08	03/18/08	0	6
LS12-060	PE	OAR Biocide for Chemicals for Turbine Island System	03/18/08			21
PCR084	PCR	Submit FSAR Section 2.5.4.3 for OAR	03/18/08	03/11/08	-5	87
PCR091	PCR	Submit FSAR Section 2.5.4.5 for OAR	03/18/08	03/25/08	5	87
316	PE-ENV	Owner Review Process ER Chp 9	03/19/08	03/17/08	-2	20
551	WP	Submit OAR FSAR Chapter 10	03/19/08	03/19/08	0	10



▽ Milestone
▲ Baseline
▼ Actual

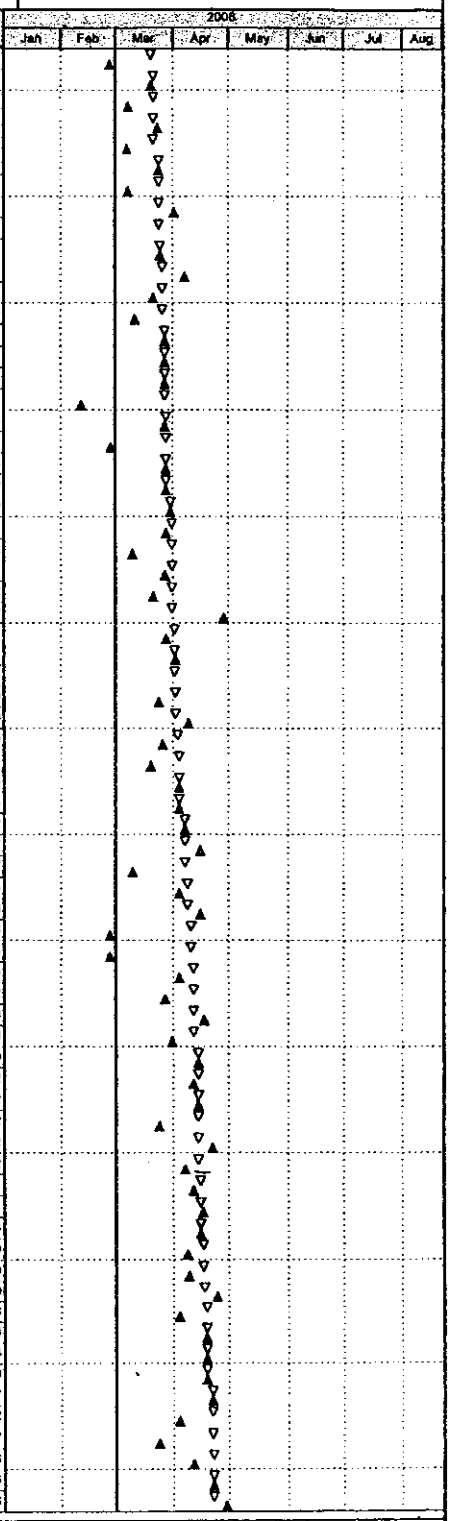
LNP COLA - PEF R-15

Attachment D - Milestone Summary Report

© Primavera Systems, Inc.

CONFIDENTIAL

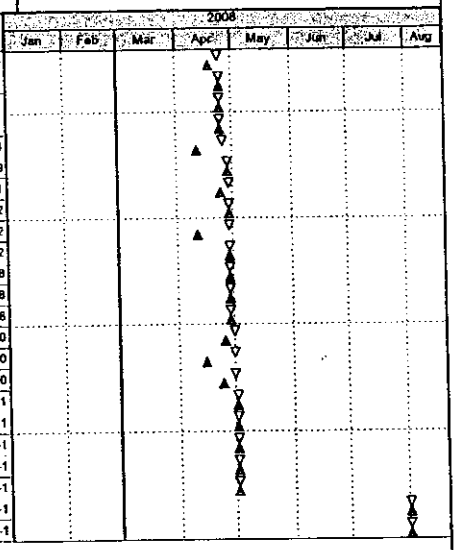
Activity ID	RESP	Task Name	Finish	Baseline Finish	BL Var	Float
269	WP	WP Input Provide Text for ER 5.4	03/20/08	02/26/08	-17	2
105.1	PE	OAR FSAR 2.1	03/21/08	03/20/08	-1	23
285	CH2	Tech Edit / Submit OAR ER Chp 6 (Rev C)	03/21/08	03/07/08	-10	3
510	SL	Issue Finalize Chapter 18	03/21/08	03/24/08	0	28
592	SL	Submit Security Plan for Progress Energy OAR	03/21/08	03/07/08	-11	8
273	CH2	Tech Edit / Submit OAR ER Chp 5 (Rev C)	03/24/08	03/24/08	0	2
325	CH2	Tech Edit / Submit OAR ER Chp 10 (Rev C)	03/24/08	03/07/08	-11	2
476	PE-NSS	OAR - Chapter 3	03/24/08	04/01/08	6	17
778.5	SL	Submit FMEA for OAR	03/24/08			7
446	SL	Submit FSAR Chapter 1 for OAR	03/25/08	03/25/08	0	6
136.1	PE	OAR FSAR 2.3	03/26/08	04/07/08	8	7
172	CH2	Tech Edit / Finalize Section (2.5.3) (Rev C)	03/26/08	03/21/08	-3	0
226	CH2	Tech Edit / Submit OAR ER Chp 2 (Rev C)	03/26/08	03/11/08	-11	0
091	CH2	Submit OAR - Vibratory Ground Motion (Rev C)	03/27/08	03/27/08	0	-1
176	CH2	Tech Edit / Finalize Section (2.5.2) (Rev C)	03/27/08	03/27/08	0	-1
295	CH2	Tech Edit / Submit OAR ER Chp 7 (Rev C)	03/27/08	03/27/08	0	-1
638	PE-ELE	OAR of Switchyard Conceptual Design	03/27/08	02/11/08	-33	14
105.3	CH2	Issue Final FSAR 2.1 (Rev D)	03/28/08	03/27/08	-1	23
492	SL	Submit OAR FSAR Chapter 8	03/28/08	02/27/08	-22	2
913	PE	OAR Railroad Access	03/28/08	03/28/08	0	13
WEC110	WEC	Receive WEC Geotech Assessment (Final Geotech Rpt)	03/28/08	03/28/08	0	89
PCR121	PCR	PCR Calculations Batch 5 for OAR	03/31/08	03/31/08	0	89
1213	PE	PE Review - Calc Package II	03/31/08	03/28/08	-1	12
1203	PE	PE Review - Calc Package I	03/31/08	03/10/08	-15	12
160	CH2	Tech Edit / Submit OAR FSAR Section 2.4 (Rev C)	03/31/08	03/27/08	-2	-1
410	PE-OPS	OAR Chapter 13	03/31/08	03/21/08	-6	12
581	WP	Issue Finalize FSAR Section 15	03/31/08	04/28/08	19	22
1223	PE	PE Review - Calc Package III	04/01/08	03/28/08	-2	11
192	SL	S&L Compiles FSAR 2.5.4	04/01/08	04/02/08	1	-1
LS12-080	SL	Issue Final Report Chemicals for Turbine Island System	04/01/08			21
316.2	CH2	Submit ER Chp 9 Rev D	04/02/08	03/24/08	-7	20
552	PE-BOP	OAR - Chapter 10	04/02/08	04/09/08	5	10
587	WP	Issue Chapter 11 to Client for OAR	04/03/08	03/26/08	-6	0
593	PE-SEC	OAR Security Plan	04/04/08	03/20/08	-11	8
PCR105	PCR	Submit FSAR Section 2.5.4.10 for OAR	04/04/08	04/04/08	0	74
PCR112	PCR	Submit FSAR Section 2.5.4.12 for OAR	04/04/08	04/04/08	0	74
119.1	PE	OAR FSAR 2.2	04/07/08	04/07/08	0	12
478	SL	Issue Finalize Chapter 3	04/07/08	04/15/08	6	17
788	PE	OAR Switchyard FMEA	04/07/08	03/10/08	-20	7
259	PE-ENV	Owner Review Process ER Chp 4	04/08/08	04/04/08	-2	6
447	PE-LIC	OAR - Chapter 1	04/08/08	04/15/08	5	6
625	SL	Switchyard Layout and Design	04/10/08	02/26/08	-32	14
640	SL	Issue Finalize Concaptual Design of Switchyard	04/10/08	02/26/08	-32	14
286	PE-ENV	Owner Review Process ER Chp 6	04/11/08	04/04/08	-5	3
493	PE-ELEC	OAR - Chapter 8	04/11/08	03/27/08	-11	2
544	SL	Issue Finalize Chapter 9	04/11/08	04/17/08	3	13
923	PE	Finalize Rail Access	04/11/08	03/31/08	-9	13
PCR119	PCR	Finalize & Submit PCR Calculations / EDFs Batch 4	04/14/08	04/14/08	0	79
1215	CH2	Pagetum Submittal (Rev. D) - Calc Package II	04/14/08	04/11/08	-1	12
119.3	CH2	Issue Final FSAR 2.2 (Rev D)	04/14/08	04/14/08	0	12
1205	CH2	Pagetum Submittal (Rev. D) - Calc Package I	04/14/08	03/24/08	-15	12
274	PE-ENV	Owner Review Process ER Chp 5	04/14/08	04/21/08	5	2
412	WP	Issue Finalize Chapter 13	04/14/08	04/07/08	-6	12
1225	CH2	Pagetum Submittal (Rev. D) - Calc Package III	04/15/08	04/11/08	-2	11
193	PE	PE / OAR Review FSAR 2.5.4	04/15/08	04/16/08	1	-1
332	PE-ENV	Owner Review Site Redress	04/15/08	04/15/08	0	6
227	PE-ENV	Owner Review Process ER Chp 2	04/16/08	04/08/08	-6	0
568.5	PE-RP	OAR - Chapter 11	04/16/08	04/09/08	-5	0
554	WP	Issue Finalize FSAR Chapter 10	04/17/08	04/24/08	5	10
595	SL	Issue Security Plan	04/18/08	04/04/08	-11	8
PCR107	PCR	Submit Final FSAR Section 2.5.4.10	04/18/08	04/18/08	0	74
PCR114	PCR	Submit Final FSAR Section 2.5.4.12	04/18/08	04/18/08	0	74
WEC120	WEC	Receive Westinghouse SSI Assessment	04/18/08*	04/18/08	0	0
136.3	CH2	Issue Final FSAR 2.3 (Rev D)	04/21/08	04/21/08	0	7
326	PE-ENV	Owner Review Process ER Chp 10	04/21/08	04/04/08	-11	2
708	SL	Finalize Switchyard FMEA	04/21/08	03/24/08	-20	7
259.2	CH2	Submit ER Chp 4 Rev D	04/22/08	04/11/08	-7	6
332.2	CH2	Submit Site Redress Rev D	04/22/08	04/22/08	0	6
449	SL	Issue Finalize Chapter 1	04/22/08	04/29/08	5	6



© Primavera Systems, Inc.

CONFIDENTIAL

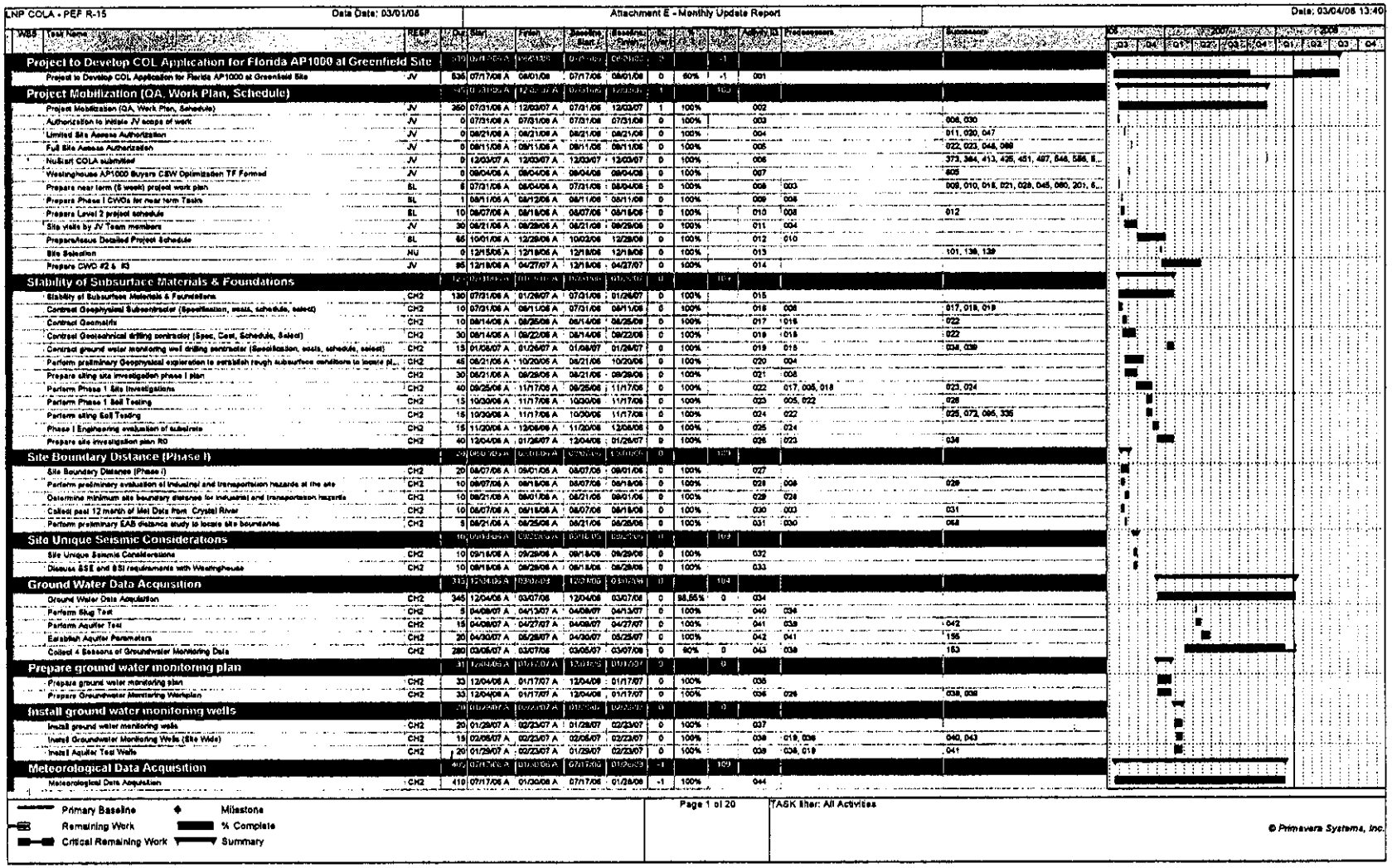
Activity ID	RESP	Task Name	Finish	Baseline Finish	BL Var	Float
172.1	PE	PE Review (2.5.3)	04/23/08	04/18/08	-3	0
092	PE-CIV	OAR-Vibratory Ground Motion	04/24/08	04/24/08	0	-1
176.1	PE	PE Review (2.5.2)	04/24/08	04/24/08	0	-1
296	PE-ENV	Owner Review Process ER Chp 7	04/24/08	04/24/08	0	-1
286.2	CH2	Submit ER Chp 6 Rev D	04/25/08	04/11/08	-10	3
PCR123	PCR	Finalize & Submit PCR Calculations / EDFs Batch 5	04/28/08	04/28/08	0	69
160.1	PE	OAR FSAR 2.4	04/28/08	04/24/08	-2	-1
274.2	CH2	Submit ER Chp 5 Rev D	04/28/08	04/28/08	0	2
326.2	CH2	Submit ER Chp 10 Rev D	04/28/08	04/11/08	-11	2
495	SL	Issue Finalize Chapter 8	04/28/08	04/28/08	0	2
PCR086	PCR	Submit Final FSAR Section 2.5.4.3	04/28/08*	04/28/08	0	68
PCR093	PCR	Submit Final FSAR Section 2.5.4.5	04/28/08*	04/28/08	0	68
PCR100	PCR	Submit Final FSAR Section 2.5.4.6.2	04/28/08*	04/28/08	0	68
172.3	CH2	Pagetum Submittal (2.5.3) (Rev D)	04/30/08	04/25/08	-3	0
227.2	CH2	Submit ER Chp 2 Rev D	04/30/08	04/15/08	-11	0
570	WP	Issue Finalize FSAR Chapter 11	04/30/08	04/24/08	-5	0
094	CH2	Issue Finalize Vibratory Ground Motion Report (Rev D)	05/01/08	05/01/08	0	-1
160.3	CH2	Issue Final FSAR 2.4 (Rev D)	05/01/08	05/01/08	0	-1
176.3	CH2	Pagetum Submittal (2.5.2) (Rev D)	05/01/08	05/01/08	0	-1
196	SL	S&L Submit FSAR 2.5.4 (Rev. D)	05/01/08	05/01/08	0	-1
296.2	CH2	Submit ER Chp 7 Rev D	05/01/08	05/01/08	0	-1
079	SL	Assemble Final COL Application	08/01/08	08/01/08	0	-1
080	PE	Submit Final COLA to NRC	08/01/08	08/01/08	0	-1



© Primavera Systems, Inc.

CONFIDENTIAL

CONFIDENTIAL



LNP COLA - PEF R-15 | Data Date: 03/01/08 | Attachment E - Monthly Update Report | Date: 03/04/08 13:40

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	%	Float	Activity ID	Predecessors	Successors
	Project to Develop COL Application for Florida AP1000 at Greenfield Site		539	07/17/06 A	08/01/08	07/17/06	08/01/08		-1			
	Project to Develop COL Application for Florida AP1000 at Greenfield Site	JV	536	07/17/06 A	08/01/08	07/17/06	08/01/08	0	-1	001		
	Project Mobilization (QA, Work Plan, Schedule)		349	07/31/06 A	12/03/07 A	07/31/06	12/03/07	1	183			
	Project Mobilization (QA, Work Plan, Schedule)	JV	350	07/31/06 A	12/03/07 A	07/31/06	12/03/07	1		002		
	Authorization to initiate JV scope of work	JV	0	07/31/06 A	07/31/06 A	07/31/06	07/31/06	0		003		006, 030
	Limited Site Access Authorization	JV	0	08/21/06 A	08/21/06 A	08/21/06	08/21/06	0		004		011, 020, 047
	Full Site Access Authorization	JV	0	09/11/06 A	09/11/06 A	09/11/06	09/11/06	0		005		022, 023, 048, 088
	NuStart COLA submitted	JV	0	12/03/07 A	12/03/07 A	12/03/07	12/03/07	0		006		373, 384, 413, 426, 451, 467, 546, 586, 8...
	Westinghouse AP1000 Buyers CSW Optimization TF Formed	JV	0	08/04/06 A	08/04/06 A	08/04/06	08/04/06	0		007		805
	Prepare near term (6 week) project work plan	SL	6	07/31/06 A	08/04/06 A	07/31/06	08/04/06	0		008	003	009, 010, 015, 021, 028, 045, 060, 201, 8...
	Prepare Phase I CWOs for near term Tasks	SL	1	08/11/06 A	08/11/06 A	08/11/06	08/11/06	0		009	008	
	Prepare Level 2 project schedule	SL	10	08/07/06 A	08/18/06 A	08/07/06	08/18/06	0		010	008	012
	Site visits by JV Team members	JV	30	08/21/06 A	09/29/06 A	08/21/06	09/29/06	0		011	004	
	Prepare/Issue Detailed Project Schedule	SL	65	10/01/06 A	12/29/06 A	10/02/06	12/29/06	0		012	010	
	Site Selection	NU	0	12/15/06 A	12/15/06 A	12/15/06	12/15/06	0		013		101, 136, 139
	Prepare CWO #2 & #3	JV	95	12/18/06 A	04/27/07 A	12/15/06	04/27/07	0		014		
	Stability of Subsurface Materials & Foundations		130	07/31/06 A	01/28/07 A	07/31/06	01/28/07	0	183			
	Stability of Subsurface Materials & Foundations	CH2	130	07/31/06 A	01/28/07 A	07/31/06	01/28/07	0		015		
	Contract Geophysical Subcontractor (Specification, costs, schedule, select)	CH2	10	07/31/06 A	08/11/06 A	07/31/06	08/11/06	0		016	008	017, 018, 019
	Contract Geomatrix	CH2	10	08/14/06 A	08/25/06 A	08/14/06	08/25/06	0		017	016	022
	Contract Geotechnical drilling contractor (Spec, Cost, Schedule, Select)	CH2	30	08/14/06 A	09/22/06 A	08/14/06	09/22/06	0		018	016	022
	Contract ground water monitoring well drilling contractor (Specification, costs, schedule, select)	CH2	15	01/08/07 A	01/26/07 A	01/08/07	01/26/07	0		019	016	034, 039
	Perform preliminary Geophysical exploration to establish rough subsurface conditions to locate pl...	CH2	45	08/21/06 A	10/20/06 A	08/21/06	10/20/06	0		020	004	
	Prepare siting site investigation phase I plan	CH2	30	08/21/06 A	09/29/06 A	08/21/06	09/29/06	0		021	008	
	Perform Phase I Site Investigations	CH2	40	09/25/06 A	11/17/06 A	09/25/06	11/17/06	0		022	017, 005, 018	023, 024
	Perform Phase I Soil Testing	CH2	15	10/30/06 A	11/17/06 A	10/30/06	11/17/06	0		023	005, 022	026
	Perform siting Soil Testing	CH2	15	10/30/06 A	11/17/06 A	10/30/06	11/17/06	0		024	022	025, 072, 095, 335
	Phase I Engineering evaluation of subsirate	CH2	15	11/20/06 A	12/08/06 A	11/20/06	12/08/06	0		025	024	
	Prepare site investigation plan R0	CH2	40	12/04/06 A	01/26/07 A	12/04/06	01/26/07	0		026	023	034
	Site Boundary Distance (Phase I)		29	08/01/06 A	09/07/06 A	08/01/06	09/07/06	0	127			
	Site Boundary Distance (Phase I)	CH2	20	08/07/06 A	09/01/06 A	08/07/06	09/01/06	0		027		
	Perform preliminary evaluation of industrial and transportation hazards at the site	CH2	10	08/07/06 A	08/18/06 A	08/07/06	08/18/06	0		028	008	029
	Determine minimum site boundary distances for industrial and transportation hazards	CH2	10	08/21/06 A	09/01/06 A	08/21/06	09/01/06	0		029	028	
	Collect past 12 month of Met Data from Crystal River	CH2	10	08/07/06 A	08/18/06 A	08/07/06	08/18/06	0		030	003	031
	Perform preliminary EAB distance study to locate site boundaries	CH2	5	08/21/06 A	08/25/06 A	08/21/06	08/25/06	0		031	030	068
	Site Unique Seismic Considerations		10	09/18/06 A	09/29/06 A	09/18/06	09/29/06	0	183			
	Site Unique Seismic Considerations	CH2	10	09/18/06 A	09/29/06 A	09/18/06	09/29/06	0		032		
	Discuss SSE and SSI requirements with Westinghouse	CH2	10	09/18/06 A	09/29/06 A	09/18/06	09/29/06	0		033		
	Ground Water Data Acquisition		315	12/04/06 A	03/07/08	12/04/06	03/07/08	0	184			
	Ground Water Data Acquisition	CH2	345	12/04/06 A	03/07/08	12/04/06	03/07/08	0	88.55%	0	034	
	Perform Slug Test	CH2	5	04/09/07 A	04/13/07 A	04/09/07	04/13/07	0			040	036
	Perform Aquifer Test	CH2	15	04/09/07 A	04/27/07 A	04/09/07	04/27/07	0			041	038
	Establish Aquifer Parameters	CH2	20	04/30/07 A	05/25/07 A	04/30/07	05/25/07	0			042	041
	Collect 4 Seasons of Groundwater Monitoring Data	CH2	280	03/05/07 A	03/07/08	03/05/07	03/07/08	0	90%	0	043	039
	Prepare ground water monitoring plan		31	12/04/06 A	01/17/07 A	12/04/06	01/17/07	0		0		
	Prepare ground water monitoring plan	CH2	33	12/04/06 A	01/17/07 A	12/04/06	01/17/07	0	100%		035	
	Prepare Groundwater Monitoring Workplan	CH2	33	12/04/06 A	01/17/07 A	12/04/06	01/17/07	0	100%		036	038, 039
	Install ground water monitoring wells		20	01/29/07 A	02/23/07 A	01/29/07	02/23/07	0		0		
	Install ground water monitoring wells	CH2	20	01/29/07 A	02/23/07 A	01/29/07	02/23/07	0	100%		037	
	Install Groundwater Monitoring Wells (Site Wide)	CH2	15	02/06/07 A	02/23/07 A	02/06/07	02/23/07	0	100%		038	039, 036
	Install Aquifer Test Wells	CH2	20	01/29/07 A	02/23/07 A	01/29/07	02/23/07	0	100%		039	036, 019
	Meteorological Data Acquisition		410	07/17/06 A	01/30/08 A	07/17/06	01/28/08	-1	183			
	Meteorological Data Acquisition	CH2	410	07/17/06 A	01/30/08 A	07/17/06	01/28/08	-1	100%		044	

Primary Baseline | Remaining Work | Critical Remaining Work | Milestone | % Complete | Summary

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

LNP COLA - PEF R-15 | Data Date: 03/01/08 | Date: 03/04/08 13:40

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var	%	TF	Activity ID	Predecessors	Successors
	Prepare procurement specifications for supply and erection of Met Tower	CH2	5	07/17/06 A	07/21/06 A	07/17/06	07/21/06	0	100%		045	008	046
	Select Met Tower supply and erect contractor	CH2	5	07/24/06 A	07/28/06 A	07/24/06	07/28/06	0	100%		046	045	
	Select location of Met Tower	CH2	5	08/21/06 A	08/25/06 A	08/21/06	08/25/06	0	100%		047	004	
	Soil Borings and Foundation Design for Met tower	CH2	20	09/11/06 A	10/06/06 A	09/11/06	10/06/06	0	100%		048	006	049
	Foundation Construction Subcontractor Contracting	CH2	25	09/04/06 A	10/06/06 A	09/04/06	10/06/06	0	100%		049	048	055
	Complete Design Drawings	CH2	4	10/20/06 A	10/25/06 A	10/20/06	10/25/06	0	100%		050		051
	Tower Fabrication	CH2	23	10/30/06 A	11/29/06 A	10/30/06	11/29/06	0	100%		051	050	052
	Tower Shipping	CH2	4	01/02/07 A	01/05/07 A	01/02/07	01/05/07	0	100%		052	051	054
	Prepare Construction Permit Application	CH2	25	10/30/06 A	12/01/06 A	10/30/06	12/01/06	0	100%		053		055
	Obtain Construction Permit	CH2	5	12/04/06 A	12/11/06 A	12/04/06	12/11/06	0	100%		054	053	056
	Construct Met Tower Foundations	CH2	6	01/08/07 A	01/17/07 A	01/08/07	01/17/07	0	100%		055	049, 054	057
	Construct Tower	CH2	2	01/18/07 A	01/19/07 A	01/18/07	01/19/07	0	100%		056	055	058
	Install Instrumentation	CH2	5	01/22/07 A	01/26/07 A	01/22/07	01/26/07	0	100%		057	056	059
	Collect 1 year of Met Data	CH2	276	01/29/07 A	01/30/08 A	01/29/07	01/29/08	-1	100%		058	057	129
	PMF and Aerial Survey Data Acquisition		126	07/31/06 A	01/15/07 A	07/31/06	01/19/07	0		0			
3.13	PMF and Aerial Survey Data Acquisition	CH2	126	07/31/06 A	01/15/07 A	07/31/06	01/19/07	0	100%		060		061, 066
	Obtain State and USGS maps and topographical data for contour maps and aerial photos for use ...	SL	0	07/31/06 A	07/31/06 A	07/31/06	07/31/06	0	100%		061	060	062
	Determine aerial survey boundaries	SL	0	08/14/06 A	08/14/06 A	08/14/06	08/14/06	0	100%		062	061	063
	Prepare aerial survey specifications	SL	0	08/14/06 A	08/14/06 A	08/14/06	08/14/06	0	100%		063	062	064
	Aerial contractors submit bids	SL	0	08/04/06 A	08/04/06 A	08/04/06	08/04/06	0	100%		064	063	065
	Bid evaluation and Contract aerial survey contractor	SL	0	08/18/06 A	08/18/06 A	08/18/06	08/18/06	0	100%		065	064	071, 138
	Perform aerial survey and develop Photos, 3D Ortho Photos, and 1' area contours	SL	80	10/02/06 A	01/19/07 A	10/02/06	01/19/07	0	100%		066	064	071, 141
	Perform preliminary PMF evaluations to determine plant grade	CH2	15	08/21/06 A	09/08/06 A	08/21/06	09/08/06	0	100%		068	060	
	Site General Arrangement		169	12/18/06 A	07/31/07 A	12/18/06	07/31/07	1		169			
12.11	Site General Arrangement	SL	161	12/18/06 A	07/31/07 A	12/18/06	07/31/07	1	100%		067		069, 097, 585
	Prepare Site General Arrangements for siting investigations	SL	10	12/18/06 A	12/28/06 A	12/18/06	12/28/06	0	100%		068	031, 627	070
	Surveyor marks plant footprint on ground	SL	5	01/01/07 A	01/05/07 A	01/01/07	01/05/07	0	100%		069	068, 606	071
	Environment expert verifies on site the footprint location is optimal from ER perspective	SL	5	01/08/07 A	01/12/07 A	01/08/07	01/12/07	0	100%		070	069	072
	Client and Westinghouse Review and Finalize GA for siting investigations	SL	10	01/15/07 A	01/26/07 A	01/15/07	01/26/07	0	100%		071	070, 066, 066	073, 074, 230, 263
	GA based on Phase 2 investigations	SL	10	02/19/07 A	03/02/07 A	02/19/07	03/02/07	0	100%		072	071, 024, 606	074
	GA based on Aerial Photo	SL	17	06/30/07 A	07/24/07 A	07/02/07	07/24/07	0	100%		073	072	075
	CAR for GA	PE,CIV	11	06/26/07 A	07/09/07 A	06/26/07	07/09/07	0	100%		074	072, 073	
	Finalize GA	SL	2	07/30/07 A	07/31/07 A	07/30/07	07/31/07	0	100%		075	074	
	CWO #1 Prepare / Submit COLA, DCD Departure Report and General Ad...		83	04/09/08	08/01/08	12/17/07	08/01/08	0		-1			
1	CWO #1 Prepare/Submit COLA, DCD Departure Report and General Administrative Requirements	SL	83	04/09/08	08/01/08	12/17/07	08/01/08	0	0%	-1	076		077,1
1.1	Admin and General Information	SL	5	04/09/08*	04/15/08	12/17/07	01/25/08	67	0%	0	077		077.2
	Issue for OAR - Admin and General Information	SL	10	04/16/08	04/29/08				0%	0	077.1	077	079
	Final - Admin and General Information	SL	1	04/30/08	04/30/08				0%	0	077.2	077.1	078.1
1.2	Report of Departures from Generic DCD (Develop as identified)	SL	5	04/09/08*	04/15/08	12/17/07	01/11/08	67	0%	0	078		078.2
	Issue for OAR - Report of Departures from Generic DCD (Develop as identified)	SL	10	04/16/08	04/29/08				0%	0	078.1	078	079
	Final - Report of Departures from Generic DCD (Develop as identified)	SL	1	04/30/08	04/30/08				0%	0	078.2	078.1	
L3*	Assemble Final COL Application	SL	66	05/02/08	08/01/08	05/02/08	08/01/08	0	0%	-1	079	199, 382, 570, 581, 554, 377, 412, 417, 4...	080
	Submit Final COLA to NRC	PE	0		08/01/08		08/01/08	0	0%	-1	080	079	
	CWO #2 Site Investigation and Seismic and Geotechnical Analysis - Su...		338	01/02/07 A	05/01/08	01/02/07	05/01/08	-4		61			
2.1	CWO #2 Site Investigation and Seismic and Geotechnical Analysis - Subcontractor Scope (Rev D)	CH2	338	01/02/07 A	05/01/08	01/02/07	05/01/08	0	80%	61	081		
	Basic Geology & Seismic Information (GMG) (Rev D)	CH2	214	01/02/07 A	08/07/08	01/02/07	02/01/08	-66	80%	61	082		
2.3	Surface Faulting (Rev D)	CH2	199	04/23/07 A	05/07/08	04/23/07	04/28/08	-9	70%	61	085	024	
	Vibratory Ground Motion		348	01/02/07 A	08/01/08	01/02/07	05/01/08	0		-1			
2.2	Vibratory Ground Motion	CH3	348	01/02/07 A	08/01/08	01/02/07	05/01/08	0	97.39%	-1	083		087, 088
	Update Earthquake Catalog	CH2	188	02/05/07 A	12/28/07 A	02/05/07	12/28/07	1	100%		084		090
	Compile and Review Existing Data for Seismic Sou	CH2	213	01/02/07 A	09/10/08	01/02/07	02/26/08	-7	85%	12	085		087, 087.5
	Evaluate Existing EPRI Model/PSHA Sensitivity	CH2	86	08/15/07 A	01/11/08 A	08/15/07	01/17/08	5	100%		086		
	Perform Updated PSHA and Develop Hard Rock Motion (Prelim Data)	CH2	1	12/31/07 A	01/15/08 A	12/27/07	01/17/08	0	100%		087	084, 086	089
	TAG Telecom Confirm Velocity Data	CH2	1	01/14/08 A	02/13/08 A				100%		087.5	085	088

2006 | 2007 | 2008 — Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4

Primary Baseline | Remaining Work | Critical Remaining Work | Milestone | % Complete | Summary

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

LNP COLA - PEF R-15 | Data Date: 03/01/08 | Attachment E - Monthly Update Report | Date: 03/04/08 13:40

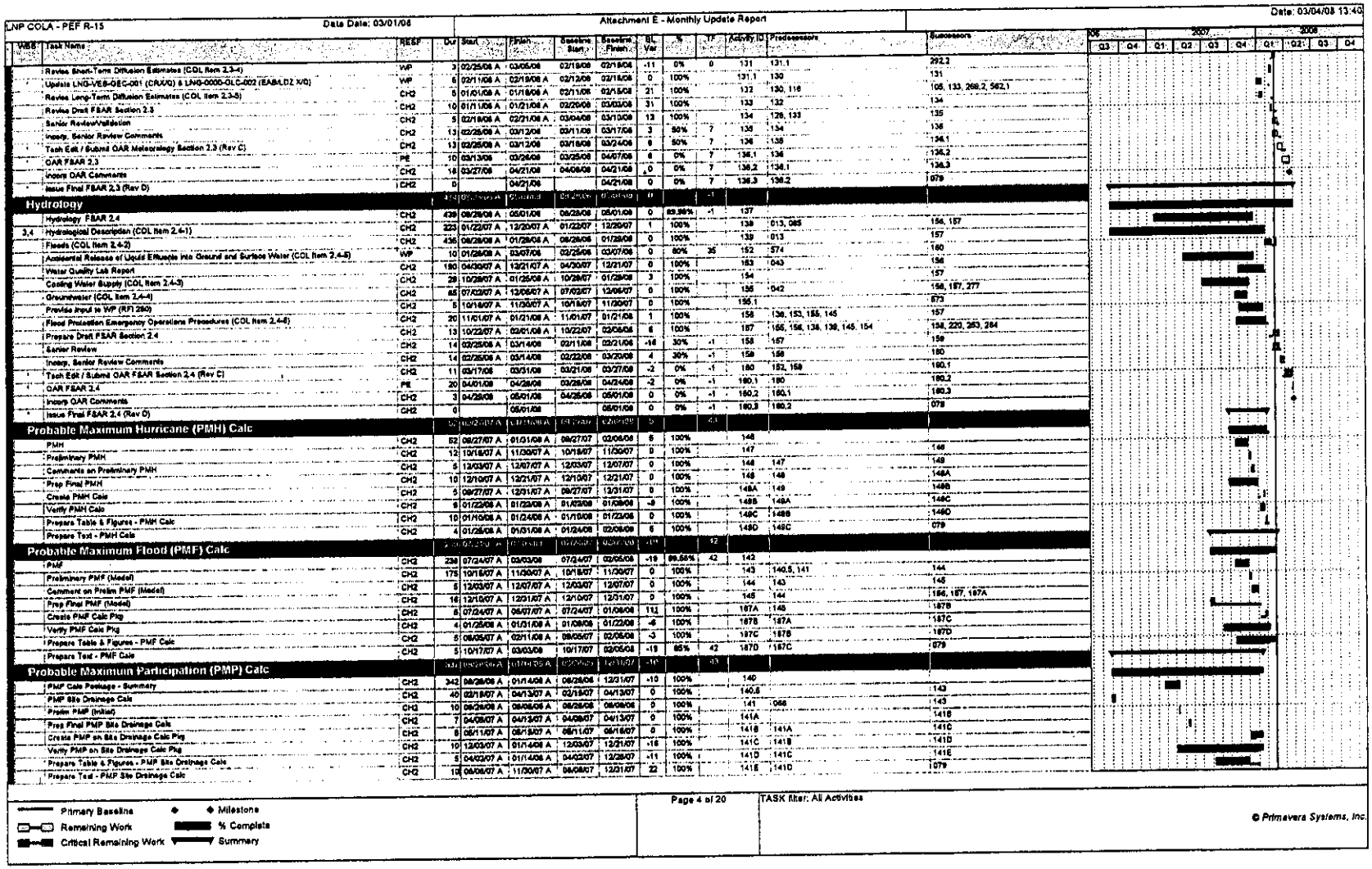
WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	Float	%	Activity ID	Predecessors	Successors
	Write Section 2.5.2	CH2	134	08/15/07 A	03/13/08	08/15/07	02/26/08	-7	80%	088	084, 087,5	090
	Perform Site Response and Develop SSE	CH2	6	12/31/07 A	02/18/08 A	12/27/07	01/17/08	-22	100%	089	087	090
	CH2 / JV / Peer Group Independent Review (SEE CV003)	CH2	13	03/11/08*	03/27/08	02/28/08	03/27/08	0	0%	090	088, 089, 085	091
	Submit OAR - Vibratory Ground Motion (Rev C)	CH2	0		03/27/08		03/27/08	0	0%	091	090	092
	OAR/Vibratory Ground Motion	PE-CIV	20	03/28/08	04/24/08	03/28/08	04/24/08	0	0%	092	091	093
	Receive and Incorporate OAR Comments- Vibratory Ground Motion Report	CH2	5	04/25/08	05/01/08	04/25/08	05/01/08	0	0%	093	092	094
	Issue Finalize Vibratory Ground Motion Report (Rev D)	CH2	0		05/01/08		05/01/08	0	0%	094	093	079
	Stability Of Subsurface Materials & Foundations											
2.4	Stability Of Subsurface Materials & Foundations	CH2	117	01/03/07 A	06/15/07 A	01/03/07	06/15/07	1	100%	086		
2.7	Workplan	CH2	18	01/03/07 A	01/29/07 A	01/03/07	01/29/07	0	100%	087	058	
	Phase 2 Field Work Decision	CH2	18	05/23/07 A	06/15/07 A	05/23/07	06/15/07	0	100%	088		
	FSAR Chapter 2 - Site Characteristics In-house Scope											
3	FSAR Chapter 2 - Site Characteristics In-house Scope	CH2	440	06/28/06 A	05/01/08	06/28/06	06/01/08	0	80%	65	099	
	Geography & Demography											
3.1	Geography & Demography FSAR 2.1	CH2	285	02/12/07 A	03/26/08	02/12/07	03/27/08	-1	93.33%	23	100	
	Site Location & Description	CH2	220	02/12/07 A	02/13/08 A	02/13/07	12/28/07	-32	100%	101	013	103, 102,1
	Population Distribution	CH2	230	02/12/07 A	01/15/08 A	02/13/07	12/28/07	-15	100%	102		103, 567.1, 560.1, 562.1
	Pathways Input (RPI-201) to WP	CH2	1	10/15/07 A	01/17/08 A	10/15/07	12/28/07	+13	100%	102.1	101	103, 567.1, 560.1, 562.1
	Tech/Licensing Review	CH2	1	02/05/08 A	02/21/08 A	12/31/07	01/31/08	-23	100%	103	101, 102, 102.1	104
	Incorp. Senior Review Comments	CH2	5	02/05/08 A	02/21/08 A	01/22/08	02/1/408	-4	100%	104	103	105
	Tech Edit / Submit OAR FSAR Section 2.1 (Rev C)	CH2	5	02/05/08 A	02/22/08 A	02/15/08	02/21/08	0	100%	105	104, 127, 132	105.1
	OAR FSAR 2.1	PE	20	02/25/08 A	03/21/08	02/22/08	03/20/08	+1	0%	23	105.1 105	105.2
	Incorp OAR Comments	CH2	5	03/24/08	03/28/08	03/21/08	03/27/08	-1	0%	23	105.2 105.1	105.3
	Issue Final FSAR 2.1 (Rev D)	CH2	0		03/28/08		03/27/08	-1	0%	23	105.3 105.2	079
	Site Characteristics - nearby facilities											
3.2	Site Characteristics - nearby facilities FSAR 2.2	CH2	306	02/13/07 A	04/14/08	02/12/07	04/14/08	0	88.87%	12	106	
	Locations & Routes	CH2	226	02/13/07 A	08/24/07 A	02/12/07	08/24/07	0	100%	107	288	108
	Descriptions of all Facilities within 5 mile	CH2	231	02/13/07 A	08/28/07 A	02/13/07	08/28/07	0	100%	108	107	109
	Pipelines	CH2	214	02/28/07 A	08/24/07 A	02/28/07	08/24/07	0	100%	109	106	110
	Waterways	CH2	202	03/12/07 A	08/24/07 A	03/12/07	08/24/07	0	100%	110	109	111
	Airports	CH2	182	03/28/07 A	08/24/07 A	03/28/07	08/24/07	0	100%	111	110	112
	Projections for Industrial Growth	CH2	172	04/23/07 A	08/24/07 A	04/23/07	08/24/07	0	100%	112	111	113
	CH to Identify Site-specific Hazards to WP (COL Item 2.3-1)	CH2	214	03/26/07 A	01/07/08 A	03/28/07	12/24/07	-10	100%	113	112	114, 366
	Evaluation Of Potential Accidents - LNG-0000-QEC-001	MW	36	11/26/07 A	01/11/08 A	11/26/07	01/04/08	-5	100%	114	113	116, 366
	Prepare Draft FSAR Section 2.2	CH2	3	01/14/08 A	01/14/08 A	01/07/08	01/16/08	3	100%	116	114	117, 132
	Tech/Licensing Review	CH2	15	01/15/08 A	02/1/408 A	01/17/08	02/06/08	-6	100%	117	116	118
	Incorp. Senior Review Comments	CH2	11	02/13/08 A	02/1/408 A	02/07/08	02/03/08	13	100%	118	117	119
	Tech Edit / Submit OAR FSAR Section 2.2 (Rev C)	CH2	5	02/15/08 A	02/19/08	02/04/08	02/10/08	0	40%	12	119 116	119.1
	OAR FSAR 2.2	PE	20	02/1/108	04/07/08	02/11/08	04/07/08	0	0%	12	119.1 119	119.2
	Incorp OAR Comments	CH2	5	04/08/08	04/14/08	04/08/08	04/14/08	0	0%	12	119.2 119.1	119.3
	Issue Final FSAR 2.2 (Rev D)	CH2	0		04/14/08		04/14/08	0	0%	12	119.3 119.2	079
	Meteorology											
3.3	Meteorology FSAR 2.3	CH2	330	01/29/07 A	04/21/08	01/29/07	04/21/08	0	88.08%	7	120	
	Collect local meteorological data from existing sites (Onsite data at 3, 6 and 9 months will be avail...	CH2	200	04/09/07 A	12/04/07 A	04/09/07	12/04/07	0	100%		121	122
	Onsite Data Collection (1yr)	CH2	276	01/29/07 A	01/30/08 A	01/29/07	01/29/08	-1	100%		122 121	126, 572
	Local Meteorology (COL Item 2.3-2)	CH2	56	10/01/07 A	01/30/08 A	10/01/07	01/29/08	-1	100%		123	124
	Regional Climatology (COL Item 2.3-1)	CH2	56	10/01/07 A	12/14/07 A	10/01/07	12/14/07	0	100%		124 123	
	CH Provide Onsite Meteorological Data Input for CH/Q to WP	CH2	5	10/01/07 A	12/28/07 A	10/01/07	12/04/07	+17	100%		125 122	127, 128.1
	Short-Term Diffusion Estimates (COL Item 2.3-4)	WP	1	01/10/08 A	01/10/08 A	01/08/08	01/08/08	0	100%		126 126.1	128, 575, 292.1
	LNG-VES-GEL-001 (CRXQ)<1yr & LNG-000-GLC-002 (EABLDZ X/Q)<1yr	WP	20	11/30/07 A	01/10/08 A	11/30/07	01/08/08	-1	100%		126.1 125	126
	Long-Term Diffusion Estimates (COL Item 2.3-5)	CH2	31	10/08/07 A	12/14/07 A	10/08/07	12/31/07	12	100%		127 125	105, 129, 289.1, 560.1
	Prepare Draft FSAR Section 2.3	CH2	80	08/31/07 A	01/30/08 A	08/31/07	01/15/08	-11	100%		128 126, 127	134, 221, 281, 564
	Update Meteorological Data for Actual Site Data	CH2	6	03/04/08 A	03/11/08 A	02/04/08	02/08/08	0	100%		129 058	130, 564
	CH Provide Site Meteorological Data Input for Revised CH/Q to WP	CH2	7	03/01/08 A	03/11/08 A	02/01/08	02/11/08	0	100%		130 129	132, 131.1

Primary Baseline | Milestone | Remaining Work | % Complete | Critical Remaining Work | Summary

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL



LNP COLA - PEF R-15 | Data Date: 03/01/08 | Attachment E - Monthly Update Report | Date: 03/04/08 13:40

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var	%	TF	Activity ID	Predecessors	Successors
	Revise Short-Term Diffusion Estimates (COL Item 2.3-4)	WP	3	02/25/08 A	03/05/08	02/19/08	02/18/08	-11	0%	0	131	131.1	292.2
	Update LNG-VES-DEC-001 (CR/UG) & LNG-0000-DLC-002 (EAB,LD2 X/Q)	WP	6	02/11/08 A	02/19/08 A	02/12/08	02/18/08	0	100%		131.1	130	131
	Revise Long-Term Diffusion Estimates (COL Item 2.3-5)	CH2	5	01/01/08 A	01/18/08 A	02/11/08	02/15/08	21	100%		132	130, 116	105, 133, 268.2, 562.1
	Revise Draft FSAR Section 2.3	CH2	10	01/11/08 A	01/21/08 A	02/20/08	03/03/08	31	100%		133	132	134
	Senior Review/Validation	CH2	5	02/18/08 A	02/21/08 A	03/04/08	03/10/08	12	100%		134	129, 133	135
	Incorp. Senior Review Comments	CH2	13	02/25/08 A	03/13/08	03/11/08	03/17/08	3	50%	7	135	134	136
	Tech Edit / Submit OAR Meteorology Section 2.3 (Rev C)	CH2	13	02/25/08 A	03/13/08	03/18/08	03/24/08	9	50%	7	136	135	136.1
	OAR FSAR 2.3	PE	10	03/13/08	03/26/08	03/25/08	04/07/08	8	0%	7	136.1	136	136.2
	Incorp OAR Comments	CH2	18	03/27/08	04/21/08	04/08/08	04/21/08	0	0%	7	136.2	136.1	136.3
	Issue Final FSAR 2.3 (Rev 0)	CH2	0		04/21/08		04/21/08	0	0%	7	136.3	136.2	079
	Hydrology												
	Hydrology FSAR 2.4	CH2	439	08/28/06 A	05/01/08	08/28/06	05/01/08	0	89.96%	-1	137		
3.4	Hydrological Description (COL Item 2.4-1)	CH2	223	01/22/07 A	12/20/07 A	01/22/07	12/20/07	1	100%		138	013, 085	156, 157
	Floods (COL Item 2.4-2)	CH2	435	08/28/06 A	01/28/08 A	08/28/06	01/28/08	0	100%		139	013	157
	Accidental Release of Liquid Effluents into Ground and Surface Water (COL Item 2.4-5)	WP	10	01/28/08 A	03/07/08	03/25/08	03/07/08	0	80%	35	152	574	160
	Water Quality Lab Report	CH2	180	04/30/07 A	12/21/07 A	04/30/07	12/21/07	0	100%		153	043	156
	Cooling Water Supply (COL Item 2.4-3)	CH2	29	10/26/07 A	01/25/08 A	10/26/07	01/25/08	3	100%		154		157
	Groundwater (COL Item 2.4-4)	CH2	65	07/02/07 A	12/06/07 A	07/02/07	12/06/07	0	100%		155	042	156, 157, 277
	Provide Input to WP (RFI 280)	CH3	5	10/18/07 A	11/30/07 A	10/18/07	11/30/07	0	100%		155.1		573
	Flood Protection Emergency Operations Procedures (COL Item 2.4-6)	CH2	20	11/01/07 A	01/21/08 A	11/01/07	01/21/08	1	100%		156	138, 153, 155, 145	157
	Prepare Draft FSAR Section 2.4	CH2	13	10/22/07 A	02/01/08 A	10/22/07	02/05/08	6	100%		157	155, 156, 136, 139, 145, 154	158, 220, 263, 264
	Senior Review	CH2	14	02/25/08 A	03/14/08	02/11/08	03/21/08	-16	30%	-1	158	157	159
	Incorp. Senior Review Comments	CH2	14	02/25/08 A	03/14/08	02/22/08	03/20/08	4	30%	-1	159	158	160
	Tech Edit / Submit OAR FSAR Section 2.4 (Rev C)	CH2	11	03/17/08	03/31/08	03/21/08	03/27/08	-2	0%	-1	160	152, 159	160.1
	OAR FSAR 2.4	PE	20	04/01/08	04/28/08	03/28/08	04/24/08	-2	0%	-1	160.1	160	160.2
	Incorp OAR Comments	CH2	3	04/29/08	05/01/08	04/25/08	05/01/08	0	0%	-1	160.2	160.1	160.3
	Issue Final FSAR 2.4 (Rev 0)	CH2	0		05/01/08		05/01/08	0	0%	-1	160.3	160.2	079
	Probable Maximum Hurricane (PMH) Calc												
	PMH	CH2	62	08/27/07 A	01/31/08 A	08/27/07	02/06/08	6	100%		148		
	Preliminary PMH	CH2	12	10/18/07 A	11/30/07 A	10/18/07	11/30/07	0	100%		147		148
	Comments on Preliminary PMH	CH2	5	12/03/07 A	12/07/07 A	12/03/07	12/07/07	0	100%		148	147	149
	Prep Final PMH	CH2	10	12/10/07 A	12/21/07 A	12/10/07	12/21/07	0	100%		148	148	148A
	Create PMH Calc	CH2	5	08/27/07 A	12/31/07 A	08/27/07	12/31/07	0	100%		148A	149	148B
	Verify PMH Calc	CH2	5	01/22/08 A	01/28/08 A	01/02/08	01/08/08	-8	100%		148B	148A	148C
	Prepare Table & Figures - PMH Calc	CH2	10	01/10/08 A	01/24/08 A	01/10/08	01/23/08	0	100%		148C	148B	148D
	Prepare Text - PMH Calc	CH2	4	01/25/08 A	01/31/08 A	01/24/08	02/06/08	6	100%		148D	148C	079
	Probable Maximum Flood (PMF) Calc												
	PMF	CH2	238	07/24/07 A	03/03/08	07/24/07	02/05/08	-19	99.58%	42	142		
	Preliminary PMF (Model)	CH2	175	10/15/07 A	11/30/07 A	10/15/07	11/30/07	0	100%		143	140.5, 141	144
	Comment on Prelim PMF (Model)	CH2	5	12/03/07 A	12/07/07 A	12/03/07	12/07/07	0	100%		144	143	145
	Prep Final PMF (Model)	CH2	16	12/10/07 A	12/31/07 A	12/10/07	12/31/07	0	100%		145	144	156, 157, 187A
	Create PMF Calc Pkg	CH2	5	07/24/07 A	08/07/07 A	07/24/07	01/08/08	111	100%		187A	145	187B
	Verify PMF Calc Pkg	CH2	4	01/25/08 A	01/31/08 A	01/09/08	01/22/08	-6	100%		187B	187A	187C
	Prepare Table & Figures - PMF Calc	CH2	5	08/08/07 A	02/11/08 A	08/08/07	02/05/08	-3	100%		187C	187B	187D
	Prepare Text - PMF Calc	CH2	5	10/17/07 A	03/03/08	10/17/07	02/05/08	-19	85%	42	187D	187C	079
	Probable Maximum Participation (PMP) Calc												
	PMP Calc Package - Summary	CH2	342	08/28/06 A	01/14/08 A	08/28/06	12/31/07	-10	100%		140		
	PMP Site Drainage Calc	CH2	40	02/15/07 A	04/13/07 A	02/15/07	04/13/07	0	100%		140.5		143
	Prelim PMP (Initial)	CH2	10	08/28/06 A	08/06/06 A	08/28/06	08/06/06	0	100%		141	066	143
	Pres Final PMP Site Drainage Calc	CH2	7	04/06/07 A	04/13/07 A	04/06/07	04/13/07	0	100%		141A		141B
	Create PMP on Site Drainage Calc Pkg	CH2	5	08/11/07 A	08/15/07 A	08/11/07	08/15/07	0	100%		141B	141A	141C
	Verify PMP on Site Drainage Calc Pkg	CH2	10	12/03/07 A	01/14/08 A	12/03/07	12/21/07	-16	100%		141C	141B	141D
	Prepare Table & Figures - PMP Site Drainage Calc	CH2	5	04/02/07 A	01/14/08 A	04/02/07	12/28/07	-11	100%		141D	141C	141E
	Prepare Text - PMP Site Drainage Calc	CH2	10	08/08/07 A	11/30/07 A	08/08/07	12/31/07	22	100%		141E	141D	079

Primary Baseline | Remaining Work | Critical Remaining Work | Milestone | % Complete | Summary

Page 4 of 20

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

LNP COLA - PEF R-15 | Data Date: 03/01/08 | Attachment E - Monthly Update Report | Date: 03/04/08 13:40

WBS	Task Name	RESP	Dur	Start	Finish	Activity ID	Predecessors	Successors
	Local Probable Maximum Participation (PMP) Calc		52	07/30/07 A	01/28/08 A			
	PMP 1-Square Mile Calc Package - Summary	CH2	52	07/30/07 A	01/28/08 A	1100		
	Collect Data	CH2	40	07/30/07 A	11/30/07 A	1101		1102
	Prepare PMP 1-Square Mile Calc	CH2	5	11/21/07 A	11/28/07 A	1102	1101	1103
	Create PMP 1-Square Mile Calc	CH2	7	11/27/07 A	12/14/07 A	1103	1102	1104
	Verify PMP 1-Square Mile Calc	CH2	11	12/17/07 A	01/14/08 A	1104	1103	1105
	Prepare Table & Figures - PMP 1-Square Mile Calc	CH2	10	12/17/07 A	01/15/08 A	1105	1104	1106
	Prepare Text - PMP 1-Square Mile Calc	CH2	10	01/16/08 A	01/28/08 A	1106	1105	079
	Slug Test Calc		57	04/09/07 A	04/18/08 A			
	Slug Test Calc Package - Summary	CH2	57	04/09/07 A	04/18/08 A	1110		
	Complete Slug Test on all site MWs	CH2	40	04/09/07 A	04/18/08 A	1111		1112
	Prepare Slug Test Calc	CH2	5	05/01/07 A	05/04/07 A	1112	1111	1113
	Create Slug Test Calc	CH2	7	05/07/07 A	07/19/07 A	1113	1112	1114
	Verify Slug Test Calc	CH2	5	11/01/07 A	11/06/07 A	1114	1113	1115
	Prepare Table & Figures - Slug Test Calc	CH2	12	12/19/07 A	02/06/08 A	1115	1114	1116
	Prepare Text - Slug Test Calc	CH2	8	02/11/08 A	02/15/08 A	1116	1115	079
	Aquifer Test Calc		57	04/09/07 A	02/15/08 A			
	Aquifer Test Calc Package - Summary	CH2	57	04/09/07 A	02/15/08 A	1120		
	Complete Aquifer Test within PW-1	CH2	40	04/09/07 A	04/18/07 A	1121		1122
	Prepare Aquifer Test Calc	CH2	5	08/11/07 A	08/20/07 A	1122	1121	1123
	Create Aquifer Test Calc	CH2	7	08/21/07 A	07/19/07 A	1123	1122	1124
	Verify Aquifer Test Calc	CH2	5	07/11/08 A	11/03/07 A	1124	1123	1125
	Prepare Table & Figures - Aquifer Test Calc	CH2	12	12/19/07 A	02/06/08 A	1125	1124	1126
	Prepare Text - Aquifer Test Calc	CH2	8	02/11/08 A	02/15/08 A	1126	1125	079
	Groundwater Velocity & Flux Test Calc		57	03/05/07 A	02/15/08 A			
	GW Velocity & Flux Test Calc Package - Summary	CH2	57	03/05/07 A	02/15/08 A	1130		
	Collect Data	CH2	40	03/05/07 A	12/06/07 A	1131		1132
	Prepare GW Velocity & Flux Test Calc	CH2	5	08/02/07 A	08/15/07 A	1132	1131	1133
	Create GW Velocity & Flux Test Calc	CH2	7	08/15/07 A	08/29/07 A	1133	1132	1134
	Verify GW Velocity & Flux Test Calc	CH2	5	09/30/07 A	11/01/07 A	1134	1133	1135
	Prepare Table & Figures - GW Velocity & Flux Test Calc	CH2	12	12/19/07 A	02/06/08 A	1135	1134	1136
	Prepare Text - GW Velocity & Flux Test Calc	CH2	8	02/11/08 A	02/15/08 A	1136	1135	079
	Water Level Calc		57	03/05/07 A	02/15/08 A			
	Water Level Calc Package - Summary	CH2	57	03/05/07 A	02/15/08 A	1140		
	Collect Data	CH2	40	03/05/07 A	12/06/07 A	1141		1142
	Prepare Water Level Calc	CH2	5	08/02/07 A	08/15/07 A	1142	1141	1143
	Create Water Level Calc	CH2	7	08/15/07 A	08/29/07 A	1143	1142	1144
	Verify Water Level Calc	CH2	5	09/30/07 A	11/01/07 A	1144	1143	1145
	Prepare Table & Figures - Water Level Calc	CH2	12	12/19/07 A	02/06/08 A	1145	1144	1146
	Prepare Text - Water Level Calc	CH2	8	02/11/08 A	02/15/08 A	1146	1145	079
	Potentiometric Surface Calc		57	03/05/07 A	02/15/08 A			
	Potentiometric Surface Calc Package - Summary	CH2	57	03/05/07 A	02/15/08 A	1150		
	Collect Data	CH2	40	03/05/07 A	12/06/07 A	1151		1152
	Prepare Potentiometric Surface Calc	CH2	5	10/10/07 A	12/12/07 A	1152	1151	1153
	Create Potentiometric Surface Calc	CH2	7	10/15/07 A	01/14/08 A	1153	1152	1154
	Verify Potentiometric Surface Calc	CH2	5	10/15/07 A	01/21/08 A	1154	1153	1155
	Prepare Table & Figures - Potentiometric Surface Calc	CH2	12	12/19/07 A	02/06/08 A	1155	1154	1156
	Prepare Text - Potentiometric Surface Calc	CH2	8	02/11/08 A	02/15/08 A	1156	1155	079
	Groundwater Vertical Gradient Calc		57	03/05/07 A	02/15/08 A			
	Groundwater Vertical Gradient Calc Package - Summary	CH2	57	03/05/07 A	02/15/08 A	1160		
	Collect Data	CH2	40	03/05/07 A	12/06/07 A	1161		1162
	Prepare Groundwater Vertical Gradient Calc	CH2	5	10/10/07 A	12/12/07 A	1162	1161	1163
	Create Groundwater Vertical Gradient Calc	CH2	7	10/15/07 A	12/17/07 A	1163	1162	1164
	Verify Groundwater Vertical Gradient Calc	CH2	5	10/15/07 A	01/28/08 A	1164	1163	1165

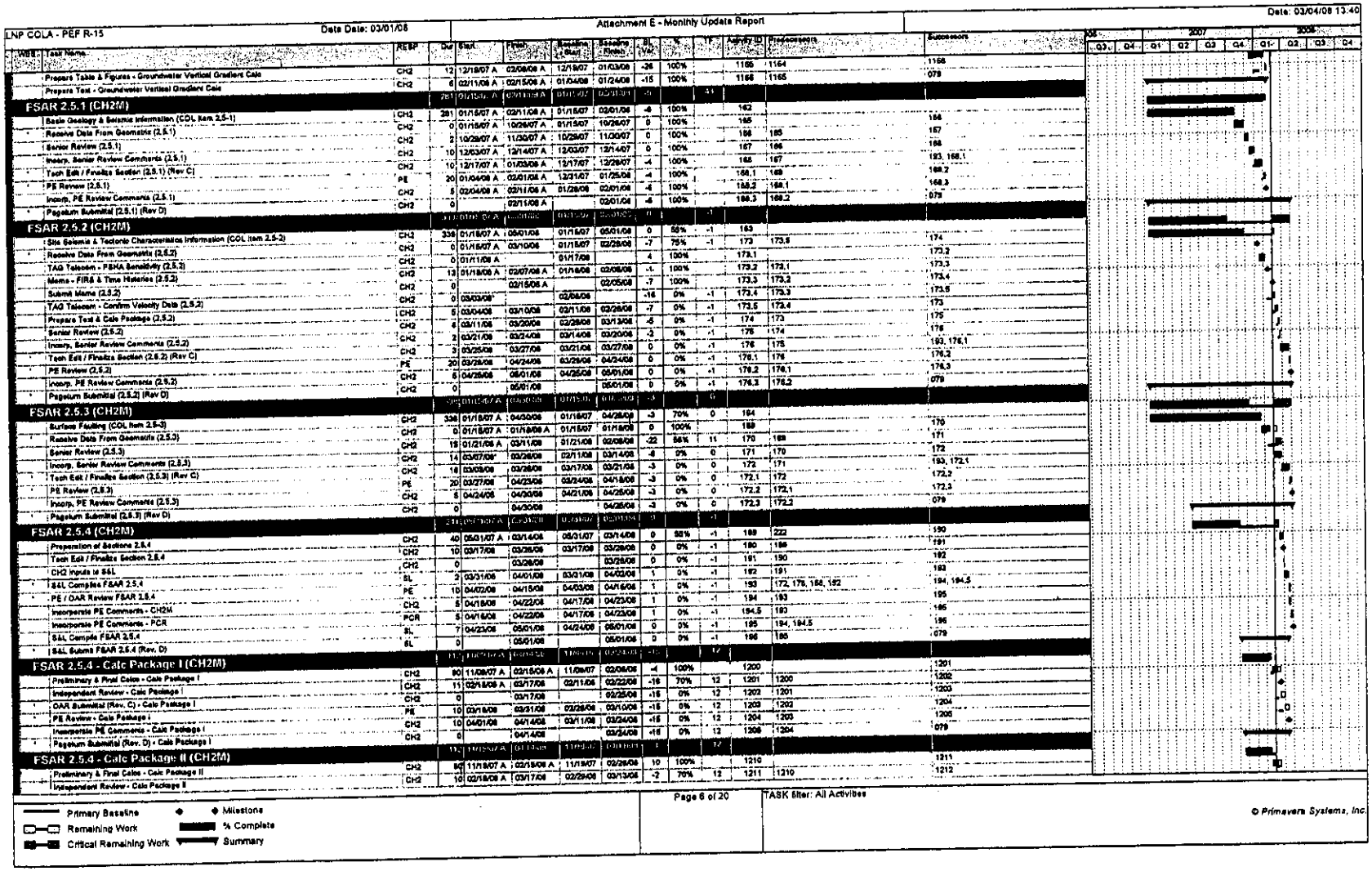
Primary Baseline | Remaining Work | Critical Remaining Work | Milestone | % Complete | Summary

Page 5 of 20

TASK filter: All Activities

© Primavera Systems, Inc.

[!] CONFIDENTIAL



LNP COLA - PEF R-15 | Data Date: 03/01/08 | Attachment E - Monthly Update Report | Date: 03/04/08 13:40

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	SL Var.	%	TF	Activity ID	Predecessors	Successors
	Prepare Table & Figures - Groundwater Vertical Gradient Calc	CH2	12	12/18/07 A	02/08/08 A	12/18/07	01/03/08	-26	100%		1165	1164	1166
	Prepare Text - Groundwater Vertical Gradient Calc	CH2	6	02/11/08 A	02/15/08 A	01/04/08	01/24/08	-15	100%		1166	1165	079
	FSAR 2.5.1 (CH2M)		281	01/15/07 A	03/11/08 A	01/15/07	02/01/08	-6		44			
	Basic Geology & Seismic Information (COL Item 2.5-1)	CH2	281	01/15/07 A	03/11/08 A	01/15/07	02/01/08	-6	100%		162		166
	Receive Data From Geomatrix (2.5.1)	CH2	0	01/15/07 A	10/26/07 A	01/15/07	10/26/07	0	100%		165		167
	Senior Review (2.5.1)	CH2	2	10/29/07 A	11/02/07 A	10/29/07	11/30/07	0	100%		166	165	168
	Incorp. Senior Review Comments (2.5.1)	CH2	10	12/03/07 A	12/14/07 A	12/03/07	12/14/07	0	100%		167	166	193, 168.1
	Tech Edit / Finalize Section (2.5.1) (Rev C)	CH2	10	12/17/07 A	01/03/08 A	12/17/07	12/28/07	-4	100%		168	167	168.2
	PE Review (2.5.1)	PE	20	01/04/08 A	02/01/08 A	12/31/07	01/25/08	-4	100%		168.1	168	168.3
	Incorp. PE Review Comments (2.5.1)	CH2	5	02/04/08 A	02/11/08 A	01/28/08	02/01/08	-6	100%		168.2	168.1	079
	Pagelum Submittal (2.5.1) (Rev D)	CH2	0		02/11/08 A		02/01/08	-6	100%		168.3	168.2	
	FSAR 2.5.2 (CH2M)		338	01/15/07 A	05/01/08	01/15/07	05/01/08	0	56%	-1	163		
	Site Seismic & Tectonic Characteristics Information (COL Item 2.5-2)	CH2	0	01/15/07 A	03/10/08	01/15/07	02/29/08	-7	75%	-1	173	173.5	174
	Receive Data From Geomatrix (2.5.2)	CH2	0	01/11/08 A		01/17/08		4	100%		173.1		173.2
	TAG Telecon - PSHA Sensitivity (2.5.2)	CH2	13	01/15/08 A	02/07/08 A	01/15/08	02/08/08	-1	100%		179.2	173.1	173.3
	Memo - FIRS & Time Histories (2.5.2)	CH2	0		02/15/08 A		02/05/08	-7	100%		173.3	173.2	173.4
	Submit Memo (2.5.2)	CH2	0	03/03/08*		02/08/08		-16	0%	-1	173.4	173.3	173.5
	TAG Telecon - Confirm Velocity Data (2.5.2)	CH2	5	03/04/08	03/10/08	02/11/08	02/26/08	-7	0%	-1	173.5	173.4	173
	Prepare Text & Calc Package (2.5.2)	CH2	4	03/11/08	03/20/08	02/28/08	03/13/08	-5	0%	-1	174	173	175
	Senior Review (2.5.2)	CH2	2	03/21/08	03/24/08	03/14/08	03/20/08	-3	0%	-1	176	174	176
	Incorp. Senior Review Comments (2.5.2)	CH2	3	03/25/08	03/27/08	03/21/08	03/27/08	0	0%	-1	176	176	193, 176.1
	Tech Edit / Finalize Section (2.5.2) (Rev C)	PE	20	03/28/08	04/24/08	03/28/08	04/24/08	0	0%	-1	176.1	176	176.2
	PE Review (2.5.2)	CH2	5	04/25/08	05/01/08	04/25/08	05/01/08	0	0%	-1	176.2	176.1	176.3
	Incorp. PE Review Comments (2.5.2)	CH2	0		05/01/08		05/01/08	0	0%	-1	176.3	176.2	079
	Pagelum Submittal (2.5.2) (Rev D)												
	FSAR 2.5.3 (CH2M)		338	01/15/07 A	04/30/08	01/15/07	04/28/08	-3	70%	0	164		
	Surface Faulting (COL Item 2.5-3)	CH2	0	01/15/07 A	01/15/08 A	01/15/07	01/15/08	0	100%		169		170
	Receive Data From Geomatrix (2.5.3)	CH2	19	01/21/08 A	03/11/08	01/21/08	02/08/08	-22	56%	11	170	169	171
	Senior Review (2.5.3)	CH2	14	03/07/08*	03/26/08	02/11/08	03/14/08	-8	0%	0	171	170	172
	Incorp. Senior Review Comments (2.5.3)	CH2	18	03/09/08	03/26/08	03/17/08	03/21/08	-3	0%	0	172	171	193, 172.1
	Tech Edit / Finalize Section (2.5.3) (Rev C)	PE	20	03/27/08	04/23/08	03/24/08	04/18/08	-3	0%	0	172.1	172	172.2
	PE Review (2.5.3)	CH2	5	04/24/08	04/30/08	04/21/08	04/25/08	-3	0%	0	172.2	172.1	172.3
	Incorp. PE Review Comments (2.5.3)	CH2	0		04/30/08		04/25/08	-3	0%	0	172.3	172.2	079
	Pagelum Submittal (2.5.3) (Rev D)												
	FSAR 2.5.4 (CH2M)		40	05/01/07 A	03/14/08	05/01/07	03/14/08	0	88%	-1	189	222	190
	Preparation of Sections 2.5.4	CH2	10	03/17/08	03/26/08	03/17/08	03/26/08	0	0%	-1	190	189	191
	Tech Edit / Finalize Section 2.5.4	CH2	0		03/26/08		03/26/08	0	0%	-1	191	190	192
	CH2 Inputs to S&L	SL	2	03/31/08	04/01/08	03/31/08	04/02/08	1	0%	-1	192	191	193
	S&L Complete FSAR 2.5.4	PE	10	04/02/08	04/15/08	04/03/08	04/16/08	1	0%	-1	193	172, 175, 188, 192	194, 194.5
	PE / QAR Review FSAR 2.5.4	CH2	5	04/16/08	04/22/08	04/17/08	04/23/08	1	0%	-1	194	193	195
	Incorporate PE Comments - CH2M	PCR	5	04/16/08	04/22/08	04/17/08	04/23/08	1	0%	-1	194.5	193	196
	Incorporate PE Comments - PCR	SL	7	04/23/08	05/01/08	04/24/08	05/01/08	0	0%	-1	195	194, 194.5	079
	S&L Compile FSAR 2.5.4	SL	0		05/01/08		05/01/08	0	0%	-1	196	195	
	S&L Submit FSAR 2.5.4 (Rev. D)												
	FSAR 2.5.4 - Calc Package I (CH2M)	CH2	90	11/08/07 A	03/18/08 A	11/08/07	02/08/08	-4	100%		1200		1201
	Preliminary & Final Calcs - Calc Package I	CH2	11	02/15/08 A	03/17/08	02/11/08	02/22/08	-16	70%	12	1201	1200	1202
	Independent Review - Calc Package I	CH2	0		03/17/08		02/25/08	-16	0%	12	1202	1201	1203
	QAR Submittal (Rev. C) - Calc Package I	PE	10	03/18/08	03/31/08	02/26/08	03/10/08	-16	0%	12	1203	1202	1204
	PE Review - Calc Package I	CH2	10	04/01/08	04/14/08	03/11/08	03/24/08	-16	0%	12	1204	1203	1205
	Incorporate PE Comments - Calc Package I	CH2	5		04/14/08		03/24/08	-16	0%	12	1205	1204	079
	Pagelum Submittal (Rev. D) - Calc Package I												
	FSAR 2.5.4 - Calc Package II (CH2M)	CH2	90	11/19/07 A	03/18/08 A	11/19/07	02/29/08	10	100%		1210		1211
	Preliminary & Final Calcs - Calc Package II	CH2	10	02/18/08 A	03/17/08	02/29/08	03/13/08	-2	70%	12	1211	1210	1212
	Independent Review - Calc Package II												

Primary Baseline | Remaining Work | Critical Remaining Work | Milestone | % Complete | Summary

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

LNP COLA - PEF R-15 | Data Date: 03/01/08 | Attachment E - Monthly Update Report | Date: 03/04/08 13:40

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	TF	%	TF	Activity ID	Predecessors	Successors
	CAR Submittal (Rev. C) - Calc Package II	CH2	0		03/17/08		03/14/08	-1	0%	12	1212	1211	1213
	PE Review - Calc Package II	PE	10	03/17/08	03/31/08	03/17/08	03/28/08	-1	0%	12	1213	1212	1214
	Incorporate PE Comments - Calc Package II	CH2	10	03/31/08	04/14/08	03/31/08	04/11/08	-1	0%	12	1214	1213	1215
	Pregstarn Submittal (Rev. D) - Calc Package II	CH2	0		04/14/08		04/11/08	-1	0%	12	1215	1214	079
	FSAR 2.5.4 - Calc Package III (CH2M)												
	Preliminary & Final Calcs - Calc Package III	CH2	34	01/08/08 A	03/17/08	01/08/08	02/28/08	-12	60%	11	1220		1221
	Independent Review - Calc Package III	CH2	10	03/04/08	03/17/08	02/29/08	03/13/08	-2	0%	11	1221	1220	1222
	CAR Submittal (Rev. C) - Calc Package III	CH2	0		03/19/08		03/14/08	-2	0%	11	1222	1221	1223
	PE Review - Calc Package III	PE	10	03/19/08	04/01/08	03/17/08	03/28/08	-2	0%	11	1223	1222	1224
	Incorporate PE Comments - Calc Package III	CH2	10	04/02/08	04/15/08	03/31/08	04/11/08	-2	0%	11	1224	1223	1225
	Pregstarn Submittal (Rev. D) - Calc Package III	CH2	0		04/15/08		04/11/08	-2	0%	11	1225	1224	079
	FSAR 2.5.4 (PCR)							0					
	FSAR 2.5.4 PCR Scope - Summary	PCR	166	11/30/07 A	04/28/08	11/30/07	04/28/08	0	40%	88	PCR002		
	Mobilization - FSAR 2.5.4 (PCR)							0					
	Project Kick-Off / DOR	PCR	1	11/30/07 A	11/30/07 A	11/30/07	11/30/07	0	100%		PCR004		
	Define Inputs Needed by WEC for S&I	PCR	1	12/03/07 A	12/03/07 A	12/03/07	12/03/07	0	100%		PCR005		PCR007
	Define Inputs Needed by RIZZO for Analysis	PCR	1	12/03/07 A	12/03/07 A	12/03/07	12/03/07	0	100%		PCR006		PCR007
	Clarify Any Issues Regarding Defined Inputs	PCR	1	12/04/07 A	12/04/07 A	12/04/07	12/04/07	0	100%		PCR007	PCR006, PCR005	
	Submit Revised Proposal to S&L	PCR	0	12/06/07 A	12/06/07 A	12/06/07	12/06/07	0	100%		PCR008		PCR010
	Submit Project Schedule to S&L	PCR	0	12/06/07 A	12/06/07 A	12/06/07	12/06/07	0	100%		PCR008		PCR010
	Progress Energy Approval of Proposal / Schedule	PCR	3	12/06/07 A	12/17/07 A	12/06/07	12/17/07	1	100%		PCR010	PCR009, PCR008	
	Concept Development - FSAR 2.5.4 (PCR)							1					
	Obtain & review draft geotechnical inputs from CH2M	PCR	6	12/07/07 A	12/17/07 A	12/07/07	12/17/07	1	100%		PCR012		PCR015
	Issue Draft Design Concept of Subsurface to WEC	PCR	1	01/15/08 A	01/15/08 A	01/15/08	01/15/08	1	100%		PCR030	PCR017	
	Issue Draft Design Concept of Subsurface to CH2M	PCR	1	01/15/08 A	01/15/08 A	01/15/08	01/15/08	1	100%		PCR031	PCR017	
	Obtain Final Geotechnical Inputs from CH2M	PCR	1	01/25/08 A	01/25/08 A	01/15/08	01/15/08	-6	100%		PCR032	PCR017	
	Issue Final Design Concept of Subsurface to WEC	PCR	1	02/01/08 A	02/01/08 A	01/31/08	01/31/08	-1	100%		PCR036		PCR081
	Issue Final Design Concept of Subsurface to CH2M	PCR	1	02/01/08 A	02/01/08 A	01/31/08	01/31/08	0	100%		PCR037		PCR081
	Roller Compacted Concrete - FSAR 2.5.4 (PCR)							1					
	Review of CH2M Data	PCR	3	01/09/08 A	01/11/08 A	01/09/08	01/11/08	0	100%		PCR015	PCR012	PCR016
	Site / Material Reservoissance	PCR	2	01/21/08 A	01/22/08 A	01/14/08	01/15/08	-5	100%		PCR016	PCR015	PCR017
	Draft Concept Development RCC	PCR	2	01/23/08 A	01/24/08 A	01/16/08	01/17/08	-5	100%		PCR017	PCR016	PCR030, PCR031, PCR032
	2.5.4.3 Foundation Interface / Conceptual Design - (PCR)							0					
	Prepare Draft Text	PCR	19	02/06/08 A	03/04/08	02/01/08	02/29/08	-9	75%	87	PCR081	PCR038, PCR037	PCR082
	Technical Review of Text	PCR	5	03/05/08	03/11/08	02/21/08	02/28/08	-7	0%	87	PCR082	PCR081	PCR083
	Quality Assurance / Validation of Text	PCR	5	03/12/08	03/18/08	03/03/08	03/11/08	-5	0%	87	PCR083	PCR082	PCR084
	Submit FSAR Section 2.5.4.3 for CAR	PCR	0		03/18/08		03/11/08	-5	0%	87	PCR084	PCR083	PCR085
	CAR 2.5.4.3	SL	10	03/19/08	04/01/08	03/12/08	03/25/08	-5	0%	87	PCR085	PCR084	PCR086
	Submit Final FSAR Section 2.5.4.3	PCR	0		04/28/08*		04/28/08	0	0%	88	PCR086	PCR085	
	2.5.4.5 Excavation & Backfill - (PCR)							0					
	Prepare Draft Text	PCR	8	02/26/08 A	03/04/08	01/29/08	02/15/08	-12	75%	87	PCR088		PCR089
	Technical Review of Text	PCR	5	03/05/08	03/11/08	03/12/08	03/18/08	5	0%	87	PCR089	PCR088	PCR090
	Quality Assurance / Validation of Text	PCR	5	03/12/08	03/18/08	03/19/08	03/25/08	5	0%	87	PCR090	PCR089	PCR091
	Submit FSAR Section 2.5.4.5 for CAR	PCR	0		03/18/08		03/25/08	5	0%	87	PCR091	PCR090	PCR092
	CAR 2.5.4.5	SL	10	03/19/08	04/01/08	03/25/08	04/08/08	5	0%	87	PCR092	PCR091	PCR093
	Submit Final FSAR Section 2.5.4.5	PCR	0		04/28/08*		04/28/08	0	0%	88	PCR093	PCR092	
	2.5.4.6.2 Construction Dewatering - (PCR)							0					
	Prepare Draft Text	PCR	13	02/14/08 A	03/03/08	01/29/08	02/12/08	-14	75%	88	PCR095		PCR096
	Technical Review of Text	PCR	5	03/04/08	03/10/08	02/21/08	02/27/08	-8	0%	88	PCR096	PCR095	PCR097
	Quality Assurance / Validation of Text	PCR	5	03/11/08	03/17/08	02/28/08	03/05/08	-8	0%	88	PCR097	PCR096	PCR098
	Submit FSAR Section 2.5.4.6.2 for CAR	PCR	0		03/17/08		03/05/08	-8	0%	88	PCR098	PCR097	PCR099
	CAR 2.5.4.6.2	SL	10	03/18/08	03/31/08	03/06/08	03/19/08	-8	0%	88	PCR099	PCR098	PCR100
	Submit Final FSAR Section 2.5.4.6.2	PCR	0		04/28/08*		04/28/08	0	0%	88	PCR100	PCR099	

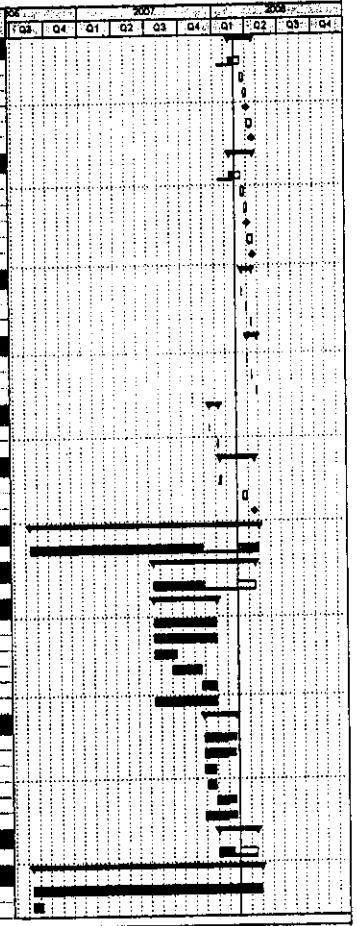
Primary Baseline | Milestone | Remaining Work | % Complete | Critical Remaining Work | Summary

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var.	%	TF	Activity ID	Predecessors	Successors
	2.5.4.10 Static Stability - (PCR)		45	02/15/08 A	04/18/08	01/11/08	04/18/08	0		74			
	Prepare Draft Text	PCR	22	02/15/08 A	03/17/08	01/18/08	02/28/08	-11	50%	74	PCR102		PCR103
	Technical Review of Text	PCR	8	03/18/08	03/27/08	03/18/08	03/27/08	0	0%	74	PCR103	PCR102	PCR104
	Quality Assurance / Validation of Text	PCR	6	03/28/08	04/04/08	03/28/08	04/04/08	0	0%	74	PCR104	PCR103	PCR105
	Submit FSAR Section 2.5.4.10 for OAR	PCR	0		04/04/08		04/04/08	0	0%	74	PCR105	PCR104	PCR106
	OAR 2.5.4.10	SL	10	04/07/08	04/18/08	04/07/08	04/18/08	0	0%	74	PCR106	PCR105	PCR107
	Submit Final FSAR Section 2.5.4.10	PCR	0		04/18/08		04/18/08	0	0%	74	PCR107	PCR106	
	2.5.4.12 Techniques to Improve Subsurface Conditions - (PCR)		45	02/15/08 A	04/18/08	01/11/08	04/18/08	0		74			
	Prepare Draft Text	PCR	22	02/15/08 A	03/17/08	01/18/08	02/28/08	-11	50%	74	PCR108		PCR110
	Technical Review of Text	PCR	8	03/18/08	03/27/08	03/18/08	03/27/08	0	0%	74	PCR110	PCR109	PCR111
	Quality Assurance / Validation of Text	PCR	6	03/28/08	04/04/08	03/28/08	04/04/08	0	0%	74	PCR111	PCR110	PCR112
	Submit FSAR Section 2.5.4.12 for OAR	PCR	0		04/04/08		04/04/08	0	0%	74	PCR112	PCR111	PCR113
	OAR 2.5.4.12	SL	10	04/07/08	04/18/08	04/07/08	04/18/08	0	0%	74	PCR113	PCR112	PCR114
	Submit Final FSAR Section 2.5.4.12	PCR	0		04/18/08		04/18/08	0	0%	74	PCR114	PCR113	
	FSAR 2.5.4 - Calc Package IV (PCR)		20	03/17/08	04/14/08	03/17/08	04/14/08	0		89			
	PCR Calculations Batch 4 for OAR	PCR	0	03/17/08*	03/17/08	03/17/08	03/17/08	0	0%	89	PCR117		
	PE OAR Calculations / EDFs Batch 4	PCR	0	03/31/08*	03/31/08	03/31/08	03/31/08	0	0%	89	PCR118		
	Finalize & Submit PCR Calculations / EDFs Batch 4	PCR	0	04/14/08*	04/14/08	04/14/08	04/14/08	0	0%	79	PCR119		
	FSAR 2.5.4 - Calc Package V (PCR)		20	03/31/08	04/28/08	03/31/08	04/28/08	0		69			
	PCR Calculations Batch 5 for OAR	PCR	0	03/31/08*	03/31/08	03/31/08	03/31/08	0	0%	69	PCR121		
	PE OAR Calculations / EDFs Batch 5	PCR	0	04/14/08*	04/14/08	04/14/08	04/14/08	0	0%	79	PCR122		
	Finalize & Submit PCR Calculations / EDFs Batch 5	PCR	0	04/28/08*	04/28/08	04/28/08	04/28/08	0	0%	69	PCR123		
	NRC Involvement - FSAR 2.5.4 (PCR)		19	12/18/07 A	01/10/08 A	12/18/07	01/10/08	0		101			
	Foundation Concept with Carl Costantino	PCR	1	12/18/07 A	12/18/07 A	12/18/07	12/18/07	0	100%		PCR125		
	Meeting with NRC Foundation Concept	PCR	3	01/08/08 A	01/10/08 A	01/08/08	01/10/08	0	100%		PCR126		
	FSAR 2.5.4 Westinghouse / NRC Interface		20	01/14/08 A	02/11/08 A	01/14/08	02/11/08	0		21			
	Preparation of Presentation of LNP Construction Approval	WEC	5	01/14/08 A	01/18/08 A	01/11/08	01/15/08	0	100%		WEC100		
	Receive WEC Geotech Assessment (Final Geotech Rpt)	WEC	10	03/17/08*	03/28/08	03/17/08	03/28/08	0	0%	89	WEC110		
	Receive Westinghouse SEI Assessment	WEC	0		04/18/08*		04/18/08	0	0%	0	WEC120		
	CWO #4 ER, Site Redress Plan and EP excluding subcontractor scope		448	08/14/06 A	05/01/08	08/14/06	05/01/08	0	75%	-1	186		079
4	CWO #4 ER, Site Redress Plan and EP excluding subcontractor scope	CH2	448	08/14/06 A	05/01/08	08/14/06	05/01/08	0	75%	-1	186		
	Aquatic Sampling		201	07/13/07 A	04/18/08	07/13/07	04/18/08	0	50%	74	693		
4.7	Aquatic Sampling	CH2	201	07/13/07 A	04/18/08	07/13/07	04/18/08	0	50%	74	693		
	Aquatic Sampling #1		126	07/13/07 A	12/31/07 A	07/13/07	12/31/07	0	100%		703		
	4.7.1 Aquatic Sampling #1	CH2	126	07/13/07 A	12/31/07 A	07/13/07	12/31/07	0	100%		713		
	Work Plan / Task Management	CH2	68	07/13/07 A	08/14/07 A	07/13/07	08/14/07	1	100%		723		
	Mobilization / De-mobilization	CH2	20	08/31/07 A	11/21/07 A	08/31/07	11/21/07	1	100%		733		
	Field Work	CH2	32	11/22/07 A	12/31/07 A	11/22/07	12/31/07	0	100%		743	823	
	Analysis - Aquatic Sampling #1	CH2	111	07/13/07 A	12/31/07 A	07/13/07	12/31/07	0	100%		753		
	QA 1		89	11/22/07 A	04/18/08	11/22/07	01/29/08	-19		104			
	Aquatic Sampling #2		80	11/26/07 A	02/22/08 A	11/26/07	01/29/08	-19	100%		763		
	4.7.2 Aquatic Sampling #2	CH2	80	11/26/07 A	02/18/08 A	11/26/07	01/29/08	-19	100%		773	803	
	Work Plan / Task Management	CH2	36	11/26/07 A	12/26/07 A	11/26/07	12/28/07	0	100%		783		
	Mobilization / De-mobilization	CH2	20	12/03/07 A	12/29/07 A	12/03/07	12/29/07	0	100%		793	803	
	Field Work	CH2	21	12/31/07 A	02/18/08 A	12/31/07	01/29/08	-19	100%		803	793, 773	813
	Analysis - Aquatic Sampling #2	CH2	80	11/26/07 A	02/22/08 A	11/26/07	01/29/08	-19	100%		813	803	079
	QA 2		78	01/02/08 A	04/18/08	01/02/08	04/18/08	0		74			
	Tech/Memo		70	01/02/08 A	04/18/08	01/02/08	04/18/08	0	40%	74	823	743	
	4.7.3 Tech Memo	CH2	70	01/02/08 A	04/18/08	01/02/08	04/18/08	0	40%	74	823	743	
	Environmental Report		448	08/14/06 A	05/01/08	08/14/06	05/01/08	0	90.2%	-1	200		
4.8	Environmental Report	CH2	20	08/14/06 A	09/06/06 A	08/14/06	09/06/06	0	100%		201	006	202, 204
	Perform preliminary ER evaluations for options for Makeup Water Intake and Blowdown discharge...	CH2											

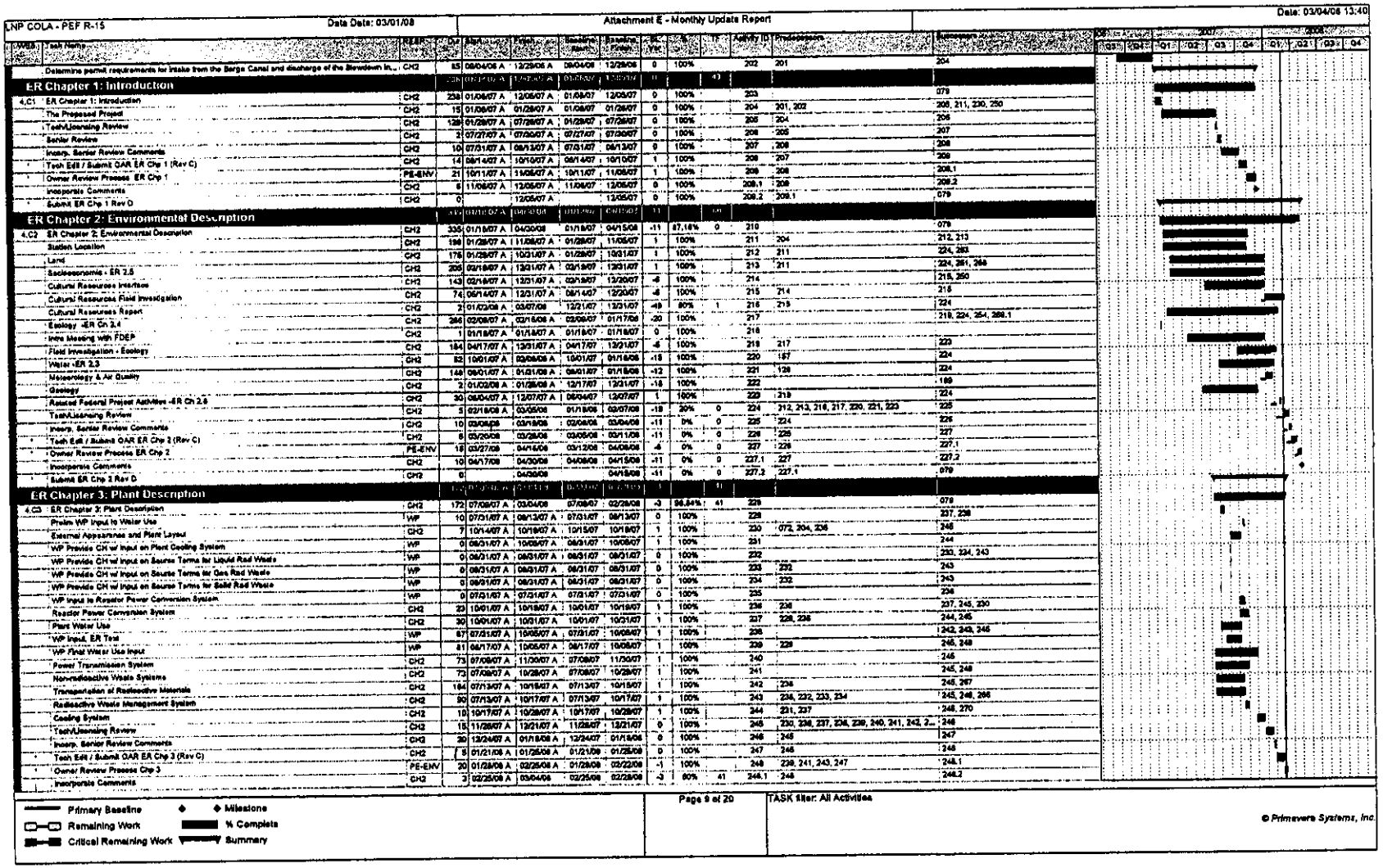


Primary Baseline ◆ Milestone
Remaining Work % Complete
Critical Remaining Work Summary

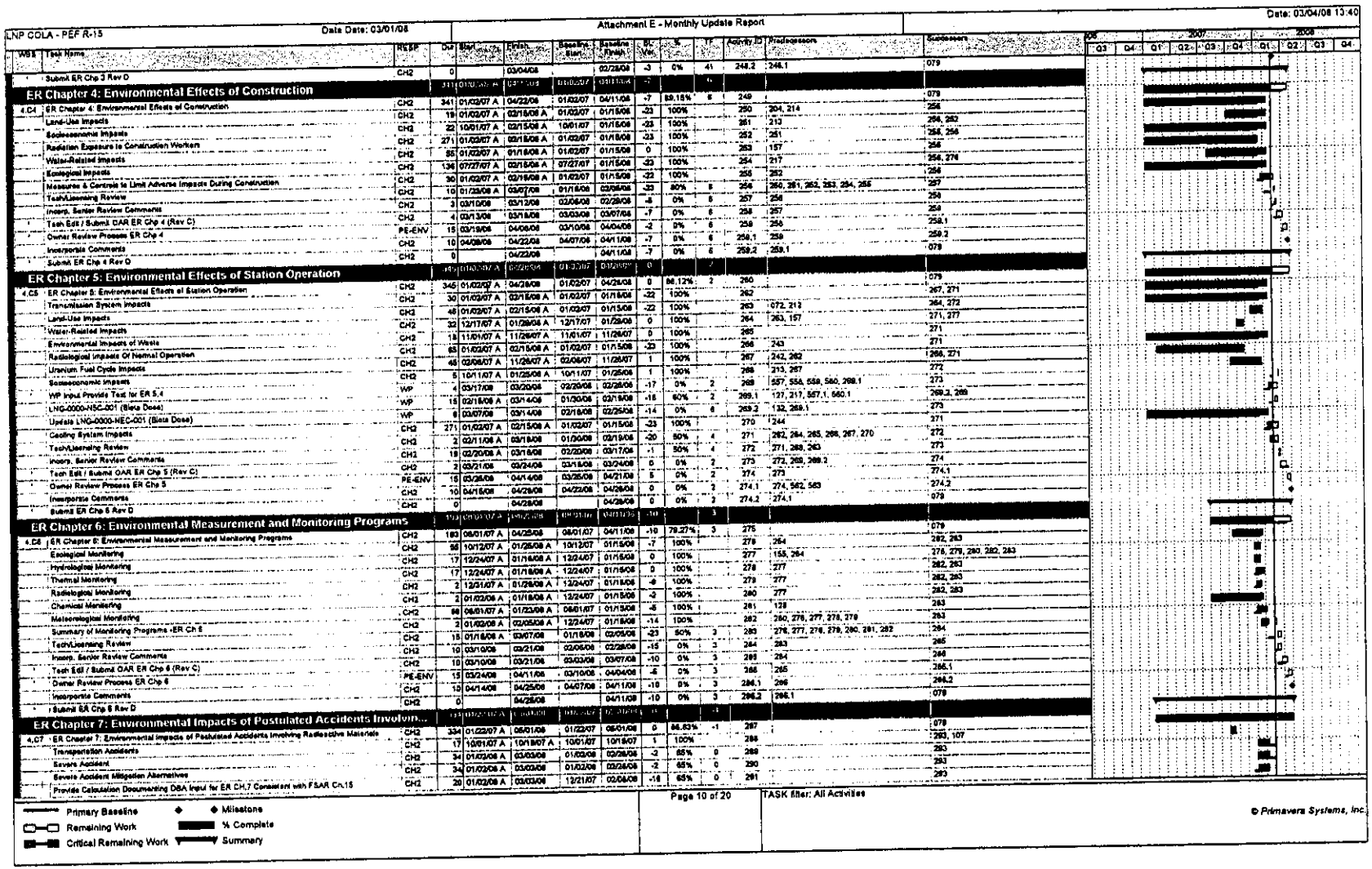
TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL



CONFIDENTIAL



CONFIDENTIAL

LNP COLA - PEF R-15 | Data Date: 03/01/08 | Attachment E - Monthly Update Report | Date: 03/04/08 13:40

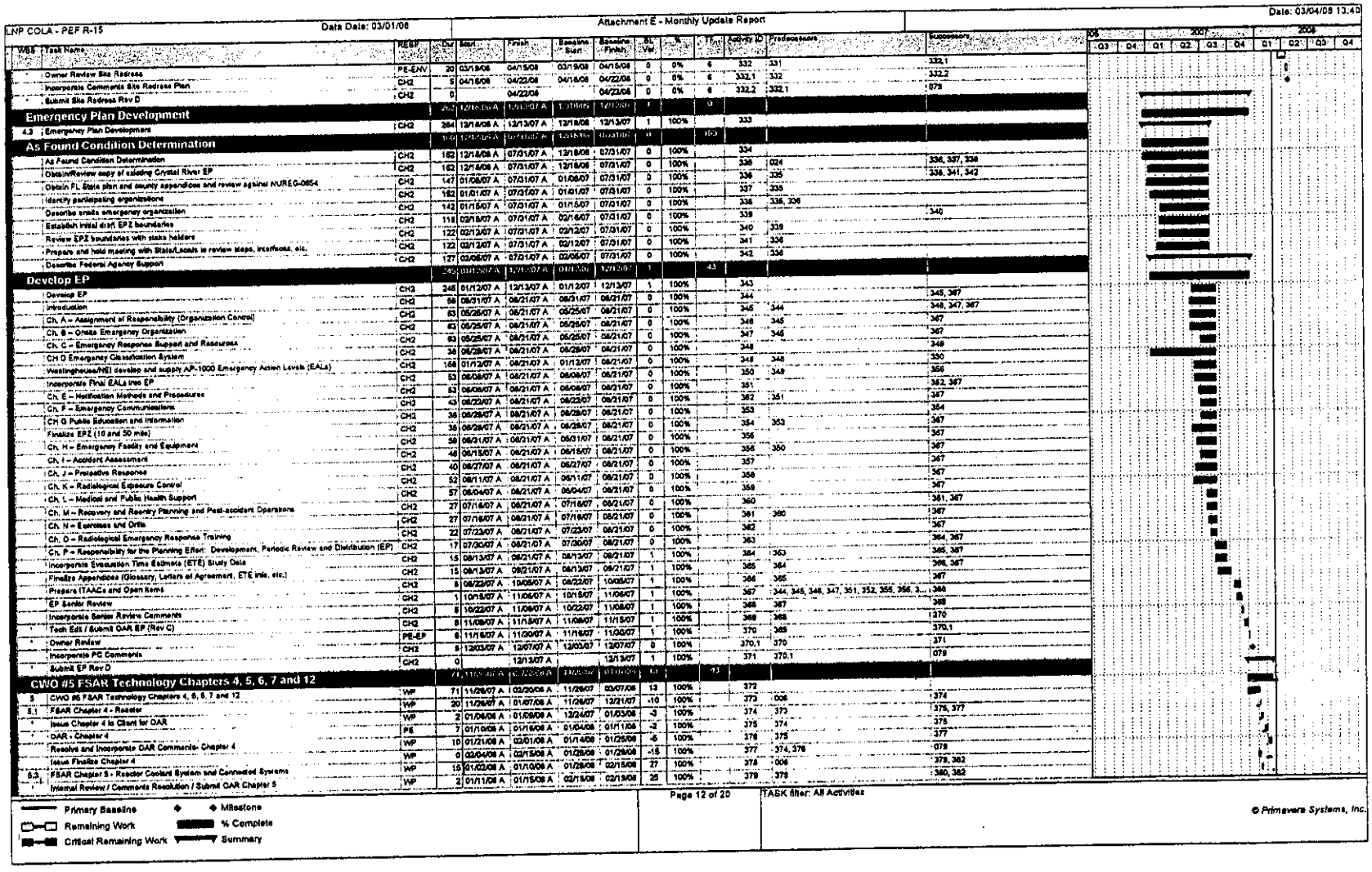
WBS	Task Name	R&R	Cal	Work	Finish	Baseline Start	Baseline Finish	BL Var	%	TF	Activity ID	Predecessors	Successors
	Design Basis Accident	CH2	2	01/22/07 A	02/06/08 A	01/22/07	02/06/08	1	100%		292	292.1	293
	LNG-0000-NSC-002 (DBA)	WP	10	12/27/07 A	01/04/08 A	12/27/07	01/09/08	4	100%		292.1	126	297
	Update LNG-0000-NSC-002 (DBA)	WP	5	02/28/08 A	03/03/08	02/20/08	02/26/08	-4	90%	-1	292.2	131	292.3
	Update Design Basis Accident	WP	1	02/29/08 A	03/04/08	02/27/08	02/27/08	-4	90%	-1	292.3	292.2	293
	Tech/Licensing Review	CH2	3	03/06/08	03/07/08	02/28/08	03/07/08	0	0%	-1	293	286, 288, 290, 291, 292, 292.3	294
	Incorp. Senior Review Comments	CH2	12	03/10/08	03/25/08	03/10/08	03/25/08	0	0%	-1	294	293	295
	Tech Edit / Submit OAR ER Chp 7 (Rev C)	CH2	2	03/26/08	03/27/08	03/26/08	03/27/08	0	0%	-1	295	294	296
	Owner Review Process ER Chp 7	PE-ENV	20	03/28/08	04/24/08	03/28/08	04/24/08	0	0%	-1	296	295	296.1
	Incorporate Comments	CH2	5	04/25/08	05/01/08	04/25/08	05/01/08	0	0%	-1	296.1	296	296.2
	Submit ER Chp 7 Rev D	CH2	0		05/01/08		05/01/08	0	0%	-1	296.2	296.1	079
	ER Chapter 8: Need For Power												
4.C8	ER Chapter 8: Need For Power	CH2	225	05/01/07 A	03/10/08	05/01/07	03/03/08	-5	97.33%	37	287		079
	PE Input on Need For Power	PE	1	05/01/07 A	11/30/07 A	05/01/07	11/30/07	0	100%		288		289, 300, 301, 302, 318
	Section 8.1	CH2	58	08/16/07 A	01/04/08 A	08/16/07	12/17/07	-14	100%		299	298	303
	Section 8.2	CH2	58	08/16/07 A	01/04/08 A	08/16/07	12/17/07	-14	100%		300	298	303
	Section 8.3	CH2	58	08/16/07 A	01/04/08 A	08/16/07	12/17/07	-14	100%		301	298	303
	Section 8.4	CH2	58	08/16/07 A	11/07/07 A	08/16/07	11/07/07	1	100%		302	299	303
	Tech/Licensing Review	CH2	6	01/07/08 A	01/11/08 A	12/18/07	12/24/07	-14	100%		303	299, 300, 301, 302	304
	Incorp. Senior Review Comments	CH2	6	01/14/08 A	01/21/08 A	12/26/07	01/21/08	0	100%		304	303	305
	Tech Edit / Submit OAR ER Chp 8 (Rev C)	CH2	5	01/22/08 A	01/28/08 A	01/22/08	01/28/08	0	100%		305	304	306
	Owner Review Process ER Chp 8	PE-ENV	20	01/30/08 A	03/03/08	01/28/08	02/25/08	-5	75%	37	306	305	306.1
	Incorporate Comments	CH2	5	03/04/08	03/10/08	02/26/08	03/03/08	-5	0%	37	306.1	306	306.2
	Submit ER Chp 8 Rev D	CH2	0		03/10/08		03/03/08	-5	0%	37	306.2	306.1	079
	ER Chapter 9: Alternatives to Proposed Action												
4.C9	ER Chapter 9: Alternatives to Proposed Action	CH2	178	08/01/07 A	04/02/08	08/01/07	03/24/08	-7	86.83%	20	307		079
	PE Input on Alternatives	PE	1	10/01/07 A	10/01/07 A	10/01/07	10/01/07	0	100%		308		309, 310, 311, 312, 313
	No-Action Alternative	CH2	91	08/01/07 A	12/10/07 A	08/01/07	12/10/07	1	100%		309	308	313
	Energy Alternatives	CH2	104	08/01/07 A	12/24/07 A	08/01/07	12/24/07	0	100%		310	308	313
	Alternative Sites	CH2	104	08/01/07 A	12/24/07 A	08/01/07	12/24/07	0	100%		311	308	313
	Alternative Plant and Transmission Systems	CH2	104	08/01/07 A	01/18/08 A	08/01/07	12/24/07	-15	100%		312	308	314
	Tech/Licensing Review	CH2	6	01/18/08 A	02/14/08 A	12/26/07	01/15/08	-20	100%		313	308, 309, 310, 311	314
	Incorp. Senior Review Comments	CH2	6	01/30/08 A	02/14/08 A	01/17/08	02/11/08	-5	100%		314	312, 313	315
	Tech Edit / Submit OAR ER Chp 9 (Rev C)	CH2	20	02/15/08 A	02/21/08 A	02/12/08	02/18/08	-2	100%		315	314	316
	Owner Review Process ER Chp 9	PE-ENV	10	02/22/08 A	03/18/08	02/18/08	03/17/08	-2	50%	20	316	315	316.1
	Incorporate Comments	CH2	10	03/20/08	04/02/08	03/18/08	03/24/08	-7	0%	20	316.1	316	316.2
	Submit ER Chp 9 Rev D	CH2	0		04/02/08		03/24/08	-7	0%	20	316.2	316.1	079
	ER Chapter 10: Environmental Consequences of Proposed Action												
4.C10	ER Chapter 10: Environmental Consequences of Proposed Action	CH2	157	08/09/07 A	04/28/08	08/10/07	04/11/08	-11	73.88%	2	317		079
	PE Market Analysis / Need for Power Input	PE	9	08/09/07 A	08/14/07 A	08/10/07	08/14/07	1	100%		318	296	319
	Unavoidable Adverse Environmental Impacts	CH2	10	08/14/07 A	01/28/08 A	08/14/07	01/15/08	-8	100%		319	318	320, 321, 322, 323
	Benefit-Cost Balance- ER Ch 10	CH2	10	08/14/07 A	01/28/08 A	08/14/07	01/15/08	-8	100%		320	319	323
	Irreversible and Irretrievable Commitments of Resources	CH2	10	08/21/07 A	01/28/08 A	08/21/07	01/15/08	-8	100%		321	319	323
	Relationship Between Short Term Uses and Long Term Productivity of the Human Environment	CH2	10	08/28/07 A	01/28/08 A	08/28/07	01/15/08	-8	100%		322	319	323
	Tech/Licensing Review	CH2	7	01/25/08 A	03/14/08	01/15/08	02/05/08	-28	50%	8	323	319, 320, 321, 322	324
	Incorp. Senior Review Comments	CH2	14	03/05/08*	03/24/08	02/06/08	02/25/08	-18	0%	2	324	323	325
	Tech Edit / Submit OAR ER Chp 10 (Rev C)	CH2	15	03/04/08	03/24/08	03/03/08	03/07/08	-11	0%	2	325	324	326
	Owner Review Process ER Chp 10	PE-ENV	20	03/26/08	04/21/08	03/10/08	04/04/08	-11	0%	2	326	325	326.1
	Incorporate Comments	CH2	5	04/22/08	04/28/08	04/07/08	04/11/08	-11	0%	2	326.1	326	326.2
	Submit ER Chp 10 Rev D	CH2	0		04/28/08		04/11/08	-11	0%	2	326.2	326.1	079
	Site Redress Plan												
4.2	Site Redress Plan	CH2	124	11/01/07 A	04/22/08	11/01/07	04/22/08	0	70.16%	8	327		079
	Develop Site Redress Plan	CH2	37	11/01/07 A	01/22/08 A	11/01/07	01/24/08	2	100%		328		329
	Senior Review	CH2	4	01/23/08 A	03/10/08	01/25/08	02/14/08	-17	40%	8	329	328	330
	Incorp. Senior Review Comments	CH2	6	02/26/08 A	03/11/08	02/15/08	03/11/08	0	40%	8	330	329	331
	Tech Edit / Submit OAR Site Redress Plan (Rev C)	CH2	6	03/12/08	03/19/08	03/12/08	03/19/08	0	0%	8	331	330	332

Primary Baseline | Milestone | Remaining Work | % Complete | Critical Remaining Work | Summary

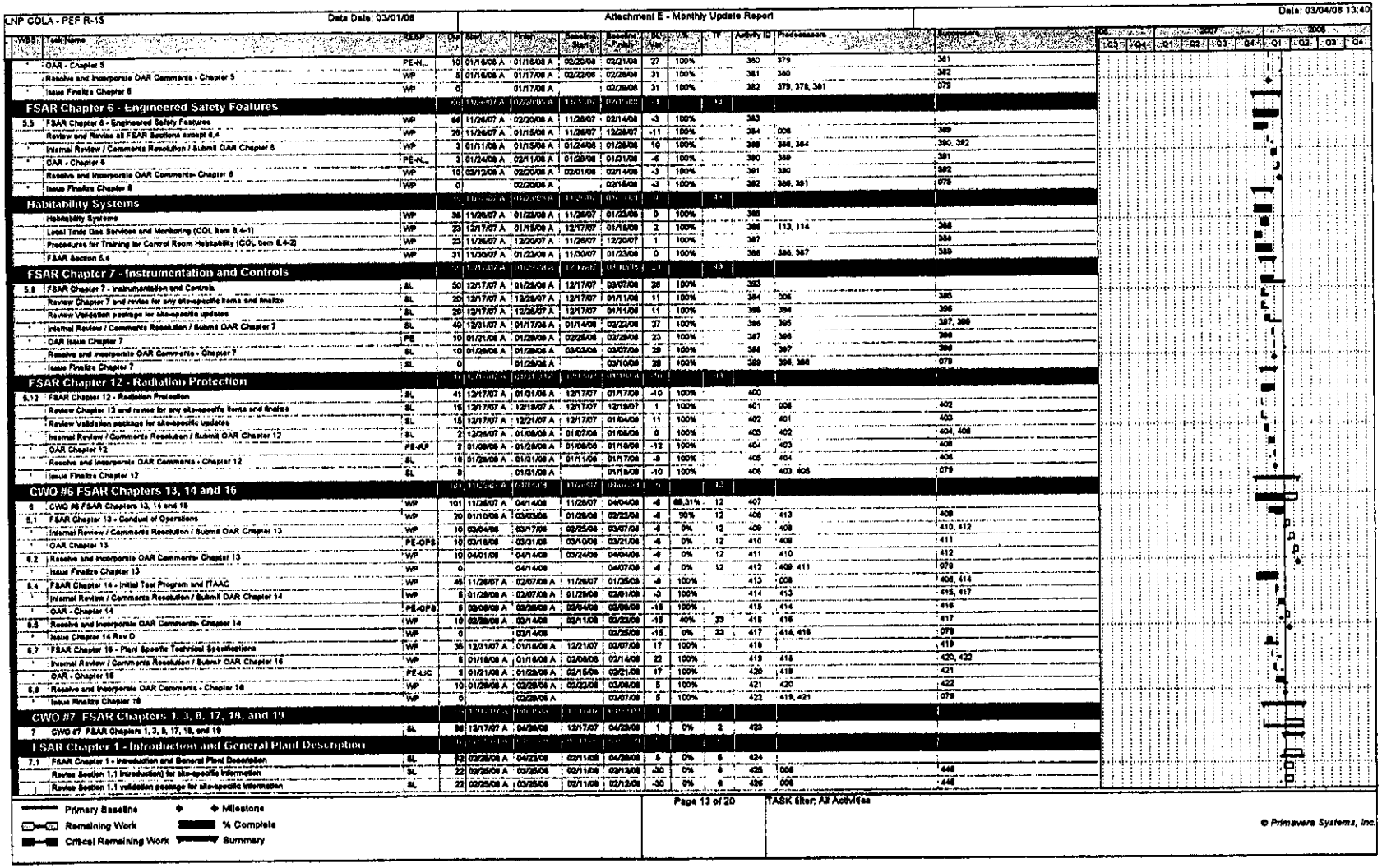
TASK filter: All Activities

© Primavera Systems, Inc.

[!] CONFIDENTIAL



CONFIDENTIAL



LNP COLA - PEF R-15 | Data Date: 03/01/08 | Attachment E - Monthly Update Report | Data: 03/04/08 13:40

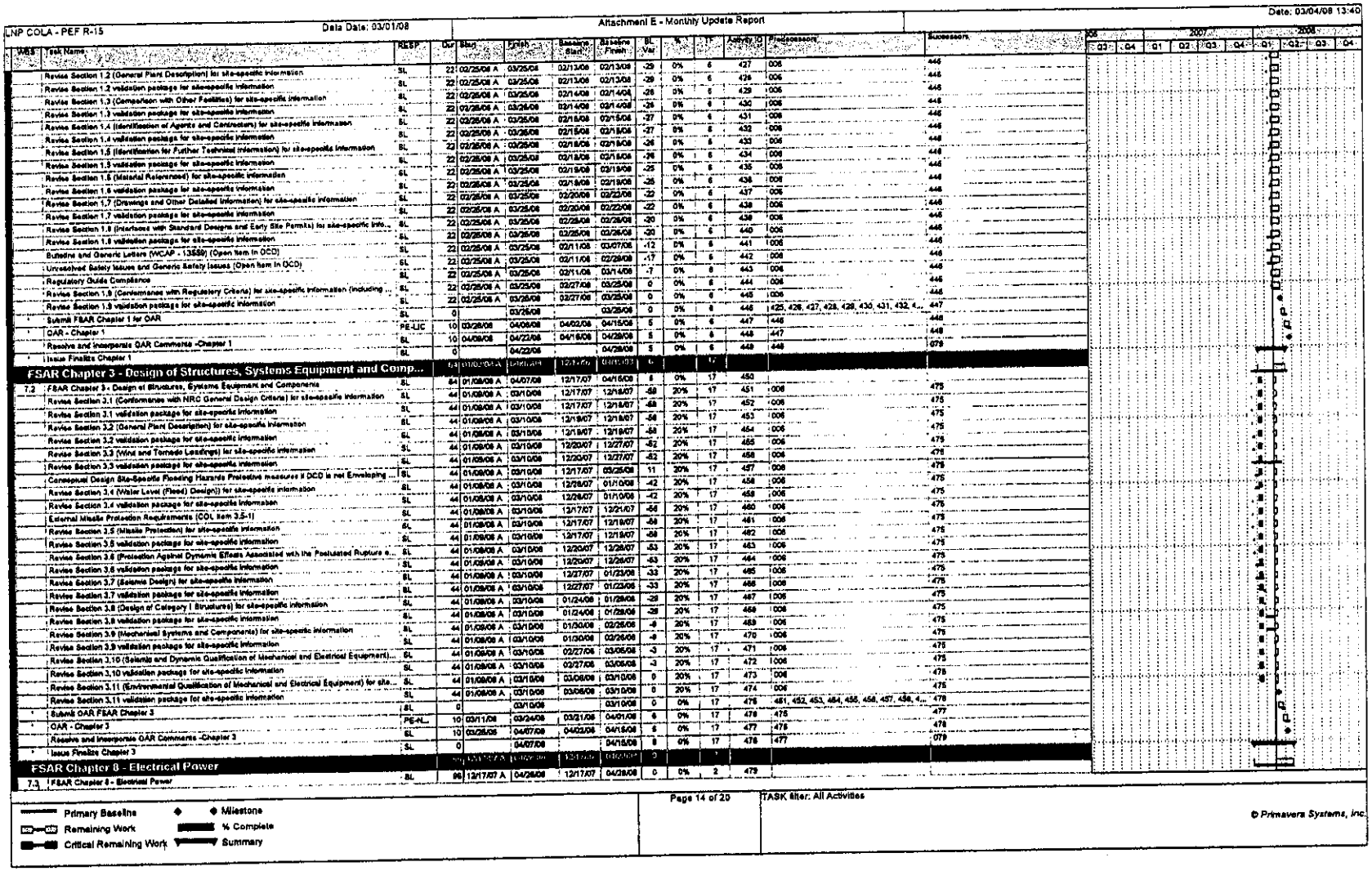
WBS	Task Name	RSRP	Dur	Start	Finish	Baseline Start	Baseline Finish	Var.	%	TF	Activity ID	Predecessors	Successors
	OAR - Chapter 5	PE-N...	10	01/16/08 A	01/16/08 A	02/25/08	02/21/08	27	100%		380	379	381
	Resolve and Incorporate OAR Comments - Chapter 5	WP	5	01/16/08 A	01/17/08 A	02/22/08	02/28/08	31	100%		381	380	382
	Issue Finalize Chapter 5	WP	0		01/17/08 A		02/28/08	31	100%		382	379, 378, 381	079
	FSAR Chapter 6 - Engineered Safety Features		64	11/26/07 A	02/20/08 A	11/26/07	02/15/08	-1		12			
5.5	FSAR Chapter 6 - Engineered Safety Features	WP	66	11/26/07 A	02/20/08 A	11/26/07	02/14/08	-3	100%		383		
	Review and Revise all FSAR Sections except 6.4	WP	25	11/26/07 A	01/15/08 A	11/26/07	12/28/07	+11	100%		384	008	389
	Internal Review / Comments Resolution / Submit OAR Chapter 6	WP	3	01/11/08 A	01/15/08 A	01/24/08	01/28/08	10	100%		389	388, 384	390, 392
	OAR - Chapter 6	PE-N...	3	01/24/08 A	02/11/08 A	01/28/08	01/31/08	-6	100%		390	389	391
	Resolve and Incorporate OAR Comments- Chapter 6	WP	10	02/12/08 A	02/20/08 A	02/01/08	02/14/08	-3	100%		391	390	392
	Issue Finalize Chapter 6	WP	0		02/20/08 A		02/15/08	-3	100%		392	388, 391	079
	Habitability Systems		38	11/26/07 A	01/23/08 A	11/26/07	01/23/08	0		14			
	Habitability Systems	WP	38	11/26/07 A	01/23/08 A	11/26/07	01/23/08	0	100%		386		388
	Local Tone Gas Services and Monitoring (COL Item 6.4-1)	WP	23	12/17/07 A	01/15/08 A	12/17/07	01/15/08	2	100%		386	113, 114	388
	Procedures for Training for Control Room Habitability (COL Item 6.4-2)	WP	23	11/26/07 A	12/20/07 A	11/26/07	12/20/07	1	100%		387		388
	FSAR Section 6.4	WP	31	11/30/07 A	01/23/08 A	11/30/07	01/23/08	0	100%		388	386, 387	389
	FSAR Chapter 7 - Instrumentation and Controls		50	12/17/07 A	01/29/08 A	12/17/07	03/07/08	-3		43			
5.8	FSAR Chapter 7 - Instrumentation and Controls	SL	50	12/17/07 A	01/29/08 A	12/17/07	03/07/08	28	100%		393		
	Review Chapter 7 and revise for any site-specific items and finalize	SL	20	12/17/07 A	12/28/07 A	12/17/07	01/11/08	11	100%		394	008	395
	Review Validation package for site-specific updates	SL	20	12/17/07 A	12/28/07 A	12/17/07	01/11/08	11	100%		395	394	396
	Internal Review / Comments Resolution / Submit OAR Chapter 7	SL	40	12/31/07 A	01/17/08 A	01/14/08	02/22/08	27	100%		396	395	397, 399
	OAR Issue Chapter 7	PE	10	01/21/08 A	01/29/08 A	02/25/08	03/28/08	23	100%		397	396	398
	Resolve and Incorporate OAR Comments - Chapter 7	SL	10	01/29/08 A	01/29/08 A	03/03/08	03/07/08	28	100%		398	397	399
	Issue Finalize Chapter 7	SL	0		01/29/08 A		03/10/08	28	100%		399	398, 388	079
	FSAR Chapter 12 - Radiation Protection		41	12/17/07 A	01/31/08 A	12/17/07	01/17/08	-10		11			
5.12	FSAR Chapter 12 - Radiation Protection	SL	41	12/17/07 A	01/31/08 A	12/17/07	01/17/08	-10	100%		400		
	Review Chapter 12 and revise for any site-specific items and finalize	SL	19	12/17/07 A	12/19/07 A	12/17/07	12/19/07	1	100%		401	008	402
	Review Validation package for site-specific updates	SL	18	12/17/07 A	12/21/07 A	12/17/07	01/04/08	11	100%		402	401	403
	Internal Review / Comments Resolution / Submit OAR Chapter 12	SL	2	12/26/07 A	01/08/08 A	01/07/08	01/08/08	0	100%		403	402	404, 408
	OAR Chapter 12	PE-HP	2	01/28/08 A	01/28/08 A	01/08/08	01/10/08	-12	100%		404	403	408
	Resolve and Incorporate OAR Comments - Chapter 12	SL	10	01/28/08 A	01/31/08 A	01/11/08	01/17/08	-9	100%		405	404	406
	Issue Finalize Chapter 12	SL	0		01/31/08 A		01/18/08	-10	100%		406	403, 405	079
	CWO #6 FSAR Chapters 13, 14 and 16		101	11/26/07 A	04/14/08	11/26/07	04/04/08	-8		12			
6	CWO #6 FSAR Chapters 13, 14 and 16	WP	101	11/26/07 A	04/14/08	11/26/07	04/04/08	-8	69.31%	12	407		
6.1	FSAR Chapter 13 - Conduct of Operations	WP	20	01/10/08 A	03/03/08	01/28/08	02/22/08	-8	90%	12	408	413	409
	Internal Review / Comments Resolution / Submit OAR Chapter 13	WP	10	03/04/08	03/17/08	02/25/08	03/07/08	-8	0%	12	409	408	410, 412
	OAR Chapter 13	PE-OPS	10	03/18/08	03/31/08	03/10/08	03/21/08	-8	0%	12	410	409	411
6.2	Resolve and Incorporate OAR Comments- Chapter 13	WP	10	04/01/08	04/14/08	03/24/08	04/04/08	-8	0%	12	411	410	412
	Issue Finalize Chapter 13	WP	0		04/14/08		04/07/08	-8	0%	12	412	409, 411	079
6.4	FSAR Chapter 14 - Initial Test Program and ITAAC	WP	45	11/26/07 A	02/07/08 A	11/26/07	01/25/08	-9	100%		413	008	408, 414
	Internal Review / Comments Resolution / Submit OAR Chapter 14	WP	5	01/28/08 A	02/07/08 A	01/29/08	02/01/08	-3	100%		414	413	415, 417
	OAR - Chapter 14	PE-OPS	5	02/08/08 A	02/28/08 A	02/04/08	02/08/08	-15	100%		415	414	416
6.5	Resolve and Incorporate OAR Comments- Chapter 14	WP	10	02/29/08 A	03/14/08	02/11/08	02/22/08	-15	40%	33	416	415	417
	Issue Chapter 14 Rev 0	WP	0		03/14/08		02/25/08	-15	0%	33	417	414, 416	079
6.7	FSAR Chapter 16 - Plant Specific Technical Specifications	WP	36	12/31/07 A	01/16/08 A	12/21/07	02/07/08	17	100%		418		419
	Internal Review / Comments Resolution / Submit OAR Chapter 16	WP	5	01/16/08 A	01/16/08 A	02/08/08	02/14/08	22	100%		419	418	420, 422
	OAR - Chapter 16	PE-LIC	5	01/21/08 A	01/28/08 A	02/15/08	02/21/08	17	100%		420	419	421
6.8	Resolve and Incorporate OAR Comments - Chapter 16	WP	10	01/29/08 A	02/28/08 A	02/22/08	03/06/08	5	100%		421	420	422
	Issue Finalize Chapter 16	WP	0		02/28/08 A		03/07/08	5	100%		422	419, 421	079
	CWO #7 FSAR Chapters 1, 3, 8, 17, 18, and 19		86	12/17/07 A	04/29/08	12/17/07	04/29/08	1	0%	2	423		
7	CWO #7 FSAR Chapters 1, 3, 8, 17, 18, and 19	SL	86	12/17/07 A	04/29/08	12/17/07	04/29/08	1	0%	2	423		
	FSAR Chapter 1 - Introduction and General Plant Description		32	02/26/08 A	04/23/08	02/11/08	04/28/08	5	0%	6	424		
7.1	FSAR Chapter 1 - Introduction and General Plant Description	SL	32	02/26/08 A	04/23/08	02/11/08	04/28/08	5	0%	6	424		
	Revise Section 1.1 Introduction) for site-specific information	SL	22	02/26/08 A	03/25/08	02/11/08	02/13/08	-30	0%	6	425	008	446
	Review Section 1.1 validation package for site-specific information	SL	22	02/26/08 A	03/25/08	02/11/08	02/13/08	-30	0%	6	426	008	446

Primary Baseline | Milestone | Remaining Work | % Complete | Critical Remaining Work | Summary

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL



LNP COLA - PEF R-15 | Data Date: 03/01/08 | Attachment E - Monthly Update Report | Date: 03/04/08 13:40

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var	%	TF	Activity ID	Predecessors	Successors
	Revise Section 1.2 (General Plant Description) for site-specific information	SL	22	02/25/08 A	03/25/08	02/13/08	02/13/08	-29	0%	6	427	006	446
	Revise Section 1.2 validation package for site-specific information	SL	22	02/25/08 A	03/25/08	02/13/08	02/13/08	-29	0%	6	428	006	446
	Revise Section 1.3 (Comparison with Other Facilities) for site-specific information	SL	22	02/25/08 A	03/25/08	02/14/08	02/14/08	-29	0%	6	429	006	446
	Revise Section 1.3 validation package for site-specific information	SL	22	02/25/08 A	03/25/08	02/14/08	02/14/08	-29	0%	6	430	006	446
	Revise Section 1.4 (Identification of Agents and Contractors) for site-specific information	SL	22	02/25/08 A	03/25/08	02/15/08	02/15/08	-27	0%	6	431	006	446
	Revise Section 1.4 validation package for site-specific information	SL	22	02/25/08 A	03/25/08	02/15/08	02/15/08	-27	0%	6	432	006	446
	Revise Section 1.5 (Identification for Further Technical Information) for site-specific information	SL	22	02/25/08 A	03/25/08	02/18/08	02/18/08	-26	0%	6	433	006	446
	Revise Section 1.5 validation package for site-specific information	SL	22	02/25/08 A	03/25/08	02/18/08	02/18/08	-26	0%	6	434	006	446
	Revise Section 1.6 (Material Referenced) for site-specific information	SL	22	02/25/08 A	03/25/08	02/19/08	02/19/08	-25	0%	6	435	006	446
	Revise Section 1.6 validation package for site-specific information	SL	22	02/25/08 A	03/25/08	02/19/08	02/19/08	-25	0%	6	436	006	446
	Revise Section 1.7 (Drawings and Other Detailed Information) for site-specific information	SL	22	02/25/08 A	03/25/08	02/20/08	02/22/08	-22	0%	6	437	006	446
	Revise Section 1.7 validation package for site-specific information	SL	22	02/25/08 A	03/25/08	02/20/08	02/22/08	-22	0%	6	438	006	446
	Revise Section 1.8 (Interfaces with Standard Designs and Early Site Permits) for site-specific info...	SL	22	02/25/08 A	03/25/08	02/25/08	02/26/08	-20	0%	6	439	006	446
	Revise Section 1.8 validation package for site-specific information	SL	22	02/25/08 A	03/25/08	02/25/08	02/26/08	-20	0%	6	440	006	446
	Bulletins and Generic Letters (NRCAP - 13559) (Open Item in DCD)	SL	22	02/25/08 A	03/25/08	02/11/08	03/07/08	-12	0%	6	441	006	446
	Unresolved Safety Issues and Generic Safety Issues (Open Item in DCD)	SL	22	02/25/08 A	03/25/08	02/11/08	02/28/08	-17	0%	6	442	006	446
	Regulatory Guide Compliance	SL	22	02/25/08 A	03/25/08	02/11/08	03/14/08	-7	0%	6	443	006	446
	Revise Section 1.9 (Conformance with Regulatory Criteria) for site-specific information (including ...	SL	22	02/25/08 A	03/25/08	02/27/08	03/25/08	0	0%	6	444	006	446
	Revise Section 1.9 validation package for site-specific information	SL	22	02/25/08 A	03/25/08	02/27/08	03/25/08	0	0%	6	445	006	446
*	Submit FSAR Chapter 1 for OAR	SL	0		03/25/08		03/25/08	0	0%	6	446	425, 426, 427, 428, 429, 430, 431, 432, 4...	447
*	OAR - Chapter 1	PE-LIC	10	03/26/08	04/08/08	04/02/08	04/15/08	5	0%	6	447	446	448
*	Resolve and Incorporate OAR Comments -Chapter 1	SL	10	04/09/08	04/22/08	04/16/08	04/29/08	5	0%	6	448	447	079
*	Issue Finalize Chapter 1	SL	0		04/22/08		04/29/08	5	0%	6	449	448	
	FSAR Chapter 3 - Design of Structures, Systems Equipment and Comp...		84	01/08/08 A	04/07/08	12/17/07	04/15/08	5		17			
7.2	FSAR Chapter 3 - Design of Structures, Systems Equipment and Components	SL	84	01/08/08 A	04/07/08	12/17/07	04/15/08	5	0%	17	450		475
	Revise Section 3.1 (Conformance with NRC General Design Criteria) for site-specific information	SL	44	01/08/08 A	03/10/08	12/17/07	12/18/07	-58	20%	17	451	006	475
	Revise Section 3.1 validation package for site-specific information	SL	44	01/08/08 A	03/10/08	12/17/07	12/18/07	-58	20%	17	452	006	475
	Revise Section 3.2 (General Plant Description) for site-specific information	SL	44	01/08/08 A	03/10/08	12/18/07	12/18/07	-58	20%	17	453	006	475
	Revise Section 3.2 validation package for site-specific information	SL	44	01/08/08 A	03/10/08	12/18/07	12/18/07	-58	20%	17	454	006	475
	Revise Section 3.3 (Wind and Tornado Loadings) for site-specific information	SL	44	01/08/08 A	03/10/08	12/20/07	12/27/07	-52	20%	17	455	006	475
	Revise Section 3.3 validation package for site-specific information	SL	44	01/08/08 A	03/10/08	12/20/07	12/27/07	-52	20%	17	456	006	475
	Consequal Design Site-Specific Flooding Hazards Protective measures if DCD is not Enveloping ...	SL	44	01/08/08 A	03/10/08	12/17/07	03/25/08	11	20%	17	457	006	475
	Revise Section 3.4 (Water Level (Flood) Design)) for site-specific information	SL	44	01/08/08 A	03/10/08	12/28/07	01/10/08	-42	20%	17	458	006	475
	Revise Section 3.4 validation package for site-specific information	SL	44	01/08/08 A	03/10/08	12/28/07	01/10/08	-42	20%	17	459	006	475
	External Missile Protection Requirements (COL Item 3.5-1)	SL	44	01/08/08 A	03/10/08	12/17/07	12/21/07	-56	20%	17	460	006	475
	Revise Section 3.5 (Missile Protection) for site-specific information	SL	44	01/08/08 A	03/10/08	12/17/07	12/19/07	-58	20%	17	461	006	475
	Revise Section 3.5 validation package for site-specific information	SL	44	01/08/08 A	03/10/08	12/17/07	12/19/07	-58	20%	17	462	006	475
	Revise Section 3.6 (Protection Against Dynamic Effects Associated with the Postulated Rupture o...	SL	44	01/08/08 A	03/10/08	12/20/07	12/26/07	-53	20%	17	463	006	475
	Revise Section 3.6 validation package for site-specific information	SL	44	01/08/08 A	03/10/08	12/20/07	12/26/07	-53	20%	17	464	006	475
	Revise Section 3.7 (Seismic Design) for site-specific information	SL	44	01/08/08 A	03/10/08	12/27/07	01/23/08	-33	20%	17	465	006	475
	Revise Section 3.7 validation package for site-specific information	SL	44	01/08/08 A	03/10/08	12/27/07	01/23/08	-33	20%	17	466	006	475
	Revise Section 3.8 (Design of Category I Structures) for site-specific information	SL	44	01/08/08 A	03/10/08	01/24/08	01/28/08	-29	20%	17	467	006	475
	Revise Section 3.8 validation package for site-specific information	SL	44	01/08/08 A	03/10/08	01/24/08	01/28/08	-29	20%	17	468	006	475
	Revise Section 3.9 (Mechanical Systems and Components) for site-specific information	SL	44	01/08/08 A	03/10/08	01/30/08	02/25/08	-9	20%	17	469	006	475
	Revise Section 3.9 validation package for site-specific information	SL	44	01/08/08 A	03/10/08	01/30/08	02/26/08	-9	20%	17	470	006	475
	Revise Section 3.10 (Seismic and Dynamic Qualification of Mechanical and Electrical Equipment)...	SL	44	01/08/08 A	03/10/08	02/27/08	03/05/08	-3	20%	17	471	006	475
	Revise Section 3.10 validation package for site-specific information	SL	44	01/08/08 A	03/10/08	02/27/08	03/05/08	-3	20%	17	472	006	475
	Revise Section 3.11 (Environmental Qualification of Mechanical and Electrical Equipment) for site...	SL	44	01/08/08 A	03/10/08	03/06/08	03/10/08	0	20%	17	473	006	475
	Revise Section 3.11 validation package for site-specific information	SL	44	01/08/08 A	03/10/08	03/06/08	03/10/08	0	20%	17	474	006	475
*	Submit OAR FSAR Chapter 3	SL	0		03/10/08		03/10/08	0	0%	17	475	461, 462, 463, 464, 465, 466, 467, 468, 4...	476
*	OAR - Chapter 3	PE-H...	10	03/11/08	03/24/08	03/31/08	04/01/08	6	0%	17	476	475	477
*	Resolve and Incorporate OAR Comments -Chapter 3	SL	10	03/25/08	04/07/08	04/02/08	04/15/08	5	0%	17	477	476	478
*	Issue Finalize Chapter 3	SL	0		04/07/08		04/15/08	5	0%	17	478	477	079
	FSAR Chapter 8 - Electrical Power		86	12/17/07 A	04/28/08	12/17/07	04/28/08	0		2			
7.3	FSAR Chapter 8 - Electrical Power	SL	86	12/17/07 A	04/28/08	12/17/07	04/28/08	0	0%	2	479		

Primary Baseline | Milestone | Remaining Work | % Complete | Critical Remaining Work | Summary

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

LNP COLA - PEF R-15 | Data Date: 03/01/08 | Attachment E - Monthly Update Report | Date: 03/04/08 13:40

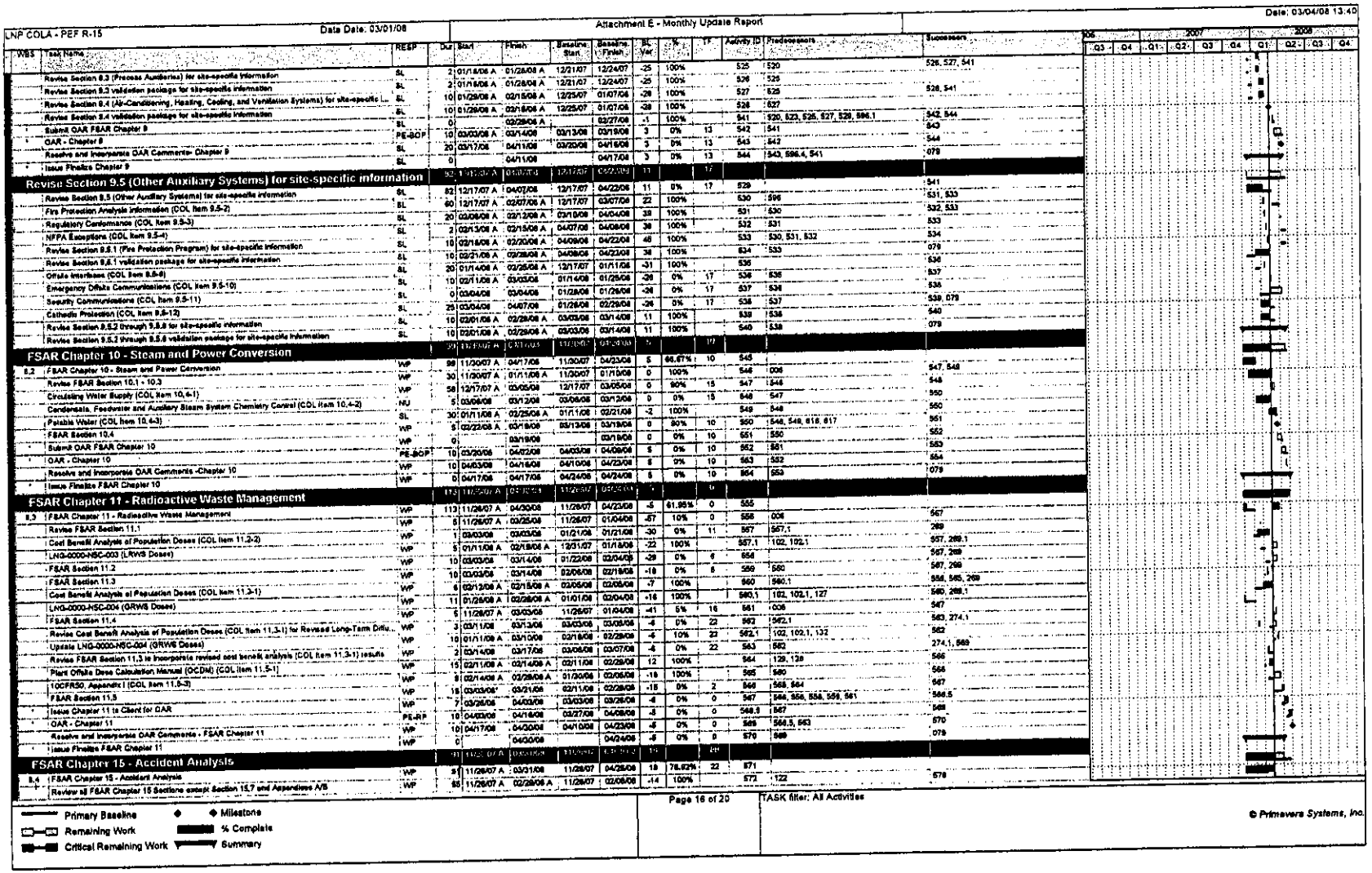
WBS	Task Name	Activity Id	Dur	Start	Finish	Baseline Start	Baseline Finish	Total Float	% Complete	Activity ID	Predecessors	Successors
*	PEF Provide Transmission System Interconnections	PE-ELE	22	12/17/07 A	01/15/08 A	12/17/07	01/15/08	0	100%	480		481, 487.5
	Develop a brief description of whole system	SL	19	01/16/08 A	02/12/08 A	01/16/08	01/29/08	-10	100%	481	480	482
	Revise Section 8.1 (Introduction) for site-specific information	SL	10	03/17/08	03/28/08	02/01/08	02/27/08	-22	0%	2	482	483, 492
	Revise Section 8.1 validation package for site-specific information	SL	10	03/17/08	03/28/08	02/01/08	02/14/08	-31	0%	2	483	492
	FSAR 8.2 Narrative including COLA 8.2-1 & 8.2-2	SL	13	12/17/07 A	03/24/08	01/29/08	02/14/08	-27	0%	6	486	630, 652, 634, 636, 808, 778
	Field Resistivity Measurements	SL	14	01/22/08 A	02/15/08 A				100%		487.5	480
	Grounding and lighting protection (COL Item 8.3-1)	SL	20	02/18/08 A	03/14/08	12/17/07	12/28/07	-56	0%	2	488	487.5
	PE Input on Outage - RFI 299	PE	1	01/16/08 A	01/16/08 A	01/28/08	01/28/08	7	100%		488.2	488.5
	Calc for Grid Availability	SL	22	02/04/08 A	03/04/08				0%	20	488.5	488.2
	FSAR 8.3 Narrative	SL	30	02/11/08 A	03/21/08	12/31/07	01/25/08	-40	0%	2	490	486
	Submit OAR FSAR Chapter 8	SL	0		03/28/08		03/27/08	-22	0%	2	492	486, 482, 480, 488.5, 483
	OAR - Chapter 8	PE-E...	10	03/31/08	04/11/08	03/14/08	03/27/08	-11	0%	2	493	492
	Resolve and Incorporate OAR Comments - Chapter 8	SL	11	04/14/08	04/28/08	03/28/08	04/28/08	9	0%	2	494	493
	Issue Finalize Chapter 8	SL	0		04/28/08		04/28/08	9	0%	2	495	494
	PEF Issue Grid Stability Report - RFI 156	PE	1	03/03/08	03/03/08	01/31/08	01/31/08	-22	0%	16	609	495
	Prepare Switchyard FMEA	SL	20	02/15/08 A	03/24/08	01/29/08	02/28/08	-20	0%	4	779	637.8
	Submit FMEA for OAR	SL	0		03/24/08				0%	7	779.5	778
	OAR Switchyard FMEA	PE	10	03/25/08	04/07/08	02/29/08	03/10/08	-30	0%	7	788	779.5
	Finalize Switchyard FMEA	SL	10	04/08/08	04/21/08	03/11/08	03/24/08	-30	0%	7	799	788
	FSAR Chapter 17 - Quality Assurance (Prepare Chapter)											
7.4	FSAR Chapter 17 - Quality Assurance (Prepare Chapter)	SL	32	12/17/07 A	01/31/08 A	12/17/07	01/22/08	-6	100%		486	
	Revise Chapter 17 for site-specific information	SL	20	12/17/07 A	12/18/07 A	12/17/07	12/18/07	1	100%		487	006
	Revise Chapter 17 validation package for site-specific information	SL	20	12/17/07 A	01/03/08 A	12/17/07	01/11/08	7	100%		486	487
	Submit OAR FSAR Chapter 17	SL	0		01/03/08 A		01/11/08	7	100%		488	486
	Issue Chapter 17 to Client for OAR	SL	7	01/03/08 A	01/03/08 A	01/14/08	01/14/08	8	100%		488.5	488
	OAR - Chapter 17	PE-QA	1	01/04/08 A	01/04/08 A	01/15/08	01/15/08	4	100%		500	499.5
	Resolve and Incorporate OAR Comments - Chapter 17	SL	10	01/11/08 A	01/31/08 A	01/16/08	01/22/08	-6	100%		501	500
	Issue Finalize Chapter 17	SL	0		01/31/08 A		01/22/08	-6	100%		502	501
	FSAR Chapter 18 - Human Factors Engineering											
7.5	FSAR Chapter 18 - Human Factors Engineering	SL	86	01/07/08 A	03/21/08	12/17/07	03/21/08	0	0%	28	503	
	Design of Emergency Operational Facility (COL Item 18.2-2)	SL	15	01/07/08 A	01/30/08 A	12/17/07	01/04/08	-18	100%		504	006
	Revise Chapter 18 for site-specific information	SL	36	01/07/08 A	02/22/08 A	12/17/07	02/22/08	0	100%		505	006
	Revise Chapter 18 validation package for site-specific information	SL	35	01/07/08 A	02/22/08 A	12/17/07	02/22/08	0	100%		506	006
	Submit FSAR Chapter 18 for OAR	SL	0		02/22/08 A		02/22/08	0	100%		507	506, 504, 505
	OAR - Chapter 18	PE-HC	10	02/25/08 A	03/07/08	03/03/08	03/07/08	0	0%	28	508	507
	Resolve and Incorporate OAR Comments - Chapter 18	SL	10	03/10/08	03/21/08	03/10/08	03/21/08	0	0%	28	509	508
	Issue Finalize Chapter 18	SL	0		03/21/08		03/24/08	0	0%	28	510	508, 507
	FSAR Chapter 19 - Plant Specific PRA											
7.6	FSAR Chapter 19 - Plant Specific PRA	SL	46	12/31/07 A	02/05/08	01/02/08	02/28/08	-6	0%	40	511	
	Revise Chapter 19 for site-specific information	SL	20	12/31/07 A	01/15/08 A	01/02/08	01/29/08	11	100%		512	
	Revise Chapter 19 validation package for site-specific information	SL	30	12/31/07 A	01/18/08 A	01/02/08	02/12/08	20	100%		513	512
	Issue Chapter 19 to Client for OAR	SL	8	01/17/08 A	01/17/08 A	01/30/08	02/08/08	14	100%		514	512
	OAR - Chapter 19	PE-PRA	10	01/18/08 A	01/30/08 A	02/04/08	02/13/08	18	100%		515	514
	Resolve and Incorporate OAR Comments - Chapter 19	SL	10	01/31/08 A	02/06/08	02/13/08	02/26/08	-6	0%	40	516	515
	Issue Finalize Chapter 19	SL	0		02/05/08		02/27/08	-6	0%	40	517	516, 513
	FSAR Chapters 9, 10, 11 and 15											
9	FSAR Chapters 9, 10, 11 and 15	SL	272	04/16/07 A	04/30/08	04/16/07	04/25/08	-3	0%	86	518	
	FSAR Chapter 9 - Auxiliary Systems											
9.1	FSAR Chapter 9 - Auxiliary Systems	SL	280	04/16/07 A	04/11/08	04/16/07	04/22/08	7	0%	78	519	
	Revise Section 9.1 (Fuel Storage and Handling) for site-specific information	SL	4	01/14/08 A	01/17/08 A	12/17/07	12/20/07	-20	100%		520	521, 526, 541
	Revise Section 9.1 validation package for site-specific information	SL	4	01/14/08 A	01/17/08 A	12/17/07	12/20/07	-20	100%		521	520
	The site-specific portions of the sanitary drainage system will be incorporated into the FSAR whe...	SL	149	04/16/07 A	03/07/08	04/16/07	02/22/08	-10	30%	13	522	523
	Revise Section 9.2 (Water Systems) for site-specific information	SL	3	03/10/08	03/13/08	02/25/08	02/27/08	-10	0%	13	523	522
	Revise Section 9.2 validation package for site-specific information	SL	3	03/10/08	03/13/08	02/25/08	02/27/08	-10	0%	101	524	523

Primary Baseline | Milestone | Remaining Work | % Complete | Critical Remaining Work | Summary

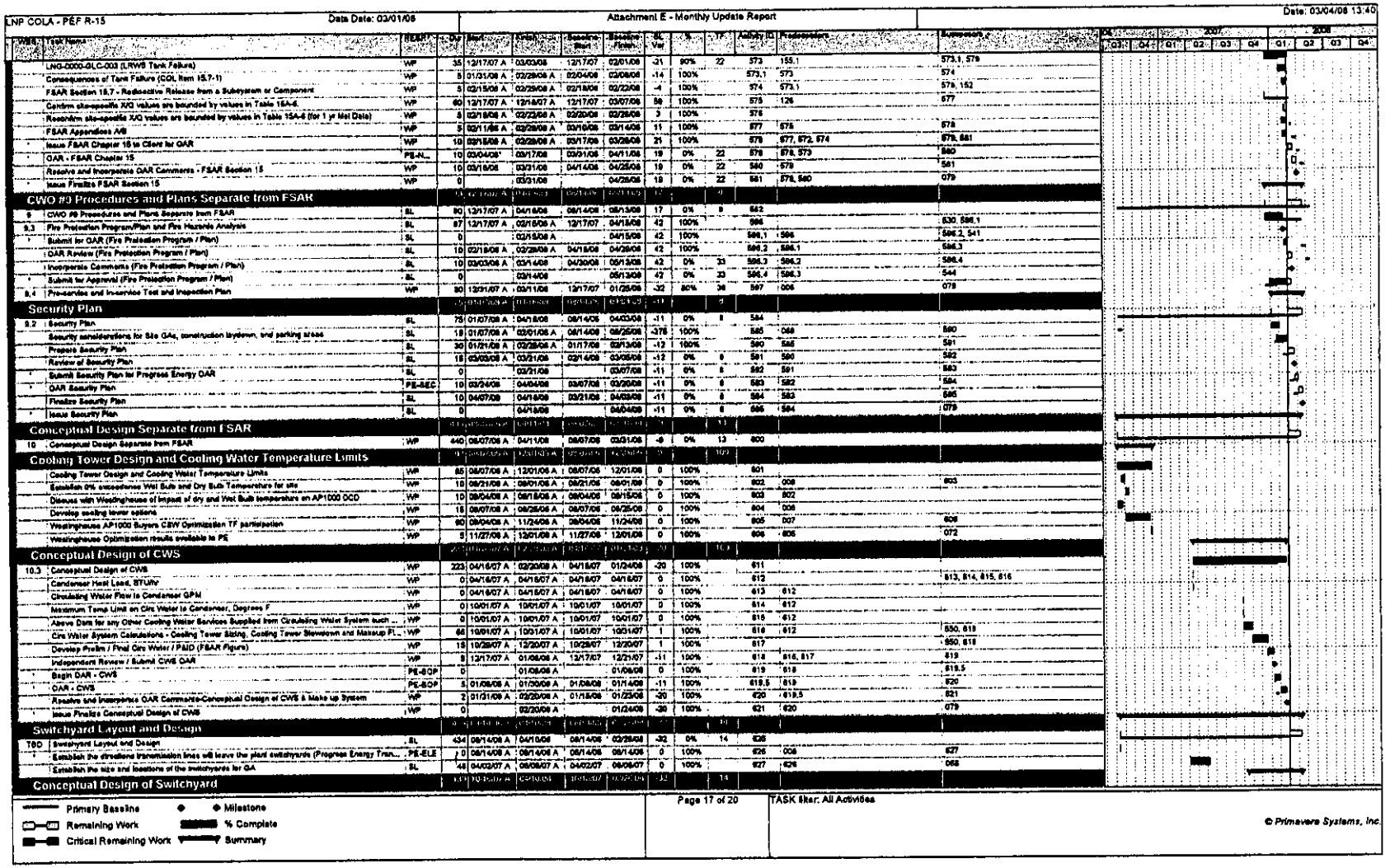
Page 15 of 20 | TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL



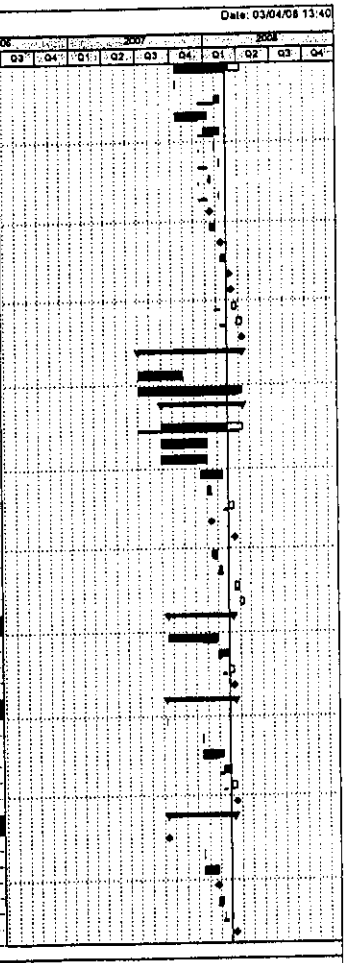
CONFIDENTIAL



CONFIDENTIAL

LNP COLA - PEF R-15 | Data Date: 03/01/08 | Attachment E - Monthly Update Report | Date: 03/04/08 13:40

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var	%	TF	Activity ID	Predecessors	Successors
10.1	Conceptual Design of Switchyard	SL	139	10/16/07 A	04/1/0/08	10/16/07	02/26/08	-72	62.73%	14	628		631
	PGN Provide Transmission Line Description & Dwg Line Routes	PE-ELE	0	10/16/07 A	10/16/07 A	10/16/07	10/16/07	0	100%		630	631	486, 637.9
	Develop Switchyard Physical Layout Dwgs	SL	1	01/31/08 A	02/13/08 A	12/18/07	01/28/08	-12	100%		631	629	632, 630, 637
	PGN Provide Desired Configuration of Switchyard	PE-ELE	10	10/16/07 A	01/1/1/08 A	10/16/07	12/17/07	-15	100%		632	631	486, 637.9
	Develop Switchyard Single Line Diagrams	SL	21	12/31/07 A	02/13/08 A	12/17/07	01/28/08	-12	100%		633		634, 635
	PGN Provide Description of New Switchyard Relay Protection - RFI 295	PE-ELE	2	01/28/08 A	01/30/08 A	12/17/07	12/17/07	-32	100%		634	633	486, 637.9
	Develop Descriptions of Switchyard Prot. Relay Philosophy	SL	1	02/11/08 A	02/11/08 A	12/17/07	01/11/08	-21	100%		635	633	636
	PGN Provide Description of Existing Offsite Power Test & Inspection Procedures	PE-ELE	0	01/14/08 A	01/14/08 A	12/17/07	12/17/07	-24	100%		636	635	486, 637.9
	Develop Descriptions of Switchyard Testing & Inspection Plan	SL	1	02/11/08 A	02/11/08 A	12/17/07	01/11/08	-21	100%		637	631	637.1
	Issue Switchyard One-Line for OAR	SL	0		01/1/8/08 A				100%		637.1	637	637.8, 637.2
	OAR of Switchyard One-line	PE-ELE	5	01/17/08 A	01/30/08 A				100%		637.2	637.1	637.3
	Issue Switchyard Physical for OAR	SL	0		02/13/08 A				100%		637.3	637.2	637.8, 637.7
	OAR of Switchyard Physical	PE-ELE	8	02/14/08 A	02/28/08 A				100%		637.7	637.3	637.8
	Issue Switchyard Conceptual Design Drawings for OAR	SL	0		03/07/08*		01/28/08	-29	0%	17	637.8	637.7	638, 776
	Issue Switchyard Conceptual Design Report for OAR	SL	0		03/13/08*		01/28/08	-33	0%	13	637.9	630, 632, 634, 636, 637.1, 637.3, 637.7	638
	OAR of Switchyard Conceptual Design	PE-ELE	10	03/14/08	03/27/08	01/28/08	02/11/08	-33	0%	14	638	637.9	640
	Resolve and Incorporate OAR Comments - Conceptual Design of Switchyard	SL	10	03/28/08	04/10/08	02/12/08	02/25/08	-33	0%	14	639	638	079
	Issue Finalize Conceptual Design of Switchyard	SL	0		04/10/08		02/26/08	-33	0%	14	640	639	
CWO #12 Site Unique Scope Not in RFP			209	07/02/07 A	04/1/1/08	07/02/07	03/31/08	0		39			
12.11	Site Arrangement, Reports and Surveys	SL	89	07/02/07 A	10/31/07 A	07/02/07	10/31/07	1	100%		641		
12.1...	Phase 1 Makeup Water & Blowdown Eval/Study/Report	SL	206	07/02/07 A	04/1/1/08	07/02/07	03/31/08	-8	100%	13	661		
LNP Site Grading & Drainage			151	08/31/07 A	04/1/1/08	07/02/07	03/31/08	-30		13			
12.XX	Complete Conceptual Grading and Drainage	SL	151	08/31/07 A	04/1/1/08	07/02/07	03/31/08	-9	81.37%	13	673		863
	Grading & Drainage Design	SL	52	08/31/07 A	01/03/08 A	08/31/07	01/03/08	0	100%		835		863
	Storm Water Ponds Design	SL	52	08/31/07 A	01/03/08 A	08/31/07	01/03/08	0	100%		843		873
	Railroad Access Design	SL	45	12/17/07 A	02/15/08 A	12/17/07	02/15/08	0	100%		853		883
	Finalize Grading, Drain, SW Design	SL	11	01/04/08 A	01/15/08 A	01/04/08	01/17/08	3	100%		863	833, 843	893
	Finalize Railroad Access Design	SL	10	03/03/08*	03/14/08	02/18/08	02/29/08	-10	0%	13	873	853	903
	Submit OAR Grading, Drain, SW	SL	0		01/15/08 A		01/17/08	3	100%		883	863	813
	Submit OAR Railroad Access	SL	0		03/17/08		03/03/08	-10	0%	13	893	873	903,1
	OAR Grading, Drain, SW-PE 2wks	PE	10	01/16/08 A	02/01/08 A	01/18/08	01/31/08	0	100%		903	883	079
	Finalize Grading & Drainage	SL	10	02/04/08 A	02/13/08 A	02/01/08	02/14/08	3	100%		903.1	903	923
	OAR Railroad Access	PE	10	03/17/08	03/28/08	03/17/08	03/28/08	0	0%	13	813	883	079
	Finalize Rail Access	PE	10	03/31/08	04/11/08	03/31/08	03/31/08	-8	0%	13	923	813	
Mechanical Draft Cooling Towers			63	08/17/07 A	11/13/08	08/17/07	02/27/08	-31		36			
12.18*	Conceptual Cooling Tower Spec / Submit OAR	SL	30	08/17/07 A	01/31/08 A	12/17/07	01/25/08	-3	100%		L801-015		L801-060
	OAR Conceptual Design Cooling Tower	PE	10	02/01/08 A	02/28/08 A	01/28/08	02/04/08	-13	100%		L801-060	L801-015	L801-070
12.18	Receive / Incorporate OAR Comments	SL	10	02/29/08 A	03/13/08	02/11/08	02/22/08	-14	0%	34	L801-070	L801-060	L801-080
12.18*	Issue Final Report Mechanical Draft Cooling Towers	SL	0		03/13/08		02/25/08	-12	0%	34	L801-080	L801-070	079
CW Make-up Water System			121	08/13/07 A	02/13/08	08/13/07	01/13/08	-14		39			
12.08	Site Visit	SL	1	08/13/07 A	08/13/07 A	08/13/07	08/13/07	0	100%		L802-010		L803-015
	PE Decision on Pipe	PE	1	12/17/07 A	12/17/07 A	12/17/07	12/17/07	0	100%		L802-012		L802-140
12.09	Conceptual Design CW makeup System / Submit OAR	SL	32	12/17/07 A	02/1/1/08 A	12/17/07	01/28/08	-8	100%		L802-015	L802-012	L802-150
	OAR CW Make-Up Water System	PE	10	02/12/08 A	03/03/08 A	01/30/08	02/13/08	-13	100%		L803-140	L802-015	L802-160
12.08	Receive / Incorporate OAR Comments	SL	10	03/04/08 A	03/17/08	02/13/08	02/18/08	-19	0%	32	L802-150	L802-140	079
12.09*	Issue Final Report CW Make-Up Water System	SL	0		03/17/08		02/20/08	-18	0%	32	L802-160	L803-160	
CW Blowdown System			105	08/13/07 A	02/13/08	08/13/07	01/13/08	-14		39			
12.18	Site Visit	SL	0	08/13/07 A			08/13/07		0	100%	L804-005		L804-200
	PE Decision on Pipe	PE	1	12/17/07 A	12/17/07 A	12/17/07	12/17/07	0	100%		L804-007		L804-015
12.19	Conceptual Design CW Blowdown System	SL	26	12/18/07 A	01/24/08 A	12/18/07	01/22/08	-1	100%		L804-015	L804-007	L804-150, L804-160
12.19*	Issue Report for OAR Blowdown System	SL	0		01/24/08 A		01/22/08	-1	100%		L804-160	L804-015	L804-160
	OAR Blowdown System	PE	10	01/25/08 A	02/08/08 A	01/23/08	02/05/08	-2	100%		L804-180	L804-160, L804-015	L804-170
12.19	Receive / Incorporate OAR Comments	SL	10	02/11/08 A	02/43/08	02/06/08	02/18/08	-9	0%	42	L804-170	L804-160	L804-180
12.19*	Issue Final Report Blowdown System	SL	0		02/11/08		02/20/08	-14	0%	36	L804-180	L804-170, L804-200	079

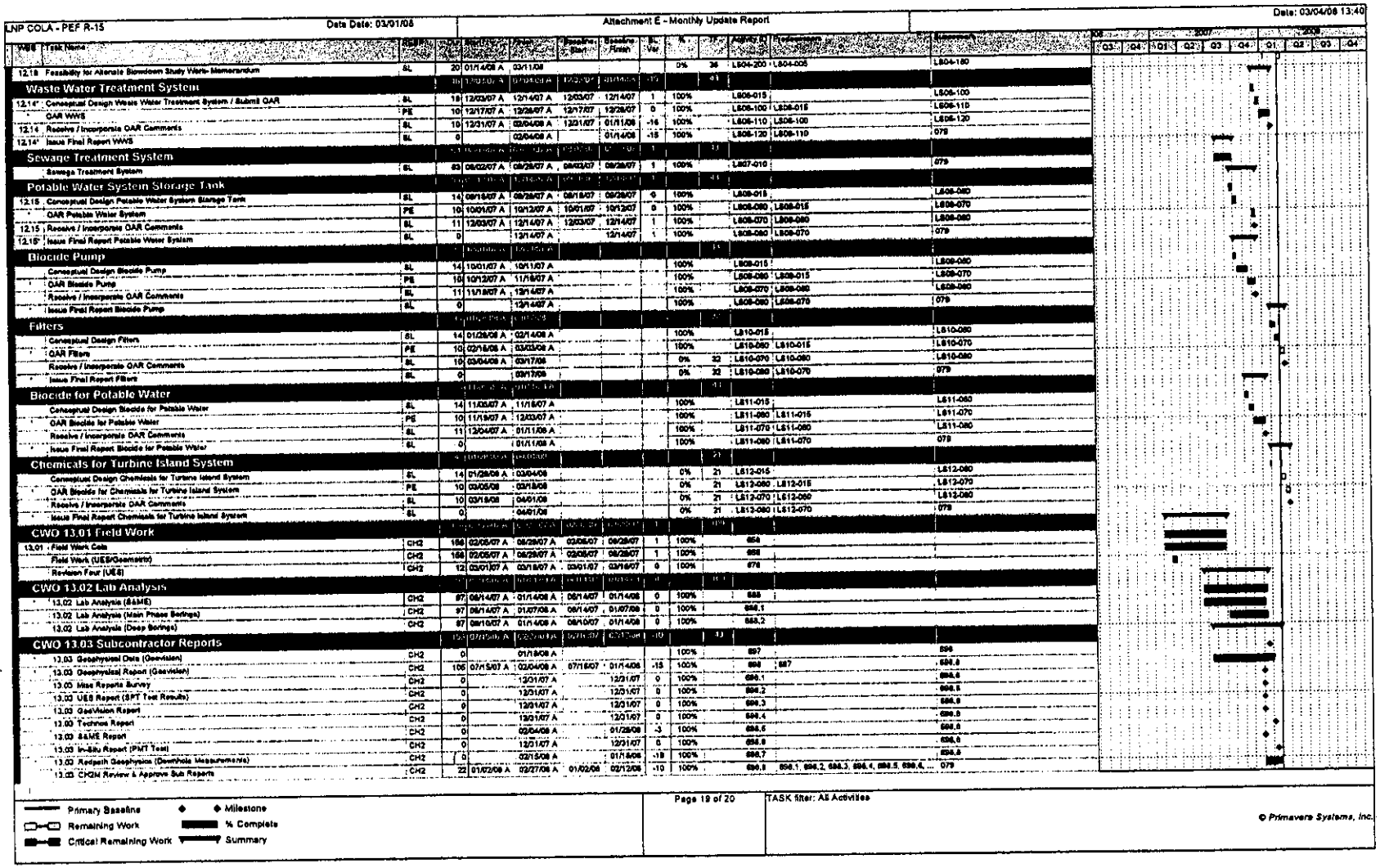


Primary Baseline | Milestone | Remaining Work | % Complete | Critical Remaining Work | Summary

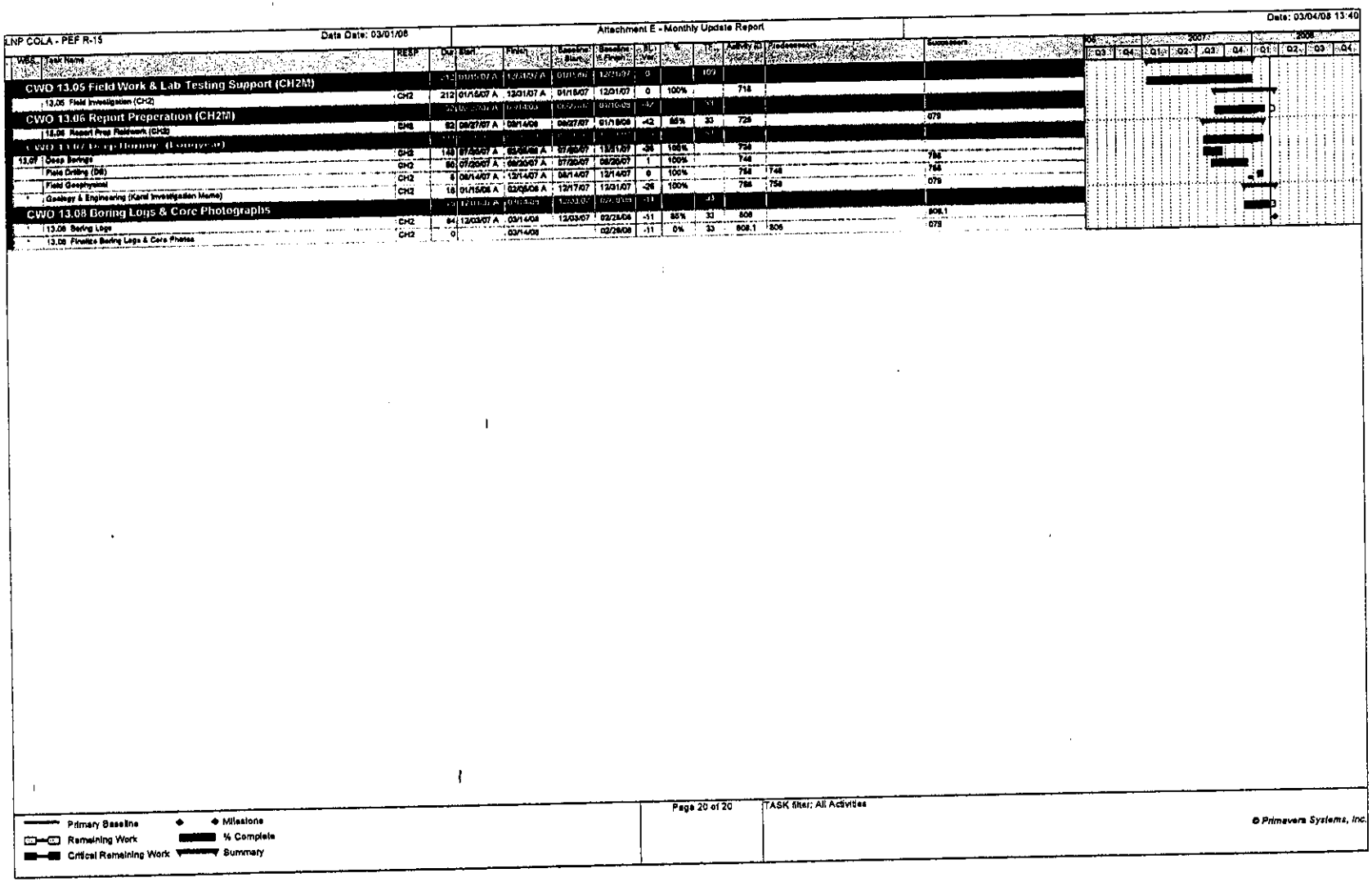
TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL



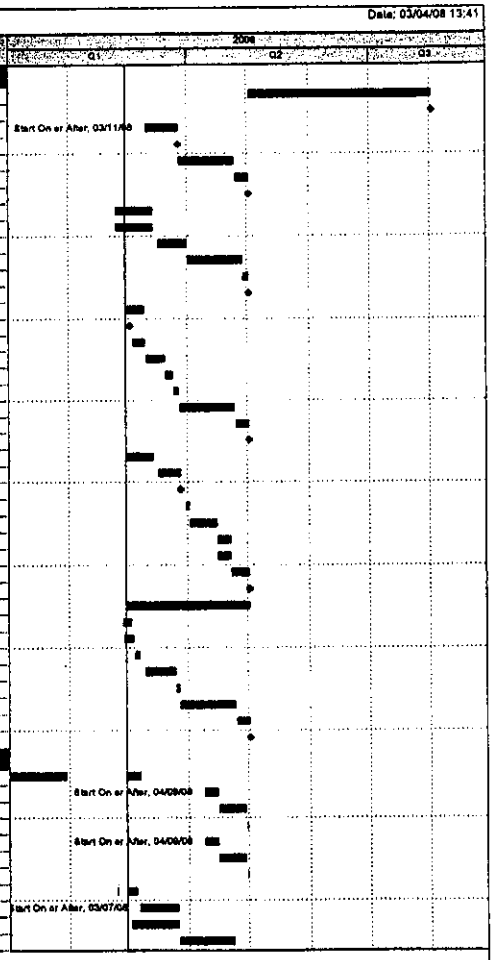
CONFIDENTIAL



CONFIDENTIAL

LNP COLA - PEF R-15 | Data Date: 03/01/08 | Attachment F - Critical Path Report | Date: 03/04/08 13:41

Activity ID	Task Name	RESP	% Complete	Dur	Start	Finish	BL Start	BL Finish	TF	Predecessors	Successors
Total Float: -1				516	04/14/06 A	08/01/08	02/14/05	04/18/08	-1		
079	Assemble Final COL Application	SL	0%	66	05/02/08	08/01/08	05/02/08	08/01/08	-1	190, 382, 570, 581, 854, 377, 412, 417, 4...	080
080	Submit Final COLA to NRC	PE	0%	0		08/01/08		08/01/08	-1	079	
090	CH2 / JV / Peer Group Independent Review (SEE CWBS)	CH2	0%	13	03/11/08*	03/27/08	02/29/08	03/27/08	-1	084, 088, 085	091
091	Submit OAR - Vibratory Ground Motion (Rev C)	CH2	0%	0		03/27/08		03/27/08	-1	090	092
092	OAR-Vibratory Ground Motion	PE-CIV	0%	20	03/28/08	04/24/08	03/28/08	04/24/08	-1	091	093
093	Resolve and Incorporate OAR Comments- Vibratory Ground Motion ...	CH2	0%	5	04/25/08	05/01/08	04/25/08	05/01/08	-1	092	094
094	Issue Finalize Vibratory Ground Motion Report (Rev D)	CH2	0%	0		05/01/08		05/01/08	-1	093	079
156	Senior Review	CH2	30%	14	02/25/08 A	03/14/08	02/11/08	02/21/08	-1	157	158
158	Incorp. Senior Review Comments	CH2	30%	14	02/25/08 A	03/14/08	02/22/08	03/20/08	-1	156	160
160	Tech Edit / Submit OAR FSAR Section 2.4 (Rev C)	CH2	0%	11	03/17/08	03/31/08	03/21/08	03/27/08	-1	152, 159	160.1
160.1	OAR FSAR 2.4	PE	0%	20	04/01/08	04/28/08	03/28/08	04/24/08	-1	160	160.2
160.2	Incorp OAR Comments	CH2	0%	3	04/29/08	05/01/08	04/25/08	05/01/08	-1	160.1	160.3
160.3	Issue Final FSAR 2.4 (Rev D)	CH2	0%	0		05/01/08		05/01/08	-1	160.2	079
173	Receive Data From Geomatrix (2.5.2)	CH2	75%	0	01/15/07 A	03/15/08	01/15/07	02/28/08	-1	173.5	174
173.4	TAG Telecom - Confirm Velocity Data (2.5.2)	CH2	0%	0	03/03/08*		02/08/08		-1	173.3	173.5
173.5	Prepare Text & Cost Package (2.5.2)	CH2	0%	6	03/04/08	03/13/08	02/11/08	02/29/08	-1	173.4	173
174	Senior Review (2.5.2)	CH2	0%	6	03/11/08	03/20/08	02/29/08	03/13/08	-1	173	175
175	Incorp. Senior Review Comments (2.5.2)	CH2	0%	2	03/21/08	03/24/08	03/14/08	03/20/08	-1	174	176
176	Tech Edit / Finalize Section (2.5.2) (Rev C)	CH2	0%	3	03/25/08	03/27/08	03/21/08	03/27/08	-1	175	180, 176.1
176.1	PE Review (2.5.2)	PE	0%	20	03/28/08	04/24/08	03/28/08	04/24/08	-1	176	176.2
176.2	Incorp. PE Review Comments (2.5.2)	CH2	0%	5	04/25/08	05/01/08	04/25/08	05/01/08	-1	176.1	176.3
176.3	Pagelum Submittal (2.5.2) (Rev D)	CH2	0%	0		05/01/08		05/01/08	-1	176.2	079
189	Preparation of Sections 2.5.4	CH2	85%	40	06/31/07 A	03/14/08	06/31/07	03/14/08	-1	722	190
190	Tech Edit / Finalize Section 2.5.4	CH2	0%	10	03/17/08	03/28/08	03/17/08	03/28/08	-1	189	191
191	CH2 Inputs to S&L	CH2	0%	0		03/28/08		03/28/08	-1	190	192
192	S&L Compiles FSAR 2.5.4	SL	0%	2	03/31/08	04/01/08	03/31/08	04/02/08	-1	191	193
193	PE / OAR Review FSAR 2.5.4	PE	0%	10	04/02/08	04/15/08	04/03/08	04/16/08	-1	172, 176, 188, 192	194, 194.5
194	Incorporate PE Comments - CH2M	CH2	0%	5	04/16/08	04/22/08	04/17/08	04/23/08	-1	193	195
194.5	Incorporate PE Comments - PCR	PCR	0%	5	04/16/08	04/22/08	04/17/08	04/23/08	-1	193	195
195	S&L Compile FSAR 2.5.4	SL	0%	7	04/23/08	05/01/08	04/24/08	05/01/08	-1	194, 194.5	196
196	S&L Submit FSAR 2.5.4 (Rev. D)	SL	0%	0		05/01/08		05/01/08	-1	195	079
199	CWO 84 ER, Site Redress Plan and EP excluding subcontractor scope	CH2	75%	449	08/14/06 A	05/01/08	08/14/06	05/01/08	-1		079
292.2	Update LNG-0000-NSC-002 (DEA)	WP	90%	5	02/28/08 A	03/03/08	02/20/08	02/28/08	-1	131	292.3
292.3	Update Design Items Awaiting	WP	90%	1	02/28/08 A	03/04/08	02/27/08	02/27/08	-1	292.2	293
293	Tech/Licensing Review	CH2	0%	3	03/05/08	03/07/08	02/29/08	03/07/08	-1	288, 289, 290, 291, 292, 292.3	294
294	Incorp. Senior Review Comments	CH2	0%	12	03/10/08	03/25/08	03/10/08	03/25/08	-1	293	295
295	Tech Edit / Submit OAR ER Chp 7 (Rev C)	CH2	0%	2	03/26/08	03/27/08	03/26/08	03/27/08	-1	294	296
296	Owner Review Process ER Chp 7	PE-E	0%	20	03/28/08	04/24/08	03/28/08	04/24/08	-1	295	296.1
296.1	Incorporate Comments	CH2	0%	5	04/25/08	05/01/08	04/25/08	05/01/08	-1	296	296.2
296.2	Submit ER Chp 7 Rev D	CH2	0%	0		05/01/08		05/01/08	-1	296.1	079
Total Float: 0				334	07/06/07 A	04/28/08	07/06/07	01/23/08	0		
043	Collect 4 Seasons of Groundwater Monitoring Data	CH2	90%	260	03/06/07 A	03/07/08	03/06/07	03/07/08	0	038	163
077	Admin and General Information	SL	0%	5	04/09/08*	04/15/08	12/17/07	01/25/08	0		077.1
077.1	Issue for OAR - Admin and General Information	SL	0%	10	04/16/08	04/29/08			0	077	077.2
077.2	Final - Admin and General Information	SL	0%	1	04/30/08	04/30/08			0	077.1	079
078	Report of Departures from Generic DCD (Develop as identified)	SL	0%	5	04/09/08*	04/15/08	12/17/07	01/11/08	0		078.1
078.1	Issue for OAR - Report of Departures from Generic DCD (Develop as...	SL	0%	10	04/16/08	04/29/08			0	078	078.2
078.2	Final - Report of Departures from Generic DCD (Develop as identified)	SL	0%	1	04/30/08	04/30/08			0	078.1	079
131	Revise Short-Term Diffusion Estimates (COL Item 2.3-4)	WP	0%	3	02/25/08 A	03/06/08	02/19/08	02/19/08	0	131.1	292.2
171	Incorp. Senior Review Comments (2.5.3)	CH2	0%	14	03/07/08*	03/26/08	03/11/08	03/14/08	0	170	172
172	Tech Edit / Finalize Section (2.5.3) (Rev C)	CH2	0%	10	03/09/08	03/26/08	03/17/08	03/21/08	0	171	180, 172.1
172.1	PE Review (2.5.3)	PE	0%	20	03/27/08	04/23/08	03/24/08	04/18/08	0	172	172.2



Remaining Work | % Complete
Critical Remaining Work
Milestone

TASK filter: TF<= 22 days.

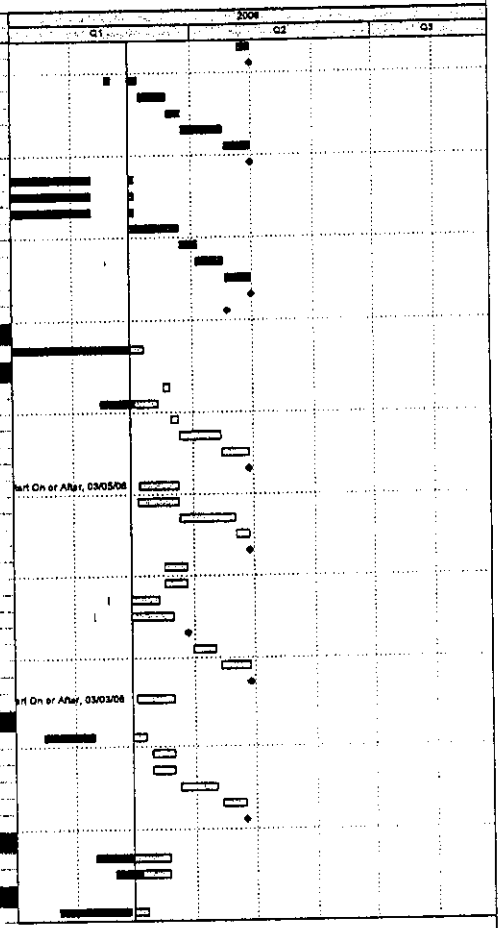
© Primavera Systems, Inc.

CONFIDENTIAL

Attachment F - Critical Path Report

LNP COLA - PEF R-15 | Data Date: 03/01/08 | Date: 03/04/08 13:41

Activity ID	Task Name	RESP	% Comp	Dur	Start	Finish	BL Start	BL Finish	TF	Predecessors	Successors
172.2	Incorp. PE Review Comments (2.5.3)	CH2	0%	5	04/24/08	04/30/08	04/21/08	04/25/08	0	172.1	172.3
172.3	Pagetum Submittal (2.5.3) (Rev D)	CH2	0%	0		04/30/08		04/25/08	0	172.2	079
224	Tech/Licensing Review	CH2	20%	5	02/18/08 A	03/05/08	01/18/08	02/07/08	0	212, 213, 216, 217, 220, 221, 223	225
225	Incorp. Senior Review Comments	CH2	0%	10	03/06/08	03/19/08	03/06/08	03/04/08	0	224	226
226	Tech Edit / Submit OAR ER Chp 2 (Rev C)	CH2	0%	5	03/20/08	03/26/08	03/06/08	03/11/08	0	225	227
227	Owner Review Process ER Chp 2	PE-E...	0%	15	03/27/08	04/16/08	03/13/08	04/08/08	0	226	227.1
227.1	Incorporate Comments	CH2	0%	10	04/17/08	04/30/08	04/09/08	04/15/08	0	227	227.2
227.2	Submit ER Chp 2 Rev D	CH2	0%	0		04/30/08		04/15/08	0	227.1	079
289	Severe Accident	CH2	85%	34	01/02/08 A	03/03/08	01/02/08	02/28/08	0		291
290	Severe Accident Mitigation Alternatives	CH2	85%	34	01/02/08 A	03/03/08	01/02/08	02/28/08	0		293
291	Provide Calculation Documenting DBA Input for ER CH.7 Consistent ...	CH2	85%	20	01/02/08 A	03/03/08	12/21/07	02/04/08	0		293
556	Revise FSAR Section 11.1	WP	10%	5	11/26/07 A	03/25/08	11/26/07	01/04/08	0	-306	547
557	Issue Chapter 11 to Client for OAR	WP	0%	7	03/26/08	04/03/08	03/03/08	03/26/08	0	556, 558, 559, 560, 561	566.5
566.5	OAR - Chapter 11	PE-RP	0%	10	04/03/08	04/16/08	03/27/08	04/08/08	0	567	568
568	Resolve and Incorporate OAR Comments - FSAR Chapter 11	WP	0%	10	04/17/08	04/30/08	04/10/08	04/23/08	0	566.5, 563	570
570	Issue Finalize FSAR Chapter 11	WP	0%	0		04/30/08		04/24/08	0	569	079
WEC120	Resolve Westinghouse SSI Assessment	WEC	0%	0		04/18/08*		04/18/08	0		
Total Float: 1											
218	Cultural Resources Report	CH2	60%	2	01/02/08 A	03/07/08	12/21/07	12/31/07	1	215	224
Total Float: 2											
268	WP Input Provide Text for ER 5.4	WP	0%	4	03/17/08	03/20/08	02/20/08	02/28/08	2	557, 566, 559, 560, 268.1	273
268.1	LNG-0000-HSC-001 (Blast Dose)	WP	60%	15	02/15/08 A	03/14/08	01/30/08	02/19/08	2	127, 217, 667.1, 580.1	268.2, 269
273	Tech Edit / Submit OAR ER Chp 5 (Rev C)	CH2	0%	2	03/21/08	03/24/08	03/19/08	03/24/08	2	272, 268, 269.2	274
274	Owner Review Process ER Chp 5	PE-E...	0%	15	03/25/08	04/14/08	03/25/08	04/21/08	2	273	274.1
274.1	Incorporate Comments	CH2	0%	10	04/15/08	04/28/08	04/22/08	04/28/08	2	274, 562, 563	274.2
274.2	Submit ER Chp 5 Rev D	CH2	0%	0		04/28/08		04/28/08	2	274.1	079
324	Incorp. Senior Review Comments	CH2	0%	14	03/06/08*	03/24/08	02/06/08	02/28/08	2	323	325
325	Tech Edit / Submit OAR ER Chp 10 (Rev C)	CH2	0%	15	03/04/08	03/24/08	03/03/08	03/07/08	2	324	326
326	Owner Review Process ER Chp 10	PE-E...	0%	20	03/25/08	04/21/08	03/10/08	04/04/08	2	325	326.1
326.1	Incorporate Comments	CH2	0%	5	04/22/08	04/28/08	04/07/08	04/11/08	2	326	326.2
326.2	Submit ER Chp 10 Rev D	CH2	0%	0		04/28/08		04/11/08	2	326.1	079
482	Revise Section 8.1 (Introduction) for site-specific information	SL	0%	10	03/17/08	03/28/08	02/01/08	02/27/08	2	481, 486, 490	483, 492
483	Revise Section 8.1 validation package for site-specific information	SL	0%	10	03/17/08	03/28/08	02/01/08	02/14/08	2	482	492
486	Grounding and lighting protection (COL Item 8.3-1)	SL	0%	20	02/18/08 A	03/14/08	12/17/07	12/28/07	2	487.5	490
490	FSAR 8.3 narrative	SL	0%	30	02/11/08 A	03/21/08	12/31/07	01/25/08	2	488	482, 492
492	Submit OAR FSAR Chapter 8	SL	0%	0		03/28/08		02/27/08	2	486, 482, 490, 488.5, 483	483
493	OAR - Chapter 8	PE-E...	0%	10	03/31/08	04/11/08	03/14/08	03/27/08	2	492	494
494	Resolve and Incorporate OAR Comments - Chapter 8	SL	0%	11	04/14/08	04/28/08	03/28/08	04/28/08	2	493	495
495	Issue Finalize Chapter 8	SL	0%	0		04/28/08		04/28/08	2	494	079
586	FSAR Section 11.5	WP	0%	15	03/03/08*	03/21/08	02/11/08	02/29/08	2	585, 584	587
Total Float: 3											
283	Tech/Licensing Review	CH2	50%	15	01/18/08 A	03/07/08	01/18/08	02/05/08	3	276, 277, 278, 279, 280, 281, 282	284
284	Incorp. Senior Review Comments	CH2	0%	10	03/10/08	03/21/08	02/06/08	02/28/08	3	283	285
285	Tech Edit / Submit OAR ER Chp 6 (Rev C)	CH2	0%	10	03/10/08	03/21/08	03/03/08	03/07/08	3	284	286
286	Owner Review Process ER Chp 6	PE-E...	0%	15	03/24/08	04/11/08	03/10/08	04/04/08	3	285	286.1
286.1	Incorporate Comments	CH2	0%	10	04/14/08	04/25/08	04/07/08	04/11/08	3	286	286.2
286.2	Submit ER Chp 6 Rev D	CH2	0%	0		04/25/08		04/11/08	3	286.1	079
Total Float: 4											
271	Tech/Licensing Review	CH2	80%	2	02/11/08 A	03/11/08	01/30/08	02/19/08	4	262, 264, 265, 266, 267, 270	272
272	Incorp. Senior Review Comments	CH2	50%	15	02/20/08 A	03/18/08	02/20/08	03/17/08	4	271, 268, 283	273
Total Float: 6											
256	Tech/Licensing Review	CH2	80%	10	01/23/08 A	03/07/08	01/18/08	02/05/08	6	250, 251, 252, 253, 254, 255	257



Remaining Work | % Complete | Critical Remaining Work | Milestone

TASK filter: TF<= 22 days.

© Primavera Systems, Inc.

CONFIDENTIAL

LNP COLA - PEF R-15 | Data Date: 03/01/08 | Attachment F - Critical Path Report | Date: 03/04/08 13:41

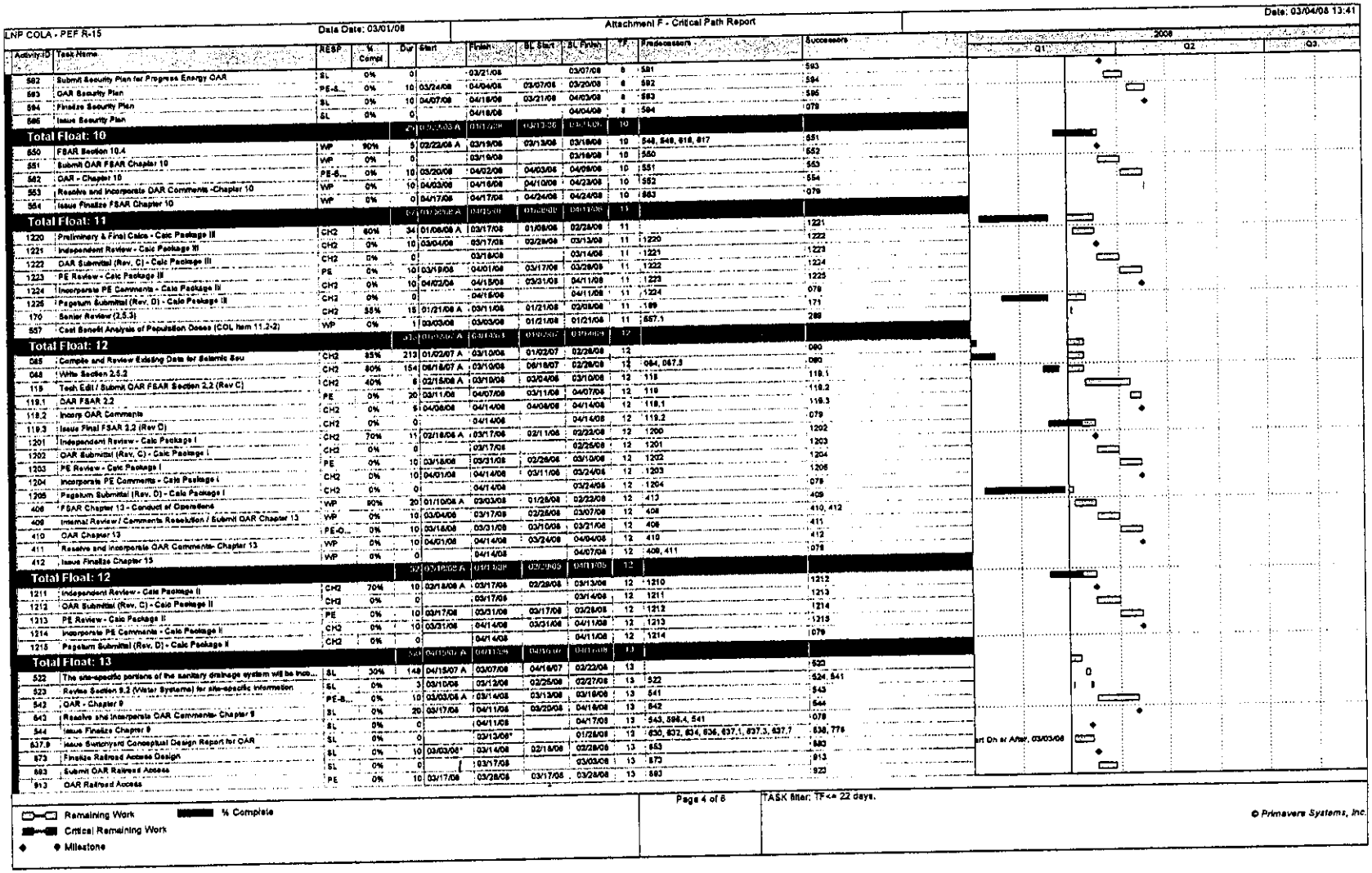
Activity ID	Task Name	R/S	% Comp	Dur	Start	Finish	BL Start	BL Finish	TF	Predecessors	Successors
257	Incorp. Senior Review Comments	CH2	0%	3	03/10/08	03/12/08	02/26/08	02/28/08	8	256	258
258	Team Edit / Submit OAR ER Chp 4 (Rev C)	CH2	0%	4	03/13/08	03/18/08	03/03/08	03/07/08	8	257	259
259	Owner Review Process ER Chp 4	PE-E...	0%	15	03/19/08	04/08/08	03/10/08	04/04/08	8	258	259.1
259.1	Incorporate Comments	CH2	0%	10	04/09/08	04/22/08	04/07/08	04/11/08	8	259	259.2
259.2	Submit ER Chp 4 Rev 0	CH2	0%	0		04/22/08		04/11/08	8	259.1	079
268.2	Update LNG-0000-NSC-001 (Blois Dose)	WP	0%	8	03/07/08	03/14/08	02/14/08	02/26/08	8	122, 388.1	273
329	Senior Review	CH2	40%	4	01/22/08 A	02/10/08	01/28/08	02/14/08	8	326	330
330	Incorp. Senior Review Comments	CH2	40%	8	02/26/08 A	03/11/08	02/15/08	03/11/08	8	329	331
331	Tech Edit / Submit OAR Site Redress Plan (Rev C)	CH2	0%	5	03/12/08	03/18/08	03/12/08	03/18/08	8	330	332
332	Owner Review Site Redress	PE-E...	0%	20	03/19/08	04/15/08	03/19/08	04/15/08	8	331	332.1
332.1	Incorporate Comments Site Redress Plan	CH2	0%	5	04/16/08	04/22/08	04/16/08	04/22/08	8	332	332.2
332.2	Submit Site Redress Rev 0	CH2	0%	0		04/22/08		04/22/08	8	332.1	079
425	Revise Section 1.1 Introduction) for site-specific information	SL	0%	22	02/25/08 A	03/25/08	02/11/08	02/12/08	8	008	446
426	Revise Section 1.1 validation package for site-specific information	SL	0%	22	02/25/08 A	03/25/08	02/11/08	02/12/08	8	008	446
427	Revise Section 1.2 (General Plant Description) for site-specific infor...	SL	0%	22	02/25/08 A	03/25/08	02/13/08	02/13/08	8	008	446
428	Revise Section 1.2 validation package for site-specific information	SL	0%	22	02/25/08 A	03/25/08	02/13/08	02/13/08	8	008	446
429	Revise Section 1.3 (Comparison with Other Facilities) for site-specifi...	SL	0%	22	02/25/08 A	03/25/08	02/14/08	02/14/08	8	008	446
430	Revise Section 1.3 validation package for site-specific information	SL	0%	22	02/25/08 A	03/25/08	02/14/08	02/14/08	8	008	446
431	Revise Section 1.4 (Identification of Agents and Contractors) for site-...	SL	0%	22	02/25/08 A	03/25/08	02/15/08	02/15/08	8	008	446
432	Revise Section 1.4 validation package for site-specific information	SL	0%	22	02/25/08 A	03/25/08	02/15/08	02/15/08	8	008	446
433	Revise Section 1.5 (Identification for Further Technical Information) f...	SL	0%	22	02/25/08 A	03/25/08	02/19/08	02/19/08	8	008	446
434	Revise Section 1.5 validation package for site-specific information	SL	0%	22	02/25/08 A	03/25/08	02/19/08	02/19/08	8	008	446
435	Revise Section 1.6 (Material Referenced) for site-specific information	SL	0%	22	02/25/08 A	03/25/08	02/19/08	02/19/08	8	008	446
436	Revise Section 1.6 validation package for site-specific information	SL	0%	22	02/25/08 A	03/25/08	02/19/08	02/19/08	8	008	446
437	Revise Section 1.7 (Drawings and Other Detailed Information) for sit...	SL	0%	22	02/25/08 A	03/25/08	02/20/08	02/22/08	8	008	446
438	Revise Section 1.7 validation package for site-specific information	SL	0%	22	02/25/08 A	03/25/08	02/20/08	02/22/08	8	008	446
439	Revise Section 1.8 (Interfaces with Standard Designs and Early Site ...	SL	0%	22	02/25/08 A	03/25/08	02/25/08	02/26/08	8	008	446
440	Revise Section 1.8 validation package for site-specific information	SL	0%	22	02/25/08 A	03/25/08	02/25/08	02/26/08	8	008	446
441	Bulletins and Generic Letters (WCAP - 13559) (Open Item in DCD)	SL	0%	22	02/25/08 A	03/25/08	02/11/08	02/07/08	8	008	446
442	Unresolved Safety Issues and Generic Safety Issues (Open Item in D...	SL	0%	22	02/25/08 A	03/25/08	02/11/08	02/28/08	8	008	446
443	Regulatory Guide Compliance	SL	0%	22	02/25/08 A	03/25/08	02/11/08	03/14/08	8	008	446
444	Revise Section 1.9 (Conformance with Regulatory Criteria) for site-sp...	SL	0%	22	02/25/08 A	03/25/08	02/27/08	03/25/08	8	008	446
445	Revise Section 1.9 validation package for site-specific information	SL	0%	22	02/25/08 A	03/25/08	02/27/08	03/25/08	8	008	446
446	Submit FSAR Chapter 1 for OAR	SL	0%	0		03/25/08		03/25/08	8	425, 426, 427, 428, 429, 430, 431, 432, 4...	447
447	OAR - Chapter 1	PE-LIC	0%	10	03/26/08	04/08/08	04/02/08	04/15/08	8	446	448
448	Resolve and Incorporate OAR Comments -Chapter 1	SL	0%	10	04/09/08	04/22/08	04/16/08	04/28/08	8	447	449
449	Issue Finalize Chapter 1	SL	0%	0		04/22/08		04/28/08	8	448	079
469	FSAR 6.2 Narrative including COLA 6.2-1 & 6.2-2	SL	0%	13	12/17/07 A	02/24/08	01/28/08	02/14/08	6	630, 632, 634, 636, 806, 778	482, 482
550	FSAR Section 11.2	WP	0%	10	03/03/08	03/14/08	01/28/08	02/04/08	6		567, 289
550	FSAR Section 11.3	WP	0%	10	03/03/08	03/14/08	02/06/08	02/19/08	6	580	567, 289
778	Prepare Switchyard FMEA	SL	0%	20	02/15/08 A	03/24/08	01/28/08	02/26/08	6	637.9	488, 778.5
Total Float: 7											
135	Incorp. Senior Review Comments	CH2	50%	13	02/25/08 A	03/12/08	03/11/08	03/17/08	7	134	136
136	Tech Edit / Submit OAR Meteorology Section 2.3 (Rev C)	CH2	50%	13	02/25/08 A	03/12/08	03/18/08	03/24/08	7	135	136.1
136.1	OAR FSAR 2.3	PE	0%	10	03/13/08	03/26/08	03/25/08	04/07/08	7	136	136.2
136.2	Incorp OAR Comments	CH2	0%	10	03/27/08	04/21/08	04/08/08	04/21/08	7	136.1	136.3
136.3	Issue Final FSAR 2.3 (Rev D)	CH2	0%	0		04/21/08		04/21/08	7	136.2	079
778.5	Submit FMEA for OAR	SL	0%	0		03/24/08			7	778	788
788	OAR Switchyard FMEA	PE	0%	10	03/25/08	04/07/08	02/28/08	03/10/08	7	778.5	788
788	Finalize Switchyard FMEA	SL	0%	10	04/08/08	04/21/08	03/11/08	03/24/08	7	788	079
Total Float: 8											
323	Tech/Licensing Review	CH2	50%	7	01/25/08 A	03/14/08	01/16/08	02/05/08	8	319, 320, 321, 322	324
581	Review of Security Plan	SL	0%	15	03/03/08 A	03/21/08	02/14/08	03/05/08	8	580	582

Remaining Work | % Complete | Critical Remaining Work | Milestone

TASK filter: TF<= 22 days.

© Primavera Systems, Inc.

CONFIDENTIAL



LNP COLA - PEF R-15 | Data Date: 03/01/08 | Attachment F - Critical Path Report | Date: 03/04/08 13:41

Activity ID	Task Name	RESP	% Compl	Dur	Start	Finish	BL Start	BL Finish	TF	Predecessors	Successors
582	Submit Security Plan for Progress Energy OAR	SL	0%	0		03/21/08		03/07/08	8	581	593
583	OAR Security Plan	PE-S...	0%	10	03/24/08	04/04/08	03/07/08	03/20/08	8	582	594
584	Finalize Security Plan	SL	0%	10	04/07/08	04/18/08	03/21/08	04/03/08	8	583	595
585	Issue Security Plan	SL	0%	0		04/18/08		04/04/08	8	584	079
Total Float: 10											
550	FSAR Section 10.4	WP	90%	5	03/22/08 A	03/19/08	03/13/08	03/18/08	10	548, 549, 616, 617	551
551	Submit OAR FSAR Chapter 10	WP	0%	0		03/19/08		03/18/08	10	550	552
552	OAR - Chapter 10	PE-S...	0%	10	03/20/08	04/02/08	04/03/08	04/09/08	10	551	553
553	Resolve and Incorporate OAR Comments -Chapter 10	WP	0%	10	04/03/08	04/16/08	04/10/08	04/23/08	10	552	554
554	Issue Finalize FSAR Chapter 10	WP	0%	0	04/17/08	04/17/08	04/24/08	04/24/08	10	553	079
Total Float: 11											
1220	Preliminary & Final Calcs - Calc Package III	CH2	60%	34	01/08/08 A	03/17/08	01/08/08	02/26/08	11		1221
1221	Independent Review - Calc Package III	CH2	0%	10	03/04/08	03/17/08	02/29/08	03/13/08	11	1220	1222
1222	OAR Submittal (Rev. C) - Calc Package III	CH2	0%	0		03/18/08		03/14/08	11	1221	1223
1223	PE Review - Calc Package III	PE	0%	10	03/18/08	04/01/08	03/17/08	03/28/08	11	1222	1224
1224	Incorporate PE Comments - Calc Package III	CH2	0%	10	04/02/08	04/15/08	03/31/08	04/11/08	11	1223	1225
1225	Pagelum Submittal (Rev. D) - Calc Package III	CH2	0%	0		04/15/08		04/11/08	11	1224	079
170	Senior Review (2.5.3)	CH2	55%	15	01/21/08 A	03/11/08	01/21/08	02/08/08	11	169	171
557	Cost Benefit Analysis of Population Doses (COL Item 11.2-2)	WP	0%	1	03/03/08	03/03/08	01/21/08	01/21/08	11	557.1	289
Total Float: 12											
085	Compile and Review Existing Data for Seismic Sou	CH2	85%	213	01/02/07 A	03/10/08	01/02/07	02/28/08	12		090
088	Write Section 2.5.2	CH2	80%	154	06/18/07 A	03/10/08	06/18/07	02/28/08	12	084, 087.3	089
118	Tech Edit / Submit OAR FSAR Section 2.2 (Rev C)	CH2	40%	6	02/15/08 A	03/19/08	03/04/08	03/10/08	12	119	118.1
119.1	OAR FSAR 2.2	PE	0%	20	03/11/08	04/07/08	03/11/08	04/07/08	12	118	118.2
118.2	Incorp OAR Comments	CH2	0%	5	04/08/08	04/14/08	04/08/08	04/14/08	12	118.1	118.3
118.3	Issue Final FSAR 2.2 (Rev C)	CH2	0%	0		04/14/08		04/14/08	12	119.2	079
1201	Independent Review - Calc Package I	CH2	70%	11	02/18/08 A	03/17/08	02/11/08	02/22/08	12	1200	1202
1202	OAR Submittal (Rev. C) - Calc Package I	CH2	0%	0		03/17/08		02/25/08	12	1201	1203
1203	PE Review - Calc Package I	PE	0%	10	03/18/08	03/31/08	02/26/08	03/10/08	12	1202	1204
1204	Incorporate PE Comments - Calc Package I	CH2	0%	10	04/01/08	04/14/08	03/11/08	03/24/08	12	1203	1205
1205	Pagelum Submittal (Rev. D) - Calc Package I	CH2	0%	0		04/14/08		03/24/08	12	1204	079
408	FSAR Chapter 13 - Conduct of Operations	WP	80%	20	01/10/08 A	03/03/08	01/28/08	02/22/08	12	413	409
409	Internal Review / Comments Resolution / Submit OAR Chapter 13	WP	0%	10	03/04/08	03/17/08	02/26/08	03/07/08	12	408	410, 412
410	OAR Chapter 13	PE-O...	0%	10	03/18/08	03/31/08	03/10/08	03/21/08	12	409	411
411	Resolve and Incorporate OAR Comments- Chapter 13	WP	0%	10	04/01/08	04/14/08	03/24/08	04/04/08	12	410	412
412	Issue Finalize Chapter 13	WP	0%	0		04/14/08		04/07/08	12	408, 411	078
Total Float: 12											
1211	Independent Review - Calc Package II	CH2	70%	10	02/18/08 A	03/17/08	02/26/08	03/13/08	12	1210	1212
1212	OAR Submittal (Rev. C) - Calc Package II	CH2	0%	0		03/17/08		03/14/08	12	1211	1213
1213	PE Review - Calc Package II	PE	0%	10	03/17/08	03/31/08	03/17/08	03/28/08	12	1212	1214
1214	Incorporate PE Comments - Calc Package II	CH2	0%	10	03/31/08	04/14/08	03/31/08	04/11/08	12	1213	1215
1215	Pagelum Submittal (Rev. D) - Calc Package II	CH2	0%	0		04/14/08		04/11/08	12	1214	079
Total Float: 13											
522	The site-specific portions of the sanitary drainage system will be inco...	SL	30%	148	04/15/07 A	03/07/08	04/16/07	03/22/08	13		523
523	Revise Section 9.3 (Water Systems) for site-specific information	SL	0%	3	03/10/08	03/12/08	03/25/08	03/27/08	13	522	524, 541
543	OAR - Chapter 9	PE-S...	0%	10	03/03/08 A	03/14/08	03/13/08	03/18/08	13	541	543
542	Resolve and Incorporate OAR Comments- Chapter 9	SL	0%	20	03/17/08	04/11/08	03/28/08	04/18/08	13	542	544
544	Issue Finalize Chapter 9	SL	0%	0		04/11/08		04/17/08	13	543, 598.4, 541	078
637.9	Issue Switchyard Conceptual Design Report for OAR	SL	0%	0		03/13/08*		01/28/08	13	630, 632, 634, 636, 637.1, 637.3, 637.7	638, 776
873	Finalize Railroad Access Design	SL	0%	10	03/03/08*	03/14/08	02/18/08	02/28/08	13	663	883
883	Submit OAR Railroad Access	SL	0%	0		03/17/08		03/03/08	13	873	913
913	OAR Railroad Access	PE	0%	10	03/17/08	03/28/08	03/17/08	03/28/08	13	883	923

2008 | Q1 | Q2 | Q3

Art Dn sr Affair, 03/03/08

Remaining Work | % Complete | Critical Remaining Work | Milestone

TASK filter: TF<= 22 days.

© Primavera Systems, Inc.

CONFIDENTIAL

LNP COLA - PEF R-1S | Data Date: 03/01/08 | Attachment F - Critical Path Report | Date: 03/04/08 13:41

Activity ID	Activity Name	RSRC	% Comp	Dur	Start	Finish	BL Start	BL Finish	TF	Predecessors	Successors
823	Finalize Rail Access	PE	0%	10	03/31/08	04/11/08	03/31/08	03/31/08	13	813	878
Total Float: 14											
838	OAR of Switchyard Conceptual Design	PE-ELE	0%	10	03/14/08	03/27/08	01/28/08	02/11/08	14	837.9	839
839	Resolve and Incorporate OAR Comments - Conceptual Design of Sw...	SL	0%	10	03/28/08	04/10/08	02/12/08	02/26/08	14	838	840
840	Issue Finalize Conceptual Design of Switchyard	SL	0%	0		04/10/08		02/26/08	14	839	879
Total Float: 15											
547	Circulating Water Supply (COL Item 10.4-1)	WP	90%	58	12/17/07 A	03/05/08	12/17/07	03/05/08	15	548	848
548	Condensate, Feedwater and Auxiliary Steam System Chemistry Cont...	NU	0%	5	03/06/08	03/12/08	03/06/08	03/12/08	15	547	550
Total Float: 16											
561	FSAR Section 11.4	WP	5%	5	11/26/07 A	03/03/08	11/26/07	01/04/08	16	908	567
908	PEF Issue Grid Stability Report - RFI 186	PE	0%	1	03/03/08	03/03/08	01/31/08	01/31/08	16		486
Total Float: 17											
451	Revise Section 3.1 (Conformance with NRC General Design Criteria)...	SL	20%	44	01/08/08 A	03/10/08	12/17/07	12/18/07	17	008	475
452	Revise Section 3.1 validation package for site-specific information	SL	20%	44	01/08/08 A	03/10/08	12/17/07	12/18/07	17	008	475
453	Revise Section 3.2 (General Plant Description) for site-specific infor...	SL	20%	44	01/08/08 A	03/10/08	12/19/07	12/19/07	17	008	475
454	Revise Section 3.2 validation package for site-specific information	SL	20%	44	01/08/08 A	03/10/08	12/18/07	12/18/07	17	008	475
455	Revise Section 3.3 (Wind and Tornado Loadings) for site-specific inf...	SL	20%	44	01/08/08 A	03/10/08	12/20/07	12/27/07	17	008	475
456	Revise Section 3.3 validation package for site-specific information	SL	20%	44	01/08/08 A	03/10/08	12/20/07	12/27/07	17	008	475
457	Conceptual Design Site-Specific Flooding Hazards Protective measu...	SL	20%	44	01/08/08 A	03/10/08	12/17/07	03/26/08	17	008	475
458	Revise Section 3.4 (Water Level (Flood) Design)) for site-specific inf...	SL	20%	44	01/08/08 A	03/10/08	12/26/07	01/10/08	17	008	475
459	Revise Section 3.4 validation package for site-specific information	SL	20%	44	01/08/08 A	03/10/08	12/26/07	01/10/08	17	008	475
460	External Missile Protection Requirements (COL Item 3.5-1)	SL	20%	44	01/08/08 A	03/10/08	12/17/07	12/21/07	17	008	475
461	Revise Section 3.5 (Missile Protection) for site-specific information	SL	20%	44	01/08/08 A	03/10/08	12/17/07	12/19/07	17	008	475
462	Revise Section 3.5 validation package for site-specific information	SL	20%	44	01/08/08 A	03/10/08	12/17/07	12/18/07	17	008	475
463	Revise Section 3.6 (Protection Against Dynamic Effects Associated ...	SL	20%	44	01/08/08 A	03/10/08	12/20/07	12/26/07	17	008	475
464	Revise Section 3.6 validation package for site-specific information	SL	20%	44	01/08/08 A	03/10/08	12/20/07	12/26/07	17	008	475
465	Revise Section 3.7 (Seismic Design) for site-specific information	SL	20%	44	01/08/08 A	03/10/08	12/27/07	01/23/08	17	008	475
466	Revise Section 3.7 validation package for site-specific information	SL	20%	44	01/08/08 A	03/10/08	12/27/07	01/23/08	17	008	475
467	Revise Section 3.8 (Design of Category I Structures) for site-specific ...	SL	20%	44	01/08/08 A	03/10/08	01/24/08	01/29/08	17	008	475
468	Revise Section 3.8 validation package for site-specific information	SL	20%	44	01/08/08 A	03/10/08	01/24/08	01/29/08	17	008	475
469	Revise Section 3.9 (Mechanical Systems and Components) for site-s...	SL	20%	44	01/08/08 A	03/10/08	01/30/08	02/26/08	17	008	475
470	Revise Section 3.9 validation package for site-specific information	SL	20%	44	01/08/08 A	03/10/08	01/30/08	02/26/08	17	008	475
471	Revise Section 3.10 (Seismic and Dynamic Qualification of Mechanic...	SL	20%	44	01/08/08 A	03/10/08	02/27/08	03/05/08	17	008	475
472	Revise Section 3.10 validation package for site-specific information	SL	20%	44	01/08/08 A	03/10/08	02/27/08	03/05/08	17	008	475
473	Revise Section 3.11 (Environmental Qualification of Mechanical and ...	SL	20%	44	01/08/08 A	03/10/08	03/06/08	03/10/08	17	008	475
474	Revise Section 3.11 validation package for site-specific information	SL	20%	44	01/08/08 A	03/10/08	03/06/08	03/10/08	17	008	475
475	Submit OAR FSAR Chapter 3	SL	0%	0		03/10/08		03/10/08	17	451, 452, 453, 454, 455, 456, 457, 458, 4...	478
476	OAR - Chapter 3	PE-N...	0%	10	03/11/08	03/24/08	03/31/08	04/01/08	17	478	477
477	Resolve and Incorporate OAR Comments -Chapter 3	SL	0%	10	03/25/08	04/07/08	04/02/08	04/15/08	17	476	479
478	Issue Finalize Chapter 3	SL	0%	0		04/07/08		04/15/08	17	477	879
534	Emergency Offsite Communications (COL Item 9.5-10)	SL	0%	10	02/11/08 A	03/03/08	01/14/08	01/25/08	17	535	537
537	Security Communications (COL Item 9.5-11)	SL	0%	0	03/04/08	03/04/08	01/28/08	01/28/08	17	536	538
538	Cathodic Protection (COL Item 9.5-12)	SL	0%	35	03/04/08	04/07/08	01/28/08	02/29/08	17	537	538, 879
837.7	Issue Switchyard Conceptual Design Drawings for OAR	SL	0%	0		03/07/08*		01/28/08	17	837.3	837.8
Total Float: 20											
316	Owner Review Process ER Chp 9	PE-E...	80%	10	02/22/08 A	03/18/08	02/18/08	03/17/08	20	315	316.1
316.1	Incorporate Comments	CH2	0%	10	03/20/08	04/02/08	03/18/08	03/24/08	20	316	316.2
316.2	Submit ER Chp 9 Rev 0	CH2	0%	0		04/02/08		03/24/08	20	316.1	879
466.5	Date for Grid Availability	SL	0%	22	03/04/08 A	03/04/08			20	466.2	482
Total Float: 21											
L812-015	Conceptual Design Chemicals for Turbine Island System	SL	0%	14	01/28/08 A	03/04/08			21		L812-060
L812-060	OAR Biocide for Chemicals for Turbine Island System	PE	0%	10	03/05/08	03/18/08			21	L812-015	L812-070

Remaining Work | % Complete | Critical Remaining Work | Milestone

TASK filter: TF<= 22 days.

© Primavera Systems, Inc.

CONFIDENTIAL

LNP COLA - PEF R-15 | Data Date: 03/01/08 | Attachment F - Critical Path Report | Date: 03/04/08 13:41

Activity ID	Task Name	RESP	% Compl	Dur	Start	Finish	BL Start	BL Finish	TF	Predecessors	Successors
L512-070	Receive / Incorporate OAR Comments	SL	0%	10	03/18/08	04/01/08			21	L512-060	L512-080
L512-080	Issue Final Report Chemicals for Turbine Island System	SL	0%	0		04/01/08			21	L512-070	079
Total Float: 22				75	12/03/07 A	03/31/08	12/31/07	04/28/08	22		
562	Revise Cost Benefit Analysis of Population Doses (COL Item 11.3-1) ...	WP	0%	3	03/11/08	03/13/08	03/03/08	03/05/08	22	562.1	563, 274.1
562.1	Update LNG-0000-NSC-004 (ORWS Doses)	WP	10%	10	01/11/08 A	03/10/08	02/18/08	02/28/08	22	102, 102.1, 132	562
563	Revise FSAR Section 11.3 to incorporate revised cost benefit analysi...	WP	0%	2	03/14/08	03/17/08	03/06/08	03/07/08	22	562	274.1, 569
573	LNG-0000-GLC-003 (LRWS Tank Failure)	WP	80%	35	12/17/07 A	03/03/08	12/17/07	02/01/08	22	165.1	573.1, 579
576	OAR - FSAR Chapter 15	PE-N...	0%	10	03/04/08*	03/17/08	03/31/08	04/11/08	22	579, 573	580
580	Resolve and Incorporate OAR Comments - FSAR Section 15	WP	0%	10	03/18/08	03/31/08	04/14/08	04/25/08	22	576	581
581	Issue Finalize FSAR Section 15	WP	0%	0		03/31/08		04/28/08	22	576, 580	079

2008 | Q1 | Q2 | Q3

Start On or After, 03/03/08

Remaining Work | % Complete
Critical Remaining Work
Milestone

TASK filter: TF<= 22 days.

© Primavera Systems, Inc.

[redacted] CONFIDENTIAL

LNP OPEN ITEM LIST

3/12/2008

Item #	CWO #	Report	WBS #	Status	Opened	Target Date	Request By	Description	Closure
ER									
LNP OI-1.1.1-001	4	ER	4.C1	Open		1/31/2008	Ray Bogardus	Chapter 1, Section 1.1.1: Requires additional information confirming that PEF has the necessary authority, control, and rights related to the construction and operation of the proposed LNP.	
LNP OI-1.1.7-001	4	ER	4.C1	Open	9/26/2007	1/31/2008	Ray Bogardus	Chapter 1, Section 1.1.7: Needs to fully address the requirements of NUREG-1555 that requires start and estimated completion dates for various construction phases of the proposed	
LNP OI-1.2-001	4	ER	4.C1	Open	9/26/2007	1/31/2008	Ray Bogardus	information needs to be supplied for these items per NUREG-1555, including the License #, expiration date, and the name of the issuing Authority. This information will be developed as the	
LNP OI-1.2-002	4	ER	4.C1	Open	9/26/2007	1/31/2008	Ray Bogardus	Chapter 1, Section 1.2: Requires that information be provided to document more specific information than what is currently contained in Table 1.2-1. More detailed information on permit submittal and receipt dates is required.	
LNP OI-1.2-003	4	ER	4.C1	Open	9/26/2007	1/31/2008	Ray Bogardus	*Chapter 1, Section 1.2: More detailed information is required by NUREG-1555 to define the* requirements of each permit application, specifically the License # and Expiration Date in Table 1.2-1, information needs for applications will be more precisely defined by January 31, 2008, although it is recognized that some information may not be available by the planned submittal dates for the ER and SCA.	
LNP OI-1.2-004	4	ER	4.C1	Open	9/26/2007	1/31/2008	Ray Bogardus	Chapter 1, Section 1.2: Requires that the primary impact concerns of the agencies to which individual permit applications are submitted be listed. Since these concerns can't be known in advance of the completed permit applications and discussions with the agencies, they will be prepared and retained in accordance with the requirements of each application. More definitive requirements will be developed and reported by January 31, 2008.	
LNP OI-3.4-001	4	ER	4.C3	Open	1/27/2008	2/14/2008	WSchofield	Please provide any input regarding the average discharge temperatures for each month of the year using cooling tower performance curves for the mechanical draft cooling towers that will be used at the Levy Site.	
LNP OI-3.4-002	4	ER	4.C3	Open	1/27/2008	2/14/2008	WSchofield	A copy of the following document, "Westinghouse Electric Corporation MODE Residence	
LNP OI-3.5-001	4	ER	4.C3	Open	1/27/2008	2/14/2008	WSchofield	Once one years worth of meteorological data is obtained from the Levy met tower please	
LNP OI-3.6-001	4	ER	4.C3	Open	1/27/2008	2/14/2008	WSchofield	If available, please provide the average, maximum, and seasonal variations of principle constituents of intake and receiving waters and any minor trace materials that may be of environmental relevance.	
LNP OI-3.7-001	4	ER	4.C3	Open	10/7/2007	2/14/2008	WSchofield	Sargent and Lundy has been asked to create section 3.7, "Power Transmission System" of the ER providing, text, tables, figures, references, and validation package for PEF's Levy County Greenfield site for review by CH2M HILL. Sections shall address all the requirements of NUREG-1555, *RFI-267 was submitted.*	
LNP OI-3.8-001	4	ER	4.C3	Open	1/23/2008	2/11/2008	WSchofield	In order to perform a Transportation Risk Assessment (RADTRAN) for the PEF and [redacted] regarding spent fuel shipments from their primary and alternative sites, certain information regarding the characteristics of the spent fuel must be obtained from [redacted] and PEF. RFI-319 was submitted to Mr. Paul Snead requesting the information.	REDACTED
LNP OI-9.2-001	4	ER	4.C9	Open	2/18/2008	3/3/2008	M. Nechvatal	Need to determine what the PEF power generating facility retirement projections are during the *period from the date of application through the 6th year of commercial operation* of the proposed project. Is excess generating capacity available for extended periods of time from other sources during the period from the date of application through the 6th year of commercial operation of the proposed project? Are there any plants scheduled for retirement during the period extending from the date of application through the 6th year of commercial operation of the proposed project?	
FSAR									
LNP OI-12.4-001	5	FSAR	5.12	Open	12/20/2007	3/3/2008	M. Launi	Dose to construction workers. This will be available when ER Chapter 4 is issued. ER Chapter 4 is scheduled to be issued for OAR on 3-3-08.	
LNP OI-3.7-001	7	FSAR	7.2	Open	3/5/2008	3/31/2008	M. Launi	Figures for horizontal and vertical FIRS for Unit 1 and Unit 2 nuclear island and annex building will be incorporated into the FSAR when they become available.	
LNP OI-3.3-001	7	FSAR	7.2	Open	3/5/2008	3/31/2008	M. Launi	After FSAR Chapter 2 has been issued for OAR, confirm the FSAR Chapter 2 references in FSAR Chapter 3.	
LNP OI-3.7-002	7	FSAR	7.2	Open	3/5/2008	3/31/2008	M. Launi	Obtain the remaining input and references for the validation package for statements in FSAR Subsection 3.7.1.1.1.	
LNP OI-3.7-003	7	FSAR	7.2	Open	3/5/2008	3/31/2008	M. Launi	Obtain the remaining input and references for the validation package for statements in FSAR Subsection 3.7.1.1.2.	

CONFIDENTIAL

PROJECT MONTHLY STATUS REPORT

COL APPLICATION FOR LNP 1&2
WA # 255934-02

PROGRESS ENERGY FLORIDA

Report for November 2007

Dated: December 11, 2007

SARGENT & LUNDY – CH2M HILL – WORLEYPARSONS JOINT VENTURE

Contract Number:	255934	Customer Organization:	
Contract WA#:	255934-02	Project Manager:	Garry Miller
Latest Amendment of Task WA Authorized:	2	Technical Lead / Designated Representative:	Debbie Doyle
		Contractor Project Manager:	A. K. Singh
		Contractor Technical Leads:	Jim Steele Mike Launi John Archer

Issues Requiring Management Attention

In the October 2007 project monthly status report it was noted that the JVT project team has not been able to resolve assignment of additional resources to expedite the schedule to meet the July 2008 COLA submittal schedule for FSAR Chapters 2 and 11, and ER Chapter 5. This issue now has been resolved. The project schedule R12 supports the July 2008 COLA submittal date.

The project management team is adequately resolving other emergent project issues. No new issue required escalation during November 2007.

Quality Issues

Project quality issues are discussed during the weekly client telecon every Thursday. These issues are listed in the weekly telecon summary. The JV and Progress Energy project team is apprised of these issues on an on going basis. Quality issues applicable to both [redacted] and PEF COLA are discussed in the [redacted] Project Monthly Status report for November 2007. The PEF specific quality issues during November 2007 were:

- Site Geophysical measurements by GeoVision and Technos are on hold pending issuance of NQA-1 compliant field workplan as verified by the independent assessment team.
- LNP field workplan R5 training matrix was deficient. The workplan R5 was reviewed by CH2M as well as the Independent Assessment Team. LNP field workplan R6 corrected the deficiency (CH2M and Independent Assessment Team).
- Evaluation of impact of NRC QA Audit findings on past fieldwork at LNP will be conducted (CH2M)
- Independent JVT assessment of CH2M S/R fieldwork similar to that being conducted for [redacted] COLA (Independent Assessment Team) will be conducted.

Health and Safety Issues

Health and safety issues are discussed during the weekly client telecon every Thursday. These issues are listed in the weekly telecon summary. CH2M Hill site crew is apprised of these issues on an on going basis. There was no Health and Safety issue reported during November.

Teamwork and Accountability Issues

Teamwork and accountability issues are discussed during the weekly client telecon every Thursday. These issues are listed in the weekly telecon summary with the responsible party's name. The issues are resolved on an on going basis. There were no teamwork and accountability issues reported during November 2007.

Project Budget and Invoicing Information

The invoicing as well as the payments for the invoices continues to be satisfactory. The summary of the project budget and invoicing are as follows:

- Current WA approved budget: Redacted
- Impact Evaluation approved budget: Redacted
- Total approved budget: Redacted

- Amount invoiced: Redacted
- Remaining approved budget: Redacted
- Amount received: Redacted
- Amount receivable:

The above information for Tasks #1 through #14 is tabulated in Attachment A.

Scope Revisions

Project scope change issues are discussed during the weekly client telecon. These issues are listed in the weekly telecon summary. Based on these discussions, impact evaluation for the scope change is prepared. Once the impact evaluation is approved, the affected task scoping documents, project WBS budget, and the project schedule are revised.

Attachment B provides the increase (or decrease) in budgets by impact evaluation and task numbers. Since issuance of WA Amendment 2, Impact Evaluations #34, #35, #40, #43, #45, #50, #51, #52, and #55 through #59, #61, #62, #64, #66, #67, #68 #71 #84 through #87, #90, and #100 have been approved with a total budget of Redacted Impact Evaluations #63, #88, and #101 are pending approval with a total budget of Redacted

In addition to the scope changes listed in Attachment B, the following potential scope changes have been discussed:

- *Expediting the COLA submittal to July 2008*
- Soil Resistivity Measurements for Grounding conceptual design
- FIRS consistent Time History for Westinghouse SSI analysis
- Formal S/R calculations for 100 year return maximum 2 hour sustained dry bulb and coincident wet bulb temperature and 100 year 2-hour sustained wet bulb temperature
- Additional Barge Canal water quality data

Budget and Schedule Performance

Detailed information on project budget and schedule performance the overall project and for tasks #1 through #13 is tabulated in Attachment C. Figures P-00 through P-13 provide the project performance graphs for the overall project and for tasks #1 through #13 respectively. Figures C-00 through C-13 provide the baseline and projected cash flow graphs for the overall project and for tasks #1 through #13 respectively. The project budget and schedule performance is as follows:

The project is 59% complete including phase I scope. For individual tasks the percent complete varies from 0% for tasks #1 and #6 to 87% for task #13 (COLA Fieldwork). The percent complete for tasks #1 through #13 is tabulated in Attachment C.

The actual cost of work performed (AWCP) is lower than the budgeted cost of work performed (BCWP) with a cost performance index (CPI) of 1.09 (>1.00 indicates under budget). The CPI for individual tasks varies from 1.30 for task #4 (ER, Site Redress Plan, and EP) to 0.97 for task #3 (FSAR Chapter 2 – Site Characteristics).

The scheduled percent complete for the overall project is 65%. For individual tasks, the scheduled percent complete varies from 0% for task #1, #5, and #6 to 100% for task #13 (COLA Fieldwork). The scheduled percent complete for tasks #1 through #13 is tabulated in Attachment C.

The budgeted cost of work scheduled (BCWS) is greater than the budgeted cost of work performed (BCWP) with a schedule performance index (SPI) of 0.91 (<1.00 denotes behind schedule). The SPI for individual tasks varies from 1.00 for to 0.73 as tabulated in Attachment C. The Milestone Summary report (Attachment D) shows the delays in deliverable completions compared to the baseline schedule. These delays are discussed under "Project Schedule".

Request for Information (RFI) List

Design inputs required for COLA preparation from Progress Energy and Westinghouse is tracked by the combined and PEF project RFI list that is issued weekly as part of the COLA documents to facilitate the weekly client telecon. The outstanding requests are discussed with Progress Energy and Westinghouse during the telecon. New items are added and completed items are purged from the list weekly. Late RFIs are listed under 'Teamwork and Accountability Issues'.

Project Schedule

The P3v5 PEF project schedule R12 (Attachment E) is attached. The percent complete for the tasks as of November 30, 2007 are shown. Also shown is the schedule variation from the Baseline and from the project schedule R11. Attachment D presents the milestones for the project deliverables. Attachment F presents near term project tasks that have a float of less than 20 days.

The project schedule R12 supports the July 31, 2008 COLA submittal. The -3 day float will be corrected as part of the weekly project schedule telecon to discuss project status. The expected COLA submittal date in project schedule R11 was October 24, 2008. The target COLA submittal date for the baseline schedule was August 22, 2008. The improvement in the COLA submittal schedule is the result of significant re-planning and implementation of an alternate approach to complete FSAR 2.5. In the alternate approach, the scope of work for FSAR 2.5.4 and the associated foundation conceptual design has been divided among CH2M, Paul Rizzo Associate (PCR), and S&L. This division of responsibility (DOR) for FSAR 2.5.4 was agreed at the November 30, 2007 project meeting attended by Progress Energy, CH2M, PCR, and S&L. PCR will be a subcontractor to S&L for this scope of work. The DOR for FSAR 2.5 is shown in attachment G.

Risk Matrix

Progress Energy is maintaining a Risk Matrix for PEF COLA. The JV provides inputs to this Risk Matrix. The risks associated with the LNP site are (new risk is in Blue, deleted risks are in red, new text is in Blue):

- Suitability of the founding substrata for the AP1000 structures
  - The soil/rock substrata properties not being bounded by the DCD values. Conceptual foundation design has been developed for the LNP site that mitigates the risk.
  - The COLA fieldwork suggests variable site conditions especially "softer rock" and lower shear wave velocity beyond 175' - 200' at two reactor locations. Deep borings and shear wave velocity measurements have been initiated. If

these deeper borings necessitate additional investigations, the COLA submittal may be delayed. LNP Deep hole geophysical measurements show that the deep strata shear wave velocity is consistent with those measured for the shallower strata.

  - Karst investigation is in progress. If the karst investigation shows unfavorable conditions at the existing plant layout, the COLA submittal may be delayed.

- Safe distance from the site Boundary (EAB distance)
  - Initial analysis of the first six months of meteorological data from the Levy site has significantly more calms than similar data from Tampa Airport and Crystal River Meteorological Tower. This would result in EAB distance that will be beyond the Progress Energy owned property requiring additional provisions in the Emergency Plan and possible contentions. Alternative methodology has been developed that would resolve this issue.
- Engineering feasibility and environmental impacts of makeup water and blowdown discharge options
  - 316 thermal and biological issues with the Barge Canal intake and Gulf discharge. Initial meeting with FDEP did not identify any show stoppers. Aquatic sampling in the Barge Canal is in progress.
- The Maximum two hour dry bulb temperature and the coincident dry bulb temperature for the site were computed based on the maximums observed for 30 years of recorded data. In the Vogtle ESP SER, the NRC has stated that these temperatures should be based on a 100 year return period. The coincident wet bulb temperature calculated for 100 year return period maximum wet bulb temperature is greater than 80.1 DCD value. Draft Westinghouse white paper concludes that higher coincident wet bulb temperature is acceptable for the safety analysis. Licensing risks are not addressed that will require regulatory exemption and DCD departure.
- Schedule delays associate with completing FSAR 2.5 and associated engineering data files, calculations, and foundation conceptual design. New schedule has been developed for FSAR 2.5 and associated engineering data files, calculations, and conceptual design that supports the July 2008 COLA submittal.
- Schedule delays for FSAR Chapter 11 and ER Chapter 5 and associated Field data, design inputs, and Calculations. New schedule for FSAR Chapter 11 and ER Chapter 5 has been developed that supports the July 2008 COLA submittal.

Documents Submitted to Client This Month

- SLPEF-2007-094: Conceptual Design Specification No. LNG-PWS-GER-002, Conceptual Design Specification for the Potable Water Biocide System - for OAR; WBS Code 12.17
- SLPEF-2007-095: LNP Emergency Plan Revision C - for OAR
- SLPEF-2007-096: Workplan 338884-WKPL-005, Rev 0 for Non-Safety Related Field Activities
- SLPEF-2007-097: PEF Monthly Status Report for October 2007
- SLPEF-2007-098: COLA SITE Investigation Workplan 338884-WPL-001, Rev. 5 - for Acceptance

- SLPEF-2007-099: Impact Evaluation #84 "Met Tower Subcontractor" - for Approval
- SLPEF-2007-100: Impact Evaluation #85 "Met Data Analysis" - for Approval
- SLPEF-2007-101: Impact Evaluation #87 "Independent Review of Downhole Measurements" - for Approval
- SLPEF-2007-102: Impact Evaluation #88 "Marion County EP Figures" for Approval
- SLPEF-2007-103: SCA Impact Evaluation #89 "Baseline Ecological Survey" - for Approval
- SLPEF-2007-104: Impact Evaluation #90 "100 Year Return Temperatures" - for Approval
- SLPEF-2007-105: Impact Evaluation #86 "Foundation Conceptual Design: Interim Tasks" - for Approval
- SLPEF-2007-106: PEF Monthly Status Report for October 2007, Rev.1
- SLPEF-2007-107: LNP Conceptual Grading and Drainage - Overall Plan Drawing No. LNG-0000-XG-001, Rev. A for OAR, LNP Grading Design Considerations, LNP M-Show Comment Summary, for OAR; WBS Code 12.13
- SLPEF-2007-108: Calculation No. LNG-0000-X7C-001, Rev. B, PEF Slug Test Calculation - for Acceptance (including Comment Resolution Form EGR-003); WBS Code 3.4.4
- SLPEF-2007-109: Calculation No. LNG-0000-X7C-003, Rev. B, PEF Aquifer Test- for Acceptance (including Comment Resolution Form EGR-003); WBS Code 3.4.4
- SLPEF-2007-110: Site Investigation Work Plan for Levy County Site (338884-WKPL-001, R6) for Acceptance
- SLPEF-2007-110: Impact Evaluation #100 "Land use Census" for Approval
- SLPEF-2007-111: Impact Evaluation #101 "Cultural Resource Survey" for Approval

Other Work Accomplished This Month

Task # 1 – Prepare/Submit COLA, DCD Departure Report, and General and Administrative Requirements

No activity to report

Task # 2, 3, & 13 – FSAR Chapter 2

- NQA-1 compliant field workplan (revision 6) was issued.
- GeoVision and Technos were re-mobilized. The remaining field geophysical measurements by Technos have been completed. GeoVision scope is scheduled for completion on 12/08/07.
- PCR provided inputs required for WEC SSI and PCR FSAR 2.5.4 scope (12/03/07)
- Soil resistivity measurements are required for LNP site – recommendations were provided to Progress Energy

Task # 4 – ER, Site Redress Plan, and EP

- EP was submitted for OAR on schedule on 11/16/07. OAR comments have been received. Comments are being incorporated prior to the Page Turn.

Task # 5 – FSAR Chapters 4, 5, 6, 7 and 12

No activity to report

Task # 6 – FSAR Chapters 13, 14 and 16

No activity to report

Task # 7 – FSAR Chapters 1, 3, 8, 17, 18 and 19

No activity to report

Task # 8 – FSAR Chapters 9, 10, 11, and 15

No activity to report

Task # 9 – Programs Separate from FSAR

No activity to report

Task # 10 – Conceptual Designs Separate from FSAR

- Telecon was held with Progress Energy to review the one-lines for the Switchyard design. Comments were received.

Task # 11 – Project Management

- Work on a new approach and division of responsibility for FSAR Section 2.5 was developed. The new schedule supports he July 31, 2007 COLA submittal date.
- Weekly LNP project schedule telecons were initiated to monitor schedule compliance. Telecons were held on 11/21/07 and 11/28/07.
- Paul Rizzo & Associate (PCR) Proposal for foundation conceptual design was discussed with Progress Energy, CH2M, PCR, and S&L. Progress Energy gave verbal approval to initiate PCR scope. Impact Evaluation #86 for interim scope authorization was submitted.
- Meeting in Chicago was held on 11/30/07 to discuss the Deliverables, DOR, and schedule for FSAR 2.5.4 to achieve the July 2007 COLA submittal date. The meeting was attended by Progress Energy, PCR, S&L, and CH2M Hill. Westinghouse interface was discussed via telecon at the same meeting
- Contract was issued to PCR for interim tasks. Revised proposal and detailed project schedule is being developed by PCR implementing agreements at the November 30, 2007 meeting on FSAR 2.5.4.
- October 2007 monthly project status report was submitted
- Project schedule R11 was submitted with the October 2007 monthly project status report
- Prepared weekly project status summary to facilitate the weekly client telecon
- Participated in weekly JV team meeting

- Participated in the weekly client telecon on project status

Task # 12 – Site Unique Scope not in RFP

- Third Site Grading and Drainage layout M-Show was held on 11/19/07. All comments have now been resolved.
- The Site Grading and Drainage layout was issued for OAR (SLPEF-2007-107).
- Conceptual grading and drainage drawings preparation has been initiated.
- Telecon was held to review options for Make-up and Blowdown system configuration (Mechanical). Comments from the telecon have been incorporated. The Make-up and Blowdown system conceptual design has been initiated.
- Conceptual design of the Sanitary Waste system was submitted for acceptance after incorporating OAR comments.

CONFIDENTIAL

ATTACHMENT B

SUMMARY OF APPROVED AND PENDING SCOPE REVISIONS BY IMPACT EVALUATION NUMBER

Month Ending November 2007

Impact Eval. No.	Description	Task #	Date	Amount	Status
13	Photogrammetric Survey	12	10/2/2006		WA Approved
13	Photogrammetric Survey - Project Management	11	10/2/2006		WA Approved
	Total				
14	Heat Rejection system Optimization Study	12	10/2/2006		WA Approved
14	Heat Rejection system Optimization Study -PM	11	10/2/2006		WA Approved
	Total				
25	Phase I Subcontractor Scope	2	12/1/2006		WA Approved
25	Phase I In-house Scope	3	12/1/2006		WA Approved
25	Phase I Environmental Evaluations	4	12/1/2006		WA Approved
25	Wet and Dry Bulb Temperature Issue	8	12/1/2006		WA Approved
25	Phase I Tasks - PM and Ad Hoc Support	11	12/1/2006		WA Approved
25	Makeup Water and Blowdown Discharge	12	12/1/2006		WA Approved
	Total				
27	Validation Package and Cost Escalation	1	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	2	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	3	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	4	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	5	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	6	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	7	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	8	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	9	2/2/2007		WA Approved
27	Validation Package and Cost Escalation	10	2/2/2007		WA Approved
27	PM for Validation Package and Cost Escalation	11	2/2/2007		WA Approved
	Total				
28	Transfer in from Task #8	1	12/15/06		WA Approved
28	Transfer out to Task #4	3	12/15/06		WA Approved
28	Transfer in from Task #3	4	12/15/06		WA Approved
28	Transfer out to tasks #1 & #11	8	12/15/06		WA Approved
28	Transfer in from Tasks #8	11	12/15/06		WA Approved
	Total				
29	Met Tower Subcontractor	2	12/14/2006		WA Approved
29	Met tower - CH2 m In-house	3	12/14/2006		WA Approved
29	Met Tower - PM	11	12/14/2006		WA Approved
	Total				
30	Delete ETE from scope for EP	4	12/15/2006	Redacted	WA Approved
	Total				
33	Credit for Fieldwork scope in JV Proposal - Subcontract	2	01/23/07		WA Approved
33	Credit for Fieldwork/Lab Analysis scope in JV Proposal - CH2M In-house	3	01/23/07		WA Approved
33	Fieldwork/Lab Analysis scope - Subcontractor and CH2M In-house	13	01/23/07		WA Approved
33	Additional PM scope - Fieldwork/Lab Analysis	11	01/23/07		WA Approved
	Total				
34	P3v5 Conversion	11	2/19/2007		IE Approved
	Total				
35	Site Access Improvement	13	2/20/2007		IE Approved
	Total				
40	Fieldwork Phase I	2	2/28/2007		IE Approved
40	Fieldwork/Lab Analysis	3	2/28/2007		IE Approved
40	Environmental scope for PPSA and Greenway	4	2/28/2007		IE Approved
40	Additional PM - Fieldwork & ER	11	2/28/2007		IE Approved
	Total				
43	Wetland drilling and tree removal	13	5/1/2007		IE Approved
43	Additional PM scope - Drilling	11	5/1/2007		IE Approved
	Total				
45	Site Grading and Drainage	12	5/14/2007		IE Approved
45	Additional PM scope - Grading & Drainage	11	5/14/2007		IE Approved
	Total				
50	Aquatic Ecological Sampling	4	7/2/2007		IE Approved
50	Additional PM scope	11	7/2/2007		IE Approved
	Total				
51	Geomatrix - Karst	2	6/22/2007		IE Approved
51	Deep Holes Investigations	13	6/22/2007		IE Approved
51	Additional PM scope	11	6/22/2007		IE Approved
	Total				
52	Supplementary Borings	13	5/22/2007		IE Approved
52	Additional PM scope	11	5/22/2007		IE Approved
	Total				
55	WWS Treatment	12	7/5/2007		IE Approved
55	Additional PM scope	11	7/5/2007		IE Approved
	Total				
56	WWS Biocide	12	7/5/2007		IE Approved

CONFIDENTIAL

ATTACHMENT A

SUMMARY OF PROJECT BUDGET, AMOUNT INVOICED, AMOUNT RECEIVED, AND ACCOUNTS RECEIVABLE

MONTH ENDING *November 2007*

Task #	Task Description	Approved Budget				Amount Invoiced + Ready for Invoicing			Amount Received			
		WA Approved Budget	1E Approved Budget	Total Approved Budget	Ready for Invoicing	Invoiced	Ready + Invoiced	Remaining Approved Budget	Through Last Month	This Month	Total	Accounts Receivable
1	Prepare/Submit COLA, DCD Departure Report, and General and Administrative Requirements	[redacted]										
2	Site Investigation and Seismic and Geotechnical Analysis - Subcontractor Scope											
3	FSAR Chapter 2 - Site Characteristics											
4	ER, Site Redress Plan, and EP											
5	FSAR Technology Chapters 4, 5, 6, 7 and 12											
6	FSAR Chapters 13, 14 and 16											
7	FSAR Chapters 1, 3, 8, 17, 18 and 19											
8	FSAR Chapters 9,10,11 and 15											
9	Programs, Procedures and Plan Separate from FSAR											
10	Conceptual Design separate from FSAR											
11	Project Management Activities											
12	Site Unique Scope not in RFP											
13	COLA Fieldwork											
14	Foundation Conceptual Design											
	Total											

Redacted

[1] CONFIDENTIAL

ATTACHMENT C

Monthly Performance Summary

Month Ending November 2007

Task #	Description	Client Budget MH	Client Budget $	% Complete	% Scheduled	BCWS MH	BCWS $	BCWP MH	BCWP $	ACWP MH	ACWP $	SV MH	SV $	CV MH	CV $	SPI MH	SPI $	CPI MH	CPI $
1	Prepare/Submit COLA, DCD Departure Report, and General and Administrative Requirements																		
	Target Price																		
	Direct Expenses including Travel																		
2	Site Investigation and Seismic and Geotechnical A																		
	Target Price																		
	Direct Expenses including Travel																		
3	FSAR Chapter 2 - Site Characteristics																		
	Target Price																		
	Direct Expenses including Travel																		
4	ER, Site Restoral Plan, and EP																		
	Target Price																		
	Direct Expenses including Travel																		
5	FSAR Technology Chapters 4, 5, 6, 7 and 12																		
	Target Price																		
	Direct Expenses including Travel																		
6	FSAR Chapters 13, 14 and 16																		
	Target Price																		
	Direct Expenses including Travel																		
7	FSAR Chapters 1, 3, 8, 17, 18 and 19																		
	Target Price																		
	Direct Expenses including Travel																		
8	FSAR Chapters 9,10,11 and 15																		
	Target Price																		
	Direct Expenses including Travel																		
9	Programs, Procedures and Plan Separate from FS																		
	Target Price																		
	Direct Expenses including Travel																		
10	Conceptual Design separate from FSAR																		
	Target Price																		
	Direct Expenses including Travel																		
11	Project Management Activities																		
	Target Price																		
	Direct Expenses including Travel																		
12	Site Unique Scope not in RFP																		
	Target Price																		
	Direct Expenses including Travel																		
13	COLA Fieldwork																		
	Target Price																		
	Direct Expenses including Travel																		
	Total Target Price																		
	Total Direct Expenses including Travel																		

Redacted

Key:

% Complete	This reflects the current stage of the task and thus helps gage the significance of the performance data.
BCWS	Budgeted Cost of Work Scheduled: This reflects the value of the work that was to be complete by this point in time per the work plan.
BCWP	Budgeted Cost of Work Performed: This reflects the value of the work that has been completed (Earned Value)
ACWP	Actual Cost of Work Performed: This reflects the actual expenditure to date
SV	Schedule Variance (SV = BCWP - BCWS): This measures the deviation from the project schedule (negative no. indicates behind schedule)
CV	Cost Variance (CV = BCWP - ACWP): This measures the deviation from the project budget (negative no. indicates budget overrun)
SPI	Schedule Performance Index (SPI = BCWP/BCWS): This reflects performance relative to project schedule. (> 1.0 indicates ahead of schedule)
CPI	Cost Performance Index (CPI = BCWP/ACWP): This reflects performance relative to project budget. (>1.0 indicates under budget)

ATTACHMENT B

CONFIDENTIAL

SUMMARY OF APPROVED AND PENDING SCOPE REVISIONS BY IMPACT EVALUATION NUMBER

Month Ending November 2007

Impact Eval. No.	Description	Task #	Date	Amount	Status
56	Additional PM scope	11	7/5/2007		E Approved
	Total				
57	Sand Filters	12	7/5/2007		E Approved
57	Additional PM scope	11	7/5/2007		E Approved
	Total				
58	Turbine Island Chemicals	12	7/6/2007		E Approved
58	Additional PM scope	11	7/6/2007		E Approved
	Total				
59	Cooling Tower	12	7/6/2007		E Approved
59	Additional PM scope	11	7/6/2007		E Approved
	Total				
61	CW Make-up Water system	12	7/6/2007		E Approved
61	Additional PM scope	11	7/6/2007		E Approved
	Total				
62	CW Blowdown System	12	7/6/2007		E Approved
62	Additional PM scope	11	7/6/2007		E Approved
	Total				
63	Excess Storm Water	12	7/6/2007		Pending
63	Additional PM scope	11	7/6/2007		Pending
	Total				
64	Raw Water System	10	7/6/2007		E Approved
64	Additional PM scope	11	7/6/2007		E Approved
	Total				
66	Potable Water System	8	7/6/2007		Rescinded
66	Additional PM scope	11	7/6/2007		Rescinded
	Total				
67	Fresh Water	4	7/6/2007		E Approved
67	Additional PM scope	11	7/6/2007		E Approved
	Total				
68	ER Blowdown	4	8/6/2007		E Approved
68	Additional PM scope	11	8/6/2007		E Approved
	Total				
69	Geotechnical Blowdown	13	8/6/2007		Rescinded
69	Additional PM scope	11	8/6/2007		Rescinded
	Total				
71	NRC ER Visit	4	8/6/2007		E Approved
71	Additional PM scope	11	8/6/2007		E Approved
	Total				
84	Subcontractor M&T Costs	2	11/22/2007		E Approved
84	Additional PM scope	11	11/22/2007		E Approved
	Total				
85	Met Data Analysis	3	11/22/2007		E Approved
85	Additional PM scope	11	11/22/2007		E Approved
	Total				
86	Foundation Design - Interim Release	14	11/22/2007		E Approved
86	Additional PM scope	11	11/22/2007		E Approved
	Total				
87	Downhole Review	13	11/22/2007		E Approved
87	Additional PM scope	11	11/22/2007		E Approved
	Total				
88	Marion County GIS	4	11/22/2007		Pending
88	Additional PM scope	11	11/22/2007		Pending
	Total				
90	100 Year Temperatures	8	11/22/2007		IE Approved
90	Additional PM scope	11	11/22/2007		IE Approved
	Total				
100	Land Use Survey	3	11/22/2007		IE Approved
100	Additional PM scope	11	11/22/2007		IE Approved
	Total				
101	Cultural Resources	4	8/6/2007		Pending
101	Additional PM scope	11	8/6/2007		Pending
	Total				

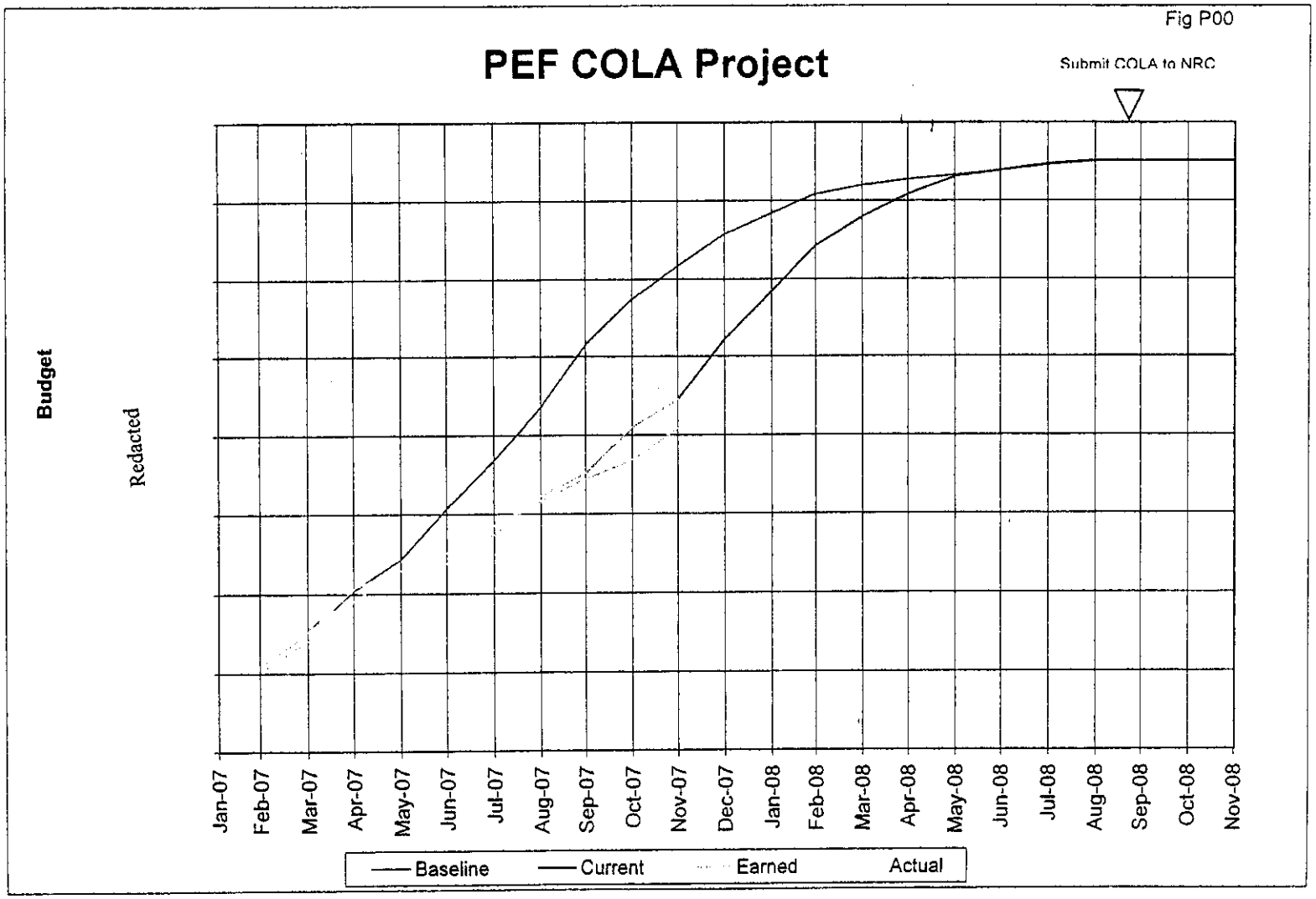
Redacted

Redacted

Total WA Amount Approved	
Total Amount IE Approved	
Total Amount Pending Approval	

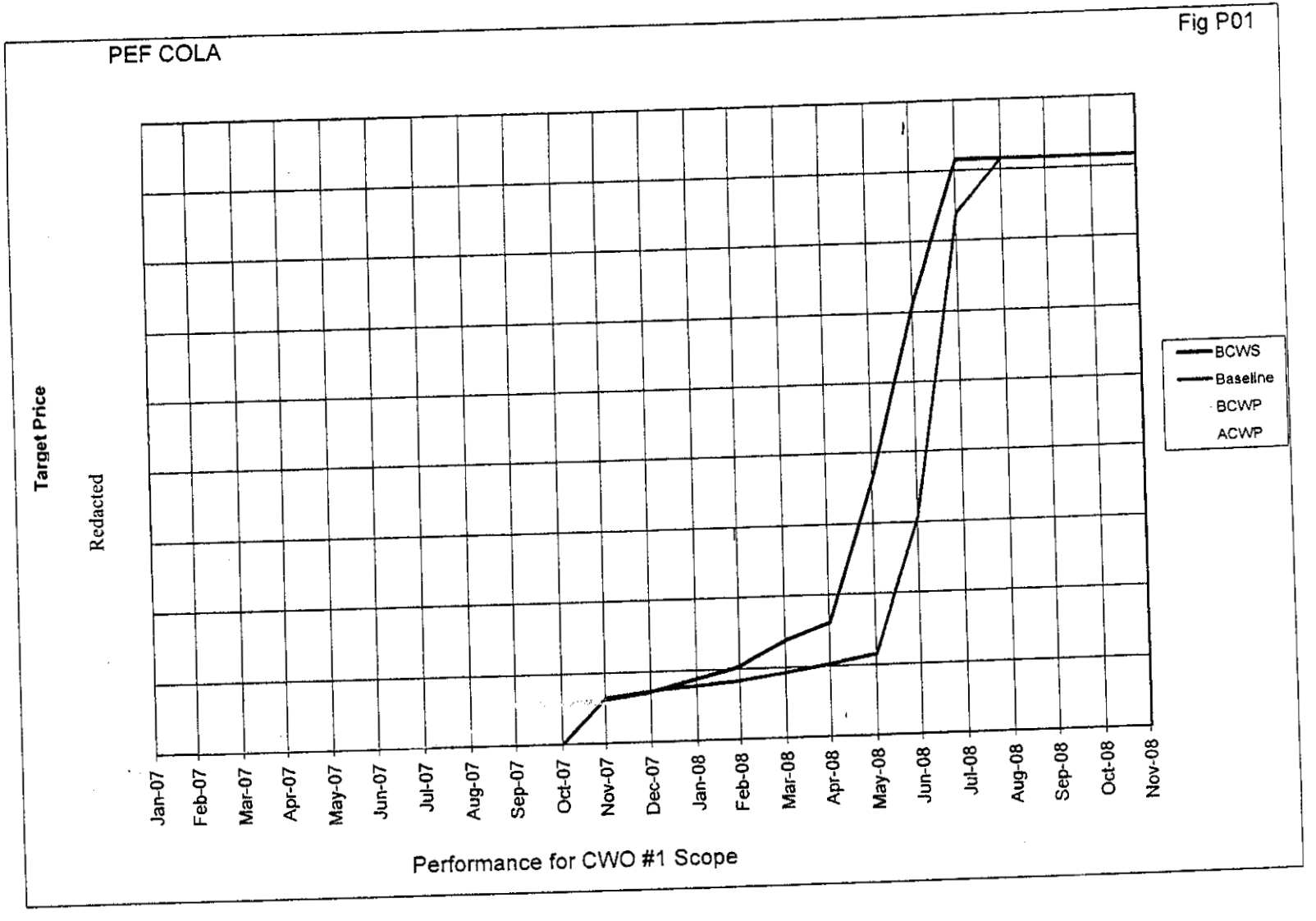
CONFIDENTIAL

Fig P00

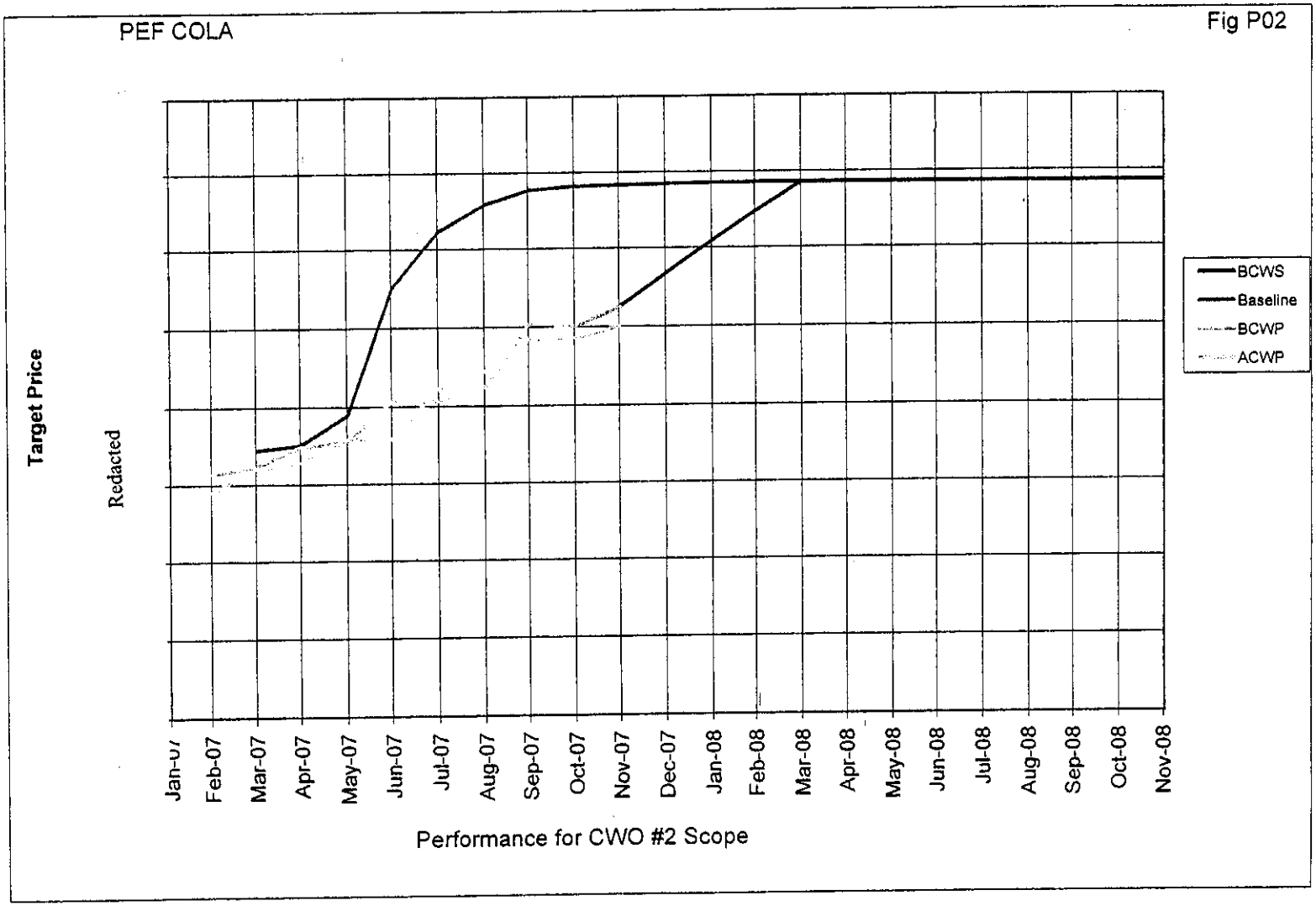


CONFIDENTIAL

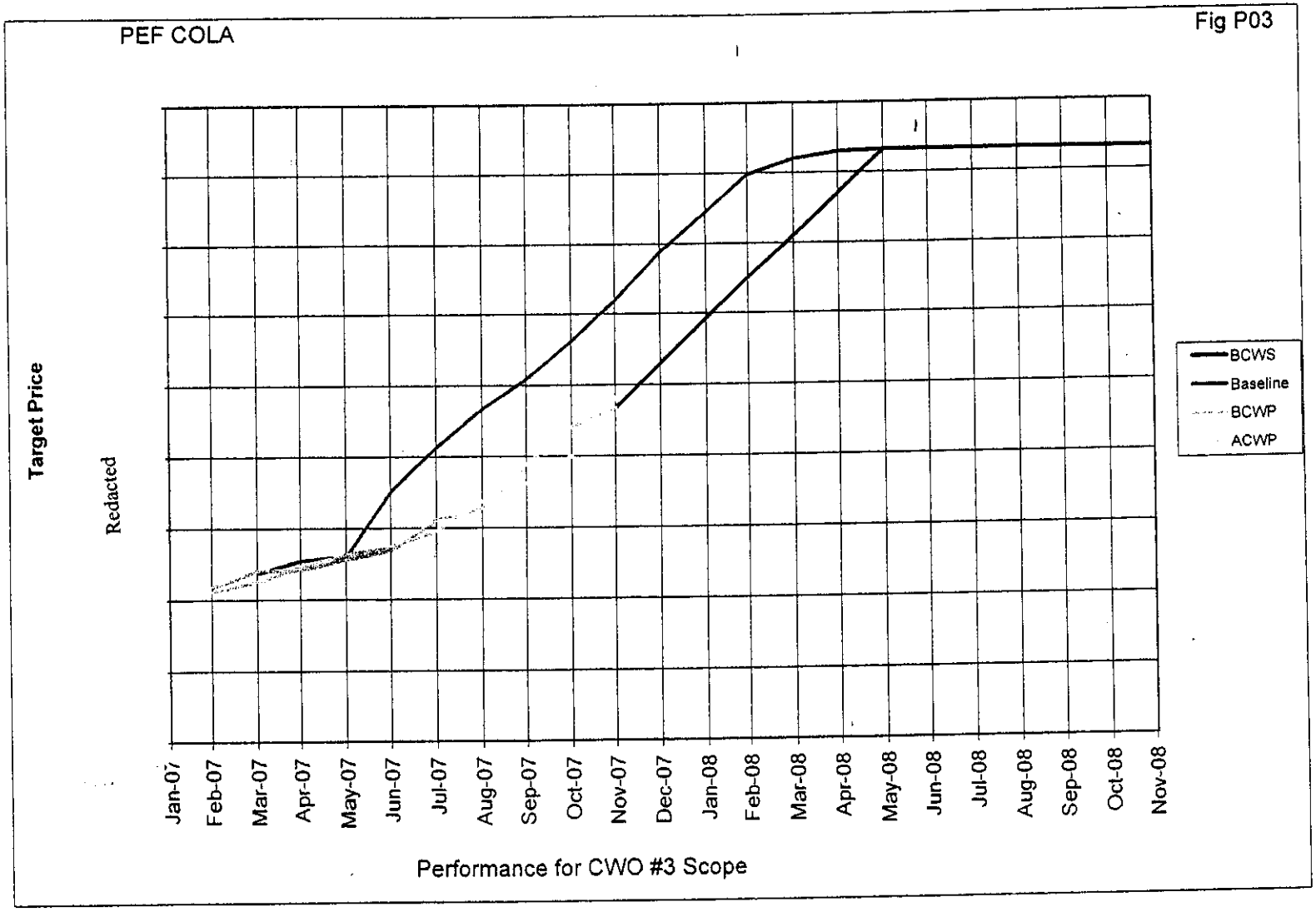
Fig P01

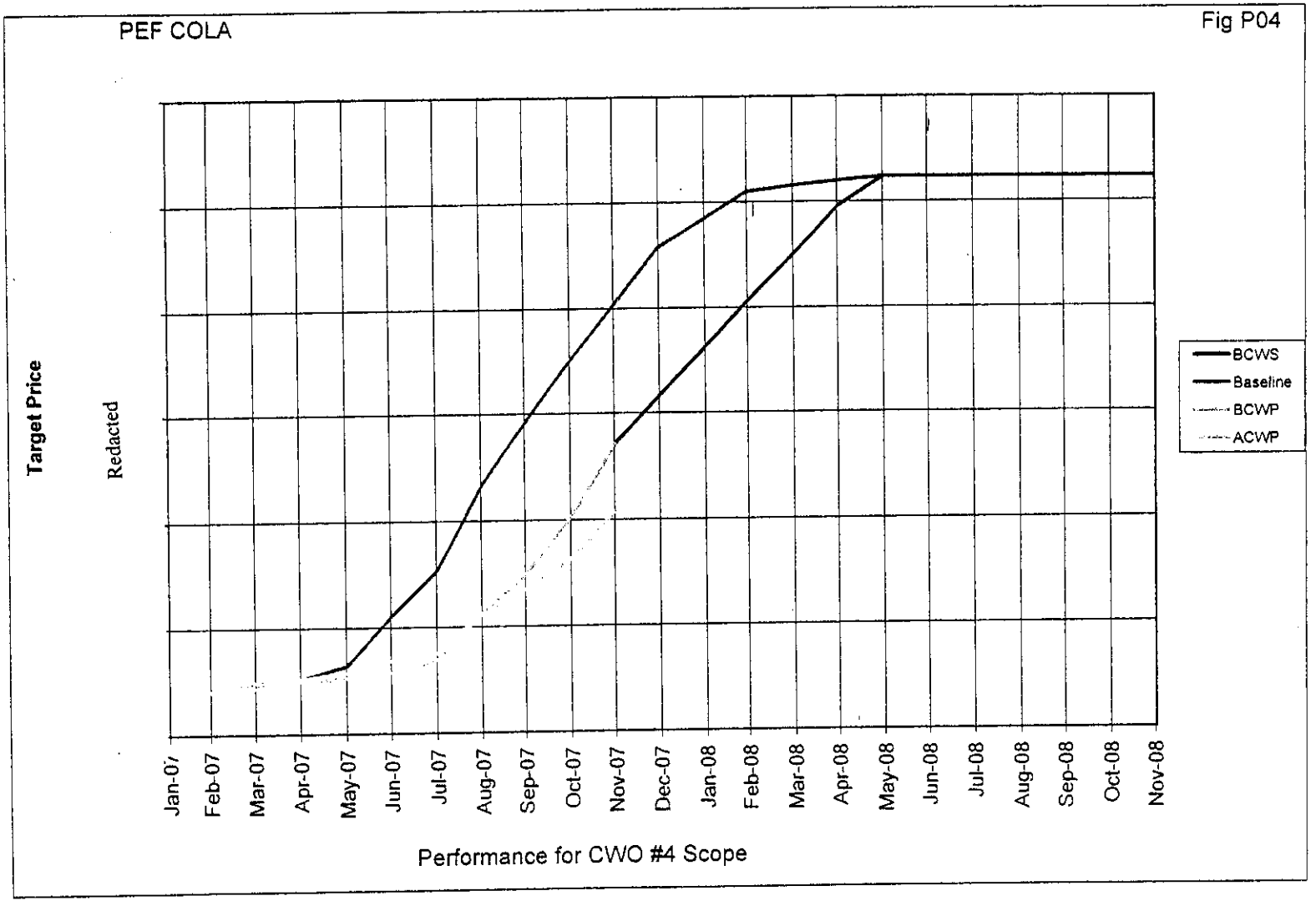


CONFIDENTIAL



CONFIDENTIAL



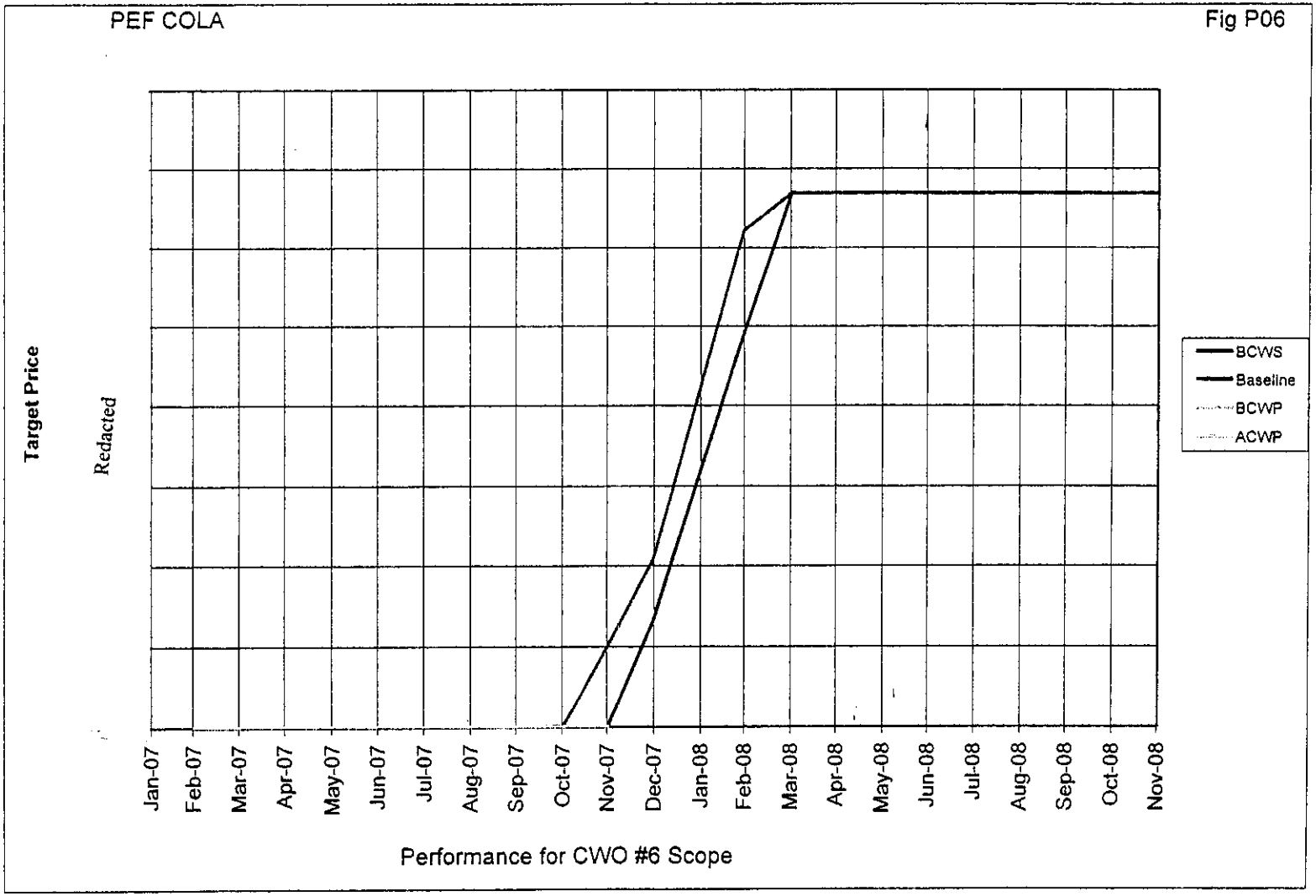

PEF COLA
Fig P04
Target Price
Redacted
Jan-07
Feb-07
Mar-07
Apr-07
May-07
Jun-07
Jul-07
Aug-07
Sep-07
Oct-07
Nov-07
Dec-07
Jan-08
Feb-08
Mar-08
Apr-08
May-08
Jun-08
Jul-08
Aug-08
Sep-08
Oct-08
Nov-08
BCWS
Baseline
BCWP
ACWP
Performance for CWO #4 Scope

CONFIDENTIAL

Fig P05

PEF COLA

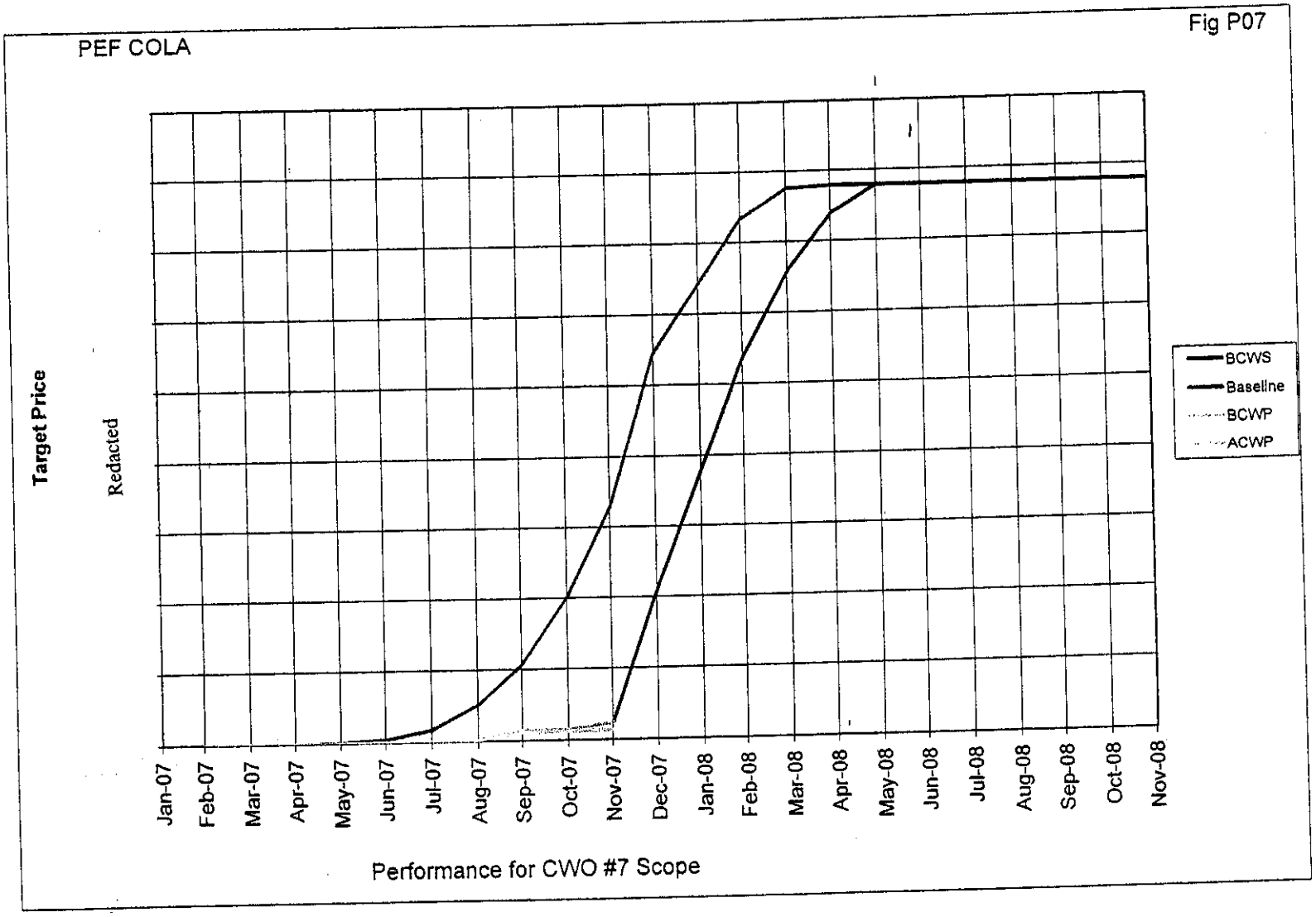
CONFIDENTIAL



CONFIDENTIAL

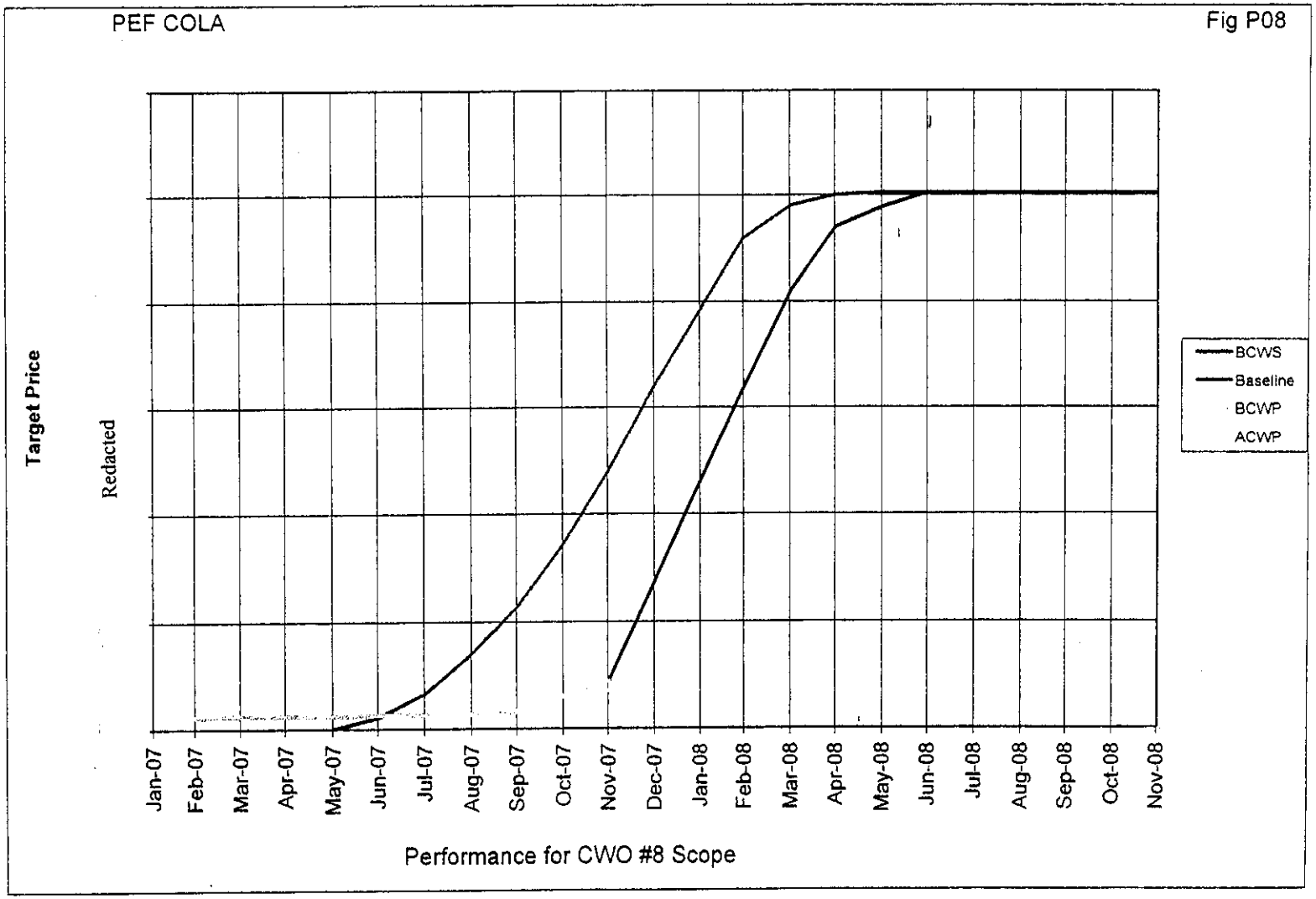
Fig P07

PEF COLA



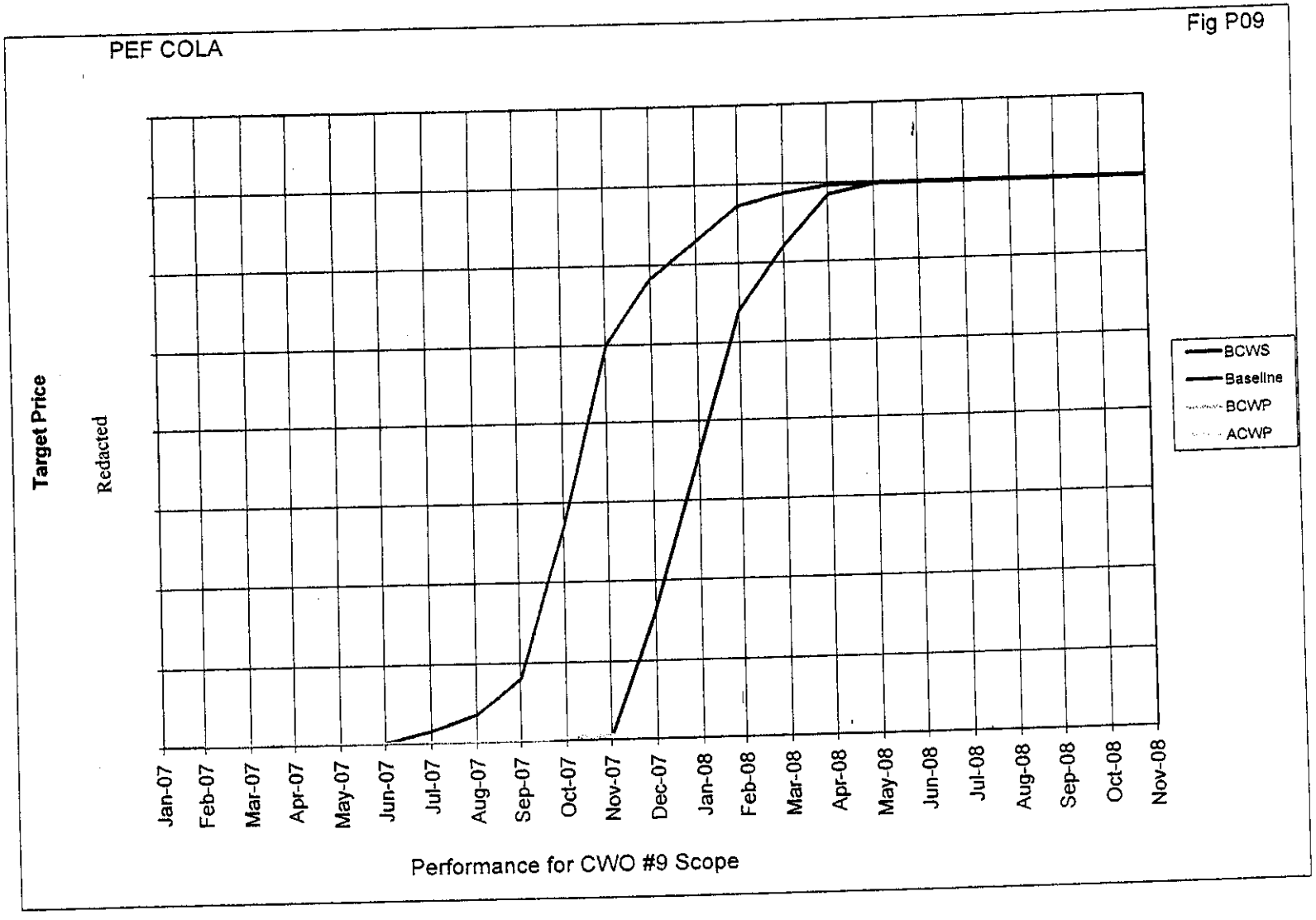
PEF COLA

Fig P08

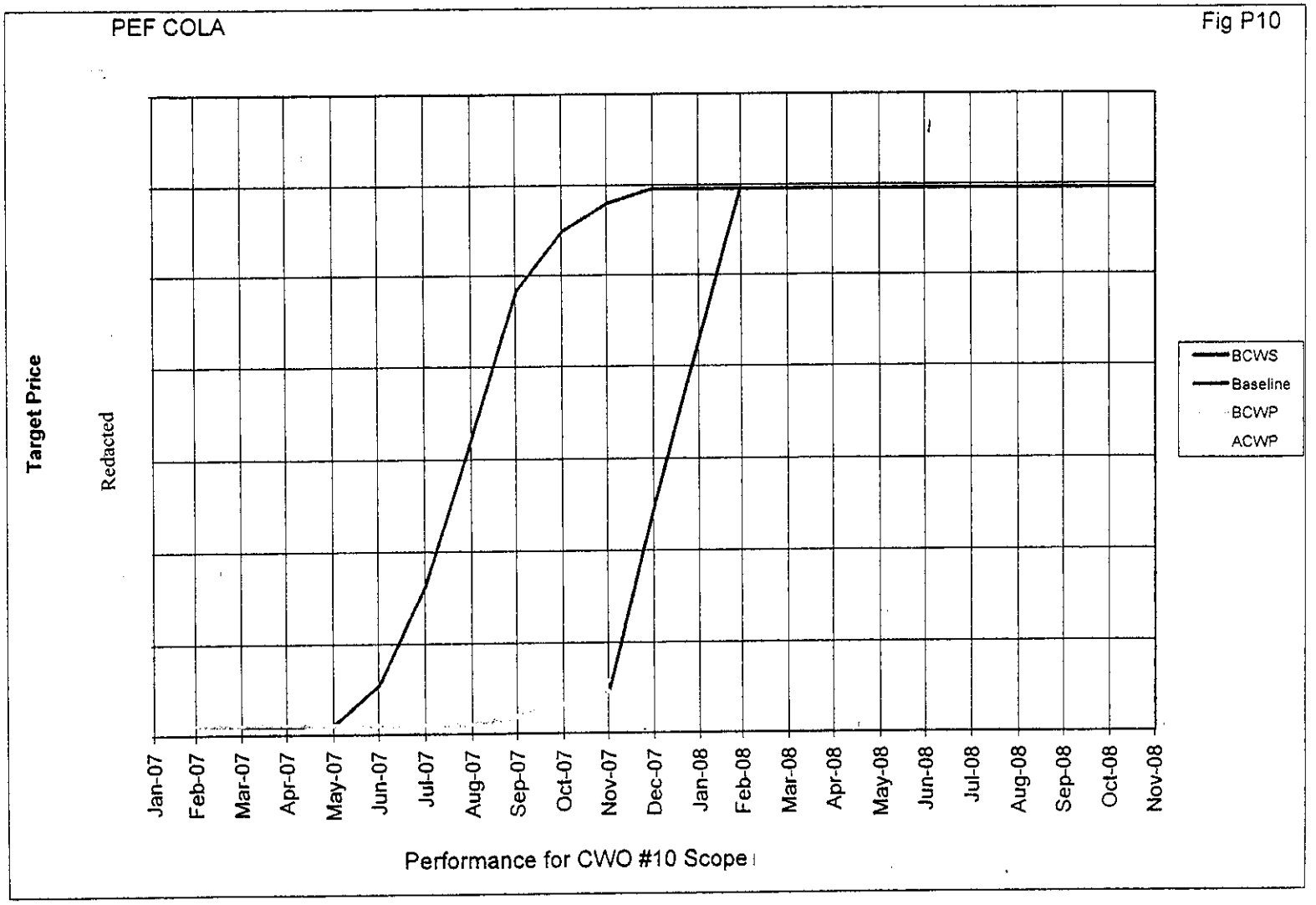


CONFIDENTIAL

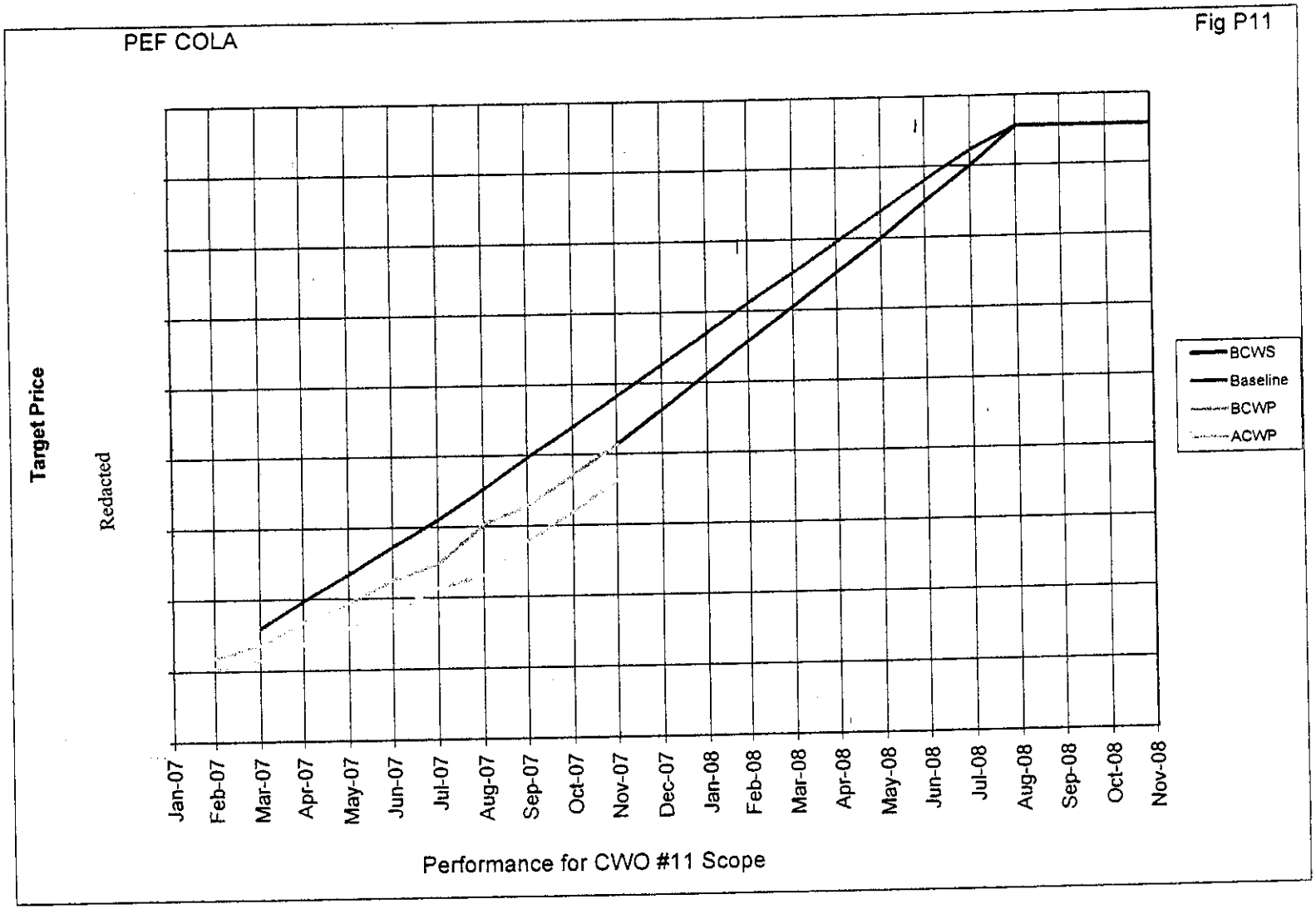
Fig P09



CONFIDENTIAL



CONFIDENTIAL



CONFIDENTIAL

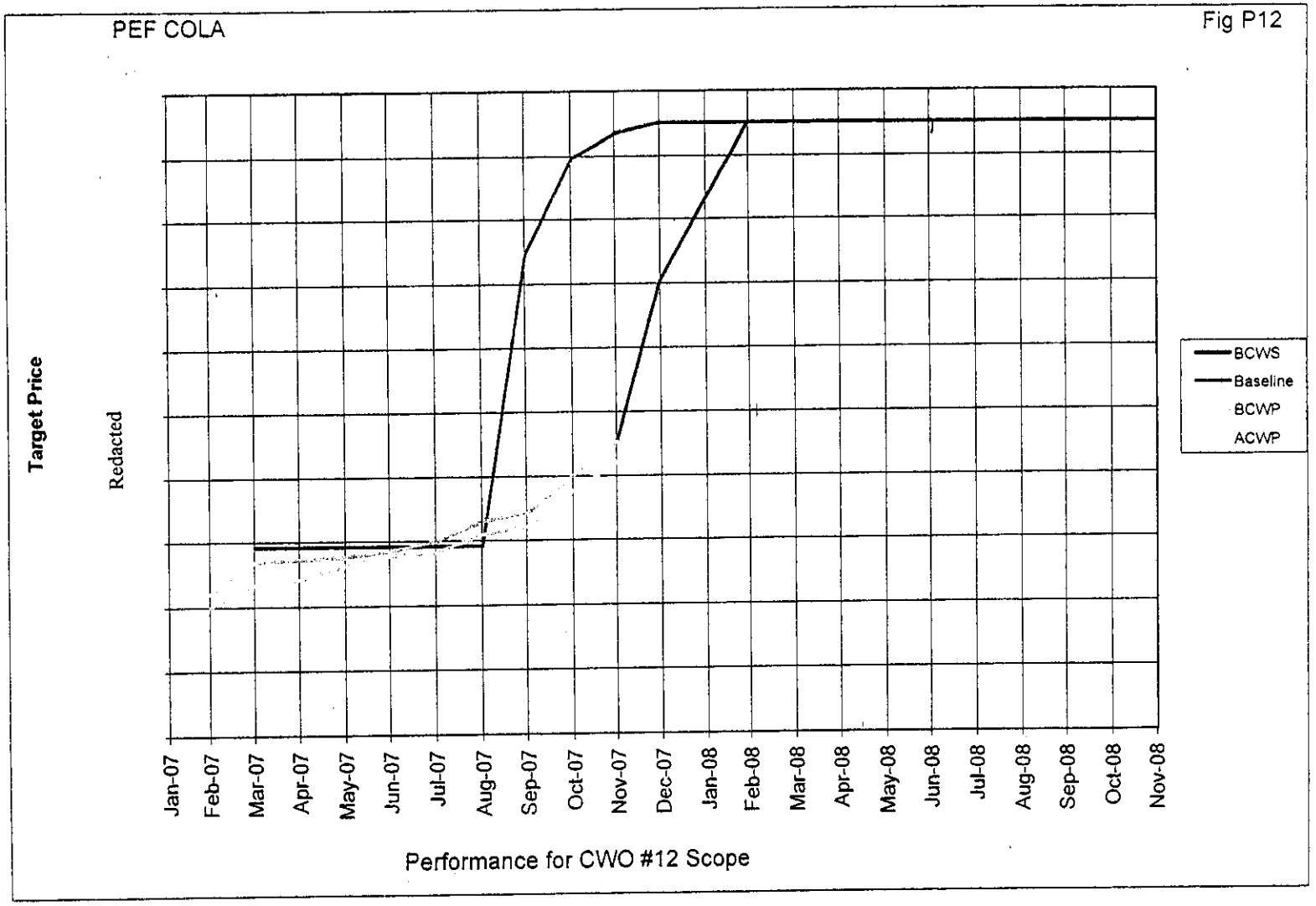
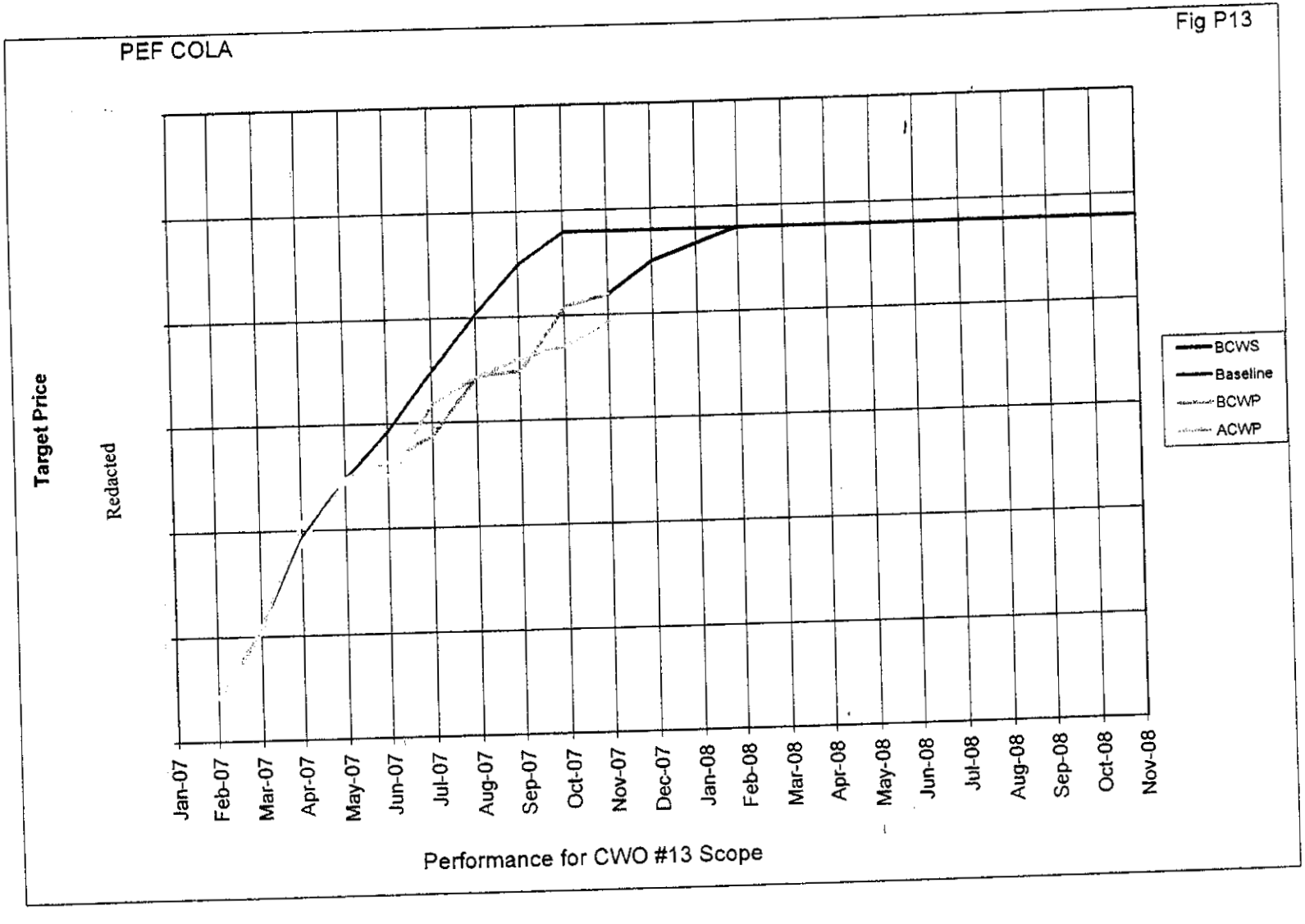


Fig- 13

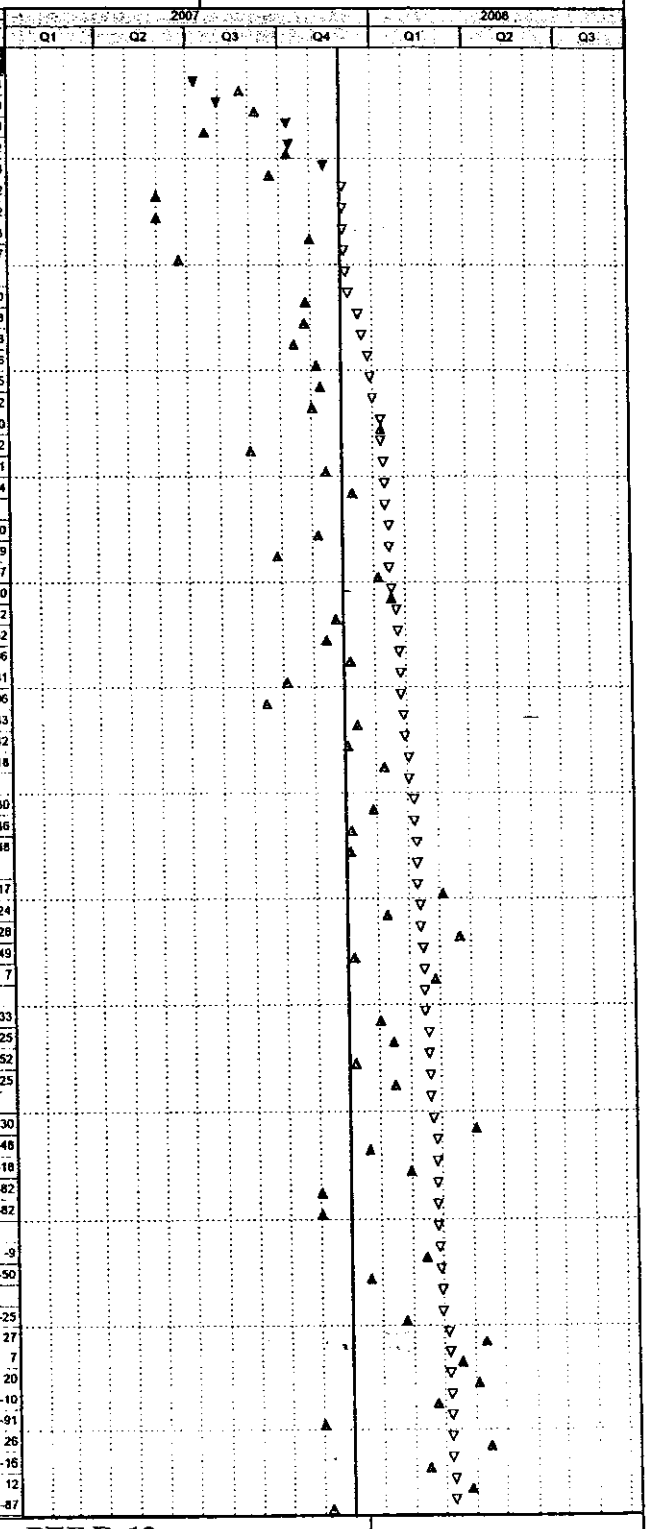
CONFIDENTIAL



14 PAGES

CONFIDENTIAL

Task Name	Finish	Baseline Finish	BL Var
LNP COLA - PEF R-12	06/04/08	05/22/08	14
OAR for GA	07/09/07 A	08/23/07	34
Finalize GA	07/31/07 A	09/07/07	29
Tech Edit / Submit OAR ER Chp 1 (Rev C)	10/19/07 A	07/19/07	-58
OAR Potable Water System	10/12/07 A	10/09/07	-2
Tech Edit / Submit OAR EP (Rev C)	11/15/07 A	09/21/07	-38
PGN Provide Description of New Switchyard Relay Protection	12/03/07	05/31/07	-132
PGN Provide Description of Existing Offsite Power Test & Inspection Pro...	12/03/07	05/31/07	-132
NuStart COLA submitted	12/03/07	10/31/07	-23
CH Provide Onsite Meteorological Data Input for CHI/Q to WP	12/04/07	06/22/07	-117
Submit ER Chp 1 Rev D	12/05/07		
Submit EP Rev D	12/07/07	10/26/07	-30
Issue Final Report Potable Water System	12/17/07	10/25/07	-38
Begin OAR - CWS	12/20/07	10/15/07	-48
Conceptual Design Waste Water Treatment System / Submit OAR	12/26/07	11/06/07	-36
Tech Edit / Finalize Section (2.5.1) (Rev C)	12/28/07	11/09/07	-35
Conceptual Design Storm Water Retention - Supplement CW makeup / S...	12/31/07	11/01/07	-42
Internal Review / Comments Resolution / Submit OAR Chapter 12	01/08/08	01/08/08	0
Issue Report for OAR Blowdown System	01/08/08	08/31/07	-92
Submit OAR FSAR Chapter 17	01/10/08	11/14/07	-41
Conceptual Design Cooling Tower / Submit OAR	01/11/08	12/10/07	-24
Submit for OAR (QA Programs)	01/11/08		
Conceptual Design CW makeup System / Submit OAR	01/15/08	11/06/07	-50
Tech Edit / Submit OAR ER Chp 8 (Rev C)	01/15/08	09/26/07	-79
Submit OAR FSAR Chapter 1	01/15/08	01/04/08	-7
Issue Finalize Chapter 12	01/18/08	01/18/08	0
Issue Finalize Chapter 6	01/22/08	11/23/07	-42
Issue Finalize Conceptual Design of CWS	01/24/08	11/13/07	-52
Issue Final Report WWS	01/24/08	12/06/07	-36
Issue Switchyard Conceptual Design for OAR	01/25/08	10/04/07	-81
Tech Edit / Submit OAR ER Chp 3 (Rev C)	01/25/08	09/13/07	-96
Internal Review / Comments Resolution / Submit OAR Chapter 6	01/28/08	12/12/07	-33
Issue Final Report OAR Storm Water Retention	01/29/08	12/03/07	-42
Internal Review / Comments Resolution / Submit OAR Chapter 14	02/01/08	01/08/08	-18
OAR (2.5.1) (Rev D)	02/01/08		
Issue Final Report CW Make-Up Water System	02/06/08	12/27/07	-30
Issue Final Report Blowdown System	02/06/08	12/05/07	-46
Internal Review / Comments Resolution / Submit OAR Chapter 7	02/08/08	12/04/07	-48
Submit for Approval (QA Programs)	02/08/08		
Submit OAR FSAR Chapter 18	02/08/08	03/04/08	17
Issue Final Report Mechanical Draft Cooling Towers	02/11/08	01/09/08	-24
CH Provide Site Meteorological Data Input for Revised CHI/Q to WP	02/11/08	03/20/08	28
Submit OAR FSAR Chapter 9	02/13/08	12/06/07	-49
Internal Review / Comments Resolution / Submit OAR Chapter 16	02/14/08	02/25/08	7
Finalize Grading & Drainage	02/14/08		
Issue Finalize Chapter 6	02/15/08	01/01/08	-33
Tech Edit / Submit OAR ER Chp 9 (Rev C)	02/18/08	01/14/08	-25
Begin Submit OAR Railroad Access	02/18/08	12/06/07	-52
Internal Review / Comments Resolution / Submit OAR Chapter 5	02/19/08	01/15/08	-25
Submit ER Chp 8 Rev D	02/19/08		
Tech Edit / Submit OAR FSAR Section 2.1 (Rev C)	02/21/08	04/03/08	30
Issue Finalize Chapter 7	02/25/08	12/19/07	-48
Issue Chapter 14 Rev D	02/25/08	01/30/08	-18
Switchyard Layout and Design	02/25/08	11/02/07	-82
Issue Finalize Conceptual Design of Switchyard	02/25/08	11/02/07	-82
OAR Submittal (Rev. C) - Calc Package I	02/25/08		
WP Input Provide Text for ER 5.4	02/26/08	02/13/08	-9
Submit OAR FSAR Chapter 8	02/27/08	12/19/07	-50
Submit ER Chp 3 Rev D	02/28/08		
Issue Finalize Chapter 5	02/29/08	01/25/08	-25
Submit OAR FSAR Chapter 10	03/05/08	04/11/08	27
Issue Finalize Chapter 16	03/07/08	03/16/08	7
Submit Security Plan for Progress Energy OAR	03/07/08	04/04/08	20
Internal Review / Comments Resolution / Submit OAR Chapter 13	03/07/08	02/22/08	-10
Tech Edit / Submit OAR ER Chp 10 (Rev C)	03/07/08	11/01/07	-91
Tech Edit / Submit OAR ER Chp 6 (Rev C)	03/07/08	04/15/08	26
Tech Edit / Submit OAR ER Chp 4 (Rev C)	03/07/08	02/14/08	-16
Issue Finalize Chapter 18	03/10/08	03/26/08	12
Tech Edit / Submit OAR FSAR Section 2.2 (Rev C)	03/10/08	11/08/07	-87

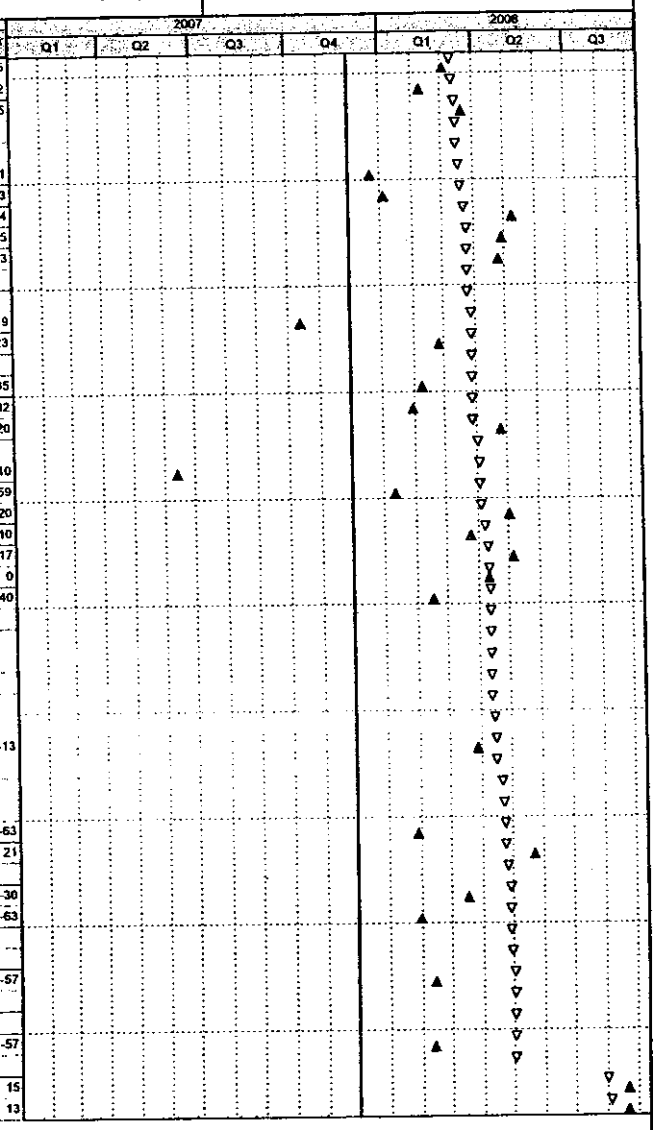


▽ Milestone
▲ Baseline
▼ Actual

LNP COLA - PEF R-12
Attachment D- Milestone Summary Report

LNP COLA - PEF R-12	Attachment D- Milestone Summary Report	12/10/07 14:31

Task Name	Finish	Baseline Finish	BL Var
Submit OAR FSAR Chapter 3	03/10/08	03/03/08	-5
Tech Edit / Submit OAR ER Chp 2 (Rev C)	03/11/08	02/08/08	-22
Submit OAR FSAR Chapter 19	03/13/08	03/20/08	5
OAR Submittal (Rev. C) - Calc Package II	03/14/08		
OAR Submittal (Rev. C) - Calc Package III	03/14/08		
Finalize Rail Access	03/17/08	12/21/07	-61
Tech Edit / Submit OAR Site Redress Plan (Rev C)	03/18/08	01/03/08	-53
Tech Edit / Finalize Section (2.5.3) (Rev C)	03/21/08	05/09/08	34
Tech Edit / Submit OAR ER Chp 5 (Rev C)	03/24/08	04/28/08	25
Tech Edit / Submit OAR Meteorology Section 2.3 (Rev C)	03/24/08	04/24/08	23
Submit ER Chp 9 Rev D	03/24/08		
OAR Submittal (Rev. D) - Calc Package I	03/24/08		
Tech Edit / Submit OAR ER Chp 7 (Rev C)	03/27/08	10/12/07	-119
Tech Edit / Submit OAR FSAR Section 2.4 (Rev C)	03/27/08	02/25/08	-23
Issue Final FSAR 2.1 (Rev D)	03/27/08		
Tech Edit / Finalize Section (2.5.2) (Rev C)	03/27/08	02/07/08	-35
Submit OAR - Vibratory Ground Motion (Rev C)	03/27/08	01/29/08	-42
Begin OAR - Chapter 11	03/27/08	04/24/08	20
Submit for OAR (Fire Protection Program / Plan)	04/01/08		
S&L Compiles FSAR 2.5.4	04/02/08	06/13/07	-210
Issue Finalize Chapter 9	04/03/08	01/11/08	-59
Issue Security Plan	04/04/08	05/02/08	20
Issue Finalize Chapter 13	04/07/08	03/24/08	-10
Issue Finalize FSAR Chapter 10	04/10/08	05/05/08	17
Issue Finalize Chapter 19	04/11/08	04/11/08	0
OAR - FSAR Chapter 15	04/11/08	02/15/08	-40
Submit ER Chp 4 Rev D	04/11/08		
Submit ER Chp 6 Rev D	04/11/08		
Submit ER Chp 10 Rev D	04/11/08		
OAR Submittal (Rev. D) - Calc Package II	04/11/08		
OAR Submittal (Rev. D) - Calc Package III	04/11/08		
Issue Final FSAR 2.2 (Rev D)	04/14/08		
Issue Finalize Chapter 3	04/15/08	03/28/08	-13
Submit ER Chp 2 Rev D	04/15/08		
Issue Final FSAR 2.3 (Rev D)	04/21/08		
Submit Site Redress Rev D	04/22/08		
Issue Finalize Chapter 1	04/24/08	01/28/08	-63
Issue Finalize FSAR Chapter 11	04/24/08	05/23/08	21
OAR (2.5.3) (Rev D)	04/25/08		
Issue Finalize FSAR Section 15	04/28/08	03/17/08	-30
Issue Finalize Chapter 8	04/28/08	01/31/08	-63
Submit ER Chp 5 Rev D	04/28/08		
Submit for Approval (Fire Protection Program / Plan)	04/29/08		
Issue Finalize Vibratory Ground Motion Report (Rev D)	05/01/08	02/13/08	-57
Issue Final FSAR 2.4 (Rev D)	05/01/08		
Submit ER Chp 7 Rev D	05/01/08		
S&L Submit FSAR 2.5.4 (Rev. D)	05/01/08	02/12/08	-57
OAR (2.5.2) (Rev D)	05/01/08		
Assemble Final COL Application	08/01/08	08/22/08	15
Submit Final COLA to NRC	08/04/08	08/21/08	13

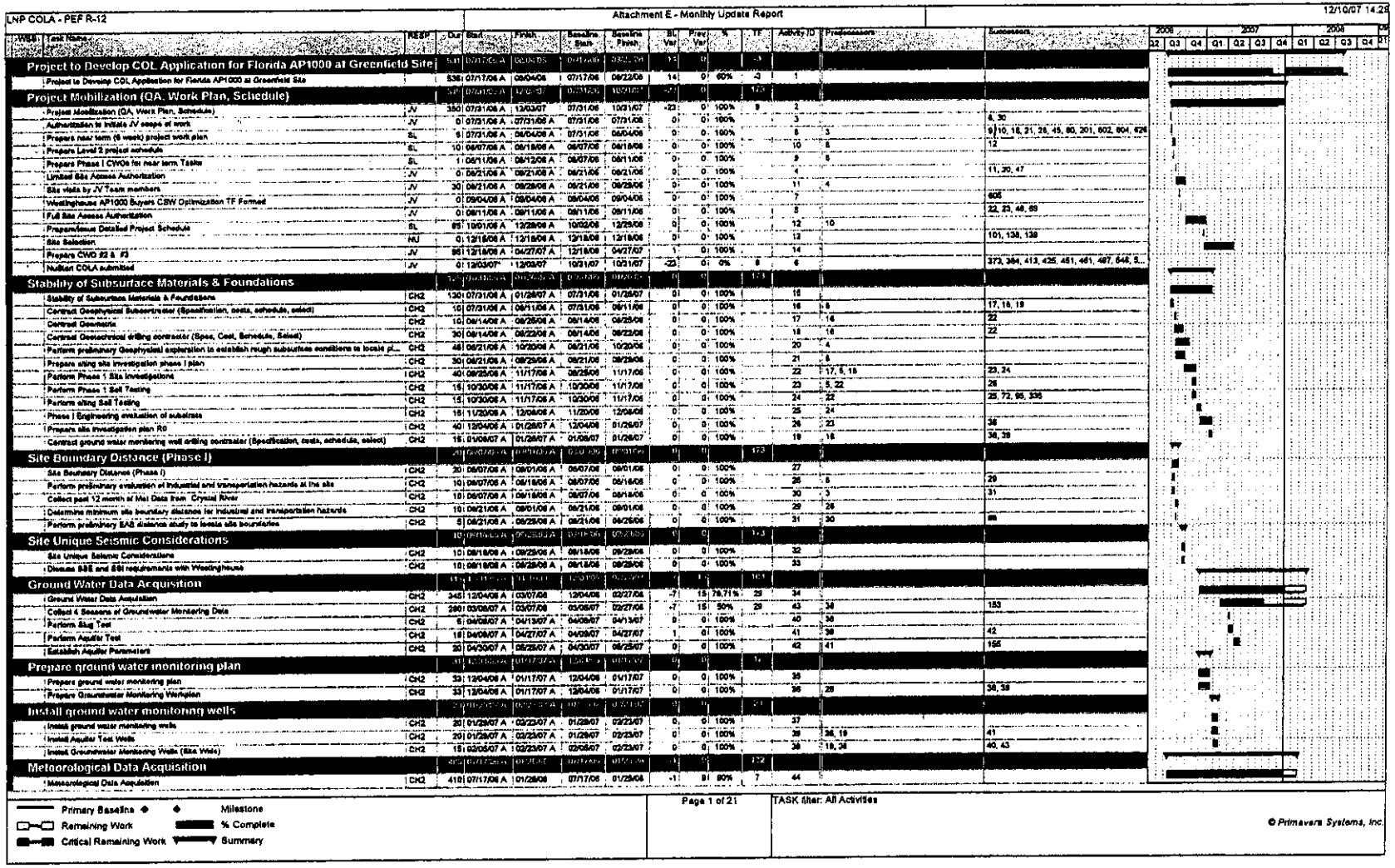


CONFIDENTIAL

▽ Milestone
▲ Baseline
▼ Actual

LNP COLA - PEF R-12
Attachment D- Milestone Summary Report

CONFIDENTIAL



LNP COLA - PEF R-12 | Attachment E - Monthly Update Report | 12/10/07 14:28

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var	Prev Var	%	TF	Activity ID	Predecessors	Successors
	Project to Develop COL Application for Florida AP1000 at Greenfield Site		541	07/17/06 A	08/04/08	07/17/06	08/22/08	14	0		-3			
	Project to Develop COL Application for Florida AP1000 at Greenfield Site		536	07/17/06 A	08/04/08	07/17/06	08/22/08	14	0	60%	-3	1		
	Project Mobilization (QA, Work Plan, Schedule)		541	07/31/06 A	12/03/07	07/31/06	10/31/07	-23	0		123			
	Project Mobilization (QA, Work Plan, Schedule)	JV	350	07/31/06 A	12/03/07	07/31/06	10/31/07	-23	0	100%	9	2		
	Authorization to initiate JV scope of work	JV	0	07/31/06 A	07/31/06 A	07/31/06	07/31/06	0	0	100%		3		5, 30
	Prepare near term (6 week) project work plan	SL	5	07/31/06 A	08/04/06 A	07/31/06	08/04/06	0	0	100%		5	3	9 10, 15, 21, 26, 45, 80, 201, 602, 604, 626
	Prepare Level 2 project schedule	SL	10	08/07/06 A	08/18/06 A	08/07/06	08/18/06	0	0	100%		10	6	12
	Prepare Phase I CWOs for near term Tasks	SL	1	08/11/06 A	08/12/06 A	08/07/06	08/11/06	0	0	100%		9	5	
	Limited Site Access Authorization	JV	0	08/21/06 A	08/21/06 A	08/21/06	08/21/06	0	0	100%		4		11, 20, 47
	Site visits by JV Team members	JV	30	08/21/06 A	09/29/06 A	08/21/06	09/29/06	0	0	100%		11	4	
	Westinghouse AP1000 Buyers CSW Optimization TF Formed	JV	0	09/04/06 A	09/04/06 A	09/04/06	09/04/06	0	0	100%		7		605
	Full Site Access Authorization	JV	0	09/11/06 A	09/11/06 A	09/11/06	09/11/06	0	0	100%		8		22, 23, 46, 69
	Preparation Detailed Project Schedule	SL	65	10/01/06 A	12/28/06 A	10/02/06	12/29/06	0	0	100%		12	10	
	Site Selection	HU	0	12/18/06 A	12/18/06 A	12/18/06	12/18/06	0	0	100%		13		101, 138, 139
	Prepare CWO #2 & #3	JV	95	12/18/06 A	04/27/07 A	12/18/06	04/27/07	1	0	100%		14		
	NuStart COLA submitted	JV	0	12/03/07*	12/03/07	10/31/07	10/31/07	-23	0	0%	0	6		373, 384, 413, 435, 461, 481, 487, 646, 5...
	Stability of Subsurface Materials & Foundations		130	07/31/06 A	01/28/07 A	07/31/06	01/28/07	0	0		123			
	Stability of Subsurface Materials & Foundations	CH2	130	07/31/06 A	01/28/07 A	07/31/06	01/28/07	0	0	100%		15		
	Contract Geophysical Subcontractor (Specification, costs, schedule, select)	CH2	10	07/31/06 A	08/11/06 A	07/31/06	08/11/06	0	0	100%		16	9	17, 18, 19
	Contract Geometrix	CH2	10	08/14/06 A	08/25/06 A	08/14/06	08/25/06	0	0	100%		17	16	22
	Contract Geotechnical drilling contractor (Spec, Cost, Schedule, Select)	CH2	30	08/14/06 A	09/22/06 A	08/14/06	09/22/06	0	0	100%		18	16	22
	Perform preliminary Geophysical exploration to establish rough subsurface conditions to locate pl...	CH2	48	08/21/06 A	10/30/06 A	08/21/06	10/20/06	0	0	100%		20	4	
	Prepare siting site investigation phase I plan	CH2	30	08/21/06 A	09/29/06 A	08/21/06	09/29/06	0	0	100%		21	5	
	Perform Phase 1 Site Investigations	CH2	40	09/25/06 A	11/17/06 A	09/25/06	11/17/06	0	0	100%		22	17, 5, 18	23, 24
	Perform Phase 1 Soil Testing	CH2	16	10/30/06 A	11/17/06 A	10/30/06	11/17/06	0	0	100%		23	5, 22	26
	Perform siting Soil Testing	CH2	15	10/30/06 A	11/17/06 A	10/30/06	11/17/06	0	0	100%		24	22	25, 72, 95, 336
	Phase I Engineering evaluation of subsitrata	CH2	15	11/20/06 A	12/06/06 A	11/20/06	12/06/06	0	0	100%		25	24	
	Prepare site investigation plan R0	CH2	40	12/04/06 A	01/28/07 A	12/04/06	01/28/07	0	0	100%		26	23	36
	Contract ground water monitoring well drilling contractor (Specification, costs, schedule, select)	CH2	15	01/08/07 A	01/28/07 A	01/08/07	01/28/07	0	0	100%		19	18	36, 39
	Site Boundary Distance (Phase I)		20	08/07/06 A	09/01/06 A	08/07/06	09/01/06	0	0		173			
	Site Boundary Distance (Phase I)	CH2	20	08/07/06 A	09/01/06 A	08/07/06	09/01/06	0	0	100%		27		
	Perform preliminary evaluation of industrial and transportation hazards at the site	CH2	10	08/07/06 A	08/18/06 A	08/07/06	08/18/06	0	0	100%		28	5	29
	Collect past 12 month of Met Data from Crystal River	CH2	10	08/07/06 A	08/18/06 A	08/07/06	08/18/06	0	0	100%		30	3	31
	Determine minimum site boundary distance for industrial and transportation hazards	CH2	10	08/21/06 A	09/01/06 A	08/21/06	09/01/06	0	0	100%		29	28	
	Perform preliminary EAB distance study to locate site boundaries	CH2	5	08/21/06 A	08/25/06 A	08/21/06	08/25/06	0	0	100%		31	30	88
	Site Unique Seismic Considerations		10	08/07/06 A	08/18/06 A	08/07/06	08/25/06	0	0		173			
	Site Unique Seismic Considerations	CH2	10	08/07/06 A	08/25/06 A	08/18/06	08/25/06	0	0	100%		32		
	Discuss SSE and SSI requirements with Westinghouse	CH2	10	08/18/06 A	08/25/06 A	08/18/06	08/25/06	0	0	100%		33		
	Ground Water Data Acquisition		345	12/04/06 A	03/07/08	12/04/06	02/27/08	-7	15		164			
	Ground Water Data Acquisition	CH2	345	12/04/06 A	03/07/08	12/04/06	02/27/08	-7	15	79.71%	29	34		
	Collect 4 Seasons of Groundwater Monitoring Data	CH2	280	03/08/07 A	03/07/08	03/08/07	02/27/08	-7	15	50%	29	43	38	153
	Perform Slug Test	CH2	5	04/08/07 A	04/13/07 A	04/08/07	04/13/07	0	0	100%		40	39	
	Perform Aquifer Test	CH2	16	04/09/07 A	04/27/07 A	04/09/07	04/27/07	1	0	100%		41	39	42
	Establish Aquifer Parameters	CH2	30	04/30/07 A	06/25/07 A	04/30/07	06/25/07	0	0	100%		42	41	155
	Prepare ground water monitoring plan		33	12/04/06 A	01/17/07 A	12/04/06	01/17/07	0	0		164			
	Prepare ground water monitoring plan	CH2	33	12/04/06 A	01/17/07 A	12/04/06	01/17/07	0	0	100%		35		
	Prepare Groundwater Monitoring Workplan	CH2	33	12/04/06 A	01/17/07 A	12/04/06	01/17/07	0	0	100%		36	28	38, 39
	Install ground water monitoring wells		30	01/29/07 A	03/23/07 A	01/29/07	03/23/07	0	0		151			
	Install ground water monitoring wells	CH2	20	01/29/07 A	02/23/07 A	01/29/07	02/23/07	0	0	100%		37		
	Install Aquifer Test Wells	CH2	20	01/29/07 A	02/23/07 A	01/29/07	02/23/07	0	0	100%		39	36, 19	41
	Install Groundwater Monitoring Wells (Bias Wells)	CH2	15	02/05/07 A	02/23/07 A	02/05/07	02/23/07	0	0	100%		38	19, 34	40, 43
	Meteorological Data Acquisition		410	07/17/06 A	01/28/08	07/17/06	01/29/08	-1	81		172			
	Meteorological Data Acquisition	CH2	410	07/17/06 A	01/28/08	07/17/06	01/29/08	-1	81	80%	7	44		

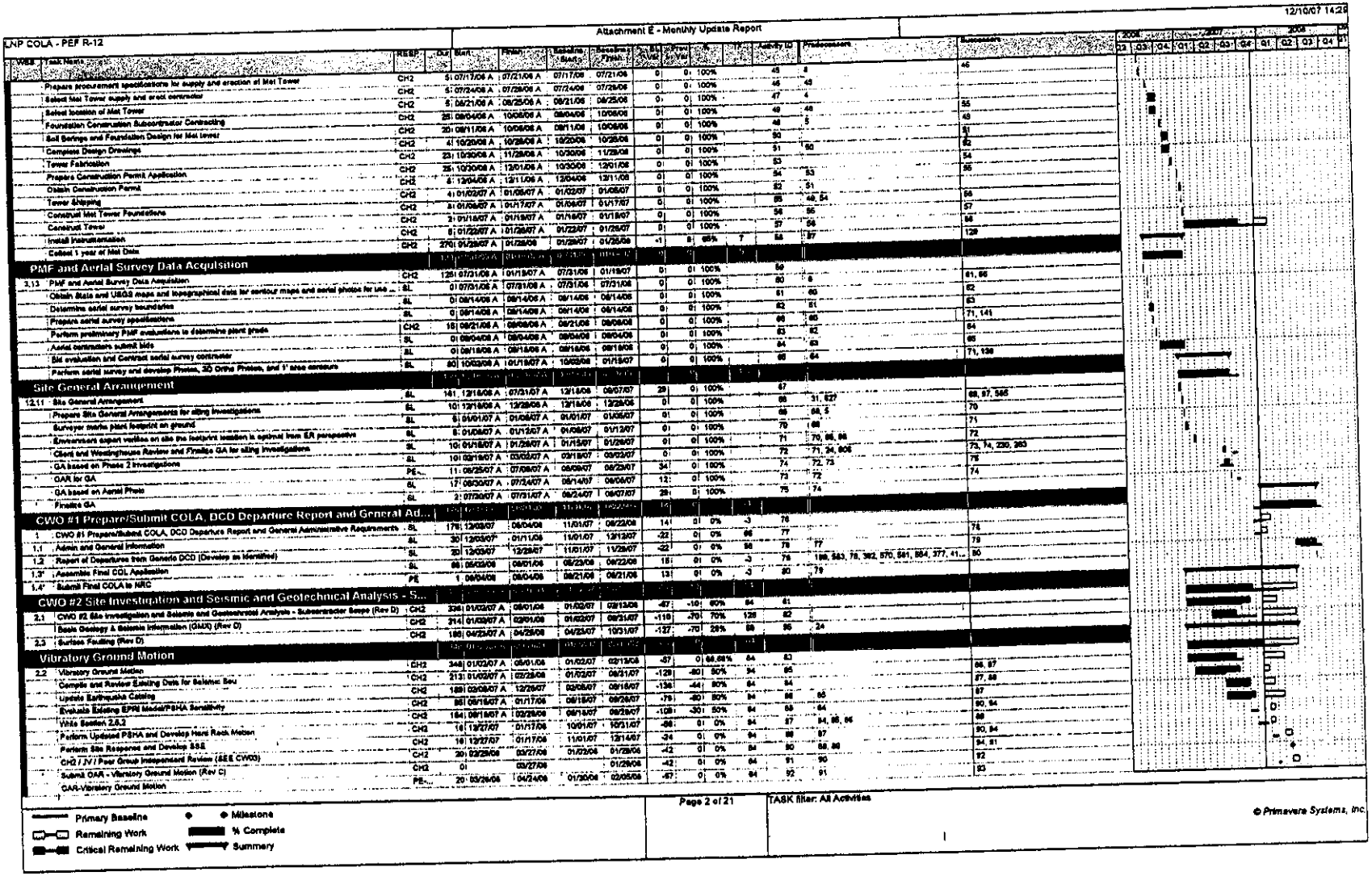
2006 Q2 Q3 Q4 | 2007 Q1 Q2 Q3 Q4 | 2008 Q1 Q2 Q3 Q4 | 20

Primary Baseline ◆ Milestone
Remaining Work % Complete
Critical Remaining Work Summary

TASK filter: All Activities

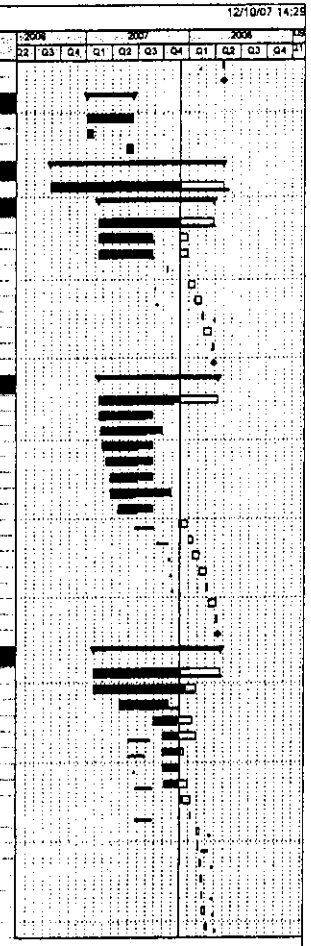
© Primavera Systems, Inc.

[1] CONFIDENTIAL



CONFIDENTIAL

LWBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var	Prev Var	%	TF	Activity ID	Predecessors	Successors
	Receive and Incorporate OAR Comments- Vibratory Ground Motion Report	CH2	5	04/25/08	05/01/08	02/06/08	02/12/08	-57	0	0%	64	93	92	94
	Issue Finalize Vibratory Ground Motion Report (Rev 0)	CH2	0		05/01/08		02/13/08	-57	0	0%	64	94	86, 88, 92, 90	
	Stability Of Subsurface Materials & Foundations		117	01/03/07 A	06/15/07 A	01/03/07	06/15/07	0	0			1111		
2.4	Stability Of Subsurface Materials & Foundations	CH2	117	01/03/07 A	06/15/07 A	01/03/07	06/15/07	0	0	100%		96		
2.7	Workplan	CH2	19	01/03/07 A	01/29/07 A	01/03/07	01/29/07	0	0	100%		97	66	
	Phase 2 Field Work Decision	CH2	19	05/23/07 A	06/15/07 A	05/23/07	06/15/07	0	0	100%		98		
	FSAR Chapter 2 - Site Characteristics In-house Scope		440	06/28/06 A	06/01/08	06/28/06	06/20/08	13	1		64	1111		
3	FSAR Chapter 2 - Site Characteristics in-house Scope	CH2	440	06/28/06 A	06/01/08	06/28/06	06/20/08	13	1	75.23%	64	99		
	Geography & Demography		284	03/12/07 A	03/27/08	03/12/07	04/03/08	5	0		22	1111		
3.1	Geography & Demography FSAR 2.1	CH2	284	03/12/07 A	03/27/08	03/12/07	04/03/08	5	0	71.43%	22	100		
	Site Location & Description	CH2	220	03/12/07 A	12/28/07	03/12/07	08/30/07	-66	-101	80%	7	101	13	102, 103, 107, 102.1
	Population Distribution	CH2	220	03/12/07 A	12/28/07	03/12/07	08/30/07	-66	-101	80%	7	102	101	103, 567.1, 560.1, 562.1
	Pathways Input (RFI-281) to WP	CH2	1	10/16/07 A	12/03/07				-32	0%	26	102.1	101	103, 567.1, 560.1, 562.1
	Tech/Licensing Review	CH2	19	12/31/07	01/21/08	08/31/07	09/06/07	-97	0	0%	22	103	101, 102, 102.1	104
	Incorp. Senior Review Comments	CH2	19	01/22/08	02/14/08	09/07/07	09/13/07	-110	0	0%	22	104	103	105
	Tech Edit / Submit OAR FSAR Section 2.1 (Rev C)	CH2	9	02/15/08	02/27/08	02/28/08	04/03/08	30	0	0%	22	105	104, 127, 132	845
	OAR FSAR 2.1	PE	20	02/23/08	03/20/08				0	0%	22	845	105	695
	Incorp OAR Comments	CH2	5	03/21/08	03/27/08				0	0%	22	695	845	823
	Issue Final FSAR 2.1 (Rev 0)	CH2	0		03/27/08				0	0%	22	823	695	79
	Site Characteristics - nearby facilities		308	02/12/07 A	06/16/08	02/12/07	11/06/07	-112	0		10	1111		
3.2	Site Characteristics - nearby facilities FSAR 2.2	CH2	308	02/12/07 A	04/14/08	02/12/07	11/06/07	-112	0	66.89%	10	106		
	Locations & Routes	CH2	226	02/12/07 A	08/24/07 A	02/12/07	07/31/07	-17	87	100%		107	101, 266	108
	Descriptions of all Facilities within 5 mls	CH2	221	02/19/07 A	08/24/07 A	02/19/07	07/31/07	-42	82	100%		108	107	109
	Pipelines	CH2	214	02/26/07 A	08/24/07 A	02/26/07	08/29/07	-38	85	100%		109	108	110
	Waterways	CH2	202	03/12/07 A	08/24/07 A	03/12/07	08/29/07	-39	83	100%		110	109	111
	Airports	CH2	192	03/26/07 A	08/24/07 A	03/26/07	08/29/07	-38	83	100%		111	110	112
	CH to Identify Site-specific Hazards to WP (COL Item 2.2-1)	CH2	214	03/26/07 A	10/31/07 A	03/26/07	08/29/07	-91	57	100%		113	112	114, 366
	Projections for Industrial Growth	CH2	172	04/23/07 A	08/24/07 A	04/23/07	08/29/07	-38	83	100%		112	111	113
	Evaluation Of Potential Accidents	WP	36	11/26/07 A	12/28/07	08/22/07	08/30/07	-67	13	30%	10	114	113	116, 366
	Prepare Draft FSAR Section 2.2	CH2	13	12/31/07	01/16/08	08/10/07	10/18/07	-64	0	0%	10	116	114	117, 132
	Tech/Licensing Review	CH2	15	01/17/08	02/06/08	10/19/07	10/25/07	-74	0	0%	10	117	116	118
	Incorp. Senior Review Comments	CH2	16	02/07/08	02/26/08	10/26/07	11/01/07	-87	0	0%	10	118	117	119
	Tech Edit / Submit OAR FSAR Section 2.2 (Rev C)	CH2	5	03/04/08	03/10/08	11/02/07	11/08/07	-87	0	0%	10	119	118	695
	OAR FSAR 2.2	PE	20	03/11/08	04/07/08				0	0%	10	695	119	678
	Incorp OAR Comments	CH2	5	04/08/08	04/14/08				0	0%	10	875	695	643
	Issue Final FSAR 2.2 (Rev 0)	CH2	0		04/14/08				0	0%	10	643	875	79
	Meteorology		330	01/29/07 A	06/16/08	01/29/07	08/24/08	3	9		72	1111		
3.3	Meteorology FSAR 2.3	CH2	330	01/29/07 A	04/21/08	01/29/07	04/24/08	3	9	69.36%	72	120		
	Onsite Data Collection (1yr)	CH2	270	01/29/07 A	01/28/08	01/29/07	01/25/08	-1	9	90%	27	122	121	126, 572
	Collect local meteorological data from existing sites (Onsite data at 3, 6 and 9 months will be eval...	CH2	200	04/30/07 A	12/04/07	04/30/07	11/30/07	-2	43	80%	27	121		122
	Prepare Draft FSAR Section 2.3	CH2	90	08/31/07 A	01/15/08	08/27/07	11/21/07	-39	78	88%	11	128	126, 127	124, 221, 251, 564
	Local Meteorology (COL Item 2.3-2)	CH2	56	10/01/07 A	01/28/08	08/31/07	08/16/07	-117	-30	90%	132	123		124
	Regional Climatology (COL Item 2.3-1)	CH2	56	10/01/07 A	12/14/07	08/31/07	07/31/07	-98	1	90%	163	124	123	
	CH Provide Onsite Meteorological Data Input for CH/Q to WP	CH2	5	10/01/07 A	12/04/07	08/16/07	08/22/07	-117	-42	90%	6	125	122	127, 126.1
	Long-Term Diffusion Estimates (COL Item 2.3-3)	CH2	31	10/09/07 A	12/31/07	08/25/07	08/24/07	-91	-30	80%	6	127	125	105, 126, 268.1, 560.1
	LNG-VES-GEL-001 (CR/VQ)<1yr & LNG-000-GLC-002 (EAB/LDE X/Q)<1yr	WP	20	11/30/07 A	01/08/08				-6	30%	11	126.1	126	126
	Short-Term Diffusion Estimates (COL Item 2.3-4)	WP	1	01/08/08	01/08/08	08/25/07	08/24/07	-98	0	0%	11	128	128.1	126, 575, 292.1
	CH Provide Site Meteorological Data Input for Revised CH/Q to WP	CH2	7	02/01/08	02/11/08	03/14/08	03/20/08	28	0	0%	5	130	129	172, 131.1
	Update Meteorological Data for Actual Site Data	CH2	9	02/04/08	02/08/08	02/18/08	03/13/08	24	0	0%	3	129	56	130, 564
	Revise Long-Term Diffusion Estimates (COL Item 2.3-3)	CH2	5	02/11/08	02/15/08	03/21/08	03/27/08	28	0	0%	7	132	130, 116	105, 133, 268.2, 562.1
	Update LNG-VES-GEC-001 (CR/VQ) & LNG-0000-GLC-002 (EAB/LDE X/Q)	WP	5	02/12/08	02/18/08				0	0%	5	131.1	130	131
	Revise Short-Term Diffusion Estimates (COL Item 2.3-4)	WP	1	02/18/08	02/18/08	03/21/08	03/27/08	27	0	0%	5	131	131.1	133, 576, 292.2
	Revise Draft FSAR Section 2.3	CH2	9	02/20/08	03/03/08	03/28/08	04/03/08	23	0	0%	5	133	131, 132	134
	Senior Review/Validation	CH2	9	03/04/08	03/10/08	04/04/08	04/10/08	23	0	0%	5	134	126, 133	136



Primary Baseline | Milestone | Remaining Work | % Complete | Critical Remaining Work | Summary

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

12/10/07 14:28

LNP COLA - PEF R-12

Attachment E - Monthly Update Report

WBS	Task Name	RESP	Du	Start	Finish	Baseline Start	Baseline Finish	SV	Prev %	%	Activity ID	Predecessors	Successors
	Incorp. Senior Review Comments	CH2	5	03/11/08	03/17/08	04/11/08	04/17/08	23	0	0%	5	135	134
	Tech Edit / Submit OAR Meteorology Section 2.3 (Rev C)	CH2	5	03/18/08	03/24/08	04/18/08	04/24/08	23	0	0%	6	136	135
	OAR FSAR 2.3	PE	10	03/25/08	04/07/08				0	0%	5	865	136
	Incorp OAR Comments	CH2	10	04/08/08	04/21/08				0	0%	5	865	865
*	Issue Final FSAR 2.3 (Rev 0)	CH2	0		04/21/08				0	0%	5	863	865
	Hydrology		421	08/28/06 A	05/01/08				0				79
	Hydrology FSAR 2.4	CH2	438	08/28/06 A	05/01/08	08/28/06	05/27/08	-25	0	75.17%	84	137	
	Floods (COL Item 2.4-2)	CH2	436	08/28/06 A	01/28/08	08/28/06	09/27/06	42	83	80%	17	139	13
2.4	Hydrological Description (COL Item 2.4-1)	CH2	223	01/22/07 A	12/20/07	01/22/07	04/29/07	-91	-16	80%	17	134	13, 85
	Water Quality Lab Report	CH2	190	04/30/07 A	12/21/07	04/30/07	09/27/06	86	20	50%	28	153	43
	Groundwater (COL Item 2.4-1)	CH2	85	07/02/07 A	12/06/07	05/31/07	08/06/07	-66	-29	60%	17	155	42
	Provide Input to WP (RFI 280)	CH2	5	10/15/07 A	11/09/07 A				-26	100%		155.1	155
	Prepare Draft FSAR Section 2.4	CH2	13	10/22/07 A	02/06/08	12/24/07	01/14/08	-19	5	25%	-3	157	155, 156, 138, 139, 145, 154, 596
	Cooling Water Supply (COL Item 2.4-3)	CH2	28	10/29/07 A	01/28/08	08/31/07	10/26/07	-66	-38	0%	-1	164	817
	Flood Protection Emergency Operations Procedures (COL Item 2.4-6)	CH2	20	11/01/07 A	01/21/08	11/30/07	12/27/07	-17	-38	0%	11	166	136, 153, 164, 155, 148
	Senior Review	CH2	9	02/11/08	02/21/08	01/15/08	01/28/08	-18	0	0%	-3	164	157
	Accidental Release of Liquid Effluents into Ground and Surface Water (COL Item 2.4-8)	WP	16	02/18/08*	03/28/08	10/08/07	11/30/07	-65	0	0%	36	152	874
	Incorp. Senior Review Comments	CH2	20	02/22/08	03/20/08	01/29/08	02/11/08	-29	0	0%	-3	159	154
	Tech Edit / Submit OAR FSAR Section 2.4 (Rev C)	CH2	5	03/21/08	03/27/08	02/12/08	02/25/08	-23	0	0%	-3	160	152, 159
	OAR FSAR 2.4	PE	20	03/28/08	04/24/08				0	0%	-3	705	160
	Incorp OAR Comments	CH2	5	04/25/08	05/01/08				0	0%	-3	715	705
*	Issue Final FSAR 2.4 (Rev 0)	CH2	0		05/01/08				0	0%	-3	863	715
	Probable Maximum Hurricane (PMH) Calc		82	09/27/07 A	03/06/08	08/28/06	03/27/08	36	4	7.89%	125	148	
	PMH	CH2	6	09/27/07 A	10/31/07	09/10/07	09/14/07	-76	91	0%	126	148A	148
	Create PMH Calc	CH2	12	10/15/07 A	11/30/07 A	07/30/07	08/24/07	-88	24	100%		147	
	Preliminary PMH	CH2	5	10/03/07*	10/07/07	08/27/07	08/31/07	-70	0	0%	0	148	147
	Comments on Preliminary PMH	CH2	10	12/10/07	12/21/07	08/03/07	08/07/07	-76	0	0%	126	148	148
	Prep Final PMH	CH2	5	01/02/08*	01/08/08	08/17/07	08/21/07	-90	0	0%	125	149B	149A
	Verify PMH Calc	CH2	10	01/10/08	01/23/08	11/01/07	11/08/07	-53	0	0%	125	149C	149B
	Prepare Table & Figures - PMH Calc	CH2	10	01/24/08	02/06/08	11/12/07	11/16/07	-64	0	0%	125	149D	149C
	Prepare Text - PMH Calc												
	Probable Maximum Flood (PMF) Calc		232	07/24/07 A	03/06/08	08/28/06	03/27/08	37	-10	78.74%	126	142	
	PMF	CH2	5	07/24/07 A	01/08/08	07/16/07	07/20/07	-122	-12	0%	136	187A	148
	Create PMF Calc Pkg	CH2	5	08/08/07 A	02/06/08				-105	0%	126	187C	187B
	Prepare Table & Figures - PMF Calc	CH2	175	10/16/07 A	11/30/07 A	09/05/07	08/29/07	-109	-19	100%		143	140,5, 141
	Preliminary PMF (Model)	CH2	5	10/17/07 A	02/06/08				-27	0%	126	187D	187C
	Prepare Text - PMF Calc	CH2	5	12/05/07	12/07/07	07/02/07	07/06/07	-110	0	0%	24	144	143
	Comment on Prelim PMF (Model)	CH2	15	12/10/07	12/31/07	07/09/07	07/13/07	-121	0	0%	24	146	144
	Prep Final PMF (Model)	CH2	10	01/08/08	01/22/08	07/23/07	07/27/07	-127	0	0%	136	187B	187A
	Verify PMF Calc Pkg												
	Probable Maximum Participation (PMP) Calc		10	08/28/06 A	09/06/06 A	08/28/06	09/06/06	0	0	100%		141	86
	Probe PMP (Initial)	CH2	342	08/28/06 A	12/31/07	02/19/07	04/13/07	-186	-8	93.86%	152	140	
	PMP Calc Package - Summary	CH2	40	02/19/07 A	04/13/07 A				0	100%		140,6	143
	PMP Site Drainage Calc	CH2	6	04/02/07 A	12/14/07				21	0%	152	141D	141E
	Prepare Table & Figures - PMP Site Drainage Calc	CH2	7	04/06/07 A	04/13/07 A				173	100%		141A	141B
	Prep Final PMP Site Drainage Calc	CH2	5	05/11/07 A	08/15/07 A				156	100%		141B	141A
	Create PMP on Site Drainage Calc Pkg	CH2	10	08/06/07 A	12/31/07				-94	0%	152	141E	141D
	Prepare Text - PMP Site Drainage Calc	CH2	10	12/03/07	12/14/07				0	0%	153	141C	141B
	Verify PMP on Site Drainage Calc Pkg												
	Local Probable Maximum Participation (PMP) Calc		40	07/02/07 A	11/30/07 A				41	100%		1101	1102
	Collect Data	CH2	52	07/30/07 A	01/28/08				19	18.23%	84	1100	
	PMP 1-Square Mile Calc Package - Summary	CH2	8	11/21/07 A	11/29/07 A				90	100%		1102	1101
	Prepare PMP 1-Square Mile Calc	CH2	7	11/27/07 A	12/14/07				42	0%	84	1103	1102
	Create PMP 1-Square Mile Calc												1104

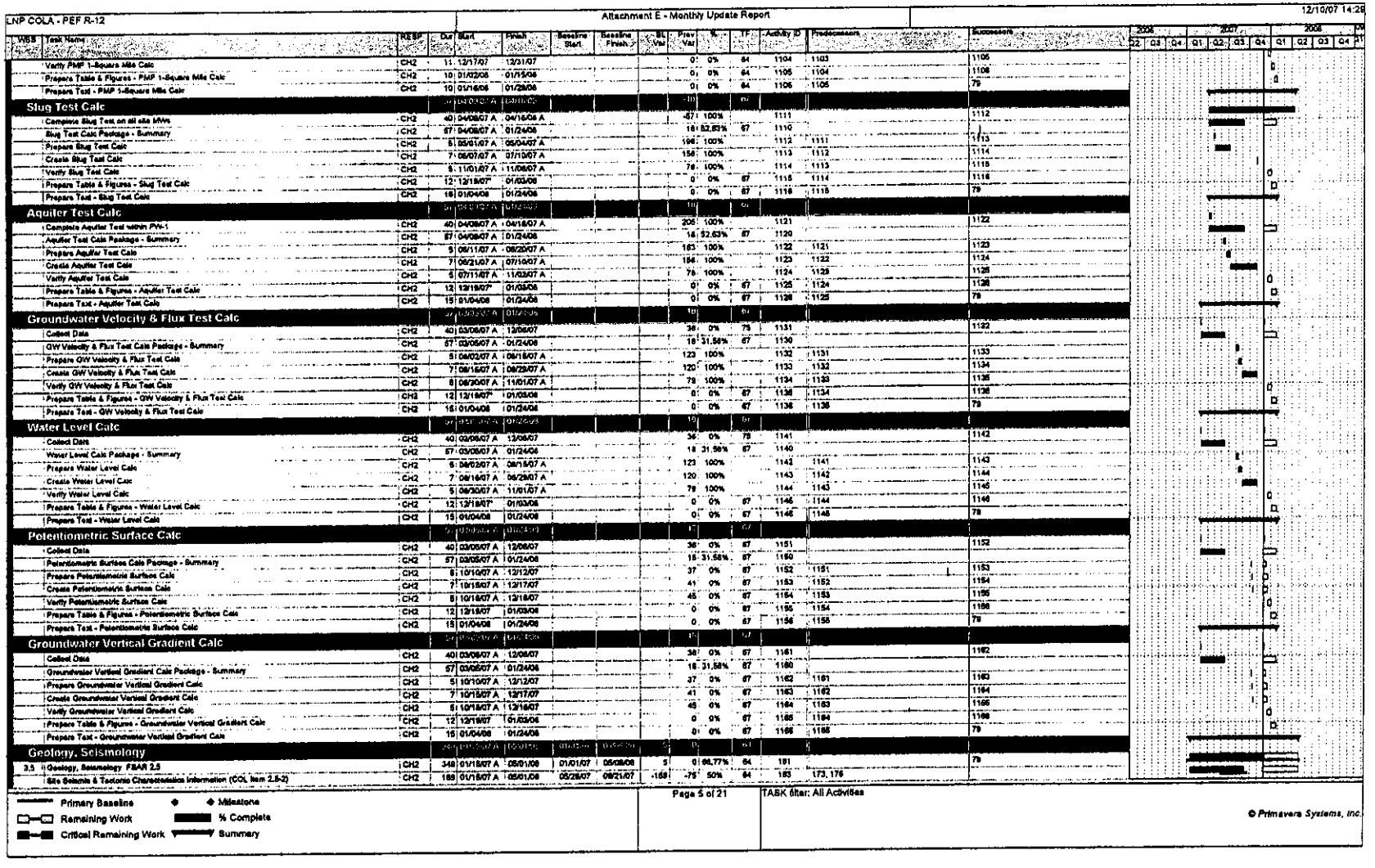
2006 Q2 Q3 Q4 | 2007 Q1 Q2 Q3 Q4 | 2008 Q1 Q2 Q3 Q4

Primary Baseline ◆ Milestone
Remaining Work % Complete
Critical Remaining Work Summary

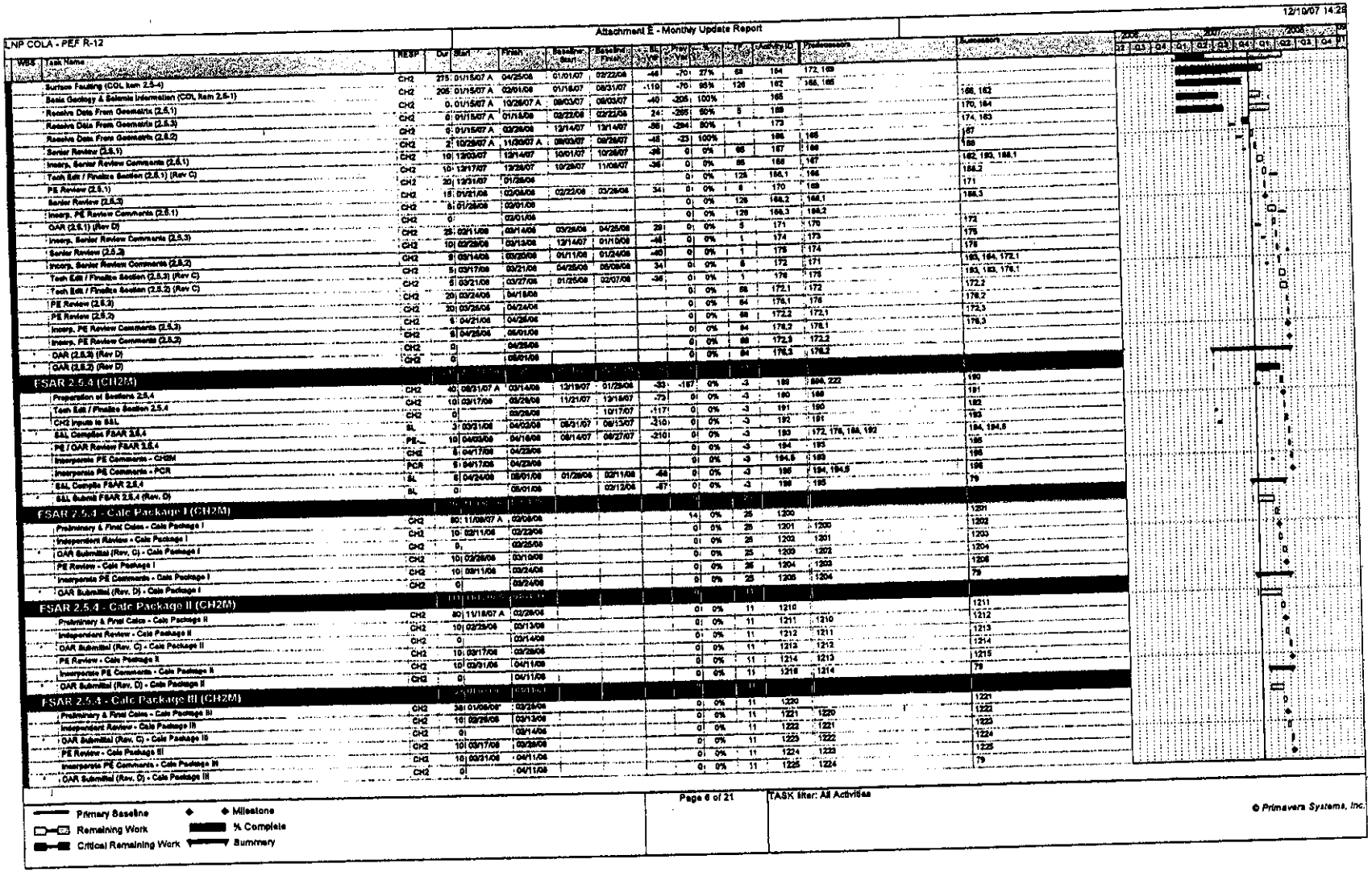
TASK filter: All Activities

© Primavera Systems, Inc.

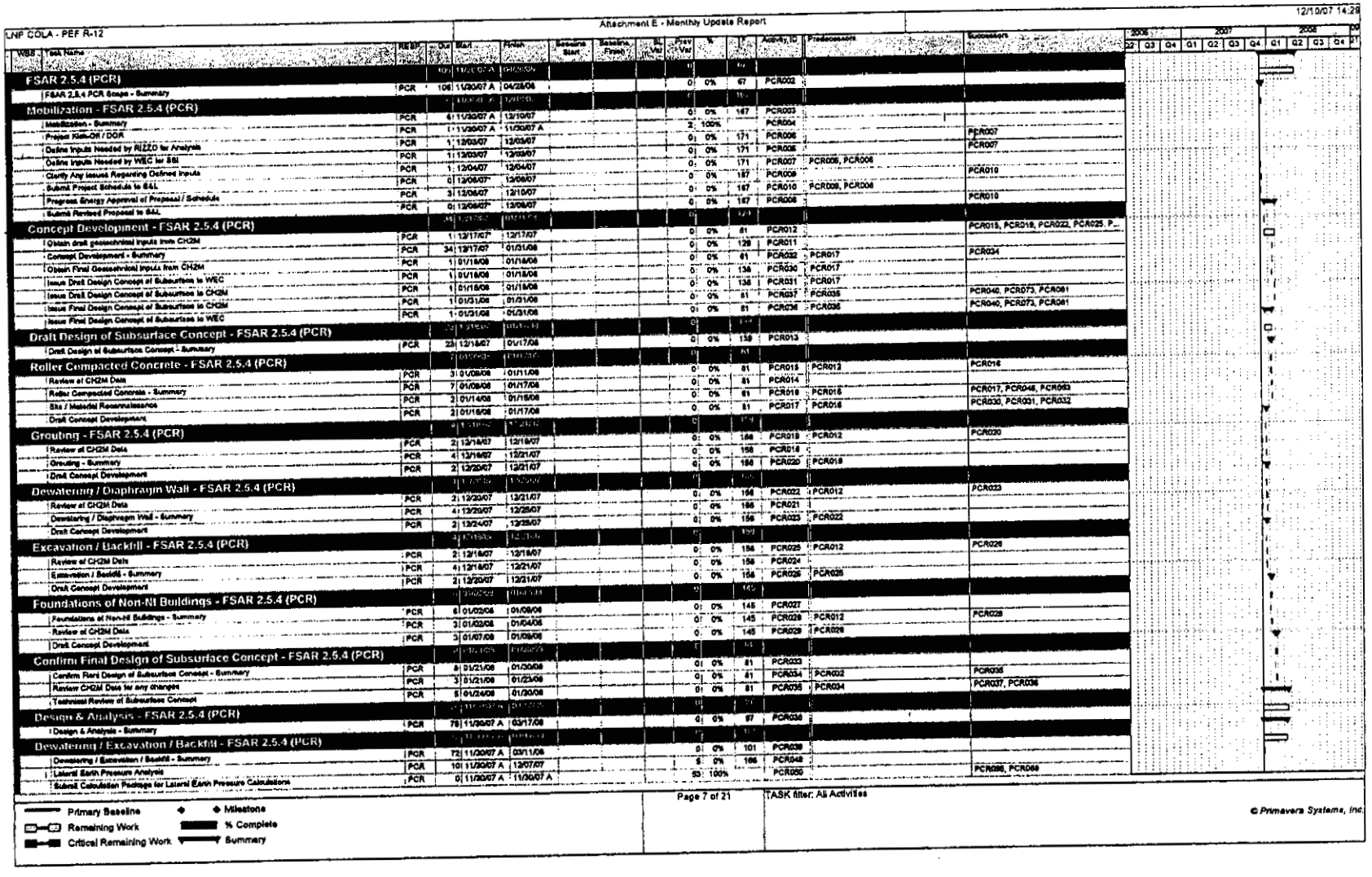
CONFIDENTIAL



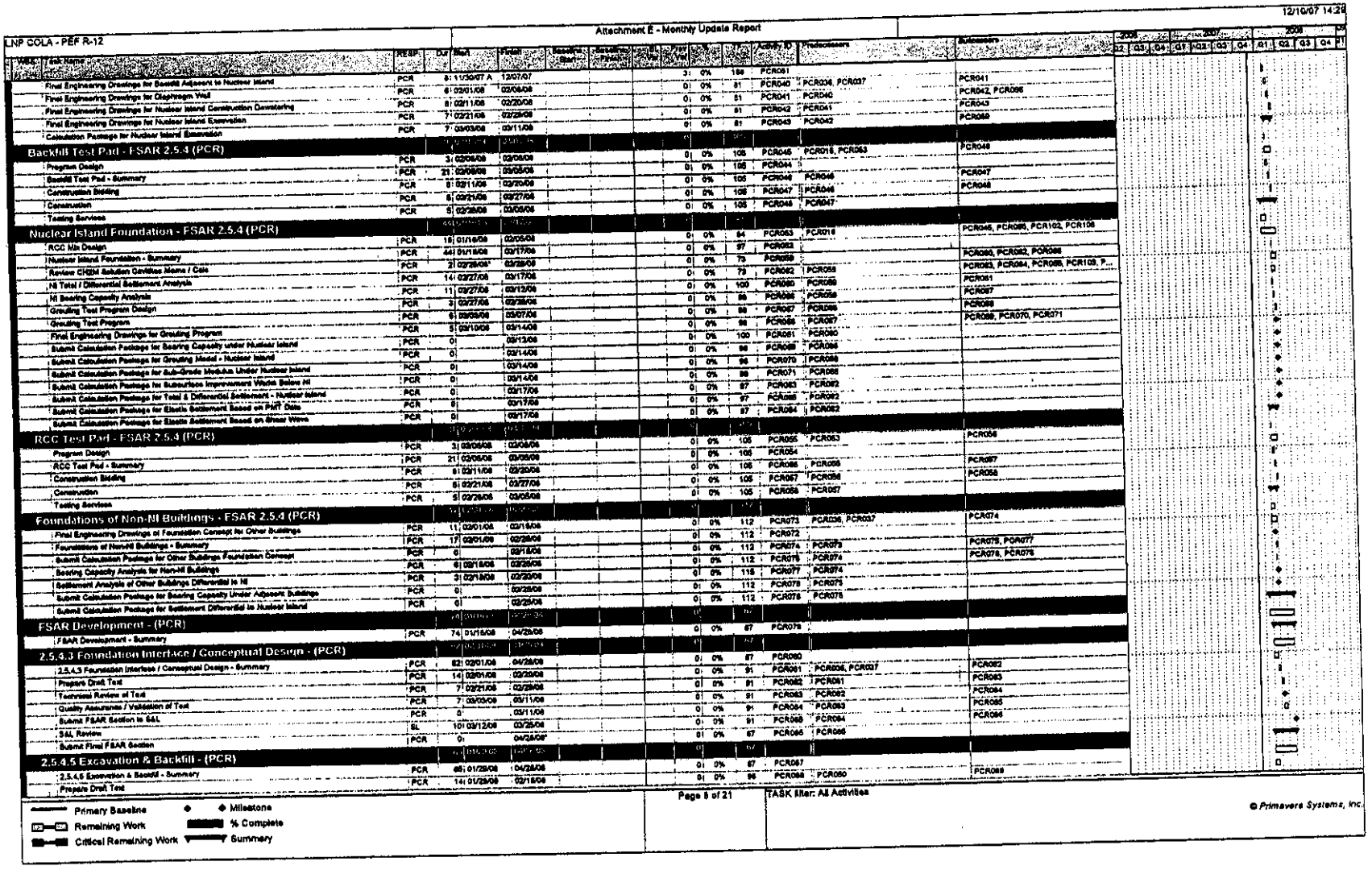
CONFIDENTIAL



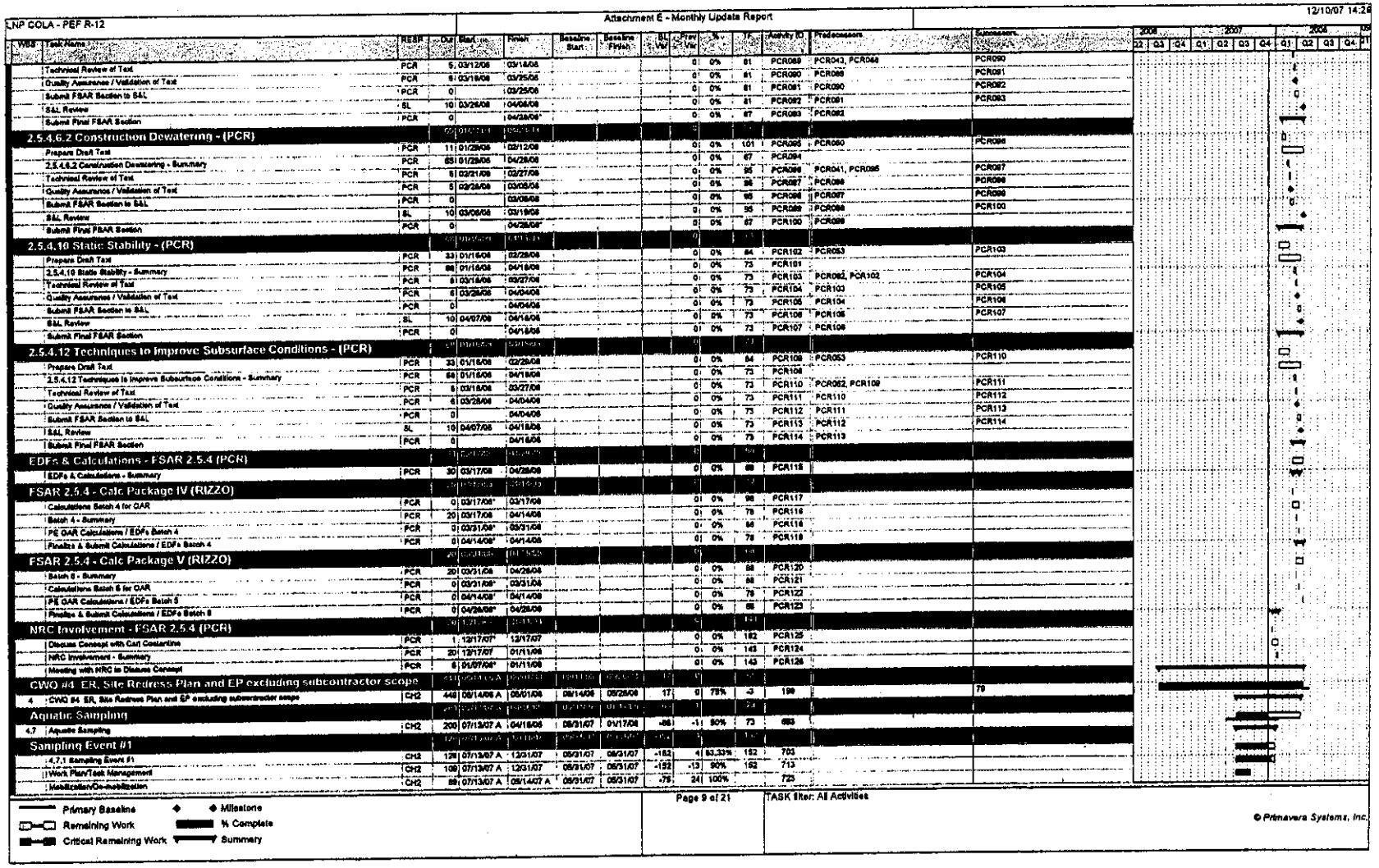
CONFIDENTIAL



CONFIDENTIAL



CONFIDENTIAL



LNP COLA - PEF R-12

Attachment E - Monthly Update Report

12/10/07 14:26

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var	Prev Var	%	TF	Activity ID	Predecessors	Successors
	Technical Review of Text	PCR	5	03/12/08	03/18/08				0	0%	81	PCR089	PCR043, PCR088	PCR090
	Quality Assurance / Validation of Text	PCR	5	03/19/08	03/25/08				0	0%	81	PCR090	PCR089	PCR091
	Submit FSAR Section to S&L	PCR	0		03/25/08				0	0%	81	PCR091	PCR090	PCR092
	S&L Review	SL	10	03/26/08	04/08/08				0	0%	81	PCR092	PCR091	PCR093
	Submit Final FSAR Section	PCR	0		04/28/08*				0	0%	67	PCR093	PCR092	
	2.5.4.6.2 Construction Dewatering - (PCR)													
	Prepare Draft Text	PCR	11	01/29/08	02/12/08				0	0%	101	PCR085	PCR080	PCR086
	2.5.4.6.2 Construction Dewatering - Summary	PCR	65	01/29/08	04/28/08				0	0%	67	PCR094		
	Technical Review of Text	PCR	5	02/21/08	02/27/08				0	0%	95	PCR086	PCR041, PCR095	PCR087
	Quality Assurance / Validation of Text	PCR	5	02/28/08	03/05/08				0	0%	95	PCR087	PCR086	PCR088
	Submit FSAR Section to S&L	PCR	0		03/05/08				0	0%	95	PCR088	PCR087	PCR089
	S&L Review	SL	10	03/06/08	03/19/08				0	0%	95	PCR089	PCR088	PCR100
	Submit Final FSAR Section	PCR	0		04/28/08*				0	0%	67	PCR100	PCR089	
	2.5.4.10 Static Stability - (PCR)													
	Prepare Draft Text	PCR	33	01/16/08	02/28/08				0	0%	84	PCR102	PCR053	PCR103
	2.5.4.10 Static Stability - Summary	PCR	66	01/16/08	04/18/08				0	0%	73	PCR101		
	Technical Review of Text	PCR	5	03/14/08	03/27/08				0	0%	73	PCR103	PCR082, PCR102	PCR104
	Quality Assurance / Validation of Text	PCR	5	03/28/08	04/04/08				0	0%	73	PCR104	PCR103	PCR105
	Submit FSAR Section to S&L	PCR	0		04/04/08				0	0%	73	PCR105	PCR104	PCR106
	S&L Review	SL	10	04/07/08	04/18/08				0	0%	73	PCR106	PCR105	PCR107
	Submit Final FSAR Section	PCR	0		04/18/08				0	0%	73	PCR107	PCR106	
	2.5.4.12 Techniques to Improve Subsurface Conditions - (PCR)													
	Prepare Draft Text	PCR	33	01/16/08	02/28/08				0	0%	84	PCR108	PCR053	PCR110
	2.5.4.12 Techniques to Improve Subsurface Conditions - Summary	PCR	66	01/16/08	04/18/08				0	0%	73	PCR109		
	Technical Review of Text	PCR	5	03/14/08	03/27/08				0	0%	73	PCR110	PCR082, PCR108	PCR111
	Quality Assurance / Validation of Text	PCR	5	03/28/08	04/04/08				0	0%	73	PCR111	PCR110	PCR112
	Submit FSAR Section to S&L	PCR	0		04/04/08				0	0%	73	PCR112	PCR111	PCR113
	S&L Review	SL	10	04/07/08	04/18/08				0	0%	73	PCR113	PCR112	PCR114
	Submit Final FSAR Section	PCR	0		04/18/08				0	0%	73	PCR114	PCR113	
	EDFs & Calculations - FSAR 2.5.4 (PCR)													
	EDFs & Calculations - Summary	PCR	30	03/17/08	04/28/08				0	0%	88	PCR116		
	FSAR 2.5.4 - Calc Package IV (RIZZO)													
	Calculations Batch 4 for QAR	PCR	0	03/17/08*	03/17/08				0	0%	98	PCR117		
	Batch 4 - Summary	PCR	20	03/17/08	04/14/08				0	0%	78	PCR118		
	PE QAR Calculations / EDFs Batch 4	PCR	0	03/31/08*	03/31/08				0	0%	98	PCR119		
	Finalize & Submit Calculations / EDFs Batch 4	PCR	0	04/14/08*	04/14/08				0	0%	78	PCR118		
	FSAR 2.5.4 - Calc Package V (RIZZO)													
	Batch 5 - Summary	PCR	20	03/31/08	04/28/08				0	0%	88	PCR120		
	Calculations Batch 5 for QAR	PCR	0	03/31/08*	03/31/08				0	0%	88	PCR121		
	PE QAR Calculations / EDFs Batch 5	PCR	0	04/14/08*	04/14/08				0	0%	78	PCR122		
	Finalize & Submit Calculations / EDFs Batch 5	PCR	0	04/28/08*	04/28/08				0	0%	88	PCR123		
	NRC Involvement - FSAR 2.5.4 (PCR)													
	Discuss Concept with Carl Costantine	PCR	1	12/17/07*	12/17/07				0	0%	182	PCR125		
	NRC Involvement - Summary	PCR	20	12/17/07	01/11/08				0	0%	143	PCR124		
	Meeting with NRC to Discuss Concept	PCR	0	01/07/08*	01/11/08				0	0%	143	PCR126		
	CWO #4 ER, Site Redress Plan and EP excluding subcontractor scope													
4	CWO #4 ER, Site Redress Plan and EP excluding subcontractor scope	CH2	448	08/14/06 A	05/01/08	08/14/06	05/26/08	17	0	75%	-3	199		79
	Aquatic Sampling													
4.7	Aquatic Sampling	CH2	200	07/13/07 A	04/18/08	08/31/07	01/17/08	-466	-1	80%	73	683		
	Sampling Event #1													
	4.7.1 Sampling Event #1	CH2	128	07/13/07 A	12/31/07	08/31/07	08/31/07	-152	4	83.33%	152	703		
	Work Plan/Task Management	CH2	109	07/13/07 A	12/31/07	08/31/07	08/31/07	-152	-13	90%	152	713		
	Mobilization/De-mobilization	CH2	88	07/13/07 A	08/14/07 A	08/31/07	08/31/07	-79	24	100%		723		

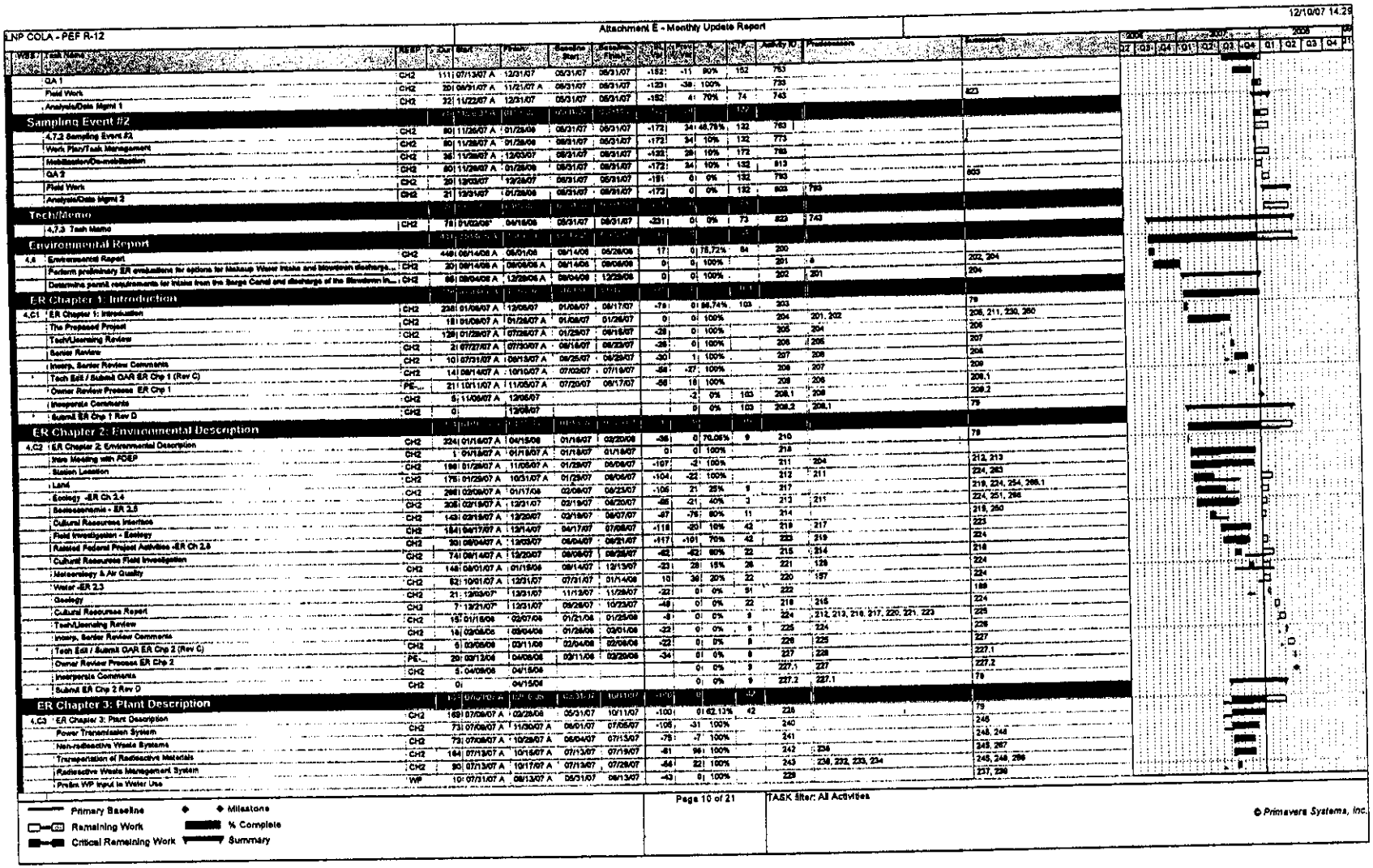
2006 Q2 Q3 Q4 | 2007 Q1 Q2 Q3 Q4 | 2008 Q1 Q2 Q3 Q4

Primary Baseline ◆ Milestone
Remaining Work % Complete
Critical Remaining Work Summary

TASK filter: All Activities

© Primavera Systems, Inc.

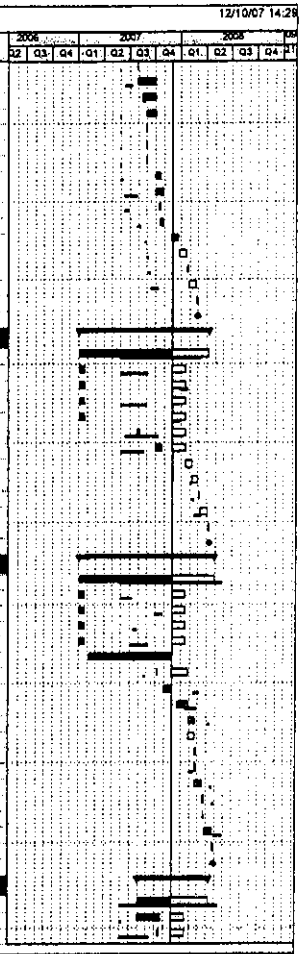
CONFIDENTIAL



CONFIDENTIAL

LNP COLA - PEF R-12 | Attachment E - Monthly Update Report | 12/10/07 14:29

WBS	Task Name	RSP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var	Prev Var	%	TF	Activity ID	Predecessors	Successors
	WP Input to Reactor Power Conversion System	WP	0	07/31/07 A	07/31/07 A	05/31/07	05/31/07	-43	0	100%		235		236
	WP Input, ER Text	WP	67	07/31/07 A	10/05/07 A	09/15/07	07/12/07	-60	36	100%		238		242, 243, 245
	WP Final Water Use Input	WP	61	08/17/07 A	10/05/07 A	08/17/07	08/23/07	-30	46	100%		239	229	245, 246
	WP Provide CH w/ Input on Plant Cooling System	WP	0	08/31/07 A	10/05/07 A	08/31/07	05/31/07	-91	-291	100%		231		244
	WP Provide CH w/ Input on Source Terms for Liquid Rad Waste	WP	0	08/31/07 A	08/31/07 A	05/31/07	08/31/07	-66	0	100%		232		233, 234, 243
	WP Provide CH w/ Input on Source Terms for Gas Rad Waste	WP	0	08/31/07 A	08/31/07 A	05/31/07	05/31/07	-66	0	100%		233	232	243
	WP Provide CH w/ Input on Source Terms for Solid Rad Waste	WP	0	08/31/07 A	08/31/07 A	05/31/07	08/31/07	-66	0	100%		234	232	243
	Reactor Power Conversion System	CH2	23	10/01/07 A	10/15/07 A	05/31/07	09/06/07	-94	51	100%		236	235	237, 245, 250
	Plant Water Use	CH2	30	10/01/07 A	10/31/07 A	09/14/07	07/26/07	-68	30	100%		237	229, 236	244, 245
	External Appearance and Plant Layout	CH2	7	10/14/07 A	10/19/07 A	09/14/07	09/27/07	-41	15	100%		230	72, 204, 236	248
	Cooling System	CH2	10	10/17/07 A	10/26/07 A	07/26/07	08/06/07	-57	12	100%		244	231, 237	245, 270
	Tech/Licensing Review	CH2	18	11/26/07 A	12/21/07	09/24/07	09/30/07	-61	17	76%	42	245	230, 236, 237, 238, 239, 240, 241, 242, 2...	246
	Incorp. Senior Review Comments	CH2	20	12/24/07	01/18/08	09/21/07	09/06/07	-66	0	0%	42	246	246	247
	Tech Edit / Submit OAR ER Chp 3 (Rev C)	CH2	5	01/21/08	01/25/08	09/07/07	09/13/07	-86	0	0%	42	247	246	248
	Owner Review Process Chp 3	PE-...	20	01/28/08	02/22/08	09/14/07	10/11/07	-96	0	0%	42	248	239, 241, 243, 247	248.1
	Incorporate Comments	CH2	4	02/25/08	02/28/08				0	0%	42	248.1	248	248.2
	Submit ER Chp 3 Rev D	CH2	0		02/28/08				0	0%	42	248.2	248.1	79
	ER Chapter 4: Environmental Effects of Construction								0		11			
4.C4	ER Chapter 4: Environmental Effects of Construction	CH2	334	01/02/07 A	04/11/08	05/31/07	03/13/08	-31	0	71.86%	11	249		79
	Water-Related Impacts	CH2	66	01/02/07 A	01/15/08	05/31/07	08/06/07	-94	18	5%	11	253	157	256
	Measures & Controls to Limit Adverse Impacts During Construction	CH2	30	01/02/07 A	01/15/08	12/26/07	01/24/08	7	0	5%	11	255	252	256
	Land-Use Impacts	CH2	19	01/02/07 A	01/15/08	08/04/07	08/27/07	-101	-252	5%	11	250	204, 214	256
	Radiation Exposure to Construction Workers	CH2	271	01/02/07 A	01/15/08	11/30/07	12/27/07	-13	0	5%	11	252	251	255, 256
	Ecological Impacts	CH2	136	07/27/07 A	01/15/08	09/18/07	10/11/07	-66	13	5%	11	254	217	256, 276
	Socioeconomic Impacts	CH2	22	10/01/07 A	01/15/08	05/31/07	09/22/07	-104	-33	20%	11	251	213	256, 282
	Tech/Licensing Review	CH2	15	01/15/08	02/05/08	01/25/08	01/31/08	-3	0	0%	11	256	250, 251, 252, 253, 254, 255	257
	Incorp. Senior Review Comments	CH2	18	02/06/08	02/29/08	02/01/08	02/07/08	-16	0	0%	11	257	256	258
	Tech Edit / Submit OAR ER Chp 4 (Rev C)	CH2	5	03/03/08	03/07/08	02/08/08	02/14/08	-16	0	0%	11	258	257	259
	Owner Review Process ER Chp 4	PE-...	20	03/10/08	04/04/08	02/15/08	03/13/08	-16	0	0%	11	259	258	259.1
	Incorporate Comments	CH2	5	04/07/08	04/11/08				0	0%	11	259.1	259	259.2
	Submit ER Chp 4 Rev D	CH2	0		04/11/08				0	0%	11	259.2	259.1	79
	ER Chapter 5: Environmental Effects of Station Operation								0					
4.C5	ER Chapter 5: Environmental Effects of Station Operation	CH2	348	01/02/07 A	04/28/08	05/31/07	05/26/08	20	0	68.26%	67	260		79
	Transmission System Impacts	CH2	30	01/02/07 A	01/15/08	05/31/07	07/11/07	-134	17	5%	2	262	48	267, 271
	Land-Use Impacts	CH2	46	01/02/07 A	01/15/08	10/01/07	10/26/07	-67	0	5%	5	263	72, 212	264, 271, 283
	Radiological Impacts Of Normal Operation	CH2	66	01/02/07 A	01/15/08	07/13/07	07/26/07	-123	29	5%	10	266	243	271
	Cooling System Impacts	CH2	271	01/02/07 A	01/15/08	07/05/07	08/04/07	-95	0	5%	10	270	244	271
	Uranium Fuel Cycle Impacts	CH2	45	02/06/07 A	11/28/07 A	07/16/07	07/16/07	-94	45	100%		267	242, 262	268, 271
	Socioeconomic Impacts	CH2	5	10/11/07 A	01/25/08	08/21/07	08/27/07	-108	-13	0%	2	268	213, 267	271
	Environmental Impacts of Waste	CH2	18	11/01/07 A	11/28/07 A	02/14/08	03/05/08	73	18	100%		265		271
	Water-Related Impacts	CH2	32	12/17/07*	01/28/08	01/15/08	02/28/08	19	0	0%	0	264	263, 157	271, 277
	Tech/Licensing Review	CH2	15	01/29/08	02/19/08	04/08/08	04/14/08	38	0	0%	0	271	262, 263, 264, 265, 266, 267, 270, 268	272
	LNG-0000-NSC-001 (Site Dose)	WP	15	01/30/08*	02/19/08				0	0%	111	269.1	127, 217, 557.1, 560.1	269
	Update LNG-0000-NEC-001 (Site Dose)	WP	8	02/18/08	02/25/08				0	0%	38	269.2	132	269.3
	WP Input Provide Text for ER 5.4	WP	5	02/20/08	02/26/08	01/31/08	02/13/08	-9	0	0%	111	269	557, 558, 559, 560, 269.1	273
	Incorp. Senior Review Comments	CH2	19	02/20/08	03/17/08	04/15/08	04/21/08	25	0	0%	0	272	271	274
	Tech Edit / Submit OAR ER Chp 5 (Rev C)	CH2	5	03/18/08	03/24/08	04/22/08	04/28/08	25	0	0%	0	273	272	274.1
	Update ER 5.4	WP	1	03/21/08*	03/21/08				0	0%	21	269.3	563, 269.2	274.1
	Owner Review Process ER Chp 5	PE-...	20	03/25/08	04/21/08	04/29/08	05/26/08	25	0	0%	0	274	273	274.1
	Incorporate Comments	CH2	5	04/22/08	04/28/08				0	0%	0	274.1	274, 269.3, 562, 563	274.2
	Submit ER Chp 5 Rev D	CH2	0		04/28/08				0	0%	0	274.2	274.1	79
	ER Chapter 6: Environmental Measurement and Monitoring Programs								0		11			
4.C6	ER Chapter 6: Environmental Measurement and Monitoring Programs	CH2	153	09/01/07 A	04/11/08	05/31/07	05/13/08	21	0	48.09%	11	275		79
	Meteorological Monitoring	CH2	46	09/01/07 A	01/15/08	05/31/07	09/06/07	-159	-34	80%	11	281	128	282, 283
	Ecological Monitoring	CH2	68	10/12/07 A	01/16/08	05/31/07	09/12/07	-89	-13	5%	11	278	254	282, 283



Primary Baseline ◆ Milestone
Remaining Work % Complete
Critical Remaining Work Summary

TASK filter: All Activities

© Primavera Systems, Inc.

[!] CONFIDENTIAL

12/10/07 14:28

Attachment E - Monthly Update Report

LNP COLA - PEF R-12

WBS	Task Name	REEP	Dur	Start	Finish	Baseline Start	Baseline Finish	Tot Flt	Fin Var	%	Flt	Activity ID	Predecessors	Successors
	Hydrological Monitoring	CH2	17	12/24/07*	01/15/08	01/02/08	02/19/08	24	0	0%	11	277	155, 264	278, 279, 280, 282, 283
	Thermal Monitoring	CH2	17	12/24/07*	01/15/08	01/02/08	02/19/08	24	0	0%	11	278	277	282, 283
	Radiological Monitoring	CH2	17	12/24/07*	01/15/08	02/19/08	03/18/08	44	0	0%	11	279	277	282, 283
	Chemical Monitoring	CH2	17	12/24/07*	01/15/08	01/02/08	02/19/08	24	0	0%	11	280	277	283
	Summary of Monitoring Programs -ER Ch 5	CH2	17	12/24/07*	01/15/08	02/19/08	03/25/08	48	0	0%	11	282	280, 278, 277, 279, 281	284
	Tech/Licensing Review	CH2	15	01/16/08	02/05/08	03/26/08	04/01/08	38	0	0%	11	283	283, 278, 277, 279, 280, 281, 282	285
	Insorp, Senior Review Comments	CH2	16	02/06/08	02/25/08	04/01/08	04/08/08	28	0	0%	11	284	283	286
*	Tech Edit / Submit OAR ER Chp 6 (Rev C)	CH2	6	02/26/08	03/07/08	04/08/08	04/15/08	28	0	0%	11	285	284	286.1
	Owner Review Process ER Chp 5	PE-...	20	03/10/08	04/04/08	04/15/08	05/13/08	28	0	0%	11	286	285	286.2
	Incorporate Comments	CH2	5	04/07/08	04/11/08				0	0%	11	286.1	285	79
*	Submit ER Chp 5 Rev D	CH2	0		04/11/08				0	0%	11	286.2	286.1	
	ER Chapter 7: Environmental Impacts of Postulated Accidents Involvin...			01/22/07 A	05/01/08	05/01/06	11/09/07	-124	0	71.56%	-3	287		79
4.C7	ER Chapter 7: Environmental Impacts of Postulated Accidents Involving Radioactive Materials	CH2	334	01/22/07 A	05/01/08	05/31/07	09/28/07	-197	-273	6%	11	292	292,1	293, 107
	Design Basis Accident	CH2	2	01/22/07 A	02/05/08	05/31/07	06/28/07	-197	-273	6%	11	292		293
	Transportation Accidents	CH2	17	10/01/07 A	10/18/07 A	07/02/07	08/21/07	-19	26	100%		294		292
	Provide Calculation Documenting DBA Input for ER CH.7 Consistent with FSAR Ch.15	CH2	36	12/21/07*	03/06/08	08/31/07	07/20/07	-145	0	0%	11	291	128	293
	LNG-0000-NSC-002 (DBA)	WP	10	12/27/07	01/08/08				0	0%	11	292,1		293
	Severe Accident	CH2	42	01/02/08*	02/29/08	05/31/07	08/24/07	-134	0	0%	-3	288		293
	Severe Accident Mitigation Alternatives	CH2	42	01/02/08*	02/29/08	05/31/07	08/15/07	-144	0	0%	-3	290		292,3
	Update LNG-0000-NSC-002 (DBA)	WP	6	02/20/08	02/28/08				0	0%	38	292,3	131	294,1
	Update Design Basis Accident	WP	1	02/27/08	02/27/08				0	0%	38	292,3	292,2	294
	Tech/Licensing Review	CH2	6	02/29/08	03/07/08	08/24/07	08/28/07	-518	0	0%	-3	293	288, 289, 290, 291, 292	295
	Insorp, Senior Review Comments	CH2	12	03/10/08	03/25/08	10/01/07	10/05/07	-122	0	0%	-3	294	293	296
*	Tech Edit / Submit OAR ER Chp 7 (Rev C)	CH2	2	03/26/08	03/27/08	10/08/07	10/12/07	-119	0	0%	-3	295	294	296,1
	Owner Review Process ER Chp 7	PE-...	20	03/28/08	04/24/08	10/15/07	11/09/07	-119	0	0%	-3	296	295	296,2
	Incorporate Comments	CH2	5	04/28/08	05/01/08				0	0%	-3	296,1	296, 292,3	79
*	Submit ER Chp 7 Rev D	CH2	0		05/01/08				0	0%	-3	296,2	296,1	
	ER Chapter 8: Need For Power			08/01/07 A	05/01/08	03/19/08	05/01/07	10/19/07	-87	0	72.96%	48	297	79
4.C8	ER Chapter 8: Need For Power	CH2	211	08/01/07 A	03/19/08	05/01/07	10/19/07	-87	0	72.96%	48	297		299, 300, 301, 302, 316
	PE Input on Need For Power	CH2	1	08/01/07 A	11/30/07 A	05/01/07	05/01/07	-154	-153	100%		298		300
	Section 8.1	CH2	58	08/16/07 A	12/04/07	08/04/07	08/21/07	-75	-84	70%	48	299	294	303
	Section 8.2	CH2	58	08/16/07 A	12/04/07	08/04/07	08/21/07	-75	-84	80%	48	300	298	303
	Section 8.3	CH2	58	08/16/07 A	12/04/07	08/04/07	08/21/07	-75	-84	70%	48	301	298	303
	Section 8.4	CH2	58	08/16/07 A	11/07/07 A	08/04/07	08/21/07	-66	-44	100%		302	298	304
	Tech/Licensing Review	CH2	5	12/05/07	12/11/07	08/22/07	08/04/07	-70	0	0%	48	303	299, 300, 301, 302	305
	Insorp, Senior Review Comments	CH2	20	12/12/07	01/08/08	08/05/07	08/11/07	-66	0	0%	49	304	303	306
*	Tech Edit / Submit OAR ER Chp 8 (Rev C)	CH2	5	01/09/08	01/15/08	08/12/07	08/28/07	-79	0	0%	48	305	304	306,1
	Owner Review Process ER Chp 8	PE-...	20	01/16/08	02/12/08	08/27/07	10/19/07	-62	0	0%	48	306	305	306,2
	Incorporate Comments	CH2	5	02/13/08	02/19/08				0	0%	48	306,1	306	79
*	Submit ER Chp 8 Rev D	CH2	0		02/19/08				0	0%	48	306,2	306,1	
	ER Chapter 9: Alternatives to Proposed Action			08/01/07 A	05/01/08	03/24/08	02/11/08	-30	0	52.07%	25	307		79
4.C9	ER Chapter 9: Alternatives to Proposed Action	CH2	169	08/01/07 A	03/24/08	10/01/07	02/11/08	-30	0	52.07%	25	307		313
	No-Action Alternative	CH2	81	08/01/07 A	12/06/07	10/02/07	12/05/07	0	0	80%	38	308	308	313
	Energy Alternatives	CH2	104	08/01/07 A	12/24/07	10/02/07	12/24/07	0	0	5%	26	310	308	313
	Alternative Sites	CH2	104	08/01/07 A	12/24/07	10/02/07	12/24/07	0	0	30%	26	311	308	313
	Alternative Plant and Transmission Systems	CH2	104	08/01/07 A	12/24/07	10/02/07	12/24/07	0	0	18%	26	312	308	308, 310, 311, 312, 313
	PE Input on Alternatives	CH2	1	10/01/07 A	10/01/07 A	10/01/07	10/01/07	1	25	100%		308		314
	Tech/Licensing Review	CH2	16	12/26/07*	01/16/08	12/25/07	12/31/07	-12	0	0%	25	313	308, 309, 310, 311, 312	315
	Insorp, Senior Review Comments	CH2	15	01/17/08	02/11/08	01/01/08	01/07/08	-25	0	0%	25	314	313	316
*	Tech Edit / Submit OAR ER Chp 9 (Rev C)	CH2	5	02/12/08	02/18/08	01/08/08	01/14/08	-25	0	0%	25	315	314	316,1
	Owner Review Process ER Chp 9	PE-...	20	02/19/08	03/17/08	01/15/08	02/11/08	-25	0	0%	25	316	315	316,2
	Incorporate Comments	CH2	5	03/18/08	03/24/08				0	0%	25	316,1	316	79
*	Submit ER Chp 9 Rev D	CH2	0		03/24/08				0	0%	25	316,2	316,1	
	ER Chapter 10: Environmental Consequences of Proposed Action			08/06/07 A	05/01/08	08/14/07	11/29/07	-95	0	34.93%	11	317		79
4.C10	ER Chapter 10: Environmental Consequences of Proposed Action	CH2	146	08/06/07 A	04/11/08	08/14/07	11/29/07	-95	0	34.93%	11	317		

2006 | 2007 | 2008

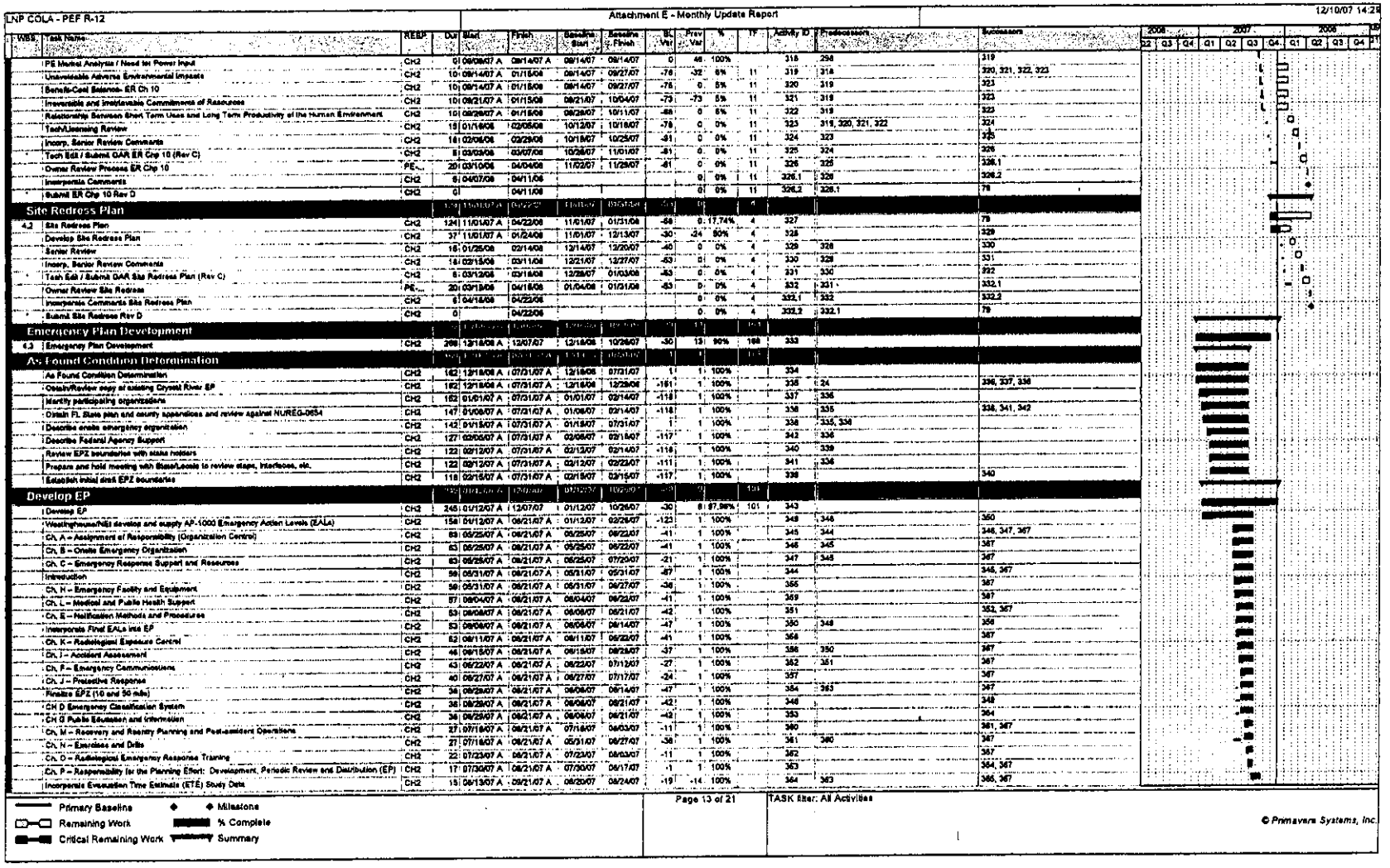
Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4

Primary Baseline ◆ Milestone
Remaining Work % Complete
Critical Remaining Work Summary

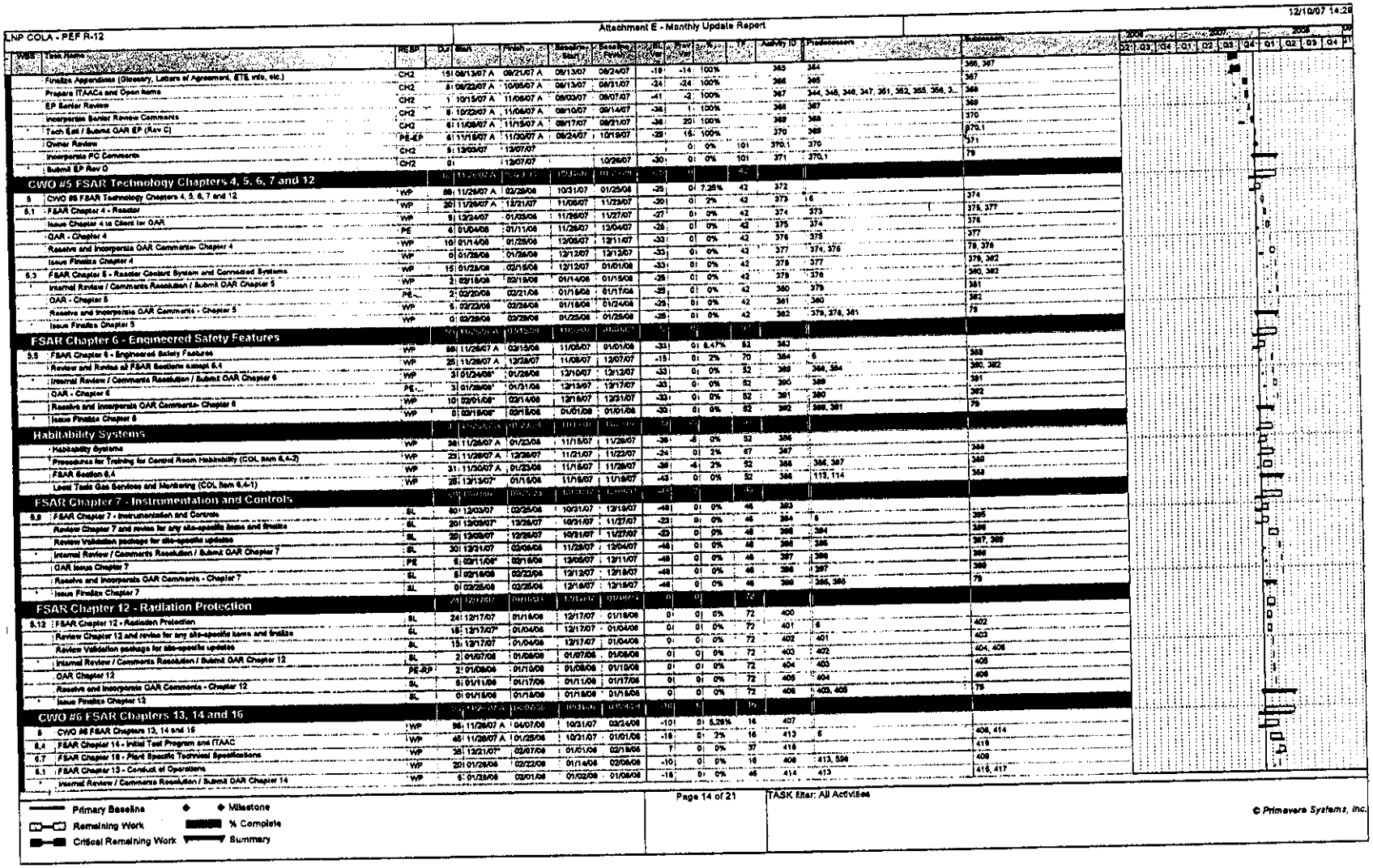
TASK filter: All Activities

© Primavera Systems, Inc.

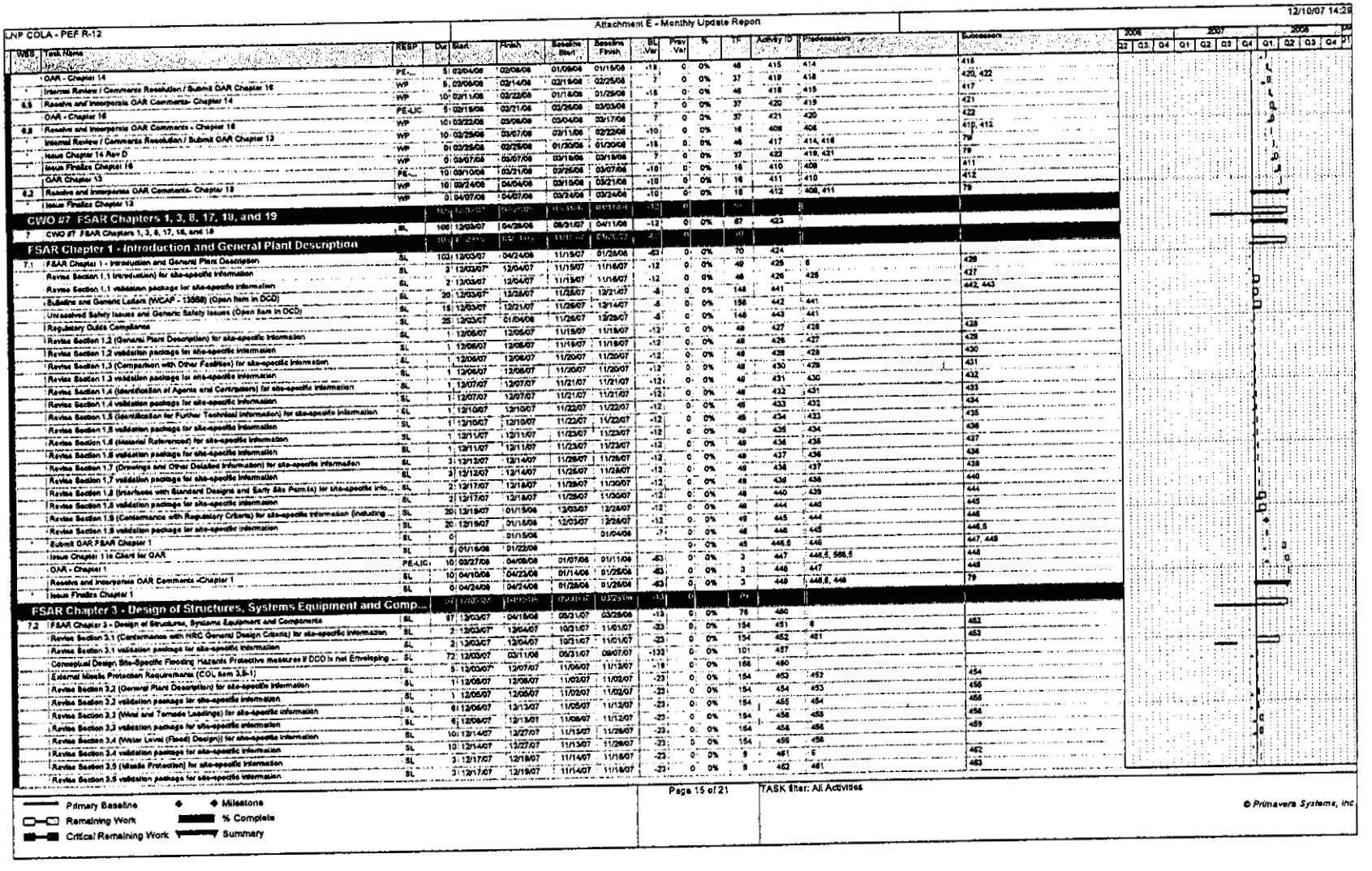
CONFIDENTIAL



[!] CONFIDENTIAL



CONFIDENTIAL



12/10/07 14:29

Attachment E - Monthly Update Report

LNP COLA - PEF R-12

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var	Prev Var	%	TF	Activity ID	Predecessors	Successors
	OAR - Chapter 14	PE-...	5	02/04/08	02/08/08	01/09/08	01/15/08	-18	0	0%	46	415	414	418
	Internal Review / Comments Resolution / Submit OAR Chapter 16	WP	5	02/08/08	02/14/08	02/19/08	02/25/08	7	0	0%	37	419	418	420, 422
6.5	Receive and Incorporate OAR Comments- Chapter 14	WP	10	02/11/08	02/22/08	01/16/08	01/29/08	-18	0	0%	46	418	415	417
	OAR - Chapter 16	PE-LIC	5	02/15/08	02/21/08	02/26/08	03/03/08	7	0	0%	37	420	419	421
6.6	Receive and Incorporate OAR Comments - Chapter 16	WP	10	02/22/08	03/06/08	03/04/08	03/17/08	7	0	0%	37	421	420	422
	Internal Review / Comments Resolution / Submit OAR Chapter 13	WP	10	02/25/08	03/07/08	02/11/08	02/22/08	-10	0	0%	16	408	406	410, 412
	Issue Chapter 14 Rev D	WP	0	02/25/08	02/25/08	01/30/08	01/30/08	-18	0	0%	46	417	414, 416	79
	Issue Finalize Chapter 16	WP	0	03/07/08	03/07/08	03/19/08	03/19/08	7	0	0%	37	422	419, 421	79
	OAR Chapter 13	PE-...	10	03/10/08	03/21/08	02/25/08	03/07/08	-10	0	0%	16	410	408	411
6.3	Receive and Incorporate OAR Comments- Chapter 13	WP	10	03/24/08	04/04/08	03/10/08	03/21/08	-10	0	0%	16	411	410	412
	Issue Finalize Chapter 13	WP	0	04/07/08	04/07/08	03/24/08	03/24/08	-10	0	0%	16	412	408, 411	79
	CWO #7 FSAR Chapters 1, 3, 8, 17, 18, and 19		[illegible]					-12	0					
7	CWO #7 FSAR Chapters 1, 3, 8, 17, 18, and 19	SL	100	12/03/07	04/28/08	06/31/07	04/11/08	-12	0	0%	67	423		
	FSAR Chapter 1 - Introduction and General Plant Description		[illegible]					-2	0		70			
7.1	FSAR Chapter 1 - Introduction and General Plant Description	SL	103	12/03/07	04/24/08	11/19/07	01/28/08	-63	0	0%	70	424		426
	Revise Section 1.1 (Introduction) for site-specific information	SL	3	12/03/07	12/04/07	11/15/07	11/16/07	-12	0	0%	46	425	6	427
	Revise Section 1.1 validation package for site-specific information	SL	2	12/03/07	12/04/07	11/15/07	11/16/07	-12	0	0%	46	426	426	442, 443
	Bulletins and Generic Letters (WCAP - 13568) (Open Item in DCD)	SL	20	12/03/07	12/28/07	11/26/07	12/21/07	-8	0	0%	148	441		
	Unresolved Safety Issues and Generic Safety Issues (Open Item in DCD)	SL	15	12/03/07	12/21/07	11/26/07	12/14/07	-8	0	0%	156	442	441	
	Regulatory Guide Compliance	SL	25	12/03/07	01/04/08	11/26/07	12/28/07	-8	0	0%	148	443	441	428
	Revise Section 1.2 (General Plant Description) for site-specific information	SL	1	12/06/07	12/06/07	11/19/07	11/19/07	-12	0	0%	46	427	426	429
	Revise Section 1.2 validation package for site-specific information	SL	1	12/06/07	12/06/07	11/19/07	11/19/07	-12	0	0%	46	428	427	430
	Revise Section 1.3 (Comparison with Other Facilities) for site-specific information	SL	1	12/06/07	12/06/07	11/20/07	11/20/07	-12	0	0%	46	429	428	431
	Revise Section 1.3 validation package for site-specific information	SL	1	12/06/07	12/06/07	11/20/07	11/20/07	-12	0	0%	46	430	429	432
	Revise Section 1.4 (Identification of Agents and Contractors) for site-specific information	SL	1	12/07/07	12/07/07	11/21/07	11/21/07	-12	0	0%	46	431	430	433
	Revise Section 1.4 validation package for site-specific information	SL	1	12/07/07	12/07/07	11/21/07	11/21/07	-12	0	0%	46	432	431	434
	Revise Section 1.5 (Identification for Further Technical Information) for site-specific information	SL	1	12/10/07	12/10/07	11/22/07	11/22/07	-12	0	0%	46	433	432	435
	Revise Section 1.5 validation package for site-specific information	SL	1	12/10/07	12/10/07	11/22/07	11/22/07	-12	0	0%	46	434	433	436
	Revise Section 1.6 (Material Referenced) for site-specific information	SL	1	12/11/07	12/11/07	11/23/07	11/23/07	-12	0	0%	46	435	434	437
	Revise Section 1.6 validation package for site-specific information	SL	1	12/11/07	12/11/07	11/23/07	11/23/07	-12	0	0%	46	436	435	438
	Revise Section 1.7 (Drawings and Other Detailed Information) for site-specific information	SL	3	12/12/07	12/14/07	11/26/07	11/28/07	-12	0	0%	46	437	436	439
	Revise Section 1.7 validation package for site-specific information	SL	3	12/12/07	12/14/07	11/26/07	11/28/07	-12	0	0%	46	438	437	440
	Revise Section 1.8 (Interfaces with Standard Designs and Early Site Permits) for site-specific info...	SL	2	12/17/07	12/18/07	11/28/07	11/30/07	-12	0	0%	46	439	438	444
	Revise Section 1.8 validation package for site-specific information	SL	2	12/17/07	12/18/07	11/28/07	11/30/07	-12	0	0%	46	440	439	445
	Revise Section 1.9 (Conformance with Regulatory Criteria) for site-specific information (including ...	SL	20	12/19/07	01/15/08	12/03/07	12/28/07	-12	0	0%	46	444	440	446
	Revise Section 1.9 validation package for site-specific information	SL	20	12/19/07	01/15/08	12/03/07	12/28/07	-12	0	0%	46	445	444	446,5
	Submit OAR FSAR Chapter 1	SL	0		01/15/08		01/04/08	-7	0	0%	46	446	445	447, 448
	Issue Chapter 1 to Client for OAR	SL	5	01/16/08	01/22/08				0	0%	46	446,5	446	448
	OAR - Chapter 1	PE-LIC	10	03/27/08	04/08/08	01/07/08	01/11/08	-63	0	0%	3	447	446,5, 566,5	448
	Resolve and Incorporate OAR Comments -Chapter 1	SL	10	04/10/08	04/23/08	01/14/08	01/25/08	-63	0	0%	3	446	447	79
	Issue Finalize Chapter 1	SL	0	04/24/08	04/24/08	01/28/08	01/28/08	-63	0	0%	3	449	446,5, 448	
	FSAR Chapter 3 - Design of Structures, Systems Equipment and Comp...		[illegible]					-13	0		76			
7.2	FSAR Chapter 3 - Design of Structures, Systems Equipment and Components	SL	97	12/03/07	04/15/08	05/31/07	03/28/08	-13	0	0%	76	450		452
	Revise Section 3.1 (Conformance with NRC General Design Criteria) for site-specific information	SL	2	12/03/07	12/04/07	10/31/07	11/01/07	-23	0	0%	154	451	6	453
	Revise Section 3.1 validation package for site-specific information	SL	2	12/03/07	12/04/07	10/31/07	11/01/07	-23	0	0%	154	452	451	
	Conceptual Design Site-Specific Flooding Hazards Protective measures if DCD is not Enveloping ...	SL	72	12/03/07	03/11/08	05/31/07	09/07/07	-132	0	0%	101	457		
	External Missile Protection Requirements (COL Item 3.5-1)	SL	5	12/03/07	12/07/07	11/06/07	11/13/07	-19	0	0%	156	460		454
	Revise Section 3.2 (General Plant Description) for site-specific information	SL	1	12/06/07	12/06/07	11/02/07	11/02/07	-23	0	0%	154	453	452	455
	Revise Section 3.2 validation package for site-specific information	SL	1	12/06/07	12/06/07	11/02/07	11/02/07	-23	0	0%	154	454	453	456
	Revise Section 3.3 (Wind and Tornado Loadings) for site-specific information	SL	6	12/06/07	12/13/07	11/05/07	11/12/07	-23	0	0%	154	455	454	457
	Revise Section 3.3 validation package for site-specific information	SL	6	12/06/07	12/13/07	11/05/07	11/12/07	-23	0	0%	154	456	455	459
	Revise Section 3.4 (Water Level (Flood Design)) for site-specific information	SL	10	12/14/07	12/27/07	11/13/07	11/26/07	-23	0	0%	154	458	456	462
	Revise Section 3.4 validation package for site-specific information	SL	10	12/14/07	12/27/07	11/13/07	11/26/07	-23	0	0%	154	459	458	
	Revise Section 3.5 (Missile Protection) for site-specific information	SL	3	12/17/07	12/19/07	11/14/07	11/16/07	-23	0	0%	9	461	6	463
	Revise Section 3.5 validation package for site-specific information	SL	3	12/17/07	12/19/07	11/14/07	11/16/07	-23	0	0%	9	462	461	

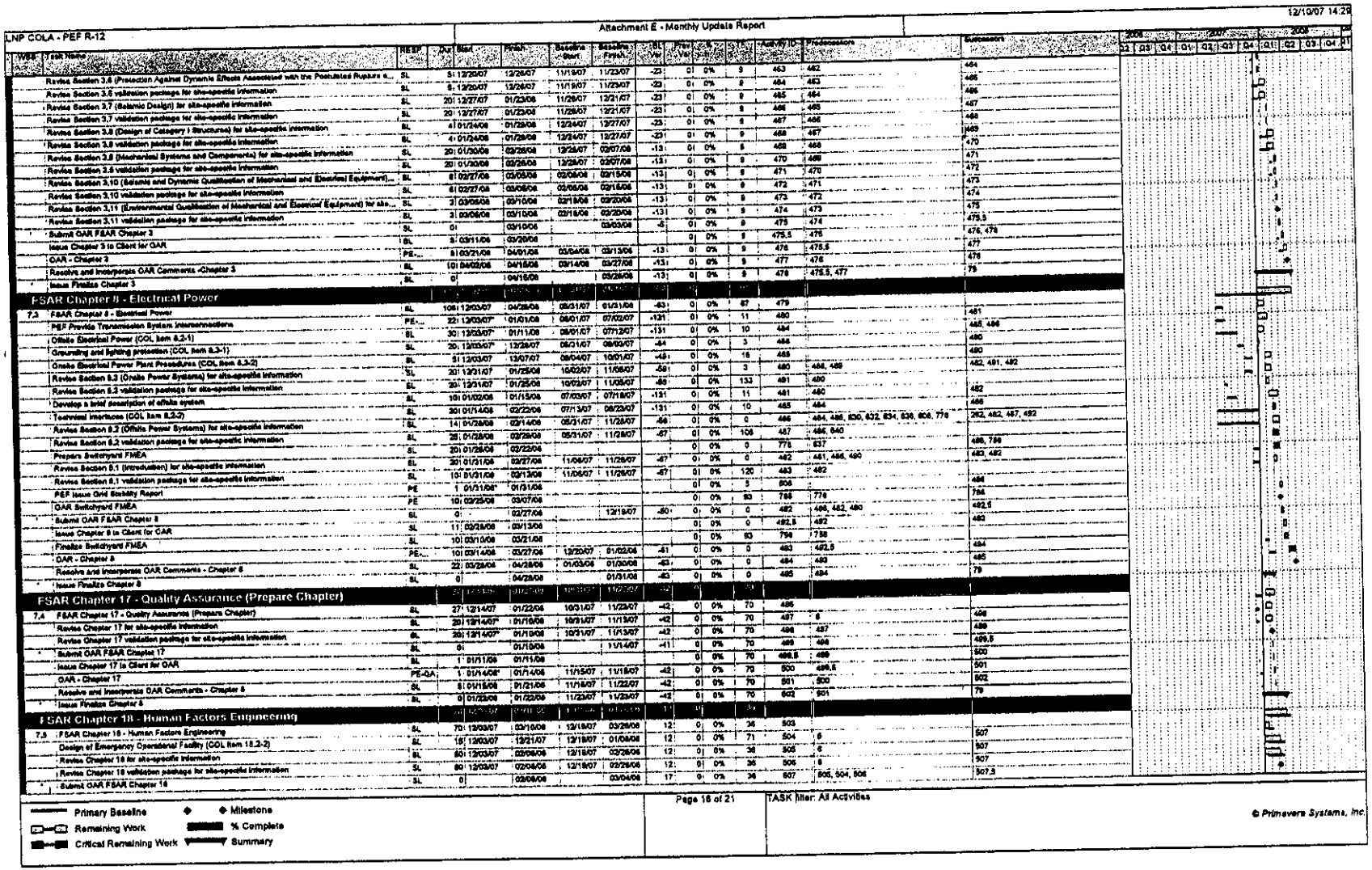
2006 Q2 Q3 Q4 | 2007 Q1 Q2 Q3 Q4 | 2008 Q1 Q2 Q3 Q4

Primary Baseline ◆ Milestone
Remaining Work % Complete
Critical Remaining Work Summary

TASK filter: All Activities

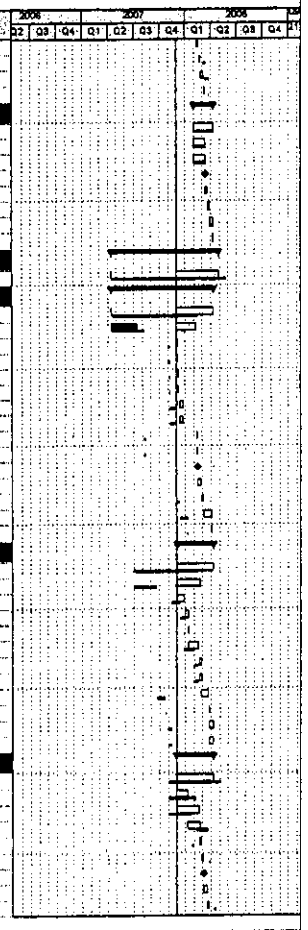
© Primavera Systems, Inc.

[!] CONFIDENTIAL



CONFIDENTIAL

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var	Prev Var	%	TF	Activity ID	Predecessors	Successors
	Issue Chapter 18 to Client for OAR	SL	5	02/11/08	02/15/08				0	0%	36	507.5	507	508, 510
	OAR -Chapter 18	PE-C	5	02/18/08	02/22/08	03/05/08	03/11/08	12	0	0%	36	508	507.5	509
	Resolve and Incorporate OAR Comments -Chapter 18	SL	10	02/25/08	03/07/08	03/13/08	03/25/08	12	0	0%	36	509	508	510
	Issue Finalize Chapter 18	SL	0	03/10/08	03/10/08	03/26/08	03/26/08	12	0	0%	36	510	507.5, 509	79
	FSAR Chapter 19 - Plant Specific PRA													
7.0	FSAR Chapter 19 - Plant Specific PRA	SL	60	02/01/08	04/11/08	02/01/08	04/11/08	0	0	0%	79	511		513, 514
	Revise Chapter 19 for site-specific information	SL	30	02/01/08*	03/13/08	02/01/08	03/13/08	0	0	0%	12	512		
	Revise Chapter 19 validation package for site-specific information	SL	30	02/01/08	03/13/08	02/01/08	03/13/08	0	0	0%	99	513	512	514.5
	Submit OAR FSAR Chapter 19	SL	0		03/13/08		03/25/08	5	0	0%	12	514	512	515, 517
	Issue Chapter 19 to Client for OAR	SL	5	03/14/08	03/20/08				0	0%	12	514.5	514	516
	OAR - Chapter 19	PE-C	5	03/21/08	03/27/08	03/31/08	03/27/08	0	0	0%	12	515	514.5	517
	Resolve and Incorporate OAR Comments - Chapter 19	SL	10	03/28/08	04/10/08	03/28/08	04/10/08	0	0	0%	12	516	516	79
	Issue Finalize Chapter 19	SL	0	04/11/08	04/11/08	04/11/08	04/11/08	0	0	0%	12	517	514.5, 516	
	FSAR Chapters 9, 10, 11 and 15													
8	FSAR Chapters 9, 10, 11 and 15	SL	270	04/15/07 A	04/28/08	04/16/07	05/23/08	18	0	0%	68	518		
	FSAR Chapter 9 - Auxiliary Systems													
9.1	FSAR Chapter 9 - Auxiliary Systems	SL	257	04/15/07 A	04/08/08	04/16/07	02/13/08	-36	0	0%	81	519		523
	The site-specific portions of the sanitary drainage system will be incorporated into the FSAR whe...	SL	148	04/15/07 A	02/08/08	04/16/07	08/08/07	-132	-66	30%	18	522		521, 525, 541
	Revise Section 9.1 (Fuel Storage and Handling) for site-specific information	SL	4	12/03/07*	12/06/07	11/01/07	11/06/07	-22	0	0%	166	521	520	
	Revise Section 9.1 validation package for site-specific information	SL	4	12/03/07	12/06/07	11/01/07	11/06/07	-22	0	0%	166	521	520	526, 527, 541
	Revise Section 9.3 (Process Auxiliaries) for site-specific information	SL	2	12/07/07	12/10/07	11/07/07	11/08/07	-22	0	0%	167	526	526	
	Revise Section 9.3 validation package for site-specific information	SL	2	12/07/07	12/10/07	11/07/07	11/08/07	-22	0	0%	167	526	526	526, 541
	Revise Section 9.4 (Air Conditioning, Heating, Cooling, and Ventilation Systems) for site-specific i...	SL	10	12/11/07	12/24/07	11/08/07	11/23/07	-22	0	0%	88	527	526	
	Revise Section 9.4 validation package for site-specific information	SL	10	12/11/07	12/24/07	11/08/07	11/22/07	-22	0	0%	167	528	527	524, 541
	Revise Section 9.2 (Water Systems) for site-specific information	SL	31	02/11/08	02/13/08	08/08/07	08/13/07	-132	0	0%	18	523	522	
	Revise Section 9.2 validation package for site-specific information	SL	3	02/11/08	02/13/08	08/08/07	08/13/07	-132	0	0%	120	524	523	
	Submit OAR FSAR Chapter 9	SL	0		02/13/08		12/06/07	-48	0	0%	18	541	520, 523, 525, 527, 528	541.5
	Issue Chapter 9 to Client for OAR	SL	10	02/14/08	02/27/08				0	0%	18	541.5	541	542, 544
	OAR - Chapter 9	PE-C	5	03/28/08	03/05/08	12/07/07	12/13/07	-58	0	0%	18	542	541.5	543
	Resolve and Incorporate OAR Comments- Chapter 9	SL	20	03/06/08	04/02/08	12/14/07	01/10/08	-58	0	0%	18	543	542	544
	Issue Finalize Chapter 9	SL	0	04/03/08	04/02/08	01/11/08	01/11/08	-58	0	0%	18	544	541.5, 543	79
	Revise Section 9.5 (Other Auxiliary Systems) for site-specific informati...													
	Revise Section 9.5 (Other Auxiliary Systems) for site-specific information	SL	82	12/03/07	04/04/08	07/02/07	02/13/08	-36	0	0%	81	528		541
	Fire Protection Analysis Information (COL Item 9.5-2)	SL	60	12/03/07*	02/22/08	07/02/07	08/21/07	-110	0	0%	81	530	529	531, 533
	Offsite Insertsets (COL Item 9.5-8)	SL	20	12/03/07*	12/28/07	11/15/07	12/12/07	-13	0	0%	108	535		536, 539
	Emergency Offsite Communications (COL Item 9.5-10)	SL	10	12/31/07	01/11/08	12/13/07	12/26/07	-13	0	0%	108	536	535	537, 539
	Security Communications (COL Item 9.5-11)	SL	0	01/14/08	01/14/08	12/27/07	12/27/07	-13	0	0%	108	537	536	538, 539
	Cathodic Protection (COL Item 9.5-12)	SL	25	01/14/08	02/15/08	12/27/07	01/30/08	-13	0	0%	108	538	537	538
	Revise Section 9.5.2 through 9.5.6 for site-specific information	SL	10	02/18/08	02/28/08	01/31/08	02/13/08	-13	0	0%	108	539	537, 536, 535, 536	540
	Revise Section 9.5.2 through 9.5.6 validation package for site-specific information	SL	10	02/18/08	02/28/08	01/31/08	02/13/08	-13	0	0%	108	540	538	
	Regulatory Conformance (COL Item 9.5-3)	SL	20	02/25/08*	03/21/08	08/24/07	09/19/07	-110	0	0%	81	531	530	532, 533
	NFPA Exceptions (COL Item 9.5-4)	SL	2	02/24/08	02/25/08	10/22/07	10/23/07	-110	0	0%	81	532	531	533
	Revise Section 9.5.1 (Fire Protection Program) for site-specific information	SL	10	03/26/08*	04/08/08	10/31/07	11/13/07	-105	0	0%	81	533	530, 531, 532	534
	Revise Section 9.5.1 validation package for site-specific information	SL	10	03/26/08	04/08/08	10/31/07	11/13/07	-105	0	0%	81	534	533	
	FSAR Chapter 10 - Steam and Power Conversion													
9.2	FSAR Chapter 10 - Steam and Power Conversion	WP	94	11/30/07 A	04/10/08	11/05/07	05/05/08	17	0	1.06%	13	546		547, 548
	Revise FSAR Section 10.1 - 10.3	WP	30	11/30/07 A	01/10/08	11/05/07	02/08/08	21	0	0%	13	548	5	549
	Circulating Water Supply (COL Item 10.4-1)	WP	56	12/03/07	02/20/08	11/05/07	01/23/08	-20	0	0%	13	547	546	550
	Potable Water (COL Item 10.4-3)	WP	30	01/11/08	02/21/08	02/11/08	03/21/08	21	0	0%	17	549	548	550
	Condensate, Feedwater and Auxiliary Steam System Chemistry Control (COL Item 10.4-2)	NU	5	02/21/08	02/27/08	01/24/08	01/30/08	-20	0	0%	13	548	547	551
	FSAR Section 10.4	WP	5	02/28/08*	03/05/08	03/24/08	03/28/08	17	0	0%	13	550	548, 549, 516, 517	551
	Submit OAR FSAR Chapter 10	WP	0		03/05/08		04/11/08	27	0	0%	13	551	550	551.5
	Issue Chapter 10 to Client for OAR	WP	10	03/06/08	03/18/08				0	0%	13	551.5	551	552, 554
	OAR - Chapter 10	PE-C	5	03/20/08*	03/26/08	04/14/08	04/18/08	17	0	0%	13	552	551.5	553



Primary Baseline ◆ Milestone
Remaining Work % Complete
Critical Remaining Work Summary

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

12/10/07 14:29

Attachment E - Monthly Update Report

LNP COLA - PEF R-12

WBS	Activity Name	Resp	Dur	Start	Finish	Baseline Start	Baseline Finish	Total Float	Free Float	% Complete	Activity ID	Predecessors	Successors
	Receive and Incorporate OAR Comments -Chapter 10	WP	10	03/27/08*	04/08/08	04/21/08	05/02/08	17	0	0%	13	553 562	554
	Issue Finalize FSAR Chapter 10	WP	0	04/10/08*	04/10/08	05/06/08	05/06/08	17	0	0%	13	554 551.5, 563	79
	FSAR Chapter 11 - Radioactive Waste Management		106	11/26/07 A	04/24/08	06/31/07	05/23/08	21	0	4.53%	3	555	
6.3	FSAR Chapter 11 - Radioactive Waste Management	WP	106	11/26/07 A	04/24/08	06/31/07	05/23/08	21	0	4.53%	3	555	
	Review FSAR Section 11.1	WP	81	11/26/07 A	12/03/07	10/24/07	10/31/07	-24	-1	2%	67	556 6	567
	FSAR Section 11.4	WP	5	11/26/07 A	12/03/07	10/31/07	11/06/07	-18	-1	2%	67	561 6	567
	LNG-0000-NSC-003 (LRWS Doses)	WP	15	12/31/07	01/18/08				0	0%	17	567,1 102, 102,1	567, 269,1
	LNG-0000-NSC-004 (GRWS Doses)	WP	25	01/01/08	02/04/08				0	0%	6	560,1 102, 102,1, 127	560, 269,1
	Cost Benefit Analysis of Population Doses (COL Item 11.3-2)	WP	1	01/21/08	01/21/08	08/31/07	08/14/07	-82	0	0%	17	567 567,1	554, 565, 269
	FSAR Section 11.2	WP	10	01/22/08	02/04/08	08/14/07	08/24/07	-82	0	0%	22	556 567	567, 269
	10CFR50, Appendix I (COL Item 11.5-3)	WP	5	01/30/08	02/05/08	10/15/07	10/25/07	-73	0	0%	6	565 560, 567	566
	Cost Benefit Analysis of Population Doses (COL Item 11.3-1)	WP	1	02/05/08	02/05/08	08/31/07	10/25/07	-73	0	0%	6	560 560,1	566, 568, 269
	FSAR Section 11.3	WP	10	02/06/08	02/19/08	10/26/07	11/04/07	-73	0	0%	11	559 560	847, 269
	Plant Gaseous Dose Calculation Manual (OCDM) (COL Item 11.5-1)	WP	15	02/11/08	02/29/08	03/14/08	04/03/08	24	0	0%	3	564 129, 125	566
	FSAR Section 11.5	WP	15	02/11/08	02/29/08	03/14/08	04/03/08	24	0	0%	3	568 565, 564	567
	Update LNG-0000-NSC-004 (GRWS Doses)	WP	10	02/18/08	03/28/08				0	0%	26	562,1 102, 102,1, 132	562
	Revise Cost Benefit Analysis of Population Doses (COL Item 11.3-1) for Revised Long-Term Dilu...	WP	3	03/03/08	03/05/08	03/26/08	04/03/08	21	0	0%	26	562 562,1	563, 274,1
	Issue Chapter 11 to Client for OAR	WP	15	03/03/08	03/28/08	04/04/08	04/17/08	19	0	0%	3	567 566, 556, 555, 559, 561	568
	Revise FSAR Section 11.3 to incorporate revised cost benefit analysis (COL Item 11.3-1) results	WP	2	03/06/08	03/07/08	04/04/08	04/07/08	21	0	0%	26	563 562	269,3, 274,1, 569
	OAR - Chapter 11	PE/PP	10	03/27/08	04/08/08				0	0%	3	568,5 555	568, 447
	Begin OAR - Chapter 11	PE/PP	0		03/27/08		04/24/08	20	0	0%	3	564 567	566,5
	Receive and Incorporate OAR Comments - FSAR Chapter 11	WP	10	04/10/08	04/23/08	04/25/08	05/23/08	21	0	0%	3	569 568,5, 563	570
	Issue Finalize FSAR Chapter 11	WP	0	04/24/08	04/24/08	05/23/08	05/23/08	21	0	0%	3	570 569	79
	FSAR Chapter 15 - Accident Analysis		110	11/26/07 A	04/28/08	06/27/07	04/03/08	-18	0	4.89%	66	571	
6.4	FSAR Chapter 15 - Accident Analysis	WP	110	11/26/07 A	04/28/08	06/27/07	04/03/08	-18	0	4.89%	66	571	
	Review all FSAR Chapter 15 Sections except Section 15.7 and Appendices A/B	WP	86	11/26/07 A	02/08/08	08/10/07	01/28/08	-101	0	2%	26	572 122	578
	Confirm site-specific X/Q values are bounded by values in Table 15A-6.	WP	70	12/03/07*	03/07/08	08/27/07	11/02/07	-80	0	0%	1	575 126	577
	LNG-0000-GLC-003 (LRWS Tank Failure)	WP	36	12/07/07*	01/24/08				0	0%	22	573,1 159,1	573
	Consequences of Tank Failure (COL Item 15.7-1)	WP	0	01/25/08*	01/31/08	08/03/07	10/05/07	-84	0	0%	22	573 573,1	574
	FSAR Section 15.7 - Radioactive Release from a Subsystem or Component	WP	5	02/08/08*	02/14/08	08/17/07	10/19/07	-84	0	0%	22	574 573	576, 152
	Reconfirm site-specific X/Q values are bounded by values in Table 15A-6 (for 1 yr Met Data)	WP	5	02/20/08	02/26/08	03/28/08	04/03/08	27	0	0%	111	576 131	578
	FSAR Appendices A/B	WP	5	03/10/08	03/14/08	11/05/07	11/09/07	-80	0	0%	1	577 575	579, 581
	Issue FSAR Chapter 15 to Client for OAR	WP	10	03/17/08	03/28/08	01/29/08	02/08/08	-36	0	0%	1	578 577, 572, 574	580
	OAR - FSAR Chapter 15	PE/...	10	03/31/08	04/11/08	02/11/08	02/18/08	-40	0	0%	1	579 578	581
	Receive and Incorporate OAR Comments - FSAR Section 15	WP	10	04/14/08	04/25/08	02/18/08	03/14/08	-30	0	0%	1	580 578	79
	Issue Finalize FSAR Section 15	WP	0	04/28/08	04/28/08	03/17/08	03/17/08	-30	0	0%	1	581 578, 580	
	CWO #9 Procedures and Plans Separate from FSAR		447	08/14/06 A	04/28/08	08/14/06	05/02/08	2	0	0%	88	582	
9	CWO #9 Procedures and Plans Separate from FSAR	SL	447	08/14/06 A	04/28/08	08/14/06	05/02/08	2	0	0%	88	582	530, 586,1
9.3	Fire Protection Program/Plan and Fire Hazards Analysis	SL	87	12/03/07	04/01/08	07/02/07	01/22/08	-80	0	0%	88	586	
9.4	Pre-service and In-service Test and Inspection Plan	SL	301	12/03/07	01/11/08	10/31/07	12/11/07	-33	0	0%	143	587 6	157, 158, 408
9.5	Prepare Other Plan Descriptions (inputs to FSAR Sec 2.4, 2.5 and 13.1)	A/	20	12/03/07*	12/28/07	08/04/07	10/01/07	-64	0	0%	-3	588	78, 583,1
9.1	QA Programs	SL	20	12/17/07*	01/11/08	11/01/07	11/28/07	-32	0	0%	76	583 6	583,2
	Submit for OAR (QA Programs)	SL	0		01/11/08				0	0%	123	583,1 583	583,3
	OAR Review (QA Programs)	SL	10	01/14/08	01/25/08				0	0%	123	583,2 583,1	583,4
	Incorporate Comments (QA Programs)	SL	10	01/28/08	02/08/08				0	0%	123	583,3 583,2	
	Submit for Approval (QA Programs)	SL	0		02/08/08				0	0%	123	583,4 583,3	588,2
	Submit for OAR (Fire Protection Program / Plan)	SL	0		04/01/08				0	0%	88	586,1 586	586,3
	OAR Review (Fire Protection Program / Plan)	SL	10	04/02/08	04/15/08				0	0%	88	586,2 586,1	586,4
	Incorporate Comments (Fire Protection Program / Plan)	SL	10	04/16/08	04/28/08				0	0%	88	586,3 586,2	
	Submit for Approval (Fire Protection Program / Plan)	SL	0		04/28/08				0	0%	88	586,4 586,3	
	Security Plan		429	08/14/06 A	04/04/08	08/14/06	05/02/08	20	0	0%	17	584	
9.2	Security Plan	SL	429	08/14/06 A	04/04/08	08/14/06	05/02/08	20	0	0%	17	584	
	Security considerations for Site QAA, construction laydown, and parking areas	SL	10	08/14/06 A	08/25/06 A	08/14/06	08/25/06	0	0	0%		585 59	
	FSAR 13.6 - Scheduled NRC Endorsement	SL	0	01/15/07 A	01/15/07 A	01/15/07	01/15/07	0	0	0%		586	
	Vulnerability Analysis & Protective Strategy Assessment	SL	20	12/20/07*	01/15/08	12/20/07	01/15/08	0	0	0%	17	584	589, 590

2006 Q3 Q4 Q1 2007 Q2 Q3 Q4 Q1 Q2 Q3 Q4 2008 Q1

Primary Baseline ◆ Milestone
Remaining Work % Complete
Critical Remaining Work Summary

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL

Attachment E - Monthly Update Report

12/10/07 14:29

LNP COLA - PEF R-12

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var	Prev Var	%	TF	Activity ID	Predecessors	Successors
	Finalize Defensive Strategy Plan & Details	SL	20	12/20/07	01/15/08	12/20/07	01/15/08	0	0	0%	53	583	584	592
	Prepare Security Plan incl New Appendices E & F	SL	20	01/17/08	02/13/08	01/17/08	03/13/08	20	0	0%	17	590	588	591
	Review of Security Plan	SL	15	02/14/08	03/05/08	03/13/08	04/02/08	20	0	0%	17	591	590	592
	Submit Security Plan for Progress Energy OAR	SL	0	03/07/08	03/07/08	04/04/08	04/04/08	20	0	0%	17	592	591, 589	593
	Progress Energy OAR	PE-...	10	03/07/08	03/20/08	04/04/08	04/17/08	20	0	0%	17	593	592	594
	Finalize Security Plan	SL	10	03/21/08	04/03/08	04/18/08	05/01/08	20	0	0%	17	594	593	595
*	Issue Security Plan	SL	0	04/04/08	04/04/08	05/02/08	05/02/08	20	0	0%	17	595	594	77
	Conceptual Design Separate from FSAR		421	08/07/06 A	03/17/08	08/07/06	12/21/07	-81	0		97			
10	Conceptual Design Separate from FSAR	WP	421	08/07/06 A	03/17/08	08/07/06	12/21/07	-81	0	0%	97	600		
	Cooling Tower Design and Cooling Water Temperature Limits		92	07/02/07 A	10/31/07 A	07/02/07	10/31/07	0	0		0			
	Cooling Tower Design and Cooling Water Temperature Limits	WP	88	08/07/06 A	12/01/06 A	08/07/06	12/01/06	0	0	0%		601		
	Develop cooling tower options	WP	15	08/07/06 A	08/25/06 A	08/07/06	08/25/06	0	0	0%		604	6	603
	Establish 0% exceedance Wet Bulb and Dry Bulb Temperature for site	WP	10	08/21/06 A	08/31/06 A	08/21/06	08/31/06	0	0	0%		602	8	
	Discuss with Westinghouse of impact of dry and Wet Bulb temperature on AP1000 DCD	WP	10	08/04/06 A	08/15/06 A	08/04/06	08/15/06	0	0	0%		603	602	
	Westinghouse AP1000 Buyers CSW Optimization TF participation	WP	80	08/04/06 A	11/24/06 A	08/04/06	11/24/06	0	0	0%		606	7	606
	Westinghouse Optimization results available to PE	WP	0	11/27/06 A	12/01/06 A	11/27/06	12/01/06	0	0	0%		608	605	72
	Conceptual Design of CWS		92	07/02/07 A	10/31/07 A	07/02/07	10/31/07	0	0		0			
10.3	Conceptual Design of CWS	WP	203	04/18/07 A	01/24/08	04/18/07	10/01/07	-82	0	0%	86	611		613, 614, 615, 616
	Condenser Heat Load, BTU/hr	WP	0	04/18/07 A	04/18/07 A	04/18/07	04/18/07	0	0	100%		612		
	Circulating Water Flow to Condenser GPM	WP	0	04/18/07 A	04/18/07 A	04/18/07	04/18/07	0	0	100%		613	612	
	Maximum Temp Limit on Circ Water to Condenser, Degrees F	WP	0	10/01/07 A	10/01/07 A	05/31/07	05/31/07	-87	0	100%		614	612	
	Above Data for any Other Cooling Water Services Supplied from Circulating Water System such ...	WP	0	10/01/07 A	10/01/07 A	07/02/07	07/02/07	-65	0	100%		615	612	550, 618
	Circ Water System Calculations - Cooling Tower Sizing, Cooling Tower Blowdown and Makeup R...	WP	86	10/01/07 A	10/31/07 A	07/02/07	10/01/07	-21	64	100%		616	612	184, 550, 618
	Develop Prelim / Final Circ Water / PAID (FSAR Figure)	WP	15	10/29/07 A	12/13/07	07/02/07	08/30/07	-74	-36	80%	-1	617		621, 619
	Independent Review / Submit CWS OAR	WP	5	12/13/07	12/19/07	10/02/07	10/08/07	-52	0	0%	69	618	616, 617	620
	OAR - CWS	PE-...	5	12/20/07	12/26/07				0	0%	86	618.5	619	619.5
*	Begin OAR - CWS	PE-...	0		12/26/07		10/15/07	-48	0	0%	86	619	618	621
	Resolve and Incorporate OAR Comments-Conceptual Design of CWS & Make up System	WP	20	12/27/07	01/23/08	10/16/07	11/12/07	-52	0	0%	86	620	619.5	79
*	Issue Finalize Conceptual Design of CWS	WP	0	01/24/08	01/24/08	11/13/07	11/13/07	-52	0	0%	69	621	616, 620	
	Switchyard Layout and Design		401	08/14/06 A	03/25/08	08/14/06	11/13/07	-82	0		45			
TBD	Switchyard Layout and Design	SL	401	08/14/06 A	03/25/08	08/14/06	11/02/07	-82	0	0%	45	625		627
	Establish the directions transmission lines will leave the plant switchyards (Progress Energy Tran...	PE-...	0	08/14/06 A	08/14/06 A	08/14/06	08/14/06	0	0	0%		626	8	66
	Establish the size and locations of the switchyards for GA	SL	48	04/02/07 A	06/06/07 A	04/02/07	06/06/07	0	0	100%		627	626	
	Conceptual Design of Switchyard		160	10/16/07 A	03/25/08	05/31/07	11/13/07	-82	0		46			
10.1	Conceptual Design of Switchyard	SL	108	10/16/07 A	03/25/08	05/31/07	11/02/07	-82	0	42.48%	46	629		631
	PGN Provide Transmission Line Description & Dwg Line Routes	PE-...	0	10/16/07 A	10/16/07 A	05/31/07	05/31/07	-88	-11	100%		629		632, 633
	PGN Provide Desired Configuration of Switchyard	PE-...	10	10/16/07 A	12/05/07	05/31/07	06/13/07	-129	-36	80%	0	631	629	488, 637
	Develop Switchyard Single Line Diagrams	SL	40	12/03/07	01/25/08	05/31/07	10/03/07	-82	0	0%	0	632	631	634, 635
*	PGN Provide Description of New Switchyard Relay Protection	PE-...	0	12/03/07	12/03/07	05/31/07	05/31/07	-132	0	0%	20	634	633	488, 637
	Develop Descriptions of Switchyard Prot. Relay Philosophy	SL	20	12/03/07	12/28/07	05/31/07	06/22/07	-82	0	0%	20	635	633	634
*	PGN Provide Description of Existing Offsite Power Test & Inspection Procedures	PE-...	0	12/03/07	12/03/07	05/31/07	05/31/07	-132	0	0%	20	636	635	488, 637
	Develop Descriptions of Switchyard Testing & Inspection Plan	SL	20	12/03/07	12/28/07	05/31/07	06/22/07	-82	0	0%	20	637	635	488, 637
	Develop Switchyard Physical Layout Dwgs	SL	30	12/06/07	01/16/08	05/31/07	10/03/07	-76	0	0%	7	638	631	634, 779
*	Issue Switchyard Conceptual Design for OAR	SL	0		01/25/08		10/04/07	-81	0	0%	0	639	632, 633, 634, 636	638
	PGN Review of Conceptual Design	PE-...	10	01/29/08	02/08/08	10/05/07	10/18/07	-81	0	0%	45	638	637	640
	Resolve and Incorporate OAR Comments -Conceptual Design of Switchyard	SL	10	02/11/08	02/22/08	10/19/07	11/01/07	-81	0	0%	45	639	638	79, 487
*	Issue Finalize Conceptual Design of Switchyard	SL	1	02/25/08	02/25/08	11/02/07	11/02/07	-82	0	0%	46	640	639	
	CWO #12 Site Unique Scope Not in RFP		186	07/02/07 A	03/17/08	05/31/07	12/21/07	-61	0		97			
12.11	Site Arrangement, Reports and Surveys	SL	65	07/02/07 A	10/31/07 A	05/31/07	12/21/07	34	-22	100%		641		
12.1...	Phase 1 Makeup Water & Blowdown Eval/Study/Report	SL	186	07/02/07 A	03/17/08	05/31/07	11/21/07	-83	0	100%	97	661		
	LNP Site Grading & Drainage		152	07/02/07 A	02/01/08	05/31/07	12/21/07	-83	-36	50%	153	647		
12.13	Conceptual Design of Site Grading and Storm Drainage (Storm water pond, access road, emerge...	SL	92	07/02/07 A	12/28/07	05/31/07	09/04/07	-83	-36	50%	153	647		
12.XX	Complete Conceptual Grading and Drainage	SL	186	07/02/07 A	03/17/08	07/02/07	12/21/07	-61	0	59.14%	97	675		
	Grading & Drainage Design	SL	52	08/31/07 A	01/03/08	09/15/07	10/25/07	-50	-36	20%	118	653		663

2006 | 2007 | 2008

Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1

Primary Baseline ◆ Milestone

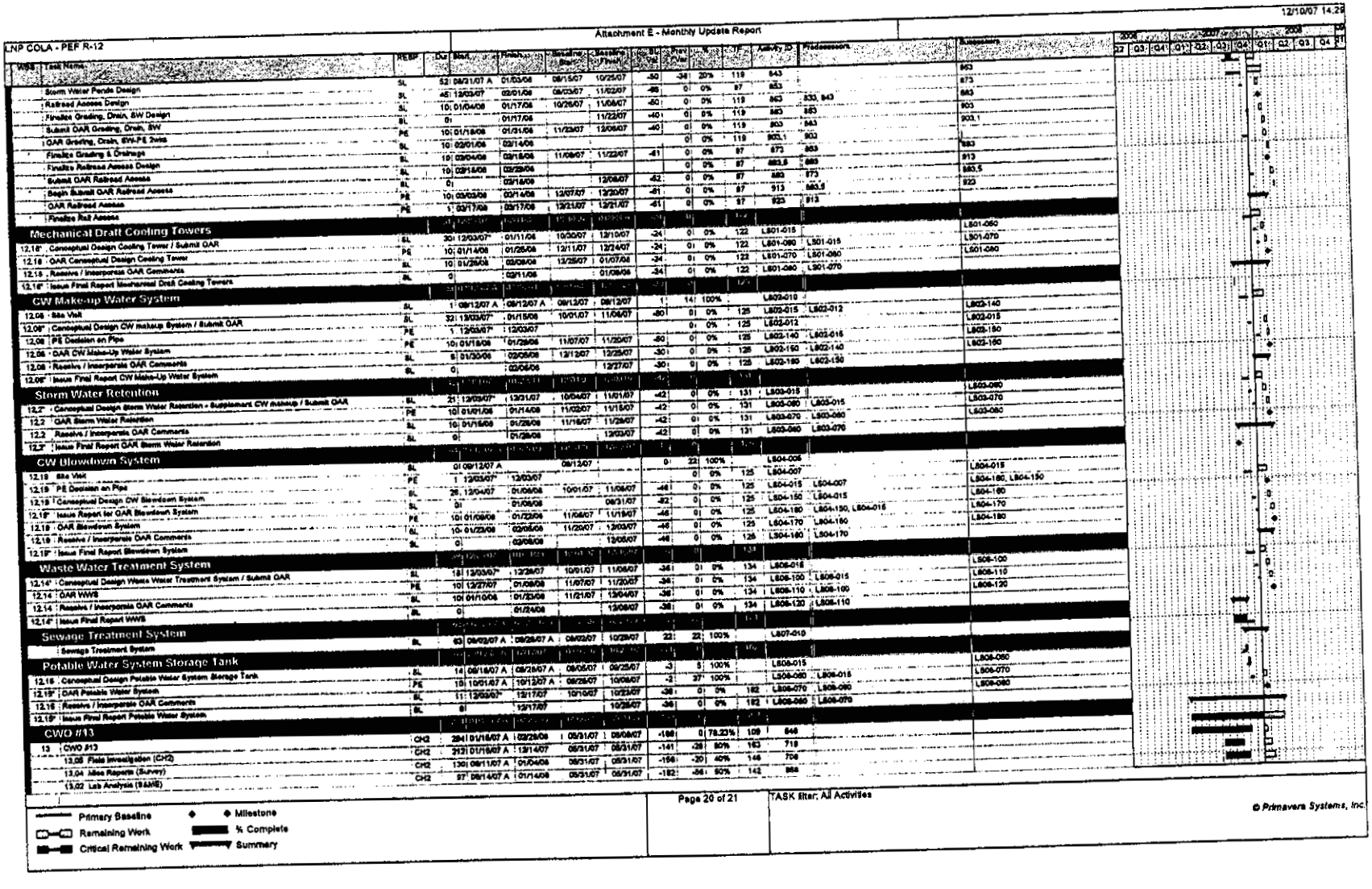
Remaining Work % Complete

Critical Remaining Work Summary

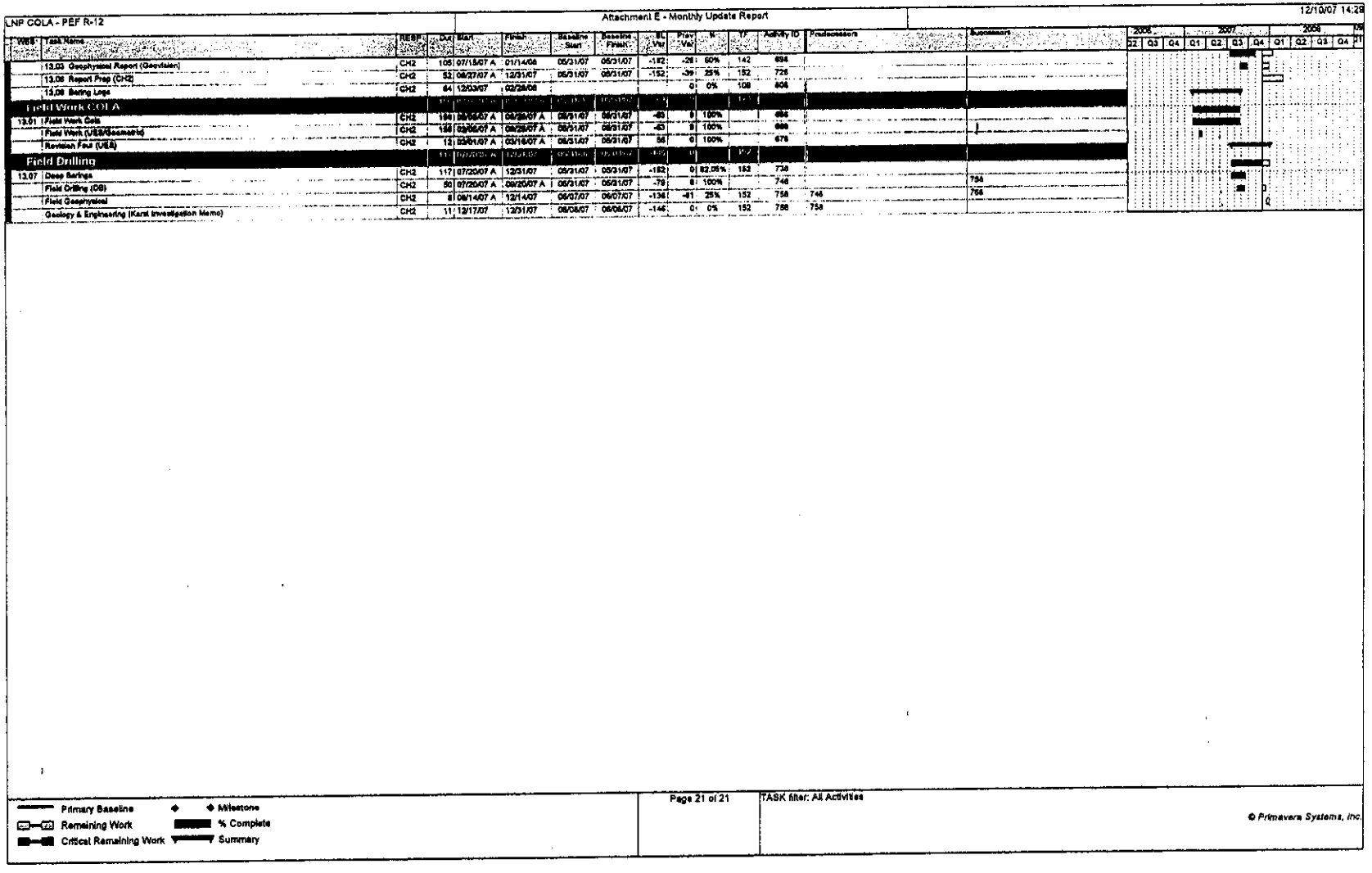
TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL



CONFIDENTIAL



LNP COLA - PEF R-12 | Attachment E - Monthly Update Report | 12/10/07 14:29

WBS	Task Name	RESP	Dur	Start	Finish	Baseline Start	Baseline Finish	BL Var	Prev Var	%	TF	Activity ID	Predecessors	Successors
	13.03 Geophysical Report (Geovision)	CH2	105	07/18/07 A	01/14/08	05/31/07	05/31/07	-152	-28	60%	142	694		
	13.08 Report Prep (CH2)	CH2	52	08/27/07 A	12/31/07	05/31/07	05/31/07	-152	-39	25%	152	726		
	13.08 Boring Logs	CH2	64	12/03/07	02/28/08				0	0%	109	806		
	Field Work COLA		11	05/31/07 A	06/29/07 A	05/31/07	05/31/07		0		0			
13.01	Field Work Cats	CH2	194	05/31/07 A	06/29/07 A	05/31/07	05/31/07	-60	0	100%		684		
	Field Work (UES/Geomatrix)	CH2	188	05/31/07 A	06/29/07 A	05/31/07	05/31/07	-63	0	100%		686		
	Revision Fee (UES)	CH2	13	03/01/07 A	03/16/07 A	05/31/07	05/31/07	56	0	100%		676		
	Field Drilling		11	07/20/07 A	12/31/07	05/31/07	05/31/07	-152	0		152	727		
13.07	Dose Borings	CH2	117	07/20/07 A	12/31/07	05/31/07	05/31/07	-152	0	82.05%	152	730		
	Field Drilling (DB)	CH2	50	07/20/07 A	09/20/07 A	05/31/07	05/31/07	-79	0	100%		746		754
	Field Geophysical	CH2	8	08/14/07 A	12/14/07	06/07/07	06/07/07	-134	-61	25%	152	758	746	756
	Geology & Engineering (Karst investigation Memo)	CH2	11	12/17/07	12/31/07	06/06/07	06/06/07	-146	0	0%	152	788	754	

2006 Q2 Q3 Q4 | 2007 Q1 Q2 Q3 Q4 | 2008 Q1 Q2 Q3 Q4

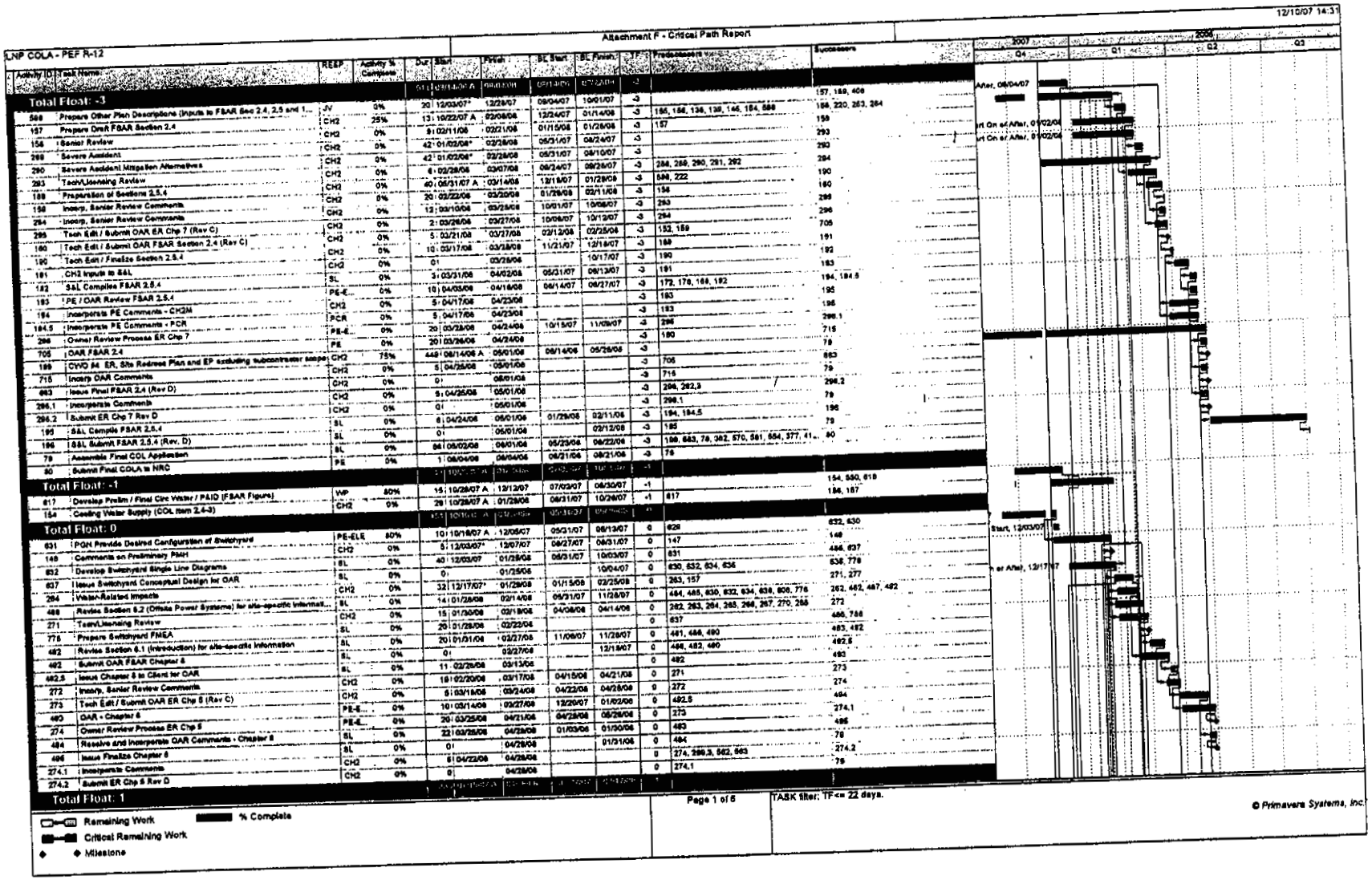
Primary Baseline | Remaining Work | Critical Remaining Work | Milestone | % Complete | Summary

Page 21 of 21

TASK filter: All Activities

© Primavera Systems, Inc.

CONFIDENTIAL



12/10/07 14:31

Attachment F - Critical Path Report

LNP COLA - PEF R-12

Activity ID	Task Name	REEP	Activity % Complete	Dur	Start	Finish	BL Start	BL Finish	TF	Predecessors	Successors
Total Float: -3											
588	Prepare Other Plan Descriptions (Inputs to FSAR Sec 2.4, 2.5 and 1...	JV	0%	20	12/03/07*	12/28/07	09/04/07	10/01/07	-3		157, 159, 408
157	Prepare Draft FSAR Section 2.4	CH2	25%	131	10/22/07 A	02/08/08	12/24/07	01/14/08	-3	185, 156, 136, 139, 146, 184, 588	158, 220, 263, 264
158	Senior Review	CH2	0%	9	02/11/08	02/21/08	01/15/08	01/28/08	-3	157	159
288	Severe Accident	CH2	0%	42	01/02/08*	02/28/08	06/31/07	08/24/07	-3		293
290	Severe Accident Mitigation Alternatives	CH2	0%	42	01/02/08*	02/28/08	05/31/07	08/10/07	-3		294
283	Tech/Licensing Review	CH2	0%	6	02/28/08	03/07/08	08/24/07	08/29/07	-3	284, 288, 290, 291, 292	190
159	Preparation of Sections 2.5.4	CH2	0%	40	06/31/07 A	03/14/08	12/18/07	01/29/08	-3	588, 222	160
160	Incorp. Senior Review Comments	CH2	0%	20	02/22/08	03/20/08	01/29/08	02/11/08	-3	158	288
284	Incorp. Senior Review Comments	CH2	0%	13	03/10/08	03/25/08	10/01/07	10/08/07	-3	293	296
295	Tech Edit / Submit OAR ER Chp 7 (Rev C)	CH2	0%	2	03/26/08	03/27/08	10/08/07	10/12/07	-3	294	705
160	Tech Edit / Submit OAR FSAR Section 2.4 (Rev C)	CH2	0%	5	03/21/08	03/27/08	03/12/08	03/25/08	-3	152, 159	191
190	Tech Edit / Finalize Section 2.5.4	CH2	0%	10	03/17/08	03/28/08	11/21/07	12/18/07	-3	160	192
191	CH2 Inputs to S&L	CH2	0%	0		03/28/08		10/17/07	-3	190	193
192	S&L Compiles FSAR 2.5.4	SL	0%	5	03/31/08	04/02/08	05/31/07	08/13/07	-3	191	194, 194.5
193	PE / OAR Review FSAR 2.5.4	PE-E...	0%	10	04/03/08	04/16/08	08/14/07	08/27/07	-3	172, 176, 188, 192	195
194	Incorporate PE Comments - CH2M	CH2	0%	5	04/17/08	04/23/08			-3	193	196
194.5	Incorporate PE Comments - PCR	PCR	0%	5	04/17/08	04/23/08			-3	193	296.1
296	Owner Review Process ER Chp 7	PE-E...	0%	20	03/26/08	04/24/08	10/15/07	11/09/07	-3	296	715
705	OAR FSAR 2.4	PE	0%	20	03/26/08	04/24/08			-3	190	79
189	CWD #4 ER, Site Redress Plan and EP excluding subcontractor scope	CH2	75%	448	08/14/06 A	05/01/08	08/14/06	05/25/08	-3		883
715	Incorp OAR Comments	CH2	0%	5	04/25/08	05/01/08			-3	705	79
883	Issue Final FSAR 2.4 (Rev D)	CH2	0%	0		05/01/08			-3	715	296.2
296.1	Incorporate Comments	CH2	0%	5	04/25/08	05/01/08			-3	296, 282,3	79
296.2	Submit ER Chp 7 Rev D	SL	0%	0		05/01/08			-3	296.1	196
195	S&L Compile FSAR 2.5.4	SL	0%	6	04/24/08	05/01/08	01/29/08	02/11/08	-3	194, 194.5	79
196	S&L Submit FSAR 2.5.4 (Rev. D)	SL	0%	0		05/01/08		02/12/08	-3	195	80
79	Assemble Final COL Application	PE	0%	66	05/02/08	08/01/08	05/23/08	08/22/08	-3	188, 883, 78, 382, 670, 581, 884, 377, 41...	
80	Submit Final COLA to NRC			1	08/04/08	08/04/08	08/21/08	08/21/08	-3	79	
Total Float: -1											
617	Develop Prelim / Final Circ Water / PAID (FSAR Figure)	WP	80%	15	10/29/07 A	12/12/07	07/03/07	08/30/07	-1		154, 550, 619
154	Cooling Water Supply (COL Item 2.4-3)	CH2	0%	29	10/29/07 A	01/29/08	08/31/07	10/29/07	-1	617	188, 187
Total Float: 0											
631	PQN Provide Desired Configuration of Switchyard	PE-ELE	80%	10	10/18/07 A	12/05/07	05/31/07	08/13/07	0	628	632, 630
148	Comments on Preliminary PMH	CH2	0%	5	12/03/07*	12/07/07	04/27/07	08/31/07	0	147	148
632	Develop Switchyard Single Line Diagrams	SL	0%	40	12/03/07*	01/28/08	08/31/07	10/03/07	0	631	486, 637
637	Issue Switchyard Conceptual Design for OAR	SL	0%	0		01/25/08		10/04/07	0	630, 632, 634, 636	636, 778
284	Water-Related Impacts	CH2	0%	32	12/17/07*	01/28/08	01/15/08	02/25/08	0	283, 157	271, 277
488	Revise Section 5.2 (Offsite Power Systems) for site-specific informat...	SL	0%	14	01/28/08	02/14/08	05/31/07	11/28/07	0	484, 485, 630, 632, 634, 636, 606, 776	262, 482, 487, 492
271	Tech/Licensing Review	CH2	0%	15	01/30/08	02/19/08	04/08/08	04/14/08	0	282, 283, 284, 285, 286, 287, 270, 288	272
776	Prepare Switchyard FMEA	SL	0%	20	01/28/08	02/22/08			0	637	486, 788
482	Revise Section 6.1 (Introduction) for site-specific information	SL	0%	20	01/31/08	02/27/08	11/08/07	11/28/07	0	481, 486, 490	483, 482
492	Submit OAR FSAR Chapter 6	SL	0%	0		02/27/08		12/18/07	0	486, 482, 490	492.5
482.5	Issue Chapter 6 to Client for OAR	SL	0%	11	02/28/08	03/13/08			0	492	493
272	Incorp. Senior Review Comments	CH2	0%	18	02/20/08	03/17/08	04/15/08	04/21/08	0	271	273
273	Tech Edit / Submit OAR ER Chp 8 (Rev C)	CH2	0%	5	03/18/08	03/24/08	04/22/08	04/28/08	0	272	274
493	OAR - Chapter 6	PE-E...	0%	10	03/14/08	03/27/08	12/20/07	01/02/08	0	492.5	494
274	Owner Review Process ER Chp 8	PE-E...	0%	20	03/25/08	04/21/08	04/28/08	05/29/08	0	273	274.1
494	Resolve and Incorporate OAR Comments - Chapter 6	SL	0%	22	03/28/08	04/28/08	01/03/08	01/30/08	0	493	495
495	Issue Finalize Chapter 6	SL	0%	0		04/28/08		01/31/08	0	494	78
274.1	Incorporate Comments	CH2	0%	5	04/22/08	04/28/08			0	274, 280.3, 562, 563	274.2
274.2	Submit ER Chp 8 Rev D	CH2	0%	0		04/28/08			0	274.1	79
Total Float: 1											

Remaining Work
Critical Remaining Work
Milestone
% Complete

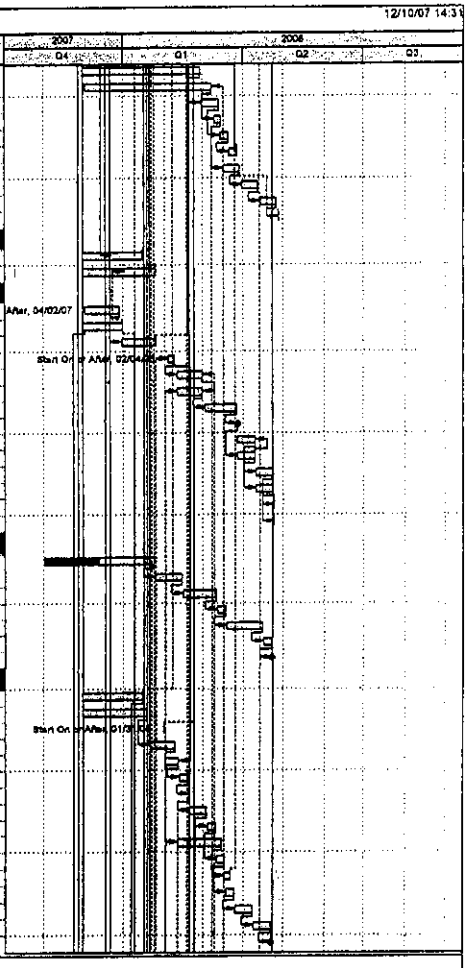
TASK filter: TF<= 22 days.

© Primavera Systems, Inc.

[1] CONFIDENTIAL

LNP COLA - PEF R-12 | Attachment F - Critical Path Report | 12/10/07 14:31

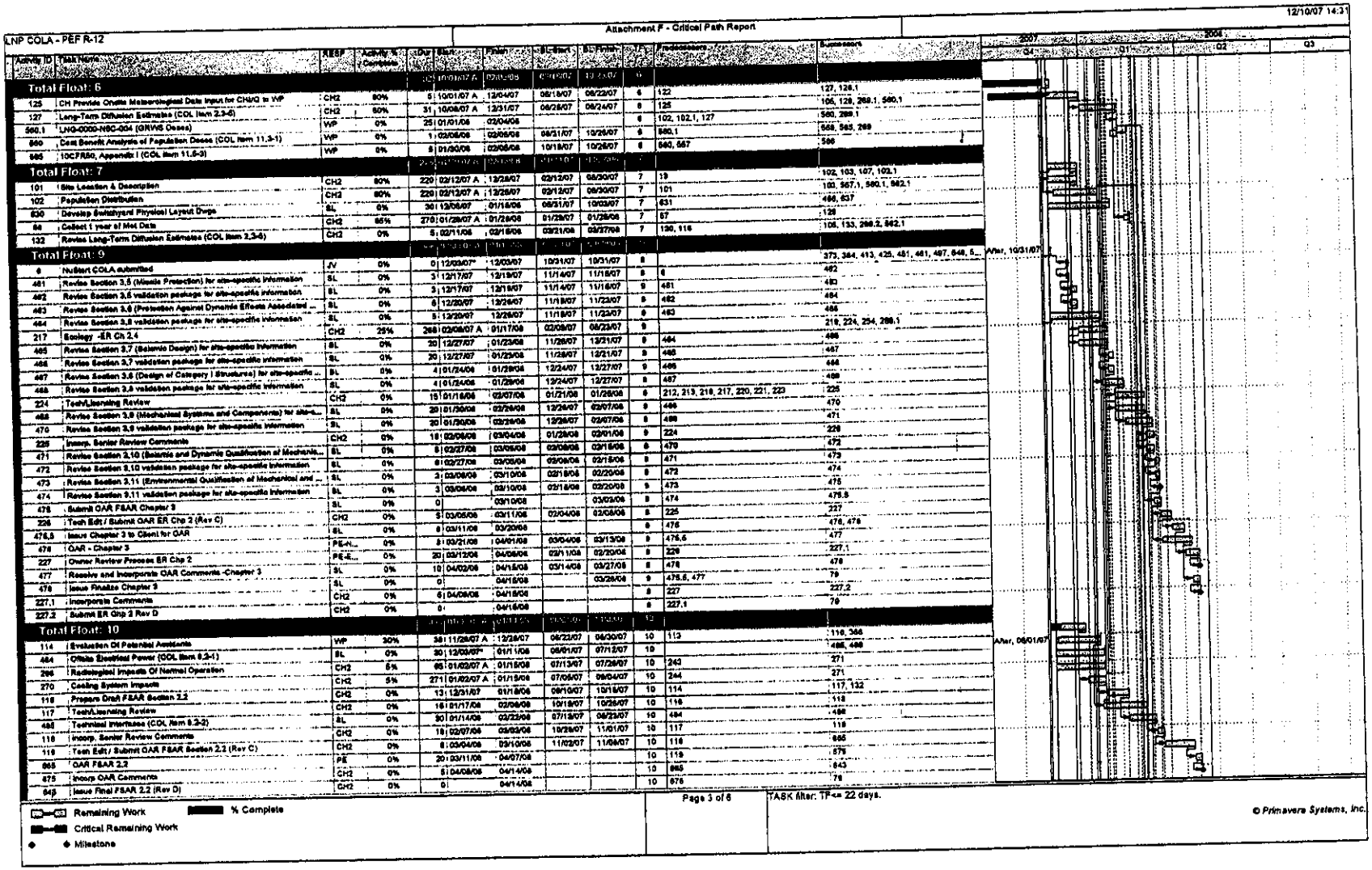
Activity ID	Task Name	RESP	Activity % Complete	Dur	Start	Finish	BL Start	BL Finish	TF	Predecessors	Successors
173	Receive Data From Geometrix (2.5.2)	CH2	50%	0	01/15/07 A	02/28/08	12/14/07	12/14/07	1		174, 183
676	Confirm site-specific X/Q values are bounded by values in Table 15A-8	WP	0%	70	12/03/07	03/07/08	08/27/07	11/02/07	1	126	677
174	Senior Review (2.5.2)	CH2	0%	10	02/29/08	03/13/08	12/14/07	01/10/08	1	173	175
677	FSAR Appendices A/B	WP	0%	5	03/10/08	03/14/08	11/05/07	11/09/07	1	676	678
175	Incorp. Senior Review Comments (2.5.2)	CH2	0%	5	03/14/08	03/20/08	01/11/08	01/24/08	1	174	176
176	Tech Edit / Finalize Section (2.5.2) (Rev C)	CH2	0%	5	03/21/08	03/27/08	01/25/08	02/07/08	1	175	193, 193, 178.1
678	Issue FSAR Chapter 15 to Client for OAR	WP	0%	10	03/17/08	03/28/08	01/28/08	02/08/08	1	677, 672, 674	679, 681
679	OAR - FSAR Chapter 15	PE-N...	0%	10	03/31/08	04/11/08	02/11/08	02/15/08	1	678	680
680	Resolve and Incorporate OAR Comments - FSAR Section 15	WP	0%	10	04/14/08	04/25/08	02/18/08	03/14/08	1	679	681
681	Issue Finalize FSAR Section 15	WP	0%	0	04/28/08	04/28/08	03/17/08	03/17/08	1	678, 680	79
Total Float: 2				33	01/02/07 A	01/2...08	08/31/07	09/2...07	2		
282	Transmission System Impacts	CH2	5%	30	01/02/07 A	01/15/08	05/31/07	07/11/07	2	486	267, 271
284	Socioeconomic Impacts	CH2	0%	5	10/11/07 A	01/25/08	08/21/07	08/27/07	2	213, 267	271
Total Float: 3				30	01/02/07 A	01/24/08	07/16/07	08/...07	3		
486	Grounding and lighting protection (COL Item 8.3-1)	SL	0%	20	12/03/07*	12/28/07	05/31/07	06/03/07	3		490
213	Socioeconomics - ER 2.5	CH2	40%	205	02/18/07 A	12/31/07	02/19/07	08/20/07	3	211	224, 231, 266
490	Revise Section 8.3 (Onsite Power Systems) for site-specific information	SL	0%	20	12/31/07	01/25/08	10/02/07	11/05/07	3	486, 488	492, 491, 492
129	Update Meteorological Data for Actual Site Data	CH2	0%	5	02/04/08*	02/08/08	02/18/08	03/13/08	3	58	130, 564
564	Plant Offsite Dose Calculation Manual (ODCM) (COL Item 11.5-1)	WP	0%	15	02/11/08	02/29/08	03/14/08	04/03/08	3	129, 128	566
566	FSAR Section 11.5	WP	0%	15	02/11/08	03/28/08	03/14/08	04/03/08	3	565, 564	567
567	Issue Chapter 11 to Client for OAR	WP	0%	18	03/03/08	03/28/08	04/04/08	04/17/08	3	566, 558, 566, 559, 561	568
568	Begin OAR - Chapter 11	PE-RP	0%	0		03/27/08		04/24/08	3	567	568.8
447	OAR - Chapter 1	PE-UC	0%	10	03/27/08	04/09/08	01/07/08	01/11/08	3	446.8, 568.8	448
568.8	OAR - Chapter 11	PE-RP	0%	10	03/27/08	04/09/08			3	568	569, 447
448	Resolve and Incorporate OAR Comments -Chapter 1	SL	0%	10	04/10/08	04/23/08	01/14/08	01/25/08	3	447	448
569	Resolve and Incorporate OAR Comments - FSAR Chapter 11	WP	0%	10	04/10/08	04/23/08	04/25/08	05/22/08	3	568.8, 569	570
449	Issue Finalize Chapter 1	SL	0%	0	04/24/08	04/24/08	01/28/08	01/28/08	3	446.8, 448	79
570	Issue Finalize FSAR Chapter 11	WP	0%	0	04/24/08	04/24/08	05/23/08	05/23/08	3	569	79
Total Float: 4				121	10/01/07 A	03/2...08	10/01/07	01/21/08	4		
328	Develop Site Redress Plan	CH2	50%	37	11/01/07 A	01/24/08	11/01/07	12/13/07	4		329
329	Senior Review	CH2	0%	15	01/25/08	02/14/08	12/14/07	12/20/07	4	328	330
330	Incorp. Senior Review Comments	CH2	0%	15	02/15/08	03/11/08	12/21/07	12/27/07	4	329	331
331	Tech Edit / Submit OAR Site Redress Plan (Rev C)	CH2	0%	5	03/12/08	03/18/08	12/28/07	01/03/08	4	330	332
332	Owner Review Site Redress	PE-S...	0%	20	03/18/08	04/15/08	01/04/08	01/31/08	4	331	332.1
332.1	Incorporate Comments Site Redress Plan	CH2	0%	5	04/16/08	04/22/08			4	332	332.2
332.2	Submit Site Redress Rev D	CH2	0%	0		04/23/08			4	332.1	79
Total Float: 5				331	01/02/07 A	04/2...08	09/01/07	05/...08	5		
283	Land-Use Impacts	CH2	5%	46	01/02/07 A	01/15/08	10/01/07	10/29/07	5	72, 212	264, 271, 283
169	Receive Data From Geometrix (2.5.3)	CH2	50%	0	01/15/07 A	01/15/08	02/22/08	02/22/08	5		170, 184
608	PEF Issue Grid Stability Report	PE	0%	1	01/31/08*	01/31/08			5		486
170	Senior Review (2.5.3)	CH2	0%	15	01/21/08	02/08/08	02/22/08	03/26/08	5	168	171
130	CH Provide Site Meteorological Data Input for Revised CH/Q to WP	CH2	0%	7	02/01/08	02/11/08	03/14/08	03/20/08	5	129	132, 131.1
131.1	Update LNG-VES-DEC-001 (CRX/Q) & LNG-0000-DLC-002 (EABL...	WP	0%	5	02/12/08	02/18/08			5	130	131
131	Revise Short-Term Diffusion Estimates (COL Item 2.3-4)	WP	0%	1	02/18/08	02/18/08	03/21/08	03/27/08	5	131.1	133, 678, 282.2
133	Revise Draft FSAR Section 2.3	CH2	0%	9	02/20/08	03/03/08	03/28/08	04/03/08	5	131, 132	134
134	Senior Review/Validation	CH2	0%	5	03/04/08	03/10/08	04/04/08	04/10/08	5	138, 133	136
171	Incorp. Senior Review Comments (2.5.3)	CH2	0%	25	02/11/08	03/14/08	03/28/08	04/25/08	5	170	172
136	Incorp. Senior Review Comments	CH2	0%	5	03/11/08	03/17/08	04/11/08	04/17/08	5	134	136
172	Tech Edit / Finalize Section (2.5.3) (Rev C)	CH2	0%	5	03/17/08	03/21/08	04/25/08	05/06/08	5	171	193, 184, 172.1
138	Tech Edit / Submit OAR Meteorology Section 2.3 (Rev C)	CH2	0%	5	03/18/08	03/24/08	04/18/08	04/24/08	5	135	695
695	OAR FSAR 2.3	PE	0%	10	03/25/08	04/07/08			5	136	695
695	Incorp OAR Comments	CH2	0%	10	04/08/08	04/21/08			5	695	653
663	Issue Final FSAR 2.3 (Rev D)	CH2	0%	0		04/21/08			5	695	79



Remaining Work | % Complete | Critical Remaining Work | Milestone

TASK filter: TF <= 22 days.

© Primavera Systems, Inc.



LNP COLA - PEF R-12

Attachment F - Critical Path Report

12/10/07 14:31

Activity ID	Task Name	RESP	Activity % Complete	Dur	Start	Finish	BL Start	BL Finish	TF	Predecessors	Successors
Total Float: 6											
125	CH Provide Onsite Meteorological Data Input for CH/Q to WP	CH2	80%	5	10/01/07 A	12/04/07	08/15/07	08/22/07	6	122	127, 128.1
127	Long-Term Diffusion Estimates (COL Item 2.3-5)	CH2	80%	31	10/04/07 A	12/31/07	08/28/07	09/24/07	6	125	105, 128, 268.1, 560.1
560.1	LNG-0000-N6C-004 (GRWS Cases)	WP	0%	25	01/01/08	02/04/08			6	102, 102.1, 127	560, 289.1
560	Cost Benefit Analysis of Population Doses (COL Item 11.3-1)	WP	0%	1	02/05/08	02/05/08	08/31/07	10/26/07	6	560.1	568, 565, 289
565	10CFR50, Appendix I (COL Item 11.5-3)	WP	0%	5	01/30/08	02/05/08	10/19/07	10/26/07	6	560, 567	566
Total Float: 7											
101	Site Location & Description	CH2	80%	220	02/12/07 A	12/28/07	02/12/07	08/30/07	7	19	102, 103, 107, 102.1
102	Population Distribution	CH2	80%	220	02/12/07 A	12/28/07	02/12/07	08/30/07	7	101	160, 567.1, 560.1, 562.1
630	Develop Switchyard Physical Layout Dwgs	SL	0%	301	12/06/07	01/15/08	08/31/07	10/03/07	7	631	466, 637
84	Collect 1 year of Met Data	CH2	85%	270	01/29/07 A	01/28/08	01/29/07	01/28/08	7	87	128
132	Revise Long-Term Diffusion Estimates (COL Item 2.3-5)	CH2	0%	5	02/11/08	02/15/08	03/21/08	03/27/08	7	130, 116	108, 133, 268.2, 562.1
Total Float: 9											
6	NuStart COLA submitted	JV	0%	0	12/03/07*	12/03/07	10/31/07	10/31/07	8		373, 384, 413, 425, 481, 461, 497, 648, 5...
481	Revise Section 3.5 (Missile Protection) for site-specific information	SL	0%	3	12/17/07	12/19/07	11/14/07	11/16/07	9	6	462
462	Revise Section 3.5 validation package for site-specific information	SL	0%	3	12/17/07	12/19/07	11/14/07	11/16/07	9	481	463
463	Revise Section 3.6 (Protection Against Dynamic Effects Associated ...	SL	0%	6	12/20/07	12/26/07	11/19/07	11/23/07	9	462	464
464	Revise Section 3.6 validation package for site-specific information	SL	0%	5	12/20/07	12/26/07	11/19/07	11/23/07	9	463	466
217	Ecology -ER Ch 2.4	CH2	25%	268	03/08/07 A	01/17/08	02/08/07	08/23/07	9		219, 224, 254, 286.1
485	Revise Section 3.7 (Seismic Design) for site-specific information	SL	0%	20	12/27/07	01/23/08	11/28/07	12/21/07	9	464	486
486	Revise Section 3.7 validation package for site-specific information	SL	0%	20	12/27/07	01/23/08	11/28/07	12/21/07	9	485	487
487	Revise Section 3.8 (Design of Category I Structures) for site-specific ...	SL	0%	4	01/24/08	01/29/08	12/24/07	12/27/07	9	486	488
488	Revise Section 3.8 validation package for site-specific information	SL	0%	4	01/24/08	01/29/08	12/24/07	12/27/07	9	487	225
224	Tech/Licensing Review	CH2	0%	15	01/16/08	02/07/08	01/21/08	01/25/08	9	212, 213, 218, 217, 220, 221, 223	470
468	Revise Section 3.9 (Mechanical Systems and Components) for site-s...	SL	0%	20	01/30/08	02/26/08	12/24/07	02/07/08	9	488	471
470	Revise Section 3.9 validation package for site-specific information	SL	0%	20	01/30/08	02/26/08	12/26/07	02/07/08	9	468	226
226	Incorp. Senior Review Comments	CH2	0%	18	02/06/08	03/04/08	01/28/08	02/01/08	9	224	472
471	Revise Section 3.10 (Seismic and Dynamic Qualification of Mechanic...	SL	0%	8	02/27/08	03/06/08	02/08/08	02/15/08	9	470	473
472	Revise Section 3.10 validation package for site-specific information	SL	0%	8	02/27/08	03/06/08	02/08/08	02/15/08	9	471	474
473	Revise Section 3.11 (Environmental Qualification of Mechanical and ...	SL	0%	3	03/06/08	03/10/08	02/18/08	02/20/08	9	472	475
474	Revise Section 3.11 validation package for site-specific information	SL	0%	3	03/06/08	03/10/08	02/18/08	02/20/08	9	473	475.5
475	Submit OAR FSAR Chapter 3	SL	0%	0		03/10/08		03/03/08	9	474	227
226	Tech Edit / Submit OAR ER Chp 2 (Rev C)	CH2	0%	5	03/05/08	03/11/08	02/04/08	02/08/08	9	225	476, 478
476.5	Issue Chapter 3 to Client for OAR	SL	0%	0	03/11/08	03/20/08			9	476	477
478	OAR - Chapter 3	PE-N...	0%	5	03/21/08	04/01/08	03/04/08	03/13/08	9	475.6	227.1
227	Owner Review Process ER Chp 2	PE-E...	0%	20	03/12/08	04/08/08	02/11/08	02/20/08	9	229	479
477	Receive and Incorporate OAR Comments -Chapter 3	SL	0%	10	04/02/08	04/15/08	03/14/08	03/27/08	9	478	79
479	Issue Finalize Chapter 3	SL	0%	0		04/15/08		03/28/08	9	478.6, 477	227.2
227.1	Incorporate Comments	CH2	0%	5	04/09/08	04/15/08			9	227	79
227.2	Submit ER Chp 2 Rev D	CH2	0%	0		04/15/08			9	227.1	
Total Float: 10											
114	Evaluation Of Potential Accidents	WP	30%	351	11/26/07 A	12/28/07	06/22/07	06/30/07	10	113	116, 366
484	Offsite Electrical Power (COL Item 8.2-1)	SL	0%	30	12/03/07*	01/11/08	06/01/07	07/12/07	10		485, 488
266	Radiological Impacts Of Normal Operation	CH2	5%	95	01/02/07 A	01/15/08	07/13/07	07/26/07	10	243	271
270	Cooling System Impacts	CH2	5%	271	01/02/07 A	01/15/08	07/05/07	08/04/07	10	244	271
116	Prepare Draft FSAR Section 2.2	CH2	0%	13	12/31/07	01/15/08	08/10/07	10/15/07	10	114	117, 132
117	Tech/Licensing Review	CH2	0%	18	01/17/08	02/06/08	10/16/07	10/26/07	10	116	118
485	Technical Interfaces (COL Item 8.2-2)	SL	0%	90	01/14/08	03/23/08	07/13/07	08/23/07	10	484	486
118	Incorp. Senior Review Comments	CH2	0%	18	02/07/08	03/03/08	10/29/07	11/01/07	10	117	119
119	Tech Edit / Submit OAR FSAR Section 2.2 (Rev C)	CH2	0%	5	03/04/08	03/10/08	11/02/07	11/08/07	10	118	865
865	OAR FSAR 2.2	PE	0%	20	03/11/08	04/07/08			10	119	875
875	Incorp OAR Comments	CH2	0%	5	04/08/08	04/14/08			10	865	843
843	Issue Final FSAR 2.2 (Rev D)	CH2	0%	0		04/14/08			10	875	79

Remaining Work | % Complete | Critical Remaining Work | Milestone

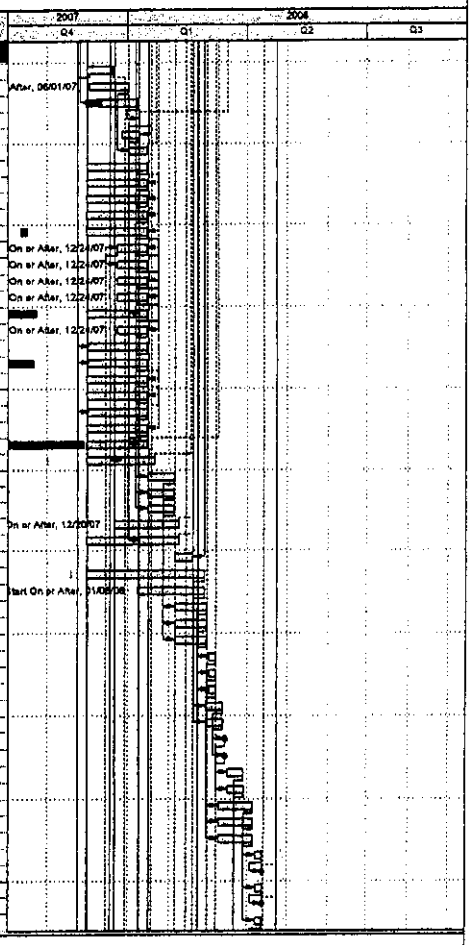
TASK filter: TF<= 22 days.

© Primavera Systems, Inc.

CONFIDENTIAL

LNP COLA - PEF R-12 | Attachment F - Critical Path Report | 12/10/07 14:31

Activity ID	Task Name	RESP	Activity % Complete	Dur	Start	Finish	BL Start	BL Finish	TF	Predecessors	Successors
Total Float: 11				365	01/02/07 A	01/15/09	02/19/07	09/15/08	11		
214	Cultural Resources Interface	CH2	80%	143	02/19/07 A	12/20/07	02/19/07	09/07/07	11		215, 250
480	PEF Provide Transmission System Interconnections	PE-ELE	0%	22	12/03/07*	01/01/08	08/01/07	07/02/07	11		481
126.1	LNG-VES-GEL-001 (CX/XG)<1yr & LNG-000-GLC-002 (EAB,DZ X/...	WP	30%	20	11/30/07 A	01/08/08			11	125	126
126	Short-Term Diffusion Estimates (COL Item 2.3-4)	WP	0%	1	01/08/08	01/09/08	08/25/07	08/24/07	11	126.1	128, 675, 292.1
292.1	LNG-0000-NSC-002 (DBA)	WP	0%	10	12/27/07	01/09/08			11	126	292
481	Develop a brief description of offsite system	EL	0%	10	01/02/08	01/15/08	07/03/07	07/18/07	11	480	482
319	Unavoidable Adverse Environmental Impacts	CH2	5%	10	08/14/07 A	01/15/08	09/14/07	09/27/07	11	318	320, 321, 322, 323
320	Benefit-Cost Balance- ER Ch 10	CH2	5%	10	08/14/07 A	01/15/08	09/14/07	09/27/07	11	319	323
321	Irreversible and Irretrievable Commitments of Resources	CH2	5%	10	08/21/07 A	01/15/08	09/21/07	10/04/07	11	319	323
322	Relationship Between Short Term Uses and Long Term Productivity ...	CH2	5%	10	08/28/07 A	01/15/08	09/28/07	10/11/07	11	319	323
276	Ecological Monitoring	CH2	5%	56	10/12/07 A	01/15/08	05/31/07	09/12/07	11	264	282, 283
277	Hydrological Monitoring	CH2	0%	17	12/24/07*	01/15/08	01/02/08	02/19/08	11	186, 264	278, 279, 280, 282, 283
278	Thermal Monitoring	CH2	0%	17	12/24/07*	01/15/08	01/02/08	02/19/08	11	277	282, 283
279	Radiological Monitoring	CH2	0%	17	12/24/07*	01/15/08	02/19/08	03/19/08	11	277	282, 283
280	Chemical Monitoring	CH2	0%	17	12/24/07*	01/15/08	01/02/08	02/19/08	11	277	282, 283
281	Meteorological Monitoring	CH2	50%	66	08/01/07 A	01/15/08	05/31/07	08/06/07	11	126	282, 283
282	Summary of Monitoring Programs -ER Ch 6	CH2	0%	17	12/24/07*	01/15/08	03/18/08	03/25/08	11	280, 278, 277, 276, 279, 281	283
250	Land-Use Impacts	CH2	5%	15	01/02/07 A	01/15/08	05/04/07	05/27/07	11	204, 214	256
251	Socioeconomic Impacts	CH2	20%	22	10/01/07 A	01/15/08	05/31/07	06/22/07	11	213	256, 282
252	Radiation Exposure to Construction Workers	CH2	5%	271	01/02/07 A	01/15/08	11/30/07	12/27/07	11	251	256, 258
253	Water-Related Impacts	CH2	5%	86	01/02/07 A	01/15/08	05/31/07	09/06/07	11	187	256
284	Ecological Impacts	CH2	5%	136	07/27/07 A	01/15/08	09/18/07	10/11/07	11	217	256, 278
255	Measures & Controls to Limit Adverse Impacts During Construction	CH2	5%	30	01/02/07 A	01/15/08	12/28/07	01/24/08	11	252	256
128	Prepare Draft FSAR Section 2.3	CH2	85%	80	08/31/07 A	01/15/08	08/27/07	11/21/07	11	126, 127	134, 221, 281, 664
164	Flood Protection Emergency Operations Procedures (COL Item 2.4-6)	CH2	0%	20	11/01/07 A	01/21/08	11/30/07	12/27/07	11	134, 163, 164, 165, 146	167
323	Tech/Licensing Review	CH2	0%	15	01/16/08	02/05/08	10/12/07	10/19/07	11	316, 320, 321, 322	324
283	Tech/Licensing Review	CH2	0%	15	01/16/08	02/05/08	03/26/08	04/01/08	11	280, 278, 277, 276, 279, 280, 281, 282	284
256	Tech/Licensing Review	CH2	0%	15	01/16/08	02/05/08	01/28/08	01/31/08	11	280, 281, 282, 253, 284, 255	257
291	Provide Calculation Documenting DBA Input for ER CH.7 Consistent ...	CH2	0%	30	12/21/07*	02/06/08	05/31/07	07/20/07	11		293
292	Design Basis Accident	CH2	5%	2	01/22/07 A	02/06/08	05/31/07	06/20/07	11	292.1	293
950	FSAR Section 11.3	WP	0%	10	02/06/08	02/19/08	10/26/07	11/08/07	11	580	587, 589
1210	Preliminary & Final Calcs - Calc Package II	CH2	0%	80	11/19/07 A	02/28/08			11		1211
1220	Preliminary & Final Calcs - Calc Package III	CH2	0%	35	01/08/08*	02/28/08			11		1221
924	Incorp. Senior Review Comments	CH2	0%	15	02/06/08	02/29/08	10/19/07	10/25/07	11	323	325
284	Incorp. Senior Review Comments	CH2	0%	15	02/06/08	02/29/08	04/01/08	04/08/08	11	283	285
257	Incorp. Senior Review Comments	CH2	0%	15	02/06/08	02/29/08	02/01/08	02/07/08	11	256	259
326	Tech Edit / Submit OAR ER Chp 10 (Rev C)	CH2	0%	5	03/03/08	03/07/08	10/26/07	11/01/07	11	324	326
285	Tech Edit / Submit OAR ER Chp 8 (Rev C)	CH2	0%	5	03/03/08	03/07/08	04/08/08	04/15/08	11	284	286
258	Tech Edit / Submit OAR ER Chp 4 (Rev C)	CH2	0%	5	03/03/08	03/07/08	02/08/08	02/14/08	11	257	258
1211	Independent Review - Calc Package II	CH2	0%	10	02/29/08	03/13/08			11	1210	1212
1221	Independent Review - Calc Package III	CH2	0%	10	02/29/08	03/13/08			11	1220	1222
1212	OAR Submittal (Rev. C) - Calc Package II	CH2	0%	0		03/14/08			11	1211	1213
1222	OAR Submittal (Rev. C) - Calc Package III	CH2	0%	0		03/14/08			11	1221	1223
1213	PE Review - Calc Package II	CH2	0%	10	03/17/08	03/28/08			11	1212	1214
1223	PE Review - Calc Package III	CH2	0%	10	03/17/08	03/28/08			11	1222	1224
326	Owner Review Process ER Chp 10	PE-E...	0%	20	03/10/08	04/04/08	11/02/07	11/28/07	11	326	326.1
286	Owner Review Process ER Chp 8	PE-E...	0%	20	03/10/08	04/04/08	04/15/08	05/13/08	11	286	286.1
258	Owner Review Process ER Chp 4	PE-E...	0%	20	03/10/08	04/04/08	02/15/08	03/13/08	11	258	258.1
258.1	Incorporate Comments	CH2	0%	5	04/07/08	04/11/08			11	259	259.2
258.2	Submit ER Chp 4 Rev D	CH2	0%	0		04/11/08			11	258.1	78
286.1	Incorporate Comments	CH2	0%	5	04/07/08	04/11/08			11	286	286.2
286.2	Submit ER Chp 8 Rev D	CH2	0%	0		04/11/08			11	286.1	78
326.1	Incorporate Comments	CH2	0%	5	04/07/08	04/11/08			11	326	326.2



Remaining Work | % Complete | Critical Remaining Work | Milestone

TASK filter: TF<= 22 days.

© Primavera Systems, Inc.

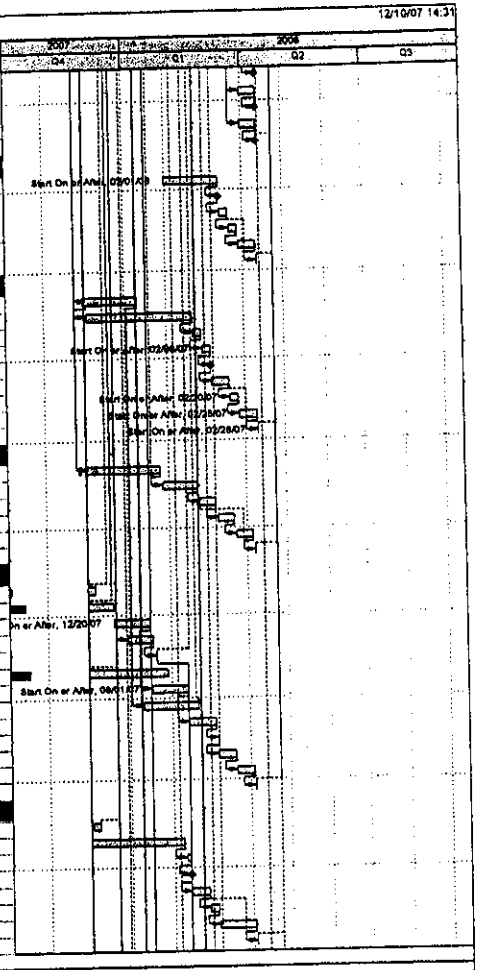
[1] CONFIDENTIAL

12/10/07 14:31

LNP COLA - PEF R-12

Attachment F - Critical Path Report

Activity ID	Task Name	RESP	Activity % Complete	Dur	Start	Finish	BL Start	BL Finish	TF	Predecessors	Successors
		CH2	0%	0		04/11/08			11	326.1	79
326.2	Submit ER Chp 10 Rev D	CH2	0%	10	03/31/08	04/11/08			11	1213	1215
1214	Incorporate PE Comments - Calc Package II	CH2	0%	0		04/11/08			11	1214	79
1215	OAR Submittal (Rev. D) - Calc Package II	CH2	0%	10	03/31/08	04/11/08			11	1223	1225
1224	Incorporate PE Comments - Calc Package III	CH2	0%	0		04/11/08			11	1224	79
1229	OAR Submittal (Rev. D) - Calc Package III										
Total Float: 12											
512	Revise Chapter 10 for site-specific information	SL	0%	30	02/01/08*	03/13/08	02/01/08	03/13/08	12		513, 514
514	Submit OAR FSAR Chapter 10	SL	0%	0		03/13/08		03/20/08	12	512	514.5
514.5	Issue Chapter 10 to Client for OAR	SL	0%	5	03/14/08	03/20/08			12	514	515, 517
515	OAR - Chapter 10	PE-P...	0%	5	03/21/08	03/27/08	03/21/08	03/27/08	12	514.5	516
516	Resolve and Incorporate OAR Comments - Chapter 10	SL	0%	10	03/28/08	04/10/08	03/28/08	04/10/08	12	515	517
517	Issue Finalize Chapter 10	SL	0%	0	04/11/08	04/11/08	04/11/08	04/11/08	12	514.5, 516	79
Total Float: 13											
546	Revise FSAR Section 10.1 - 10.3	WP	0%	30	11/30/07 A	01/10/08	11/06/07	02/06/08	13	6	547, 548
547	Circulating Water Supply (COL Item 10.4-1)	WP	0%	58	12/03/07	02/20/08	11/06/07	01/23/08	13	546	548
548	Condensate, Feedwater and Auxiliary Steam System Chemistry Cont...	RU	0%	5	02/21/08	02/27/08	01/24/08	01/30/08	13	547	550
550	FSAR Section 10.4	WP	0%	5	02/28/08*	03/05/08	02/24/08	03/28/08	13	548, 549, 815, 817	551
551	Submit OAR FSAR Chapter 10	WP	0%	0		03/05/08		04/11/08	13	550	551.5
551.5	Issue Chapter 10 to Client for OAR	WP	0%	10	03/06/08	03/19/08			13	551	552, 554
552	OAR - Chapter 10	PE-S...	0%	5	03/20/08*	03/26/08	04/14/08	04/18/08	13	551.5	553
553	Resolve and Incorporate OAR Comments -Chapter 10	WP	0%	10	03/27/08*	04/09/08	04/21/08	05/02/08	13	552	554
554	Issue Finalize FSAR Chapter 10	WP	0%	0	04/10/08*	04/10/08	05/05/08	05/05/08	13	551.5, 553	79
Total Float: 15											
413	FSAR Chapter 14 - Initial Test Program and ITAAC	WP	2%	48	11/26/07 A	01/25/08	10/31/07	01/01/08	15	6	408, 414
408	FSAR Chapter 13 - Conduct of Operations	WP	0%	20	01/28/08	02/23/08	01/14/08	02/08/08	15	413, 586	409
409	Internal Review / Comments Resolution / Submit OAR Chapter 13	WP	0%	10	02/25/08	03/07/08	02/11/08	02/22/08	15	408	410, 412
410	OAR Chapter 13	PE-O...	0%	10	03/10/08	03/21/08	02/25/08	03/07/08	15	409	411
411	Resolve and Incorporate OAR Comments- Chapter 13	WP	0%	10	03/24/08	04/04/08	03/10/08	03/21/08	15	410	412
412	Issue Finalize Chapter 13	WP	0%	0	04/07/08	04/07/08	03/24/08	03/24/08	15	408, 411	79
Total Float: 17											
155	Groundwater (COL Item 2.4-4)	CH2	60%	85	07/02/07 A	12/06/07	06/31/07	08/06/07	17	42	156, 157, 277, 155.1
139	Hydrological Description (COL Item 2.4-1)	CH2	60%	223	01/22/07 A	12/20/07	01/22/07	09/28/07	17	13, 68	156, 157
588	Vulnerability Analysis & Protective Strategy Assessment	SL	0%	20	12/20/07*	01/16/08	12/20/07	01/15/08	17		588, 590
557.1	LNG-0000-HSC-003 (LRWS Desc)	WP	0%	15	12/31/07	01/18/08			17	102, 102.1	557, 289.1
587	Cost Benefit Analysis of Population Doses (COL Item 11.2-2)	WP	0%	1	01/21/08	01/21/08	08/31/07	09/14/07	17	557.1	558, 585, 289
139	Floods (COL Item 2.4-2)	CH2	60%	436	08/29/06 A	01/29/08	08/28/06	03/27/08	17	13	157
590	Prepare Security Plan incl New Appendices E & F	SL	0%	20	01/17/08*	02/13/08	01/17/08	03/12/08	17	588	591
649	Potable Water (COL Item 10.4-3)	WP	0%	30	01/11/08	02/21/08	02/11/08	03/21/08	17	646	650
591	Review of Security Plan	SL	0%	15	02/14/08	03/05/08	03/13/08	04/02/08	17	590	592
592	Submit Security Plan for Progress Energy OAR	SL	0%	0	03/07/08	03/07/08	04/04/08	04/04/08	17	591, 589	593
593	Progress Energy OAR	PE-S...	0%	10	03/07/08	03/20/08	04/04/08	04/17/08	17	592	594
594	Finalize Security Plan	SL	0%	10	03/21/08	04/03/08	04/18/08	05/01/08	17	593	595
595	Issue Security Plan	SL	0%	0	04/04/08	04/04/08	05/02/08	05/02/08	17	594	79
Total Float: 18											
489	Create Electrical Power Plant Procedures (COL Item 8.3-2)	SL	0%	5	12/03/07	12/07/07	08/04/07	10/01/07	18		490
522	The site-specific portions of the sanitary drainage system will be inco...	SL	30%	149	04/15/07 A	03/06/08	04/18/07	09/06/07	18		523
523	Revise Section 9.2 (Water Systems) for site-specific information	SL	0%	3	02/11/08	02/13/08	08/08/07	08/13/07	18	522	524, 541
541	Submit OAR FSAR Chapter 9	SL	0%	0		02/13/08		12/06/07	18	520, 523, 526, 527, 529	541.5
541.5	Issue Chapter 9 to Client for OAR	SL	0%	10	02/14/08	02/27/08			18	541	542, 544
542	OAR - Chapter 9	PE-S...	0%	5	02/28/08	03/05/08	12/07/07	12/13/07	18	541.5	543
543	Resolve and Incorporate OAR Comments- Chapter 9	SL	0%	20	03/06/08	04/02/08	12/14/07	01/10/08	18	542	544
544	Issue Finalize Chapter 9	SL	0%	0	04/02/08	04/02/08	01/11/08	01/11/08	18	541.5, 543	79



Remaining Work
Critical Remaining Work
Milestone
% Complete

TASK filter: TF <= 22 days.

© Primavera Systems, Inc.

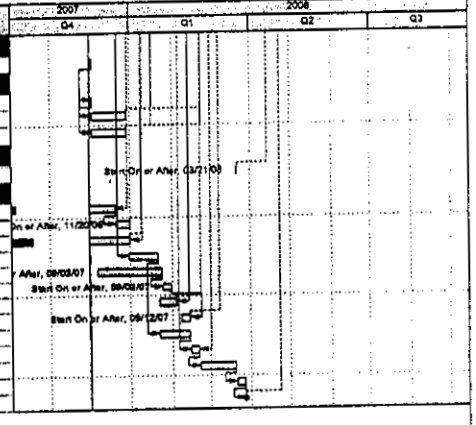
CONFIDENTIAL

12/10/07 14:33

Attachment F - Critical Path Report

LNP COLA - PEF R-12

Activity ID	Task Name	RESP	Activity % Complete	Dur	Start	Finish	BL Start	BL Finish	TF	Predecessors	Successors
Total Float: 20											
633	PGN Provide Description of New Switchyard Relay Protection	PE-ELE	0%	0	12/03/07	12/03/07	05/31/07	05/31/07	20		634, 636
Total Float: 20											
635	PGN Provide Description of Existing Offsite Power Test & Inspection ...	PE-ELE	0%	0	12/03/07	12/03/07	05/31/07	05/31/07	20	633	636
634	Develop Descriptions of Switchyard Prot. Relay Philosophy	SL	0%	20	12/03/07	12/28/07	05/31/07	06/22/07	20	633	486, 637
636	Develop Descriptions of Switchyard Testing & Inspection Plan	SL	0%	20	12/03/07	12/28/07	05/31/07	06/22/07	20	635	486, 637
Total Float: 21									21		
268.3	Update ER 8.4	WP	0%	1	03/21/08*	03/21/08			21	563, 268.2	274.1
Total Float: 22											
215	Cultural Resources Field Investigation	CH2	60%	74	08/14/07 A	12/20/07	08/06/07	09/25/07	22	214	216
216	Cultural Resources Report	CH2	0%	7	12/21/07*	12/31/07	09/26/07	10/23/07	22	215	224
220	Water -ER 2.3	CH2	20%	62	10/01/07 A	12/31/07	07/01/07	01/14/08	22	187	224
102	Tech/Licensing Review	CH2	0%	10	12/31/07	01/31/08	08/31/07	09/06/07	22	101, 105, 103.1	104
873.1	LNG-0000-SLS-003 (LRWS Tank Failure)	WP	0%	30	12/07/07*	01/24/08			22	186.1	873
873	Consequences of Tank Failure (COL Item 19.7-1)	WP	0%	5	01/25/08*	01/31/08	09/03/07	10/08/07	22	873.1	874
858	FSAR Section 11.2	WP	0%	10	01/22/08	02/04/08	09/14/07	09/28/07	22	857	847, 389
574	FSAR Section 15.7 - Radioactive Release from a Subsystem or Com...	WP	0%	5	02/06/08*	02/14/08	09/17/07	10/19/07	22	873	878, 182
104	Incorp. Senior Review Comments	CH2	0%	18	01/22/08	02/14/08	09/07/07	09/13/07	22	103	106
105	Tech Edit / Submit OAR FSAR Section 2.1 (Rev C)	CH2	0%	5	02/15/08	02/21/08	03/26/08	04/03/08	22	104, 127, 132	845
845	OAR FSAR 2.1	PE	0%	20	03/23/08	03/20/08			22	105	856
856	Incorp OAR Comments	CH2	0%	5	03/21/08	03/27/08			22	845	823
823	Issue Final FSAR 2.1 (Rev D)	CH2	0%	0		03/27/08			22	855	79



Remaining Work
% Complete
Critical Remaining Work
Milestone

TASK filter: TF<= 22 days.

© Primavera Systems, Inc.

CONFIDENTIAL

Plan, DOR, and Schedule for FSAR Section 2.5	QA Program DOR
FSAR 2.5.1 Basic Geology	CH2M
FSAR 2.5.2 Vibratory Ground Motions	CH2M
FSAR 2.5.3 Surface Faulting	CH2M
FSAR 2.5.4 Stability of Subsurface Materials	
Prepare 2.5.4 Shell with Preliminary Information	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.1 Geologic Features	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.2 Properties of Subsurface Materials	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.3 Foundation Interface/ Conceptual Design	PCR
Prepare/Review/ Tech Edit 2.5.4.4 Geophysical Surveys	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.5 Excavation And Backfill	PCR
Prepare/Review/Validation/Tech Edit 2.5.4.6.1 Groundwater Conditions	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.6.2 Construction Dewatering	PCR
Prepare/Review/Validation/Tech Edit 2.5.4.7 Response of Soil/Rock to Dynamic Loading	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.8 Liquefaction Potential	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.9 Earthquake Site Characteristics	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.10 Static Stability	PCR
Prepare/Review/Validation/Tech Edit 2.5.4.11 Design Criteria	CH2M
Prepare/Review/Validation/Tech Edit 2.5.4.12 Techniques to Improve Subsurface Conditions design Criteria	PCR
FSAR 2.5.4 Tables 1 through 13 (or equivalent for LNP FSAR). Note Table DOR should be consistent with the subsection DOR shown above.	CH2M
FSAR 2.5.4 Tables 14 and higher (or equivalent for LNP FSAR). Table DOR should be consistent with the subsection DOR shown above.	PCR
Compile Text, Validation 2.5.4	S&L
Submit 2.5.4 Rev C for OAR	S&L
OAR FSAR 2.5.4	PE
Submit Final FSAR 2.5.4 (CH2M DOR)	CH2M
Submit Final FSAR 2.5.4 (PCR DOR)	PCR
Compile Final and Submit FSAR 2.5.4 Rev D	S&L
Westinghouse Inputs and Outputs (SSI)	
Define Inputs (SSI) needed by WEC SSI	PCR
Issue Preliminary geotechnical (SSI) information for review	CH2M
Issue draft design (for SSI) of foundation elements (DW, Drilled Piers, Grouting etc) to WEC	PCR

Geomatrix Issue draft SSI information (NI FIRS, Soil Column, TH) to WEC	CH2M
Issue final insitu geotechnical (SSI) information to WEC	CH2M
Confirm final design (for SSI) of foundation elements (DW, Drilled Piers, Grouting etc) provided to WEC	PCR
Geomatrix Confirm SSI information (NI FIRS, Soil Column, TH) to WEC	CH2M
Westinghouse issues SSI analysis report including comparison of structural forces and floor response spectra to DCD values via progress Energy	PE (WEC)
Westinghouse concurs with wording for COL Item 2.5-3 closure in FSAR	PE (WEC)
PCR Inputs and Outputs (Conceptual Design and FSAR 2.5.4 DOR)	
Define Geotechnical Inputs needed by PCR for Conceptual Design	PCR
Define all other inputs needed by PCR for FSAR 2.5.4 (PCR DOR)	PCR
Define all inputs needed by CH2M from PCR for FSAR 2.5.4 (CH2M DOR)	CH2M
Issue draft Geotechnical Inputs needed by PCR for Conceptual Design	CH2M
Issue final Geotechnical Inputs needed by PCR for Conceptual Design and for FSAR 2.5.4 (PCR DOR)	CH2M
Issue draft design (for SSI) of foundation elements (DW, Drilled Piers, Grouting etc) to CH2M	PCR
Issue final design inputs needed by CH2M from PCR for FSAR 2.5.4 (CH2M DOR)	PCR
EDFs for 2.5.4 (List to be modified for LNP specific requirements) DOR to follow FSAR 2.5 subsection DOR	
Geovison Reports for Main Phase Borings	CH2M
Geovison Reports for Deep Borings	CH2M
Geovision Field & Equipment Records	CH2M
Geovison Software Validation	CH2M
Redpath Geophysics Review Report of Downhole Reports	CH2M
Technos Geophysical Logging Data Reports	CH2M
Technos Field & Equipment Records	CH2M
Technos Software Validation	CH2M
Field Boring Logs & Field QCd boring logs	CH2M
Supplemental Field Documentation (Log Books, Daily Logs, checklists, calibration forms etc)	CH2M
Final Boring Logs	CH2M
Rock Core Photographs	CH2M
Drill Rig Hammer Energy Verification Test Results	CH2M
Geotechnical Lab Test Data from S&ME lab	CH2M
S&ME Software Validation	CH2M
Geomatrix Field Documentation	CH2M
Geomatrix Software Validation	CH2M
In-Situ Soil Testing L.C. Rock PMT data & report	CH2M
In-Situ Soil Testing L.C. software validation	CH2M
FSAR 2.5.1 Validation reports (Geomatrix)	CH2M
FSAR 2.5.2 Validation reports (Geomatrix)	CH2M

FSAR 2.5.3 Validation reports (Geomatrix)	CH2M
Calculations for 2.5.4 (List to be modified for LNP specific requirements) DOR to follow FSAR 2.5 subsection DOR	
Calculation package for SPT data for all borings & prepare SPT blowcount summary for soil layers	CH2M
Calculation package for Soil Strength Property Statistics based on SPT tests	CH2M
Calculation package for Soil Index Property Statistics from lab tests	CH2M
Calculation package for Rock Fracture Summaries	CH2M
Calculation package for Solution cavities encountered in each boring at site	CH2M
Calculation package for Rock Recovery & RQD data for all borings & prepare statistical distribution for rock layers	CH2M
Calculation package for Rock Unconfined Compressive Strength (UCS) statistics for rock layers	CH2M
Calculation package for Rock Modulus values (from Lab Tests, PMT, and Shear Wave Data)	CH2M
Calculation package for Geologic Strength Index (GSI) and Rock Mass Ratings (RMR) and Summary Statistics	CH2M
Calculation package for Rock Dynamic Property Statistics – from borehole seismic geophysical measurements	CH2M
Calculation package for Summary of boreholes & elevation of finalized top of competent rock contour maps	CH2M
Site response & development of SSE Spectra	CH2M
Computation of Rock PSHA and development of controlling earthquake	CH2M
Development of seismic hazard model for Levy site	CH2M
Calculation package for Final Design Sub-soil Profiles for Engineering Analysis	CH2M
Calculation package for Final Engineering Properties of Sub-surface Layers for use in Engineering Analysis	CH2M
Calculation Package for Excavation and Grouting Calc. model– Nuclear Island Excavation	PCR
Calculation Package for Bearing Capacity under Nuclear Island Sub-grades	PCR
Calculation Package for Subsurface Improvement works below NI	PCR
Calculation Package for Conceptual Designs of Drilled Shafts for Turbine Building and other at Grade Structures	PCR
Calculation Package for Sub-grade modulus under Nuclear Island	PCR
Calculation Package for Total & Differential Settlement – Nuclear Island	PCR
Calculation Package for Elastic Settlement based on Shear Wave Velocity – Nuclear Island	PCR
Calculation Package for Elastic Settlement based on PMT data – Nuclear Island	PCR
Calculation Package for Lateral Earth Pressure Calculations – soil, rock & backfill	PCR
Calculation Package for Liquefaction Analysis for soils	CH2M

CONFIDENTIAL

PROJECT MONTHLY STATUS REPORT

SITE CERTIFICATION APPLICATION FOR LNP 1&2
WA # 255934-03

PROGRESS ENERGY FLORIDA

Report for August 2007

Dated: September 20, 2007

SARGENT & LUNDY – CH2M HILL – WORLEYPARSONS JOINT VENTURE

Contract Number:	255934	Customer Organization:	
Contract WA#:	255934-03	Project Manager:	Robert Kitchen
Latest Amendment of Task WA Authorized:	-	Technical Lead / Designated Representative:	Debbie Doyle
		Contractor Project Manager:	A. K. Singh
		Contractor Technical Leads:	Bill Marsh

Issues Requiring Management Attention

The project management team is adequately resolving emergent project issues. None required escalation during the month.

Quality Issues

The scope of work is non safety related. Project quality issues are discussed during the weekly client telecon every other Thursday. These issues are listed in the weekly telecon summary. The JV and Progress Energy project team is apprised of these issues on an on going basis. There were no SCA specific quality issues during August 2007.

Health and Safety Issues

Health and safety issues are discussed during the weekly client telecon every Thursday. These issues are listed in the weekly telecon summary. CH2M Hill site crew is apprised of these issues on an on going basis. There were no SCA specific Health and Safety issues during August 2007.

Teamwork and Accountability Issues

Teamwork and accountability issues are discussed during the weekly client telecon every Thursday. These issues are listed in the weekly telecon summary with the responsible party's name. The issues are resolved on an on going basis. There were no open teamwork and accountability issue as of September 19, 2007.

Project Budget and Invoicing Information

The summary of the project budget and invoicing are as follows:

- Current WA approved budget Redacted
- Impact Evaluation approved budget: Redacted
- Total approved budget:
- Amount invoiced: Redacted
- Remaining approved budget: Redacted
- Amount received: Redacted
- Amount receivable:

Additional details for the above information are tabulated in Attachment A.

Scope Revisions

Project scope change issues are discussed during the weekly client telecon. These issues are listed in the weekly telecon summary. Based on these discussions, impact evaluation for the scope change is prepared. Once the impact evaluation is approved, the affected task scoping documents, project WBS budget, and the project schedule are revised.

Attachment B provides the increase (or decrease) in budgets by impact evaluation and task numbers. Impact Evaluation #76 for Federal Permits is pending approval with a total budget of : Redacted

An additional scope of work to address potential technical gaps identified by NRC has been requested. This scope will be reviewed with Progress Energy prior to Impact Evaluation preparation.

Budget and Schedule Performance

Information on project budget and schedule performance for project tasks is tabulated in Attachment C. The project budget and schedule performance is as follows:

The project is approximately 5% complete.

The actual cost of work performed (AWCP) is lower than the budgeted cost of work performed (BCWP) with a cost performance index (CPI) of 0.63 (>1.00 indicates under budget).

The scheduled percent complete for the overall project is 5%. The cost of work scheduled (BCWS) is approximately the same as the budgeted cost of work performed (BCWP) with a schedule-performance index (SPI) of 1.00 (<1.00 denotes behind schedule).

Request for Information (RFI) List

Design inputs required for COLA preparation from Progress Energy and JVT is tracked by the combined ~~Duke~~, PEF, and SCA project RFI list that is issued weekly as part of the ~~Related~~ COLA documents to facilitate the weekly client telecon. The outstanding requests are discussed with Progress Energy during the SCA bi-weekly telecon. New items are added and completed items are purged from the list weekly. Late RFIs are listed under 'Teamwork and Accountability Issues'.

Project Schedule

The P3v5 SCA Baseline project schedule R0 is attached.

The percent complete for the tasks, expected completion dates, and variation from the Baseline will be noted starting next month.

Risk Matrix

Progress Energy is maintaining a Risk Matrix for SCA. The JV provides inputs to this Risk Matrix. JVT will identify risk inputs starting next month.

Documents Submitted to Client This Month

- None

Other Work Accomplished This Month

- Project Mobilization
- Project schedule
- ER and SCA integration plans
- Meetings with FDEP
- RFIs for data required from Progress Energy, JVT, and others for the SCA

CONFIDENTIAL

ATTACHMENT A

SUMMARY OF PROJECT BUDGET, AMOUNT INVOICED, AMOUNT RECEIVED, AND ACCOUNTS RECEIVABLE

MONTH ENDING August 2007

Task #	Task Description	Approved Budget				Amount Invoiced + Ready for Invoicing			Amount Received			
		WA Approved Budget	IE Approved Budget	Total Approved Budget	Ready for Invoicing	Invoiced	Ready + Invoiced	Remaining Approved Budget	Through Last Month	This Month	Total	Accounts Receivable
1	Prepare/Submit COLA, DCD Departure Report, and General and Administrative Requirements											
	Total											

Redacted

CONFIDENTIAL

ATTACHMENT B

SUMMARY OF APPROVED AND PENDING SCOPE REVISIONS BY IMPACT EVALUATION NUMBER

			Month Ending		August 2007
Impact Eval. No.	**Description**	**Task #**	**Date**	**Amount**	**Status**
	Site Certification Application				
60	WA 255934-03	1	7/6/2007		IE Approved
	Total				
76	Federal Permits	1	9/18/2007	Redacted	Pending
	Total				
	Total WA Amount Approved				
	Total Amount IE Approved				
	Total Amount Pending Approval				

CONFIDENTIAL

ATTACHMENT C

Monthly Performance Summary

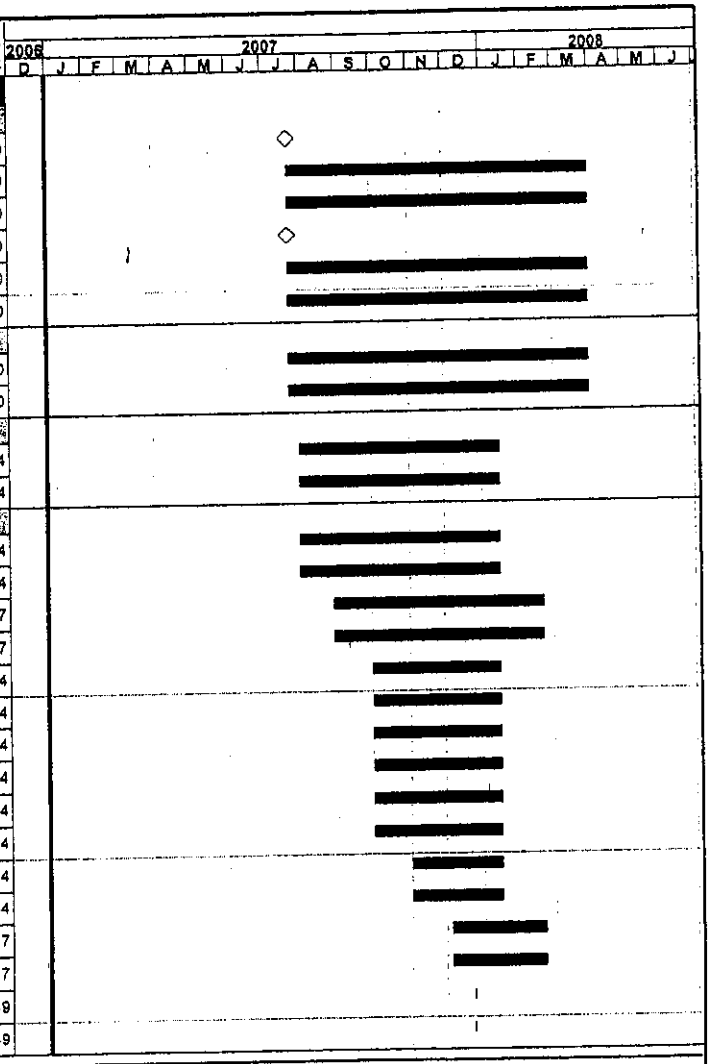
Month Ending: August 2007

WBS	Description	DOR	Client Budget MH	Client Budget $	% Complete	% Scheduled	BCWS MH	BCWS $	BCWP MH	BCWP $	ACWP MH	ACWP $	SV MH	SV $	CV MH	CV $	SPI MH	SPI $	CPI MH	CPI $
1	Task 5 1: Preparation of COLA, DCO Departure Report, and General and Administrative Requirements																1.00	1.00	1.00	1.00
1.2	Site Characterization	CH	1,190		4%	4%	50		50		50		0		0					
1.3	Plant and Assoc. Facilities	CH	70		0%	0%	0		0		0		0		0					
1.4	Construction Impacts	CH	480		0%	0%	0		0		0		0		0					
1.5	Operational Impacts	CH	360		0%	0%	0		0		0		0		0					
1.6	Economic & Social Effects	CH	50		0%	0%	0		0		0		0		0					
1.7	Electrical Transmission Lines	CH	180		0%	0%	0		0		0		0		0					
1.8	Need For Power	CH	30		0%	0%	0		0		0		0		0					
1.9	Site and Design Alternatives	CH	40		0%	0%	0		0		0		0		0					
1.1	Appendices	CH	190		0%	0%	0		0		0		0		0					
1.11	Documentation	CH	840		2%	4%	10		10		20		-10		-10		1.00	0.86	0.50	1.00
1.12	Quality Assurance	CH	430		0%	0%	0		0		0		0		0		1.00	1.00	0.61	0.61
1.13	Project Management	CH	830		20%	20%	170		170		280		-110		-110					
1.14	Project Management	EL	150		0%	0%	0		0		0		0		0		1.91	1.00	0.65	0.63
	Task 01 Target Price		4,616		8%	8%	340		340		348		-7		-107					
	Direct Costs (Travel and Other Expenses)																			

Redacted

Key:	
% Complete	This reflects the current stage of the task and thus helps gage the significance of the performance data.
BCWS	Budgeted Cost of Work Scheduled: This reflects the value of the work that was to be complete by this point in time per the work plan.
BCWP	Budgeted Cost of Work Performed: This reflects the value of the work that has been completed (Earned Value)
ACWP	Actual Cost of Work Performed: This reflects the actual expenditure to date.
SV	Schedule Variance (SV = BCWP - BCWS): This measures the deviation from the project schedule (negative no. indicates behind schedule)
CV	Cost Variance (CV = BCWP - ACWP): This measures the deviation from the project budget (negative no. indicates budget overrun)
SPI	Schedule Performance Index (SPI = BCWP/BCWS): This reflects performance relative to project schedule. (> 1.0 indicates ahead of schedule)
CPI	Cost Performance Index (CPI = BCWP/ACWP): This reflects performance relative to project budget. (>1.0 indicates under budget)

Activity ID	Activity Description	Orig Dur	Rem Dur	% Comp	Early Start	Early Finish	Total Float
SC Site Certification Application (SCA)							
SC.01 Project Management							
SC0100	NTP	0	0	0	23JUL07*		0
SC0101	Management	176	176	0	23JUL07	31MAR08	30
SC0102	Client /Agency Meetings	176	176	0	23JUL07	31MAR08	30
SCSC0100	NTP	0	0	0	23JUL07*		0
SCSC0101	Management	176	176	0	23JUL07	31MAR08	30
SCSC0102	Client /Agency Meetings	176	176	0	23JUL07	31MAR08	30
SC.02 Quality Assurance							
SC0201	Quality Assurance	176	176	0	23JUL07	31MAR08	30
SCSC0201	Quality Assurance	176	176	0	23JUL07	31MAR08	30
SC.03 Need for Power							
SC0301	Need for Power	115	115	0	01AUG07	15JAN08	34
SCSC0301	Need for Power	115	115	0	01AUG07	15JAN08	34
SC.04 Site Characterization							
SC0408	Noise	115	115	0	01AUG07	15JAN08	34
SCSC0408	Noise	115	115	0	01AUG07	15JAN08	34
SC0429	Related Federal Project Activities	122	122	0	29AUG07	21FEB08	7
SCSC0429	Related Federal Project Activities	122	122	0	29AUG07	21FEB08	7
SC0411	Land	73	73	0	01OCT07	15JAN08	34
SC0413	Transmission Corridors & Offsite Areas	73	73	0	01OCT07	15JAN08	34
SC0414	The Region	73	73	0	01OCT07	15JAN08	34
SCSC0411	Land	73	73	0	01OCT07	15JAN08	34
SCSC0413	Transmission Corridors & Offsite Areas	73	73	0	01OCT07	15JAN08	34
SCSC0414	The Region	73	73	0	01OCT07	15JAN08	34
SC0409	Site Location	50	50	0	01NOV07	15JAN08	34
SCSC0409	Site Location	50	50	0	01NOV07	15JAN08	34
SC0425	Historic Properties	56	56	0	04DEC07	21FEB08	7
SCSC0425	Historic Properties	56	56	0	04DEC07	21FEB08	7
SC0415	Water	0	0	0	24DEC07	21DEC07	49
SC0416	Hydrology	0	0	0	24DEC07	21DEC07	49



Start Date 02JAN07
Finish Date 12MAY08
Data Date 02JAN07
Run Date 19SEP07 15:25

Early Bar
Progress Bar
Critical Activity

PEF1 - SCA1
Classic Schedule Layout

Progress Energy - COLA
CH2M HILL
Draft Baseline Schedule

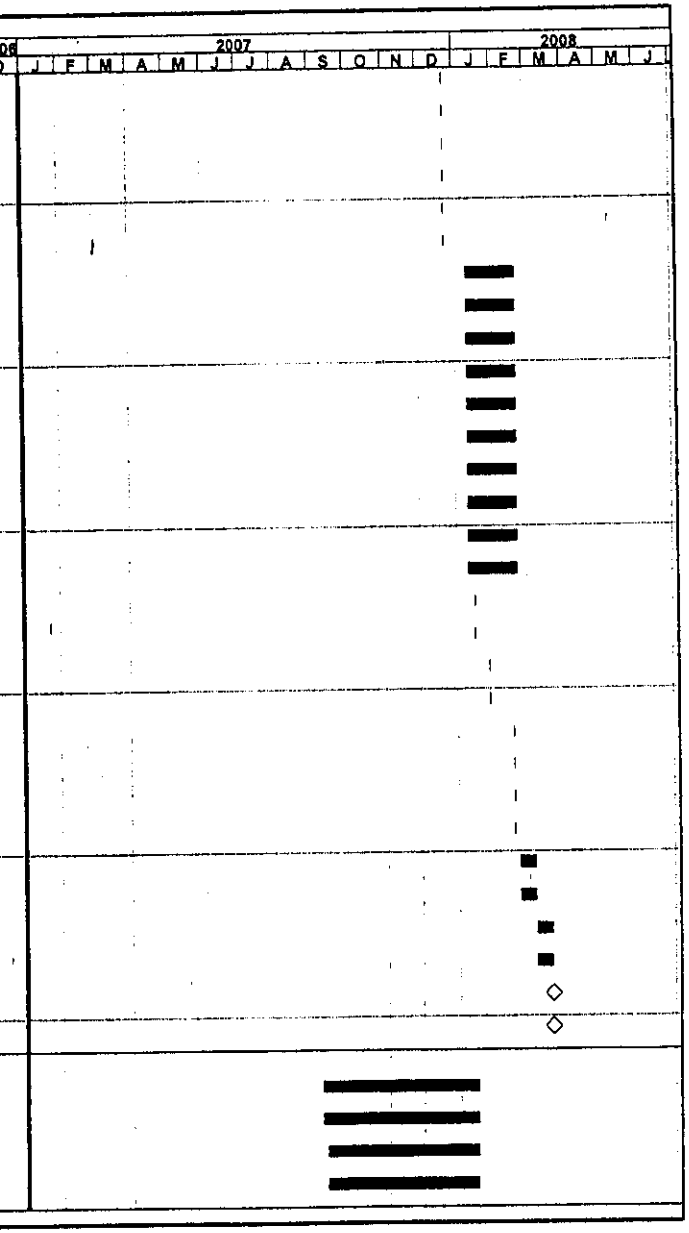
Sheet 1 of 8

Date	Revision	Checked	Approved

© Primavera Systems, Inc.

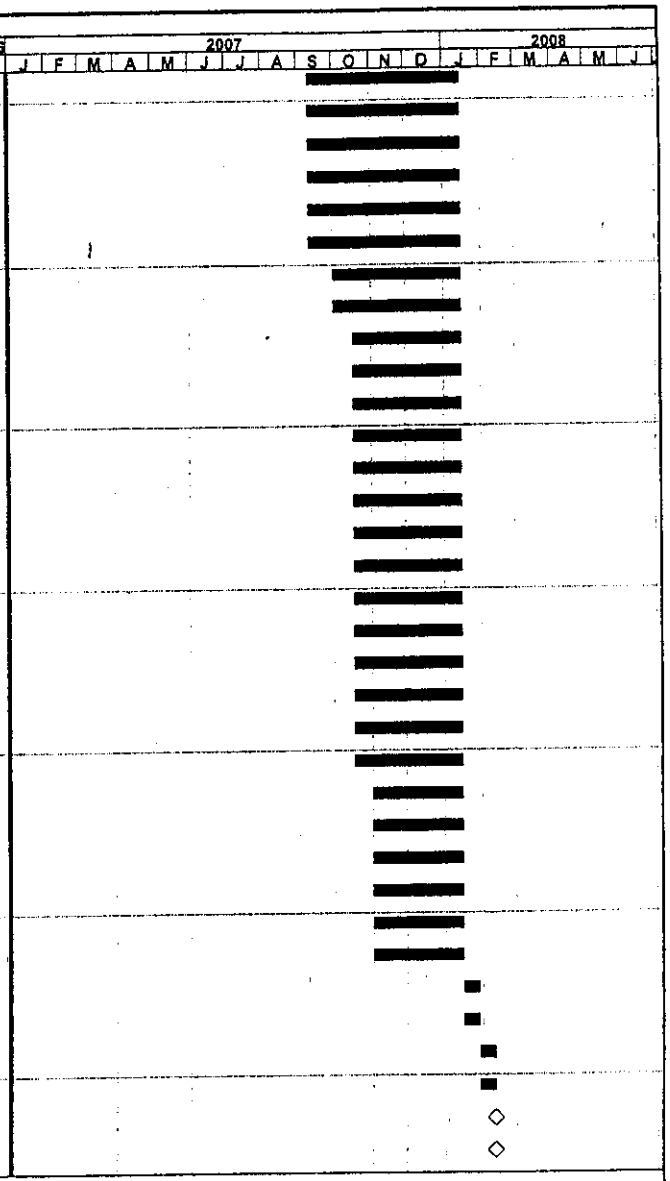
[U] CONFIDENTIAL

Activity ID	Activity Description	Orig Dur	Rem Dur	% Comp	Early Start	Early Finish	Total Float
SC0417	Water Use	0	0	0	24DEC07	21DEC07	49
SC0418	Water Quality	0	0	0	24DEC07	21DEC07	49
SCSC0415	Water	0	0	0	24DEC07	21DEC07	49
SCSC0416	Hydrology	0	0	0	24DEC07	21DEC07	49
SCSC0417	Water Use	0	0	0	24DEC07	21DEC07	49
SCSC0418	Water Quality	0	0	0	24DEC07	21DEC07	49
SC0412	Site & Vicinity	30	30	0	11JAN08	21FEB08	7
SC0422	Socioeconomics	30	30	0	11JAN08	21FEB08	7
SC0423	Demography	30	30	0	11JAN08	21FEB08	7
SC0424	Community Characteristics	30	30	0	11JAN08	21FEB08	7
SC0426	Environmental Justice	30	30	0	11JAN08	21FEB08	7
SCSC0412	Site & Vicinity	30	30	0	11JAN08	21FEB08	7
SCSC0422	Socioeconomics	30	30	0	11JAN08	21FEB08	7
SCSC0423	Demography	30	30	0	11JAN08	21FEB08	7
SCSC0424	Community Characteristics	30	30	0	11JAN08	21FEB08	7
SCSC0426	Environmental Justice	30	30	0	11JAN08	21FEB08	7
SC0427	Geology	0	0	0	16JAN08	15JAN08	34
SCSC0427	Geology	0	0	0	16JAN08	15JAN08	34
SC0428	Meteorology & Air Quality	0	0	0	28JAN08	25JAN08	26
SCSC0428	Meteorology & Air Quality	0	0	0	28JAN08	25JAN08	26
SC0419	Ecology	0	0	0	18FEB08	15FEB08	11
SC0421	Aquatic Ecology	0	0	0	18FEB08	15FEB08	11
SCSC0419	Ecology	0	0	0	18FEB08	15FEB08	11
SCSC0421	Aquatic Ecology	0	0	0	18FEB08	15FEB08	11
SC0430	QA Review	10	10	0	22FEB08	06MAR08	7
SCSC0430	QA Review	10	10	0	22FEB08	06MAR08	7
SC0440	Add - Incorporate Comments	10	10	0	07MAR08	20MAR08	7
SCSC0440	Add - Incorporate Comments	10	10	0	07MAR08	20MAR08	7
SC0450	Add - Submit	0	0	0		20MAR08	7
SCSC0450	Add - Submit	0	0	0		20MAR08	7
SC.05 Plant and Associated Facilities							
SC0503	Reactor Power Conversion System	90	90	0	06SEP07	15JAN08	34
SCSC0503	Reactor Power Conversion System	90	90	0	06SEP07	15JAN08	34
SC0501	Plant Description	87	87	0	11SEP07	15JAN08	34
SC0502	External Appearance and Plant Layout	87	87	0	11SEP07	15JAN08	34



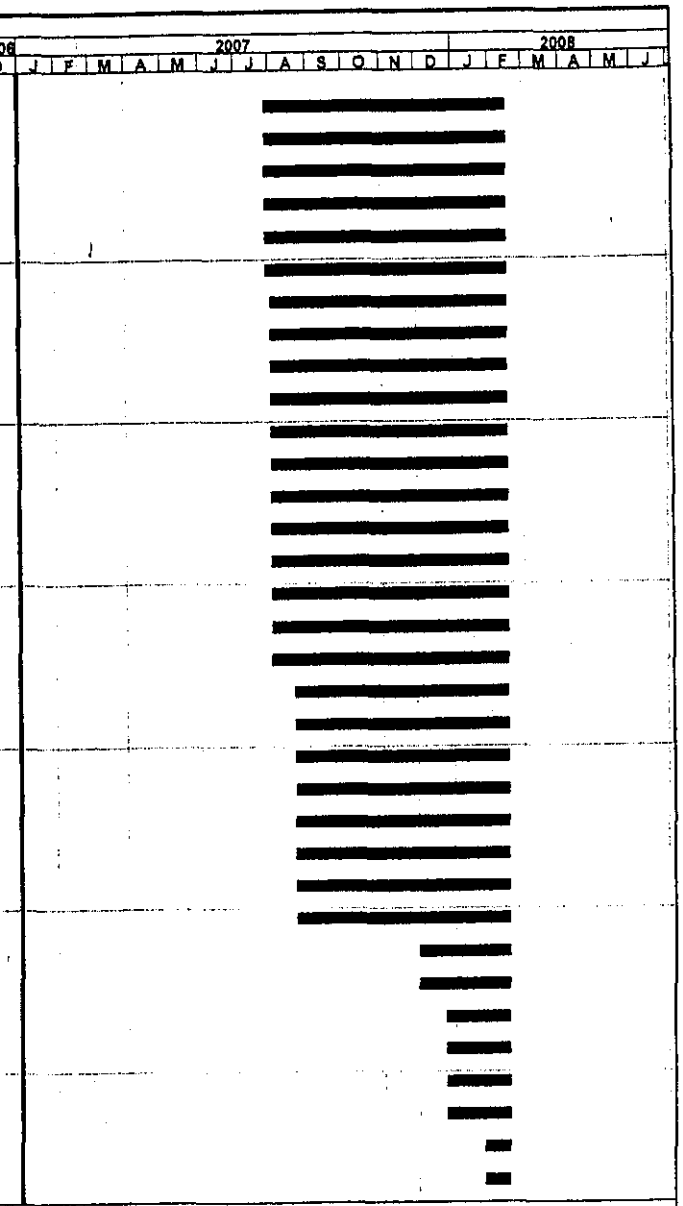
CONFIDENTIAL

Activity ID	Activity Description	Orig Dur	Rem Dur	% Comp	Early Start	Early Finish	Total Float
SC0504	Site & Vicinity	87	87	0	11SEP07	15JAN08	34
SC0506	Water Treatment	87	87	0	11SEP07	15JAN08	34
SCSC0501	Plant Description	87	87	0	11SEP07	15JAN08	34
SCSC0502	External Appearance and Plant Layout	87	87	0	11SEP07	15JAN08	34
SCSC0504	Site & Vicinity	87	87	0	11SEP07	15JAN08	34
SCSC0506	Water Treatment	87	87	0	11SEP07	15JAN08	34
SC0516	Noise	73	73	0	01OCT07	15JAN08	34
SCSC0516	Noise	73	73	0	01OCT07	15JAN08	34
SC0505	Water Consumption	60	60	0	18OCT07	15JAN08	34
SC0510	Radioactive Waste Management Systems	60	60	0	18OCT07	15JAN08	34
SC0511	Effluents Containing Chemicals or Biocides	60	60	0	18OCT07	15JAN08	34
SC0512	Sanitary Systems Effluents	60	60	0	18OCT07	15JAN08	34
SC0513	Other Effluents	60	60	0	18OCT07	15JAN08	34
SC0514	Power Transmission	60	60	0	18OCT07	15JAN08	34
SC0515	Transportaton of Radioactive Materials	60	60	0	18OCT07	15JAN08	34
SCSC0505	Water Consumption	60	60	0	18OCT07	15JAN08	34
SCSC0510	Radioactive Waste Management Systems	60	60	0	18OCT07	15JAN08	34
SCSC0511	Effluents Containing Chemicals or Biocides	60	60	0	18OCT07	15JAN08	34
SCSC0512	Sanitary Systems Effluents	60	60	0	18OCT07	15JAN08	34
SCSC0513	Other Effluents	60	60	0	18OCT07	15JAN08	34
SCSC0514	Power Transmission	60	60	0	18OCT07	15JAN08	34
SCSC0515	Transportaton of Radioactive Materials	60	60	0	18OCT07	15JAN08	34
SC0507	Cooling System	50	50	0	01NOV07	15JAN08	34
SC0508	Description and Operational Mode	50	50	0	01NOV07	15JAN08	34
SC0509	Component Descriptions	50	50	0	01NOV07	15JAN08	34
SCSC0507	Cooling System	50	50	0	01NOV07	15JAN08	34
SCSC0508	Description and Operational Mode	50	50	0	01NOV07	15JAN08	34
SCSC0509	Component Descriptions	50	50	0	01NOV07	15JAN08	34
SC0517	QA Review	10	10	0	16JAN08	29JAN08	34
SCSC0517	QA Review	10	10	0	16JAN08	29JAN08	34
SC0527	Add - Incorporate Comments	10	10	0	30JAN08	12FEB08	34
SCSC0527	Add - Incorporate Comments	10	10	0	30JAN08	12FEB08	34
SC0537	Add - Submit	0	0	0		12FEB08	34
SCSC0537	Add - Submit	0	0	0		12FEB08	34

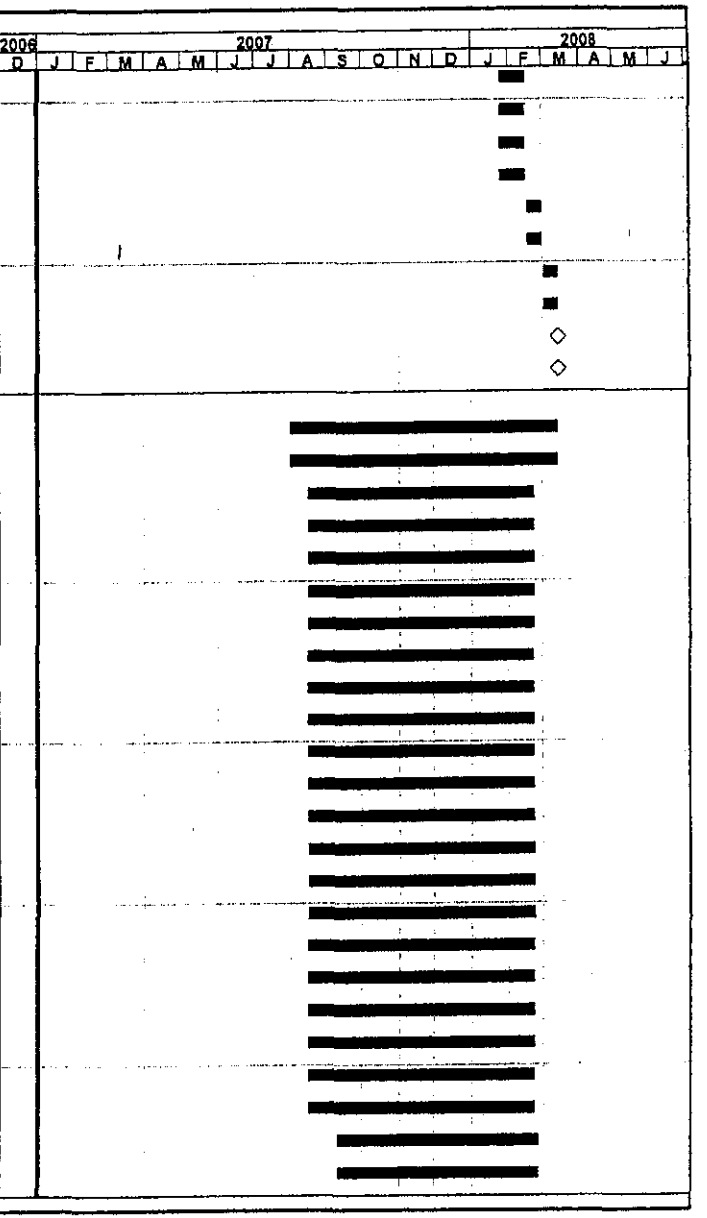


CONFIDENTIAL

Activity ID	Activity Description	Orig Dur	Rem Dur	% Comp	Early Start	Early Finish	Total Float
SC06 Construction Impacts							
SC0611	Ecological Impacts	141	141	0	27JUL07	15FEB08	11
SC0612	Aquatic Ecosystems	141	141	0	27JUL07	15FEB08	11
SC0613	Terrestrial Ecosystems	141	141	0	27JUL07	15FEB08	11
SCSC0611	Ecological Impacts	141	141	0	27JUL07	15FEB08	11
SCSC0612	Aquatic Ecosystems	141	141	0	27JUL07	15FEB08	11
SCSC0613	Terrestrial Ecosystems	141	141	0	27JUL07	15FEB08	11
SC0601	Construction Impacts	138	138	0	01AUG07	15FEB08	11
SC0602	Land-Use Impacts	138	138	0	01AUG07	15FEB08	11
SC0603	Site & Vicinity	138	138	0	01AUG07	15FEB08	11
SC0604	Transmission Corridors and Offsite Areas	138	138	0	01AUG07	15FEB08	11
SC0605	Historic Properties	138	138	0	01AUG07	15FEB08	11
SC0608	Noise Impacts	138	138	0	01AUG07	15FEB08	11
SCSC0601	Construction Impacts	138	138	0	01AUG07	15FEB08	11
SCSC0602	Land-Use Impacts	138	138	0	01AUG07	15FEB08	11
SCSC0603	Site & Vicinity	138	138	0	01AUG07	15FEB08	11
SCSC0604	Transmission Corridors and Offsite Areas	138	138	0	01AUG07	15FEB08	11
SCSC0605	Historic Properties	138	138	0	01AUG07	15FEB08	11
SCSC0608	Noise Impacts	138	138	0	01AUG07	15FEB08	11
SC0614	Socioeconomic Systems	125	125	0	20AUG07	15FEB08	11
SC0615	Physical Impacts	125	125	0	20AUG07	15FEB08	11
SC0616	Social and Economic Impacts	125	125	0	20AUG07	15FEB08	11
SC0617	Environmental Justice Impacts	125	125	0	20AUG07	15FEB08	11
SCSC0614	Socioeconomic Systems	125	125	0	20AUG07	15FEB08	11
SCSC0615	Physical Impacts	125	125	0	20AUG07	15FEB08	11
SCSC0616	Social and Economic Impacts	125	125	0	20AUG07	15FEB08	11
SCSC0617	Environmental Justice Impacts	125	125	0	20AUG07	15FEB08	11
SC0618	Radiation Exposure to Construction Workers	54	54	0	30NOV07	15FEB08	11
SCSC0618	Radiation Exposure to Construction Workers	54	54	0	30NOV07	15FEB08	11
SC0619	Measures & Controls to Limit Adverse Impacts	38	38	0	24DEC07	15FEB08	11
SC0620	Cumulative Impacts Related to Construction	38	38	0	24DEC07	15FEB08	11
SCSC0619	Measures & Controls to Limit Adverse Impacts	38	38	0	24DEC07	15FEB08	11
SCSC0620	Cumulative Impacts Related to Construction	38	38	0	24DEC07	15FEB08	11
SC0606	Water-Related Impacts	16	16	0	25JAN08	15FEB08	11
SC0609	Hydrolic Alterations	16	16	0	25JAN08	15FEB08	11

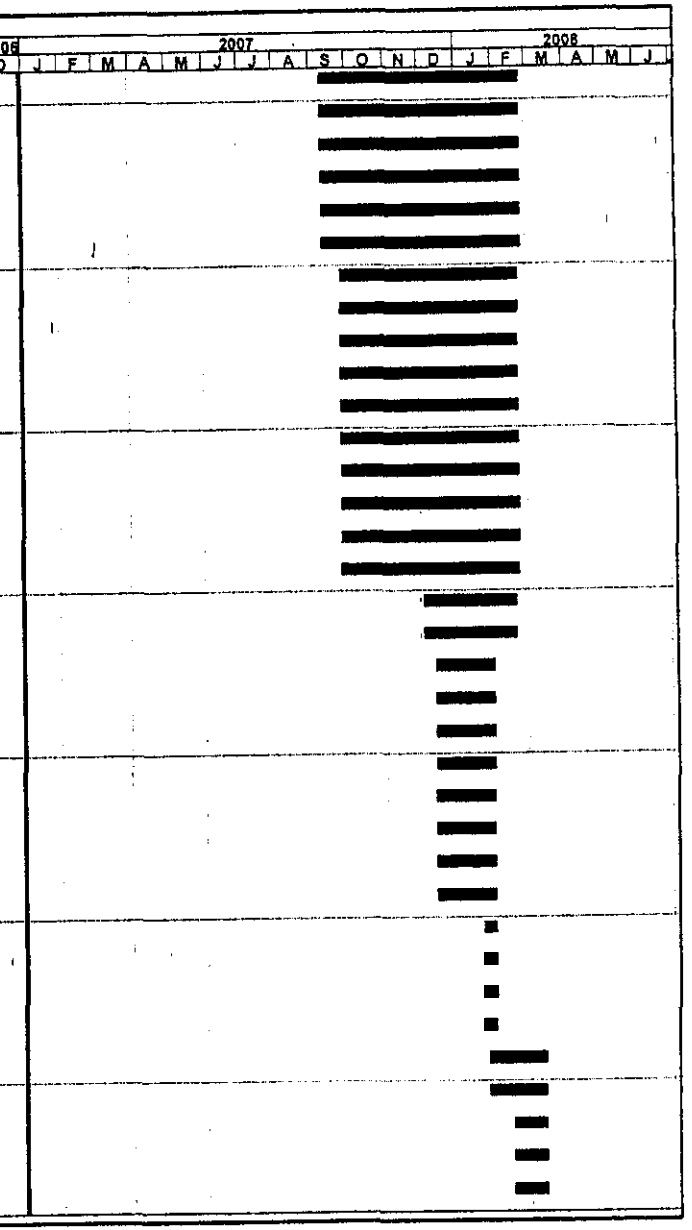


Activity ID	Activity Description	Orig Dur	Rem Dur	% Comp	Early Start	Early Finish	Total Float
SC0610	Water-Use Impacts	16	16	0	25JAN08	15FEB08	11
SCSC0606	Water-Related Impacts	16	16	0	25JAN08	15FEB08	11
SCSC0609	Hydrolic Alterations	16	16	0	25JAN08	15FEB08	11
SCSC0610	Water-Use Impacts	16	16	0	25JAN08	15FEB08	11
SC0621	QA Review	10	10	0	18FEB08	29FEB08	11
SCSC0621	QA Review	10	10	0	18FEB08	29FEB08	11
SC0631	Add - Incorporate Comments	10	10	0	03MAR08	14MAR08	11
SCSC0631	Add - Incorporate Comments	10	10	0	03MAR08	14MAR08	11
SC0641	Add - Submit	0	0	0		14MAR08	11
SCSC0641	Add - Submit	0	0	0		14MAR08	11
SC.07 Operational Impacts							
SC0707	Noise	158	158	0	01AUG07	14MAR08	0
SCSC0707	Noise	158	158	0	01AUG07	14MAR08	0
SC0708	Cooling System Impacts	132	132	0	16AUG07	22FEB08	15
SC0709	Intake System	132	132	0	16AUG07	22FEB08	15
SC0710	Hydrodynamic Descriptions & Physical Impacts	132	132	0	16AUG07	22FEB08	15
SC0711	Aquatic Ecosystems	132	132	0	16AUG07	22FEB08	15
SC0712	Discharge System	132	132	0	16AUG07	22FEB08	15
SC0713	Thermal Description & Physical Impacts	132	132	0	16AUG07	22FEB08	15
SC0714	Aquatic Ecosystems	132	132	0	16AUG07	22FEB08	15
SC0715	Heat-Discharge Systems	132	132	0	16AUG07	22FEB08	15
SC0716	Heat Dissipation to the Atmosphere	132	132	0	16AUG07	22FEB08	15
SC0717	Terrestrial Ecosystems	132	132	0	16AUG07	22FEB08	15
SCSC0708	Cooling System Impacts	132	132	0	16AUG07	22FEB08	15
SCSC0709	Intake System	132	132	0	16AUG07	22FEB08	15
SCSC0710	Hydrodynamic Descriptions & Physical Impacts	132	132	0	16AUG07	22FEB08	15
SCSC0711	Aquatic Ecosystems	132	132	0	16AUG07	22FEB08	15
SCSC0712	Discharge System	132	132	0	16AUG07	22FEB08	15
SCSC0713	Thermal Description & Physical Impacts	132	132	0	16AUG07	22FEB08	15
SCSC0714	Aquatic Ecosystems	132	132	0	16AUG07	22FEB08	15
SCSC0715	Heat-Discharge Systems	132	132	0	16AUG07	22FEB08	15
SCSC0716	Heat Dissipation to the Atmosphere	132	132	0	16AUG07	22FEB08	15
SCSC0717	Terrestrial Ecosystems	132	132	0	16AUG07	22FEB08	15
SC0702	Land-Use Impacts	116	116	0	11SEP07	25FEB08	14
SC0703	The Site and Vicinity	116	116	0	11SEP07	25FEB08	14



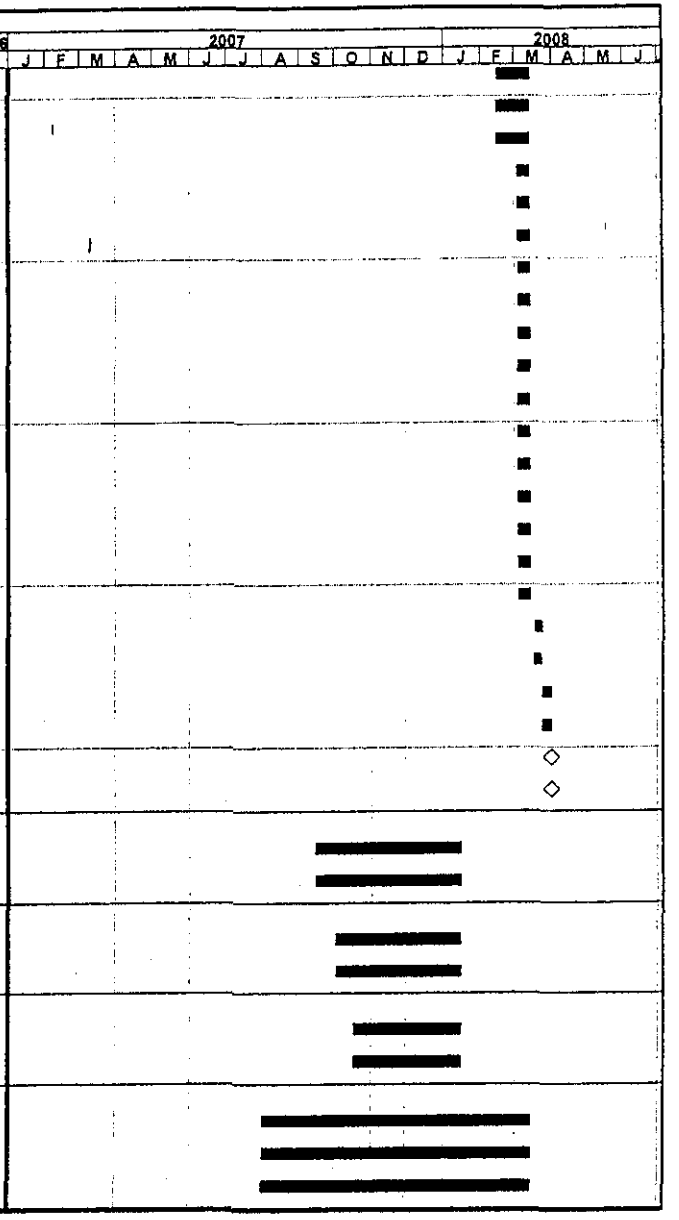
CONFIDENTIAL

Activity ID	Activity Description	Orig Dur	Rem Dur	% Comp	Early Start	Early Finish	Total Float
SC0704	Transmission Cooridors and Offsite Areas	116	116	0	11SEP07	25FEB08	14
SC0705	Historic Properties	116	116	0	11SEP07	25FEB08	14
SCSC0702	Land-Use Impacts	116	116	0	11SEP07	25FEB08	14
SCSC0703	The Site and Vicinity	116	116	0	11SEP07	25FEB08	14
SCSC0704	Transmission Cooridors and Offsite Areas	116	116	0	11SEP07	25FEB08	14
SCSC0705	Historic Properties	116	116	0	11SEP07	25FEB08	14
SC0718	Radiological Impacts of Normal Operation	105	105	0	25SEP07	22FEB08	15
SC0719	Exposure Pathways	105	105	0	25SEP07	22FEB08	15
SC0720	Radiation Doses to Members of the Public	105	105	0	25SEP07	22FEB08	15
SC0721	Impacts to Members of the Public	105	105	0	25SEP07	22FEB08	15
SC0722	Impacts to Other Than Members of the Public	105	105	0	25SEP07	22FEB08	15
SCSC0718	Radiological Impacts of Normal Operation	105	105	0	25SEP07	22FEB08	15
SCSC0719	Exposure Pathways	105	105	0	25SEP07	22FEB08	15
SCSC0720	Radiation Doses to Members of the Public	105	105	0	25SEP07	22FEB08	15
SCSC0721	Impacts to Members of the Public	105	105	0	25SEP07	22FEB08	15
SCSC0722	Impacts to Other Than Members of the Public	105	105	0	25SEP07	22FEB08	15
SC0701	Environmental Impacts of Station Operation	56	56	0	03DEC07	20FEB08	17
SCSC0701	Environmental Impacts of Station Operation	56	56	0	03DEC07	20FEB08	17
SC0726	Transmission System Impacts	35	35	0	13DEC07	01FEB08	30
SC0727	Terrestrial Ecosystems	35	35	0	13DEC07	01FEB08	30
SC0728	Aquatic Ecosystems	35	35	0	13DEC07	01FEB08	30
SC0729	Impacts to Members of the Public	35	35	0	13DEC07	01FEB08	30
SCSC0726	Transmission System Impacts	35	35	0	13DEC07	01FEB08	30
SCSC0727	Terrestrial Ecosystems	35	35	0	13DEC07	01FEB08	30
SCSC0728	Aquatic Ecosystems	35	35	0	13DEC07	01FEB08	30
SCSC0729	Impacts to Members of the Public	35	35	0	13DEC07	01FEB08	30
SC0730	Uranium Fuel Cycle Impacts	10	10	0	21JAN08	01FEB08	30
SC0731	Transportation of Radioactive Materials	10	10	0	21JAN08	01FEB08	30
SCSC0730	Uranium Fuel Cycle Impacts	10	10	0	21JAN08	01FEB08	30
SCSC0731	Transportation of Radioactive Materials	10	10	0	21JAN08	01FEB08	30
SC0706	Water-Related Impacts	36	36	0	25JAN08	14MAR08	0
SCSC0706	Water-Related Impacts	36	36	0	25JAN08	14MAR08	0
SC0723	Environmental Impacts of Waste	21	21	0	15FEB08	14MAR08	0
SC0724	Nonradioactive Waste System Impacts	21	21	0	15FEB08	14MAR08	0
SC0725	Mixed Waste Impacts	21	21	0	15FEB08	14MAR08	0



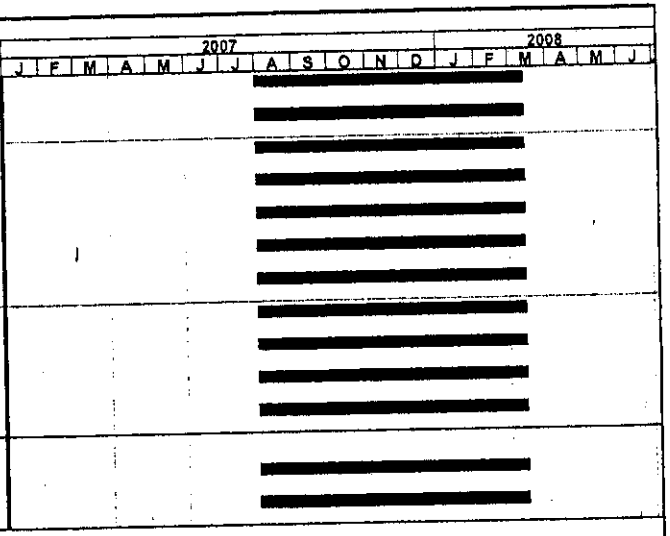
CONFIDENTIAL

Activity ID	Activity Description	Orig Dur	Rem Dur	% Comp	Early Start	Early Finish	Total Float
SCSC0723	*Environmental Impacts of Waste*	21	21	0	15FEB08	14MAR08	0
SCSC0724	Nonradioactive Waste System Impacts	21	21	0	15FEB08	14MAR08	0
SCSC0725	Mixed Waste Impacts	21	21	0	15FEB08	14MAR08	0
SC0732	Socioeconomic Impacts	9	9	0	04MAR08	14MAR08	0
SC0733	Physical Impacts of Station Operation	9	9	0	04MAR08	14MAR08	0
SC0734	Social and Economic Impacts of Station Ops	9	9	0	04MAR08	14MAR08	0
SC0735	Environmenal Justice Impacts	9	9	0	04MAR08	14MAR08	0
SC0736	Decommissioning	9	9	0	04MAR08	14MAR08	0
SC0737	Measures and controls to Limit Adverse Impacts	9	9	0	04MAR08	14MAR08	0
SC0738	Cumulative Impacts Related to Station Operation	9	9	0	04MAR08	14MAR08	0
SCSC0732	Socioeconomic Impacts	9	9	0	04MAR08	14MAR08	0
SCSC0733	Physical Impacts of Station Operation	9	9	0	04MAR08	14MAR08	0
SCSC0734	Social and Economic Impacts of Station Ops	9	9	0	04MAR08	14MAR08	0
SCSC0735	Environmenal Justice Impacts	9	9	0	04MAR08	14MAR08	0
SCSC0736	Decommissioning	9	9	0	04MAR08	14MAR08	0
SCSC0737	Measures and controls to Limit Adverse Impacts	9	9	0	04MAR08	14MAR08	0
SCSC0738	Cumulative Impacts Related to Station Operation	9	9	0	04MAR08	14MAR08	0
SC0739	QA review	6	6	0	17MAR08	24MAR08	0
SCSC0739	QA review	6	6	0	17MAR08	24MAR08	0
SC0749	Add - Incorporate Comments	5	5	0	25MAR08	31MAR08	0
SCSC0749	Add - Incorporate Comments	5	5	0	25MAR08	31MAR08	0
SC0759	Add - Submit	0	0	0		31MAR08	0
SCSC0759	Add - Submit	0	0	0		31MAR08	0
SC08, Economic and Social Effects							
SC0801	Economical and Social Effects	84	84	0	14SEP07	15JAN08	43
SCSC0801	Economical and Social Effects	84	84	0	14SEP07	15JAN08	43
SC09, Site and Design Alternatives							
SC0901	Site and Design Alternatives	72	72	0	02OCT07	15JAN08	43
SCSC0901	Site and Design Alternatives	72	72	0	02OCT07	15JAN08	43
SC10, Electrical Transmission Lines							
SC1001	Electrical Transmission Lines	60	60	0	18OCT07	15JAN08	43
SCSC1001	Electrical Transmission Lines	60	60	0	18OCT07	15JAN08	43
SC12 Appendices							
SC1201	Coordination	158	158	0	01AUG07	14MAR08	0
SC1202	Federal Permit Applicatons	158	158	0	01AUG07	14MAR08	0
SC1203	Zoning	158	158	0	01AUG07	14MAR08	0



[!] CONFIDENTIAL

Activity ID	Activity Description	Orig Dur	Rem Dur	% Comp	Early Start	Early Finish	Total Float
SC1204	Environmental Resource Report	158	158	0	01AUG07	14MAR08	0
SC1205	Land Use Plan	158	158	0	01AUG07	14MAR08	0
SC1206	Existing State Permits	158	158	0	01AUG07	14MAR08	0
SC1207	Monitoring Programs	158	158	0	01AUG07	14MAR08	0
SCSC1201	Coordination	158	158	0	01AUG07	14MAR08	0
SCSC1202	Federal Permit Applicatons	158	158	0	01AUG07	14MAR08	0
SCSC1203	Zoning	158	158	0	01AUG07	14MAR08	0
SCSC1204	Environmental Resource Report	158	158	0	01AUG07	14MAR08	0
SCSC1205	Land Use Plan	158	158	0	01AUG07	14MAR08	0
SCSC1206	Existing State Permits	158	158	0	01AUG07	14MAR08	0
SCSC1207	Monitoring Programs	158	158	0	01AUG07	14MAR08	0
SC13 Documentaton							
SC13017	Documentation	158	158	0	01AUG07	14MAR08	0
SCSC13017	Documentation	158	158	0	01AUG07	14MAR08	0



CONFIDENTIAL

Progress Energy

Nuclear Plant Development & License Renewal

Performance Report

October 2007

Progress Energy, Inc.
410 South Wilmington Street
Raleigh, North Carolina 27602

NGG Nuclear Generation Group

Submitted by

Supervisor Projects Controls _____

Approval

General Manager NPD&LR: _____

Table of Contents

1. Executive Summary 4
1.1. Safety 4
1.2. Cost 4
1.3. Schedule 4
1.4. Key Issues 5
1.5. Look Ahead 5
2. Project Performance Data and KPIs 7
2.1. KPI Summary 7
2.2. Cost Performance 7
2.3. Contract Status (exceeding $ 100k) 9
2.4. Schedule Performance 9
2.4.1. PEC COLA Development 9
2.4.2. PEF COLA Development 9
2.4.3. PEF SCA Development 10
2.4.4. PEF SS&W Price Finalization 10
2.4.5. PEF SS&W Phase 1A Conceptual Design/Planning 10
2.5. Scope Changes 10
2.5.1. Business Analysis Package (BAP) Changes 10
2.5.2. PEC Scope Changes Authorized 10
2.5.3. PEC Potential and/or Pending Scope Changes 11
2.5.4. PEF Authorized Scope Changes 11
2.5.5. PEF Potential and/or Pending Scope Changes 11
2.6. High Risk Issues 11
2.7. Organization & Staffing 12
2.7.1. Permanent Positions 12
2.7.2. Contract Staff 12
2.7.3. License Renewal Staffing Transition 12
3. Significant Project Decisions 13
3.1. PEC 13
3.2. PEF 13
4. Self-Evaluation Results 13
4.1. Self Assessments and Audits 13
4.2. NPD Corrective Action Program (CAP) 13
4.3. NPD Benchmarking 14
4.4. NPD Quality Assurance Activities 14
4.4.1. NRC QA Audit 14
4.4.2. NPD Quality Assurance Plan 14
4.4.3. Planned COLA Reviews 14
5. Engineering Update 16
5.1. PEF Land Acquisition 16
5.2. PEF Field Activities 16
5.3. PEF Site Engineering 16
5.4. PEC Field Activities 16

5.5. PEC Site Engineering 16
5.6. AP1000 Design Activities 16
6. Licensing Update 17
6.1. PEC 17
6.2. PEF 17
6.3. Regulatory Update 18
7. License Renewal Update 18
7.1. HNP License Renewal Application Review 18
7.2. CR3 License Renewal Application Development 18
8. NuStart Development LLC Update 18
9. APOG LLC Update 18
10. Public and Media Interaction 18

CONFIDENTIAL

1. Executive Summary

1.1. Safety

On October 22nd 2007, a Shaw Stone & Webster (SSW) employee was involved in a traffic accident that resulted in a broken leg. The employee was in route to the site on his motorcycle, but had not yet reported to the site. SSW has determined that this was a recordable accident. The investigation is continuing and a final report will be issued to Progress Energy in November.

1.2. Cost

Redacted

Combined Construction and Operating License Application (COLA) project is [redacted] under budget YTD through October. Key drivers are adjacent land [redacted] which will be purchased later this year and timing differences for Shaw Stone & Webster Phase 1A work. These under runs are partially offset by Joint Venture Team approved impact evaluations. The 2007 projection has been increased by [redacted] to account primarily for price certainty work initiated during the 3rd quarter, as well as acceleration of the Levy Site Certification Application process, and new FEMA fee requirements for all new plant license applicants. License Renewal is [redacted] under budget YTD through October.

REDACTED

PEF Price Finalization – The project is 35% complete. Work is progressing in all four major categories, Building & Yard Areas, Construction, Environmental – Geotechnical, and Project Management. Technical Reports have been issued for review on numerous systems. SSW is developing a plan to expedite completing the geotechnical work activities as early as possible.

PEF Phase 1A Activities – The project is 76% complete. An impact evaluation has been approved to revise the target completion date from 10/25/07 until 12/18/07. SSW has completed a re-baseline of the project. The need for an Impact Evaluation was driven by the need to redirect resources to support price finalization work, which is being executed in parallel with Phase 1A work, and receipt of required documentation from the JVT to complete remaining preliminary engineering packages. Significant progress was made during the reporting period in completion of Progress Energy Owner Acceptance Reviews and receipt of COLA material from the JVT.

PEF Site Certification Application – The project is 10% complete. The documentation work element of the project is slightly behind schedule. Follow up with CH2M project manager is in progress.

1.4. Key Issues

- Site specific ITAAC to address soil remediation will be required by the NRC.
- PEF COLA schedule predicts an August 22nd 2008 submittal date. The July 2008 submittal is challenged based on site geotechnical analysis requirements. JVT is reviewing what actions are required to expedite the schedule to enable COLA submittal by July 31st, 2008. Weekly schedule review meetings are scheduled.
- Complete 30 day due diligence activities associated with Lybass purchase contract.
- LNP pre-construction activities will require permits in advance of the SCA to support the schedule. Infrastructure improvements require detailed engineering designs to be completed. A meeting with the US Army Corps of Engineers in Jacksonville, Florida is scheduled for November 19, 2008 to discuss permits and the schedule required to allow construction of these facilities.
- FPSC Need Determination Petition to be filed in January 2008 requires updated cost. Updated power block costs received in November will be incorporated. Currently working with SSW to incorporate updated site specific cost that have higher risk construction activities prior to the Levy Total Site cost books which will be delivered in February 2008.
- Address comments received from the Florida Department of Community Affairs related to wetlands protection and the Gulf and Barge Canal impacts.
- JVT has developed an action plan to address NRC QA Audit nonconformance conditions. The plan includes a complete review of CH2MHILL field activities for geotechnical investigation at REDACTED and Levy and correction of deficiencies. The investigation team is composed of QA and geotechnical personnel from Sargent & Lundy and Worley Parsons. In addition, Progress Energy will conduct an audit of these activities to confirm completeness and accuracy. Final team report is scheduled for January 25, 2008.

REDACTED

1.5. Look Ahead

- PES Assessment scheduled for the week of 11/5/07.
- Meeting with US Army Corps of Engineers to discuss permit requirements to support construction of Levy site infrastructure on 11/19/07.

- NRC will start sufficiency review of the R-COLA on 11/19/07. The review will require 60-120 days.
- Senior Management Committee Review of Levy Nuclear Plant and Transmission 11/26/2007.
- AP1000 Standard Plant Cost Book completion scheduled for 11/30/07.
- Closing on Lybass property expected to occur on 12/14/07.
- December 2007 Board of Director's Meeting to request approval of the Need Filing & Joint Ownership percentage ownership.
- REDACTED

2. Project Performance Data and KPIs

CONFIDENTIAL

2.1. KPI Summary

Project Cost Current Year		Yellow
Project Cost Total COLA BAP		
Major Milestone Achievement		
PEF COLA SPI -	.83	Yellow
PEF COLA CPI –	1.11	
REDACTED		
Shaw PH 1A SPI -	1.00	
Shaw PH 1A CPI –	1.00	
Shaw Price Final SPI -	.92	Yellow
Shaw Price Final CPI –	1.84	
SCA SPI –	.82	Yellow
SCA CPI -	1.10	

2.2. Cost Performance

Year to date NPD COLA project budget is [redacted] favorable to budget. This is driven primarily by adjacent land [redacted] which will be purchased later this year and the timing of PEF Phase 1A work. This under run is partially offset by over runs related to approval of JVT impact evaluations to support PEF fieldwork activities and conceptual design development to support the COLA. The 2007 projection has been increased by [redacted] to account primarily for price certainty work initiated during the 3rd quarter, as well as acceleration of the Levy Site Certification Application process, and new FEMA fee requirements for all new plant license applicants.

Redacted

Year to date License Renewal is [redacted] favorable to budget.

REDACTED

REDACTED

Projections will be reviewed again following receipt of the third quarter billing.

REDACTED

Project	2007 Annual Budget	2007 YE Projection	2007 YTD Actual	Project to Date Spend	Total Project Cost	Total Project Cost Status
REDACTED						
COLA – PEF	[redacted]			[redacted]		
REDACTED						[redacted]

PAGE 8
REDACTED

CONFIDENTIAL

2.3. Contract Status (exceeding $ 100k)

Progress Energy Florida (PEF):

Vendor	Committed	Spent	Remaining
Staff Augmentation			
Joint Venture Team (COLA)			
Land Acquisition			
Sargent & Lundy (Estimating)			
Sargent & Lundy (SCA)			
Shaw Stone & Webster			
Shaw Stone & Webster Price Certainty			
Duncan Company (Real Estate)			

Redacted

REDACTED

2.4.2. PEF COLA Development

Overall COLA project is 55% complete. The SPI for the project is 0.83. The SPI has been trending behind schedule since June 2007. Fieldwork delays, completing the vibratory ground motion report, and insufficient progress made on certain FSAR and ER Chapters are the biggest contributing factors to the SPI. JVT is implementing a plan to expedite the schedule for all critical tasks. JVT will also implement shorter task durations and schedule logic changes to improve

targeted COLA submittal date from 8/22/08 to 7/31/08. A weekly schedule review meeting with JVT is being implemented. The NRC has stated that sufficiency reviews for the Bellefonte COLA will take 60-120 days. The July submittal date is critical with the longer NRC acceptance review schedule. The CPI for the project is 1.11. The CPI has consistently trended under the approved project baseline budget.

2.4.3. PEF SCA Development

The project is approximately 10% complete. The SPI for the project is .82. The CPI is 1.10. Following up with the PM to determine drivers for the documentation work element that is behind schedule.

2.4.4. PEF SS&W Price Finalization

The project is 35% complete. Work is progressing in all four major categories: Building & Yard Areas, Construction, Environmental – Geotechnical, and Project Management. Technical Reports have been issued for Owner Acceptance review on numerous systems. SSW is developing a plan to expedite completing the geotechnical work activities as early as possible.

2.4.5. PEF SS&W Phase 1A Conceptual Design/Planning

Overall Phase 1A project is 76% complete. The SPI & CPI for the project is 1.00. An impact evaluation was approved to revise the target completion date from 10/25/07 until 12/18/07. SSW has completed a re-baseline of the project. The Impact Evaluation was driven by the need to redirect resources to support price finalization work, which is being executed in parallel with Phase 1A work, and receipt of required documentation from the JVT to complete remaining preliminary engineering packages. Significant progress was made during the reporting period in completion of Progress Energy Owner Acceptance Reviews and receipt of COLA material from the JVT.

2.5. Scope Changes

2.5.1. Business Analysis Package (BAP) Changes

Discussions are ongoing with Capital Planning & Control to convert the LNP project from the Business Analysis Package Process (BAP) to the Integrated Project Plan Process (IPP). The current plan is to complete a 2nd COLA BAP revision to bridge the project for work activities required until Price Finalization and EPC negotiations are completed and an updated total project cost can be incorporated into the IPP.

REDACTED

REDACTED

Redacted

2.5.4. PEF Authorized Scope Changes

Since approval of JVT WA Amendment # 2 in June 2007, NPD has approved 21 Impact Evaluations for a total of [redacted] These will be incorporated into the next WA Amendment #3. Updated task descriptions to support Amendment 3 are to be submitted by the JVT in October. Most Impact Evaluations were required to support additional field activities required after selecting the site, and also for conceptual design work for site specific systems needed for the COLA. In 2007, 24 Impact Evaluations have been approved or are pending approval for a total of [redacted] The large number of Impact Evaluations and associated cost is due to the Levy Site not being selected at the time the COLA work started.

2.5.5. PEF Potential and/or Pending Scope Changes

Other Progress Energy Florida potential scope changes include:

- Expediting COLA submittal to July 31st, 2008.
- Permitting work to support SSW
- Evaluation of six month Meteorological Data & CHI/Q calculations to resolve EAB distance related risk.
- Independent review of downhole measurements.
- Estimate to complete fieldwork at Levy.
- Soil Resistivity Measurements for Grounding Conceptual Design.
- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis).

2.6. High Risk Issues

The following risk items identified for Management attention for PEC include:

- NRC identified issues with the CH2M Hill field work plan. An independent Assessment Team was formed to evaluate NQA-1 compliance of the field work implementing procedures, field data, and field work plan.
- Expectations for water requirements from the Cape Fear River.

The following risk items identified for Management attention for PEF include:

- Resolution of the site boundary (EAB) as determined by the initial meteorological data.
- Suitability of the soil/rock substrata for AP1000 structures.
- Evaluation & environmental impacts of the makeup and blowdown options.
- Obtaining US Army Corps of Engineer and Florida state concurrence to review permits required to construct Levy site infrastructure in advance of the SCA is required to support the planned in service date.
- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis).
- JVT schedule performance must be closely monitored and improved. CH2MHILL, in particular, has been unsuccessful in meeting schedules. Critical areas include Geotechnical (FSAR 2.5), Environmental Report, the evaluation of meteorological data and preparation of the Site Certification Application (SCA).

2.7. Organization & Staffing

2.7.1. Permanent Positions

The following authorized positions are vacant/ being recruited in the NPD organization:

- Manager – Nuclear Plant Engineering – vacancy created by promotion of last incumbent, announcement on the position forthcoming.
- Electrical Engineer – vacancy created by resignation, recruiting in progress.
- I&C Engineer – recruiting in progress.
- Sr Engineer – (undesignated discipline), will be posted soon.
- Sr Technical Support Specialist - (undesignated discipline), will be posted soon.

2.7.2. Contract Staff

The following functional areas are covered by contract personnel augmentation:

- Field & Construction Management.
- Emergency Planning.
- COLA Administrative Reviews.
- Environmental permitting & licensing.
- Scheduling (part-time support via NGG Fire Protection contract staff).

2.7.3. License Renewal Staffing Transition

REDACTED

3. Significant Project Decisions

The following significant recently made decisions regarding the Harris and Levy Deployments.

REDACTED

3.2. PEF

- COLA borings confirming the location & orientation of Units 1&2.
- Conceptual foundation design approach finalized. Compacted fill will be used for the nuclear island, piles will be used for other buildings (i.e.: Turbine, Diesel, and Annex. Buildings).
- Railroad will follow an Eastern route to Dunnellon.
- Transmission line corridors will include three 500kv lines traversing to the South.
- Utilizing a combined Switchyard for both units instead of separate Switchyard.
- The freshwater source for Potable, Demineralized, and Service Water Cooling Tower systems is well water.
- The north bank of the Barge Canal is the tentatively selected option for the Blowdown discharge into the Gulf.
- The Barge Canal is the option selected for the Make-up water intake.

4. Self-Evaluation Results

4.1. Self Assessments and Audits

Upcoming assessments/ audits include:.

- Financial charging Practices – 4th Quarter, 2007.
- PES Audit of NPD – November 5th, 2007.

4.2. NPD Corrective Action Program (CAP)

The following NPD NCRs were written during October 2007

REDACTED

- 252015 – [redacted] Redacted [redacted]

- 251309 – [redacted] Redacted [redacted]

4.3. NPD Benchmarking

NPD Self Assessment & Benchmark Coordinator has been named and is working with PES to complete Passport set up of 2008 plans. No formal benchmarks were completed during October 2007.

4.4. NPD Quality Assurance Activities

NGGM-PM-0030 formally documents existing business philosophy to use existing NGGC procedures and processes to implement Appendix B for new plant activities.

- The FSAR Section 2.5 was submitted for page turn without all of the attachments. Also figure numbers do not follow instructions per PI-002.
- A Progress Energy audit is planned in December to verify the JVT actions planned to resolve NRC QA deficiencies.

4.4.1. NRC QA Audit

The NRC QA Audit identified a number of nonconforming conditions. A team for an independent assessment of the CH2M Hill Safety Related activities has been constituted for this assessment.

- The detailed independent assessment plan and schedule was discussed with progress Energy on 11/12/07.
- CH2M is proceeding with the disposition of the 8 CARs from the NRC Audit.
- Initial evaluations will be completed by 12/05/07.
- Fieldwork and subcontractor reports will be completed by 12/31/07.
- Final report is schedule for 01/25/07.

The LNP fieldwork plan and implementing procedures are being reviewed by the Independent team. The fieldwork plan will be submitted to Progress Energy for acceptance once the fieldwork plan is accepted by the independent team including any required revisions. (11/15/07).

4.4.2. NPD Quality Assurance Plan

Quality Assurance Plan for Nuclear Plant Development and Construction Activities is included in NGG Program Manual and approved by Scotty Hinnant, as Chief Nuclear Officer. NGGM-PM-0030, Quality Assurance Plan for New Nuclear Plant Development and Construction Activities, Revision 0 issued and effective June 25, 2007.

REDACTED

4.4.3. Planned COLA Reviews

- Peer reviews of Emergency Plan, Security Plan and Environmental Report COLA. Review includes technical, licensing and administrative review.

- An independent review includes Corporate Reg Affairs, QA and NPD.
- Final review will incorporate any required changes from the NRC sufficiency review of the Reference COLA that have been identified by year end.

5. Engineering Update

5.1. PEF Land Acquisition

NPD closed on the ~3,105 acre Rayonier site on Sept 13th, 2007. Following the land closing, activities continue to secure permission from FL DOT to install a permanent access road to the site that does not cross non-PGN property.

PEF has also signed a "Contract for Sale and Purchase" for an addition ~ 2100 acre parcel south of the Rayonier site. This site is referred to as the "Lybass property". Per the contract, closing for this additional land must take place by Dec 14th, 2007.

NPD is currently having discussions with outside firms to provide a Phase 1 review of this additional Lybass acreage prior to purchase.

5.2. PEF Field Activities

Field activities were completed on the four deep borings at the Levy site. These holes reamed to 6" diameter and grouted with a 3" ID PVC insert.

P-S logging and Acoustic logging was completed in the 4 deep borings in open holes.

GeoVison built and tested a new "dual source" shear wave plank for down-hole measurements. Geomatrix was provided shear wave data from P-S logging. Geomatrix was also provided the preliminary top of rock contours as well as cross-sections of the soil/rock profiles

5.3. PEF Site Engineering

NPD continues to monitor and support SS&W in Phase 1A site specific engineering activities, including the site layout development and conceptual design packages for the facilities at the Levy site. This Phase 1A activity is expect to take longer than originally expected based on the authorization by PGN for SS&W to start price certainty scope in support of the EPC negotiations.

REDACTED

5.6. AP1000 Design Activities

PGN working through the NuStart Engineering committee continues the review of AP1000 Design Change Packages (DCPs) and design finalization products from WEC. Issues currently under resolution include:

- Use of a cable bridge on the Integrated Head
- Increasing the capacity of new fuel storage racks
- Transformer spacing and order
- Leakage margins (prior to LCOs) on the Main Control Room emergency habitability system
- NRC approval of Xi/Q methodology
- Turbine Building Closed Cooling Water System availability during refueling outages for selected components.

NPD Engineering will continue to work through these issues with WEC.

DCD revision 16 included several important changes needed for the REDACTED and LNP sites including:

- Resolution of Xi/Q and associated Control Doses
- Inclusion of security feature physical changes
- Changes to ambient temperature limits (wet bulb and dry bulb) for siting in Florida
- Addition of multiple tanks in the radwaste building to increase hold-up capacity for effluent management.
- Reactor Auxiliary Transformer with Fast Bus Transfer

WEC's DCD Revision 16 amendment to the DCD remains under review by the NRC. There is no NRC decision yet on the docketing of the DCD change.

6. Licensing Update

REDACTED

6.2. PEF

Current schedule predicts a COLA submittal date of 8/22/08. The COLA must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits. JVT is reviewing actions needed to improve submittal date to July 30, 2007 but if that is practical has not been determined.
We expect that LWA will be desired to support soil remediation (backfill) and other construction activities prior to COL. Construction schedule and tasks are being evaluated to determine scope of LWA.

Site Certification Application (SCA) is scheduled for submittal in June 2008. We anticipate that pre-construction work will require permits to be issued in advance of SCA. We anticipate that this will be a significant challenge to the LNP schedule and may be the critical path for the LNP project. Scope and schedule for required permits is being developed and meetings with the state agencies will be setup to review permitting needs.

6.3. Regulatory Update

No update.

7. License Renewal Update

REDACTED

8. NuStart Development LLC Update

NuStart officially submitted the Bellefonte AP1000 Reference R-COLA on October 30th, 2007.

9. APOG LLC Update

The APOG LLC (which stands for Advanced Passive 1000 Owners Group) was officially formed in August 2007, with initial members consisting of Progress Energy, SCANA, Duke Energy, and Southern. The first kick-off meeting was held Sept 5th, 2007. No APOG meetings were held during this reporting period.

10. Public and Media Interaction

REDACTED

Progress Energy

CONFIDENTIAL

Nuclear Plant Development & License Renewal

Performance Report

November 2007

Progress Energy, Inc.
410 South Wilmington Street
Raleigh, North Carolina 27602

NGG Nuclear Generation Group

Submitted by

Supervisor Projects Controls _____

Approval

General Manager NPD&LR: _____

Table of Contents

1. Executive Summary 4
1.1. Safety 4
1.2. Cost 4
1.3. Schedule 4
1.4. Key Issues 5
1.5. Look Ahead 5
2. Project Performance Data and KPIs 6
2.1. KPI Summary 6
2.2. Cost Performance 6
2.3. Contract Status (exceeding $ 100k) 8
2.4. Schedule Performance 8
2.4.1. PEC COLA Development 8
2.4.2. PEF COLA Development 8
2.4.3. PEF SCA Development 9
2.4.4. PEF SS&W Price Finalization 9
2.4.5. PEF SS&W Phase 1A Conceptual Design/Planning 9
2.5. Scope Changes 9
2.5.1. Business Analysis Package (BAP) Changes 9
2.5.2. PEC Scope Changes Authorized 9
2.5.3. PEC Potential and/or Pending Scope Changes 10
2.5.4. PEF Authorized Scope Changes 10
2.5.5. PEF Potential and/or Pending Scope Changes 10
2.6. High Risk Issues 10
2.7. Organization & Staffing 11
2.7.1. Permanent Positions 11
2.7.2. Contract Staff 11
2.7.3. License Renewal Staffing Transition 11
3. Significant Project Decisions 11
3.1. PEC 11
3.2. PEF 12
4. Self-Evaluation Results 12
4.1. Self Assessments and Audits 12
4.2. NPD Corrective Action Program (CAP) 12
4.3. NPD Benchmarking 12
4.4. NPD Quality Assurance Activities 12
4.4.1. NRC QA Audit 13
4.4.2. NPD Quality Assurance Plan 13
4.4.3. Planned COLA Reviews 13
5. Engineering Update 14
5.1. PEF Land Acquisition 14
5.2. PEF Field Activities 14
5.3. PEF Site Engineering 14
5.4. PEC Field Activities 14

5.5. PEC Site Engineering 14
5.6. AP1000 Design Activities 14
6. Licensing Update 15
6.1. PEC 15
6.2. PEF 15
6.3. Regulatory Update 15
7. License Renewal Update 16
7.1. HNP License Renewal Application Review 16
7.2. CR3 License Renewal Application Development 16
8. NuStart Development LLC Update 16
9. APOG LLC Update 16
10. Public and Media Interaction 16

1. Executive Summary

1.1. Safety

There were no health and safety issues to report for the month of November.

1.2. Cost

Redacted

Combined Construction and Operating License Application (COLA) project is [redacted] under budget YTD through November. Key drivers are adjacent land [redacted] which will be purchased later this year and timing differences for Shaw Stone & Webster Phase 1A work. These under runs are partially offset by Joint Venture Team approved impact evaluations for the Levy COLA. The 2007 projection has been increased by [redacted] to account primarily for price certainty work initiated during the 3rd quarter, as well as acceleration of the Levy Site Certification Application process, and new FEMA fee requirements for all new plant license applicants. License Renewal is [redacted] nder budget YTD through November.

REDACTED

1.3. Schedule

REDACTED

PEF Price Finalization (Shaw) – The project is 43% complete. Work is progressing in all four major categories, Building & Yard Areas, Construction, Environmental – Geotechnical, and Project Management. Technical Reports have been issued for review on numerous systems. SSW is developing a plan to expedite completing the geotechnical work activities as early as possible.

PEF Price Finalization (WEC) – Continued development of the Standard Plant Overnight Cost Book and the Standard Plant Generic 2 unit schedule. The cost book is 85% complete and the schedule is 20% complete. The Standard Plant Cost Book and the Standard Plant Generic Schedule are planned to be submitted on 12/17/07.

PEF Phase 1A Activities – The project is 81% complete. An impact evaluation has been approved to revise the target completion date from 10/25/07 until 12/18/07. SSW has completed a re-baseline of the project. The need for an Impact Evaluation was driven by the need to redirect resources to support price finalization work, which is being executed in parallel with Phase 1A work, and receipt of required documentation from the JVT to complete remaining preliminary engineering packages. Significant progress was made during the reporting period in completion of Progress Energy Owner Acceptance Reviews and receipt of COLA material from the JVT.

PEF Site Certification Application – The project is 10% complete. The appendeces and documentation work element of the project is slightly behind schedule. Follow up with CH2M PM.

1.4. Key Issues

- Site specific ITAAC to address soil remediation will be required by the NRC.
- FPSC Need Determination Petition to be filed in January 2008 requires updated cost. Updated power block costs received in November will be incorporated. Currently working with SSW to incorporate updated site specific cost that have higher risk construction activities prior to the Levy Total Site cost books which will be delivered in February 2008.
- Address comments received from the Florida Department of Community Affairs related to wetlands protection and the Gulf and Barge Canal Impacts.
- JVT has developed an action plan to address NRC QA Audit nonconformance conditions. The plan includes a complete review of CH2MHILL field activities for geotechnical investigation at [redacted] and Levy and correction of deficiencies. The investigation team is composed of QA and geotechnical personnel from Sargent & Lundy and Worley Parsons. In addition, Progress Energy will conduct an audit of these activities to confirm completeness and accuracy. Final team report is scheduled for January 25, 2008. REDACTED

1.5. Look Ahead

- AP1000 Standard Plant Cost Book and standard plant schedule is scheduled for delivery on 12/14/07
- Closing on Lybass property expected to occur on 12/14/07.
- December 2007 Board of Director's Meeting to request approval of the Need Filing & Joint Ownership percentage ownership.

REDACTED

CONFIDENTIAL

2. Project Performance Data and KPIs

2.1. KPI Summary

Project Cost Current Year
Project Cost Total COLA BAP
Major Milestone Achievement

[redacted]

REDACTED

Shaw PH 1A SPI - 1.00
Shaw PH 1A CPI – 1.38
Shaw Price Final SPI - 1.00
Shaw Price Final CPI – 1.26
SCA SPI – .94
SCA CPI - .98

[redacted]

2.2. Cost Performance

Redacted

Combined Construction and Operating License Application (COLA) project is [redacted] under budget YTD through November. Key drivers are adjacent land [redacted] which will be purchased later this year and timing differences for Shaw Stone & Webster Phase 1A work. These under runs are partially offset by Joint Venture Team approved impact evaluations for the Levy COLA. The 2007 projection has been increased by [redacted] account primarily for price certainty work initiated during the 3rd quarter, as well as acceleration of the Levy Site Certification Application process, and new FEMA fee requirements for all new plant license applicants. License Renewal is [redacted] under budget YTD through November.

REDACTED

Redacted

Project	2007 Annual Budget	2007 YE Projection	2007 YTD Actual	Project to Date Spend	Total Project Cost	Total Project Cost Status
REDACTED						
COLA – PEF	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
REDACTED						[redacted]
						[redacted]

PAGE 7
REDACTED

2.3. Contract Status (exceeding $ 100k)

Redacted

Progress Energy Florida (PEF):

Vendor	Committed	Spent	Remaining
Staff Augmentation			
Joint Venture Team (COLA)			
Land Acquisition			
Sargent & Lundy (Estimating)			
Sargent & Lundy (SCA)			
Shaw Stone & Webster			
Shaw Stone & Webster Price Certainty			
Duncan Company (Real Estate)			

REDACTED

2.4. Schedule Performance

REDACTED

2.4.3. PEF SCA Development

The project is approximately 10% complete. The SPI for the project is .94. The CPI is .98. Following up with the PM to determine drivers for Appendices and Documentation work elements that are behind schedule.

2.4.4. PEF SS&W Price Finalization

The project is 43% complete. Work is progressing in all four major categories, Building & Yard Areas, Construction, Environmental – Geotechnical, and Project Management. Technical Reports have been issued for review on numerous systems. SSW is developing a plan to expedite completing the geotechnical work activities as early as possible. WEC continued development of the Standard Plant Overnight Cost Book and the Standard Plant Generic 2 unit schedule. The cost book is 85% complete and the schedule is 20% complete. The Standard Plant Cost Book and the Standard Plant Generic Schedule are planned to be submitted on 12/17/07.

2.4.5. PEF SS&W Phase 1A Conceptual Design/Planning

The SPI is 1.00 & CPI is 1.38 for the project. The project is 81% complete. An impact evaluation has been approved to revise the target completion date from 10/25/07 until 12/18/07. SSW has completed a re-baseline of the project. The need for an Impact Evaluation was driven by the need to redirect resources to support price finalization work, which is being executed in parallel with Phase 1A work, and receipt of required documentation from the JVT to complete remaining preliminary engineering packages. Significant progress was made during the reporting period in completion of Progress Energy Owner Acceptance Reviews and receipt of COLA material from the JVT.

2.5. Scope Changes

2.5.1. Business Analysis Package (BAP) Changes

Discussions are ongoing with Capital Planning & Control to convert the LNP project from the Business Analysis Package Process (BAP) to the Integrated Project Plan Process (IPP). The current plan is to complete a 2nd COLA BAP revision to bridge the project for work activities required until Price Finalization and EPC negotiations are completed and an updated total project cost can be incorporated into the IPP.

REDACTED

REDACTED

Redacted

2.5.4. PEF Authorized Scope Changes

Since approval of JVT WA Amendment # 2 in June 2007, NPD has approved 25 Impact Evaluations for a total of [redacted]. These will be incorporated into the next WA Amendment #3. Updated task descriptions to support Amendment 3 are to be submitted by the JVT. Most Impact Evaluations were required to support additional field activities required after selecting the site, and also for conceptual design work for site specific systems needed for the COLA. The large number of Impact Evaluations and associated cost is due to the Levy Site not being selected at the time the COLA work started.

2.5.5. PEF Potential and/or Pending Scope Changes

Other Progress Energy Florida potential scope changes include:

- Expediting COLA submittal to July 31st, 2008.
- Soil Restivity Measurements for Grounding Conceptual Design.
- FIRS consistent Time History
- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis)
- Additional Barge Canal Water Quality data
- Preconstruction permit activities (SCA)
- Railroad permitting (SCA)
- Technical items identified by NRC during ER pre-application meeting (SCA)

2.6. High Risk Issues

REDACTED

The following risk items identified for Management attention for PEF include:

- Resolution of the site boundary (EAB) as determined by the initial meteorological data.
- Suitability of the soil/rock substrata for AP1000 structures.
- Evaluation & environmental impacts of the makeup and blowdown options.
- Obtaining US Army Corps of Engineer and Florida state concurrence to review permits required to construct Levy site infrastructure in advance of the SCA is required to support the planned in service date.

- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis).
- JVT schedule performance must be closely monitored and improved. CH2MHILL, in particular, has been unsuccessful in meeting schedules. Critical areas include Geotechnical (FSAR 2.5), Environmental Report, evaluation of meteorological data and preparation of the Site Certification Application (SCA).

2.7. Organization & Staffing

2.7.1. Permanent Positions

The following authorized positions are vacant/ being recruited in the NPD organization:

- Manager – Nuclear Plant Engineering – vacancy created by promotion of last incumbent, announcement on the position forthcoming.
- Electrical Engineer – vacancy created by resignation, recruiting in progress.
- I&C Engineer – recruiting in progress.
- Sr Engineer – (undesignated discipline), will be posted soon.
- Sr Technical Support Specialist - (undesignated discipline), will be posted soon.

2.7.2. Contract Staff

The following functional areas are covered by contract personnel augmentation:

- Field & Construction Management.
- Emergency Planning.
- COLA Administrative Reviews.
- Environmental permitting & licensing.
- Scheduling (part-time support via NGG Fire Protection contract staff).

REDACTED

3. Significant Project Decisions

The following significant recently made decisions regarding the Harris and Levy Deployments.

REDACTED

REDACTED

3.2. PEF

- COLA borings confirming the location & orientation of Units 1&2.
- Conceptual foundation design approach finalized. Compacted fill will be used for the nuclear island, piles will be used for other buildings (i.e.: Turbine, Diesel, and Annex. Buildings).
- Railroad will follow an Eastern route to Dunnellon.
- Transmission line corridors will include three 500kv lines traversing to the South.
- Utilizing a combined Switchyard for both units instead of separate Switchyard.
- The freshwater source for Potable, Demineralized, and Service Water Cooling Tower systems is well water.
- The north bank of the Barge Canal is the tentatively selected option for the Blowdown discharge into the Gulf.
- The Barge Canal is the option selected for the Make-up water intake.

4. Self-Evaluation Results

4.1. Self Assessments and Audits

Upcoming assessments/ audits include:.

- Financial charging Practices – 4th Quarter, 2007.
- PES Audit of NPD – November 5th, 2007.

4.2. NPD Corrective Action Program (CAP)

The following NPD NCRs were written during November 2007

Redacted

- 253940 –
- 253941 –
- 253943 –
- 253945 –

4.3. NPD Benchmarking

NPD Self Assessment & Benchmark Coordinator has been named and is working with PES to complete Passport set up of 2008 plans. No formal benchmarks were completed during November 2007.

4.4. NPD Quality Assurance Activities

NGGM-PM-0030 formally documents existing business philosophy to use existing NGGC procedures and processes to implement Appendix B for new plant activities.

- The FSAR Section 2.5 was submitted for page turn without all of the attachments. Also figure numbers do not follow instructions per PI-002.

- A Progress Energy audit is planned in December to verify the JVT actions planned to resolve NRC QA deficiencies.

4.4.1. NRC QA Audit

The NRC QA Audit identified a number of nonconforming conditions. A team for an independent assessment of the CH2M Hill Safety Related activities has been constituted for this assessment.

- The detailed independent assessment plan and schedule was discussed with progress Energy on 11/12/07.
- CH2M is proceeding with the disposition of the 8 CARs from the NRC Audit.
- Initial evaluations will be completed by 12/05/07.
- Fieldwork and subcontractor reports will be completed by 12/31/07.
- Final report is schedule for 01/25/07.

The LNP fieldwork plan and implementing procedures are being reviewed by the Independent team. The fieldwork plan will be submitted to Progress Energy for acceptance once the fieldwork plan is accepted by the independent team including any required revisions. (11/15/07).

4.4.2. NPD Quality Assurance Plan

Quality Assurance Plan for Nuclear Plant Development and Construction Activities is included in NGG Program Manual and approved by Scotty Hinnant, as Chief Nuclear Officer. NGGM-PM-0030, Quality Assurance Plan for New Nuclear Plant Development and Construction Activities, Revision 0 issued and effective June 25, 2007.

REDACTED

4.4.3. Planned COLA Reviews

- Peer reviews of Emergency Plan, Security Plan and Environmental Report COLA. Review includes technical, licensing and administrative review.
- An independent review includes Corporate Reg Affairs, QA and NPD.
- Final review will incorporate any required changes from the NRC sufficiency review of the Reference COLA that have been identified by year end.

CONFIDENTIAL

5. Engineering Update

5.1. PEF Land Acquisition

PGN awarded a contract to Nordase & Associates for the completion of a Phase 1 review of the Lybass property to be completed by the end-of-November 2007.

The review was completed and no issues were identified by Nordase that would prevent closing on the Lybass property on or before Dec 14th, 2007.

5.2. PEF Field Activities

Field activities continue at the Levy site. GeoVision and Technos were re-mobilized following the availability of the four deep holes on the Levy site. The remaining field geophysical measurements by Technos have been completed. GeoVision scope is scheduled for completion on Dec 8th, 2007.

5.3. PEF Site Engineering

NPD continues the oversight and review of products produced by SS&W on the Phase 1A site specific Work Authorization. Detailed site layout design activities continue, and are coupled with the JVT COLA preparer to translate the proposed layout into a grading plan. The grading plan further relates to the site flooding analysis.

Conceptual design packages (CDPs) continue to be developed by SS&W and are on-going review by NPD engineers.

REDACTED

5.6. AP1000 Design Activities

The NRC has yet to docket the DCD revision 16 submittal by WEC. Ongoing discussions continue between WEC and the NRC on this DCD amendment request, with WEC submitting additional TRs. In November, the NRC notified WEC that the amendment was now ready for a sufficiency review.

NPD continues active involvement in the NuStart Engineering Committee with the following active issues under resolution:

- Use of a cable bridge on the Integrated Head
- Transformer spacing and order

- Leakage margins (prior to LCOs) on the Main Control Room emergency habitability system
- NRC approval of Xi/Q methodology
- Turbine Building Closed Cooling Water System availability during refueling outages for selected components.

6. Licensing Update

REDACTED

6.2. PEF

Current schedule predicts a COLA submittal date of 8/22/08. The COLA must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits. JVT is reviewing actions needed to improve submittal date to July 30, 2007 but if that is practical has not been determined. A meeting is planned with JVT members to review actions needed to improve schedule. This may involve reassignment of responsibility for some activities.

We expect that LWA will be desired to support soil remediation (backfill) and other construction activities prior to COL. Construction schedule and tasks are being evaluated to determine scope of LWA.

Site Certification Application (SCA) is scheduled for submittal in June 2008. We anticipate that pre-construction work will require permits to be issued in advance of SCA. We anticipate that this will be a significant challenge to the LNP schedule and may be the critical path for the LNP project. Scope and schedule for required permits is being developed and meetings with the state agencies will be setup to review permitting needs.

6.3. Regulatory Update

No update.

7. License Renewal Update

REDACTED

8. NuStart Development LLC Update

NuStart submitted the Bellefonte AP1000 Reference COLA (R-COLA) on October 30th, 2007. The NRC advised NuStart that the sufficiency review for this COLA officially started on November 19th, 2007 and was expected to take ~ 60 to 120 days.

The process for controlling RAIs on the reference COLA continues to be developed.

9. APOG LLC Update

No APOG meetings occurred during November 2007.

10. Public and Media Interaction

No significant public and/or media interaction occurred in November 2007 related to new nuclear plant development.

Progress Energy

CONFIDENTIAL

Nuclear Plant Development & License Renewal

Performance Report

December 2007

Progress Energy, Inc.
410 South Wilmington Street
Raleigh, North Carolina 27602

NGG Nuclear Generation Group

Submitted by

Supervisor Projects Controls _____

Approval

General Manager NPD&LR: _____

Table of Contents

CONFIDENTIAL

1. Executive Summary 4
1.1. Safety 4
1.2. Cost 4
1.3. Schedule 4
1.4. Key Issues 5
1.5. Look Ahead 5
2. Project Performance Data and KPIs 6
2.1. KPI Summary 6
2.2. Cost Performance 6
2.3. Contract Status (exceeding $ 100k) 8
2.4. Schedule Performance 9
2.4.1. PEC COLA Development 9
2.4.2. PEF COLA Development 9
2.4.3. PEF SCA Development 9
2.4.4. PEF SS&W Price Finalization 9
2.4.5. PEF SS&W Phase 1A Conceptual Design/Planning 10
2.5. Scope Changes 10
2.5.1. Business Analysis Package (BAP) Changes 10
2.5.2. PEC Scope Changes Authorized 10
2.5.3. PEC Potential and/or Pending Scope Changes 10
2.5.4. PEF Authorized Scope Changes 11
2.5.5. PEF Potential and/or Pending Scope Changes 11
2.6. High Risk Issues 11
2.7. Organization & Staffing 12
2.7.1. Permanent Positions 12
2.7.2. Contract Staff 12
2.7.3. License Renewal Staffing Transition 12
3. Significant Project Decisions 12
3.1. PEC 12
3.2. PEF 13
4. Self-Evaluation Results 13
4.1. Self Assessments and Audits 13
4.2. NPD Corrective Action Program (CAP) 13
4.3. NPD Benchmarking 13
4.4. NPD Quality Assurance Activities 13
4.4.1. NRC QA Audit 14
4.4.2. NPD Quality Assurance Plan 14
4.4.3. Planned COLA Reviews 14
5. Engineering Update 15
5.1. PEF Land Acquisition 15
5.2. PEF Field Activities 15
5.3. PEF Site Engineering 15
5.4. PEC Field Activities 15

5.5. PEC Site Engineering 15
5.6. AP1000 Design Activities 15
6. Licensing Update 16
6.1. PEC 16
6.2. PEF 16
6.3. Regulatory Update 16
7. License Renewal Update 17
7.1. HNP License Renewal Application Review 17
7.2. CR3 License Renewal Application Development 17
8. NuStart Development LLC Update 17
9. APOG LLC Update 17
10. Public and Media Interaction 17

CONFIDENTIAL

1. Executive Summary

[!] CONFIDENTIAL

1.1. Safety

There are no health and safety issues to report for the month of December 2007.

1.2. Cost

Redacted

The project was [redacted] under budget for the year and [redacted] under the 3rd Quarter Projection. Approximately [redacted] of the projection variance is driven by the adjacent land purchase (Lybass) and COLA Phase 1 Prep and conceptual design work planned for 2007, but not completed. Some of this cost will shift into 2008. The additional [redacted] under run to the projection is associated with the estimated cost of additional impact evaluations expected and owner engineering evaluation work that did not occur due to the late delivery of the "price books" and other work priorities. Some of this cost will shift also into 2008.

1.3. Schedule

REDACTED

REDACTED

PEF Price Finalization (Shaw) – The project is 66% complete. Final reviews of cost book write-ups and estimates are being completed in all four major categories, Building & Yard Areas, Construction, Environmental – Geotechnical, and Project Management. Updates are continuing to be provided to Westinghouse to support delivery of the Levy schedule on January 31, 2008. Critical work activity continues to be on completing the proposed plan for the BOP Geological Site Investigation. Due date is 1/15/08.

PEF Phase 1A Activities – The project is 100% complete for all original tasks (1-10). Progress is requesting formal documentation from Shaw of task completion and acceptance and that no additional charges are expected. Remaining items for the work authorization is for Task 11, Levy COLA constructability reviews and Task 13, Early Permitting Support.

PEF Price Finalization (Westinghouse) – Remaining project milestones are on schedule. The November 29th milestone for delivery of the standard plant cost book was delayed and issued on December 17th. December activities focused on completing the standard plant generic two unit schedule and the standard plant cost book. On schedule to deliver integrated price book on February 14th.

PEF Site Certification Application – The project is 15% complete. Current schedule indicates all activities are currently on schedule to support June 2008 SCA submittal. Current critical activities are developing Appendices for state and federal permits, the land use plan, and zoning. Requesting additional details is included in future JVT Status Reports.

1.4. Key Issues

- Site specific ITAAC to address soil remediation will be required by the NRC.
- FPSC Need Determination Petition to be filed in January 2008 requires updated cost. Updated power block costs received in December have been incorporated. Costs provided by Westinghouse have increased significantly. It is anticipated that site specific costs will also rise. Meetings schedule with Westinghouse to address this issue.
- **REDACTED**
- Establish DOR and determine the impact of the requirement by the Army Corp. of Engineers to not accept segmented approach to early permitting.

1.5. Look Ahead

- Submit updated total project cost estimate to System Planning to support Need Filing by January 4th, 2008.
- NRC Pre-application inspection of Levy site selection process – Jan 7th,
- Technical meeting with NRC staff to discuss geotechnical topics associated with the Levy County site - Jan 10th
- Electronically linked integrated COLA to be submitted to Progress Energy on January 11th, 2008.
- Sr. Management meeting between Progress Energy and Westinghouse Shaw Stone & Webster to be held January 19th.
- REDACTED
- Delivery of Levy project schedule from Westinghouse January 31, 2008.
- Independent assessment team final report scheduled for January 30th, 2008.
- Need filing submittal targeted for January 31, 2008.

2. Project Performance Data and KPIs

2.1. KPI Summary

CONFIDENTIAL

Project Cost Current Year	Yellow
Project Cost Total COLA BAP	[redacted]
Major Milestone Achievement	

REDACTED

Shaw PH 1A SPI -	1.00
Shaw PH 1A CPI -	1.35
Shaw Price Final SPI -	1.00
Shaw Price Final CPI-	1.15
SCA SPI -	0.97
SCA CPI -	0.99

[redacted]

2.2. Cost Performance

NPD - Variance to Budget:

Redacted

New Plant Development is [redacted] under budget for the year. [redacted] of the under run is driven by the adjacent Lybass land purchase. [redacted] was included in budget and projection. The actual cost allocation for the land between nuclear, transmission, and land held for future use was not determined until late December. The actual nuclear allocation was approximately [redacted]. The remaining under run is driven primarily by COLA phase 1 prep and conceptual design work planned for 2007 but not completed. Some of this cost will shift into 2008.

NPD - Variance to Projection

Redacted

New Plant Development ended the year at [redacted] under third quarter projection. Approximately [redacted] of the variance to projection is associated with land and the COLA phase 1 prep and conceptual design work discussed above. The additional [redacted] under run is associated with the estimated cost of additional impact evaluations expected and owner engineering evaluation work that did not occur due to the late delivery of the "price books" and other work priorities. Some of this cost will shift into 2008. Analysis is underway to determine the cost of work shifting into 2008.

Redacted

LR – Variance to Budget
License Renewal is [redacted] favorable to budget. .

REDACTED

Redacted

LR – Variance to Projection
License Renewal ended the year at [redacted] under projection.

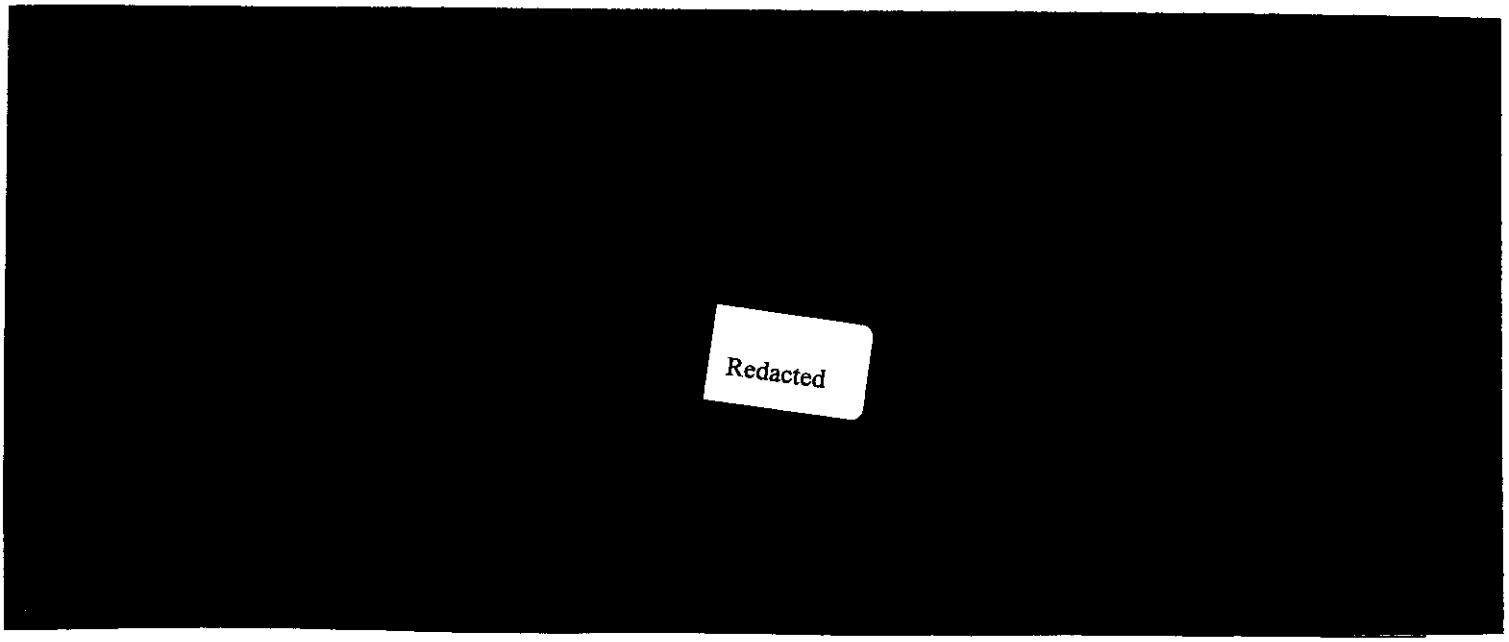
CONFIDENTIAL

Project	2007 Annual Budget	2007 YE Projection	2007 YTD Actual	Project -to Date Spend	Total Project Cost	Total Project Cost Status
REDACTED						
COLA – PEF	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

REDACTED

[redacted]

Redacted



2.3. Contract Status (exceeding $ 100k)

Redacted

Progress Energy Florida (PEF):

Vendor	Committed	Spent	Remaining
Staff Augmentation			
Joint Venture Team (COLA)			
Land Acquisition*			
Sargent & Lundy (Estimating)			
Sargent & Lundy (SCA)			
Shaw Stone & Webster			
Shaw Stone & Webster (Price Book)			
Westinghouse (Price Book)			
Duncan Company (Real Estate)			

* Closed on adjacent land purchase in December. Portion assignable to PEF NGG was approximately

REDACTED

CONFIDENTIAL

2.4. Schedule Performance

REDACTED

2.4.2. PEF COLA Development

Overall COLA project is 63% complete. The SPI for the project is 0.97. The SPI has been trending behind schedule since June 2007. Impact Evaluation # 109 has been submitted and upon approval sets the baseline that supports a July 31, 2008 COLA submittal to the NRC. The improvement in COLA schedule is the result of significant planning and implementation of an alternate approach to complete FSAR 2.5. Critical work activities include complete and issue FASR 2.4, FSAR 2.5, and ER Chapter 7. Weekly schedule review meetings to review critical items, action items, and upcoming activities with the JVT continue. The NRC has stated that sufficiency reviews for the Bellefonte COLA will take 60-120 days. The July submittal date is critical with the longer NRC acceptance review schedule. The CPI for the project is 1.04. The CPI has consistently trended under the approved project baseline budget.

2.4.3. PEF SCA Development

The project is approximately 15% complete. The SPI for the project is .97. The CPI is .99. Current schedule indicates all activities are currently on schedule to support June 2008 SCA submittal. Current critical activities are developing Appendices for state and federal permits, the land use plan, and zoning. Requesting additional details is included in future JVT Status Reports.

2.4.4. PEF SS&W Price Finalization

The project is 66% complete. The SPI is 1.0. Final reviews of cost book write-ups and estimates are being completed in all four major categories, Building & Yard Areas, Construction, Environmental – Geotechnical, and Project Management. Updates are continuing to be provided to Westinghouse to support delivery of the Levy schedule on January 31, 2008. Critical work activity continues to be on completing the proposed plan for the BOP Geological Site Investigation. Due date is 1/15/08. The CPI is 1.15 with current forecasted cost expected to be approximately [redacted] under the [redacted] funds authorized.

Redacted

CONFIDENTIAL

2.4.5. PEF Westinghouse Price Finalization

Remaining project milestones are on schedule. The November 29th milestone for delivery of the standard plant cost book was delayed and issued on December 17th. December activities focused on completing the standard plant generic two unit schedule and the standard plant cost book. On schedule to deliver integrated price book on February 14th.

2.4.6. PEF SS&W Phase 1A Conceptual Design/Planning

Overall Phase 1A project is 100% complete for the original tasks. The SPI for the project is 1.00 (approved impact evaluation established a re-baseline for project). Progress Energy review of CDP's completed. Remaining open items are to complete comment resolution on 5 packages and complete review of the interface report for site security. The CPI is 1.35 with current forecasted cost to be [redacted] under the [redacted] funds authorized. This underun will be utilized to fund the majority of the cost for additional impact evaluations submitted for COLA Constructability Reviews (Task 11) and Early Permitting Support (Task 12).

Redacted

2.5. Scope Changes

2.5.1. Business Analysis Package (BAP) Changes

Discussions are ongoing with Capital Planning & Control to convert the LNP project from the Business Analysis Package Process (BAP) to the Integrated Project Plan Process (IPP). The current plan is to complete a 2nd COLA BAP revision to bridge the project for work activities required until Price Finalization and EPC negotiations are completed and an updated total project cost can be incorporated into the IPP.

REDACTED

REDACTED

Redacted

2.5.4. PEF Authorized Scope Changes

- Since approval of JVT WA Amendment # 2 in June 2007, NPD has approved 33 Impact Evaluations for a total of [redacted]. These will be incorporated into the next WA Amendment #3. Updated task descriptions to support Amendment 3 have been submitted by the JVT and work on the WA amendment is proceeding. Most Impact Evaluations were required to support additional field activities required after selecting the site, and also for conceptual design work for site specific systems needed for the COLA. It should be noted that the large number of Impact Evaluations and associated cost is due to the Levy Site not being selected at the time the COLA work started. Also, 2 Impact Evaluations were reviewed and rejected for a total of [redacted].
- Since approval of JVT WA # 3 for the Site Certification Application in July 2007, 2 Impact Evaluations were approved for a total of [redacted]. The Impact Evaluations incorporated new scope related to Federal Permitting and Baseline Ecological Survey.
- Since approval of SSW WA#2 for Phase 1A support, one impact evaluation was approved for [redacted] to complete COLA constructability reviews. Impact Evaluation pending for Early Permitting Support.

2.5.5. PEF Potential and/or Pending Scope Changes

Other Progress Energy Florida potential scope changes include:

- Soil Resistivity Measurements for Grounding Conceptual Design.
- NRC ER comment resolution & documentation.
- SCA- pre-construction permitting activities.
- SCA- railroad permitting.
- SCA- additional meetings for agency coordination and project management.

2.6. High Risk Issues

REDACTED

The following risk items identified for Management attention for PEF include:

- Resolution of the site boundary (EAB) as determined by the initial meteorological data.
- Suitability of the soil/rock substrata for AP1000 structures.
- Evaluation & environmental impacts of the makeup and blowdown options.

[redacted]CONFIDENTIAL

- Obtaining US Army Corps of Engineer and Florida state concurrence to review permits required to construct Levy site infrastructure in advance of the SCA is required to support the planned in service date.
- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis).
- JVT schedule performance must be closely monitored and improved. CH2MHILL, in particular, has been unsuccessful in meeting schedules. Critical areas include Geotechnical (FSAR 2.5), Environmental Report, and evaluation of meteorological data and preparation of the Site Certification Application (SCA).

2.7. Organization & Staffing

2.7.1. Permanent Positions

The following authorized positions are vacant/ being recruited in the NPD organization:

- Manager – Nuclear Plant Engineering – vacancy filled.
- Electrical Engineer – vacancy created by resignation, recruiting in progress.
- I&C Engineer – recruiting in progress.
- Sr Engineer – (undesignated discipline), will be posted soon.
- Sr Technical Support Specialist - (undesignated discipline), will be posted soon.

2.7.2. Contract Staff

The following functional areas are covered by contract personnel augmentation:

- Field & Construction Management.
- Emergency Planning.
- COLA Administrative Reviews.
- Environmental permitting & licensing.
- Scheduling (part-time support via NGG Fire Protection contract staff).

REDACTED

3. Significant Project Decisions

The following significant recently made decisions regarding the Harris and Levy Deployments.

REDACTED

REDACTED

3.2. PEF

- COLA borings confirming the location & orientation of Units 1&2.
- Conceptual foundation design approach finalized. Compacted fill will be used for the nuclear island, piles will be used for other buildings (i.e.: Turbine, Diesel, and Annex. Buildings).
- Railroad will follow an Eastern route to Dunnellon.
- Transmission line corridors will include three 500kv lines traversing to the South.
- Utilizing a combined Switchyard for both units instead of separate Switchyard.
- The freshwater source for Potable, Demineralized, and Service Water Cooling Tower systems is well water.
- The north bank of the Barge Canal is the tentatively selected option for the Blowdown discharge into the Gulf.
- The Barge Canal is the option selected for the Make-up water intake.

4. Self-Evaluation Results

4.1. Self Assessments and Audits

Upcoming assessments/ audits include:.

- Financial charging Practices – 4th Quarter, 2007 (report complete, debrief remains).
- PES Audit of NPD – November 5th, 2007. (Complete, implementing recommendations and corrective actions).

4.2. NPD Corrective Action Program (CAP)

The following NPD NCRs were written during December 2007

- 258091 – Creation & completion of formal benchmark (LR).

4.3. NPD Benchmarking

NPD Self Assessment & Benchmark Coordinator has completed set up of 2008 plans. No benchmarks were completed during December 2007.

4.4. NPD Quality Assurance Activities

NGGM-PM-0030 formally documents existing business philosophy to use existing NGGC procedures and processes to implement Appendix B for new plant activities.

CONFIDENTIAL

- The FSAR Section 2.5 was submitted for page turn without all of the attachments. Also figure numbers do not follow instructions per PI-002.
- A Progress Energy audit is planned in December to verify the JVT actions planned to resolve NRC QA deficiencies.

4.4.1. NRC QA Audit

The NRC QA Audit identified a number of nonconforming conditions. A team for an independent assessment of the CH2M Hill Safety Related activities has been constituted for this assessment.

- The detailed independent assessment plan and schedule was discussed with progress Energy on 11/12/07.
- CH2M is proceeding with the disposition of the 8 CARs from the NRC Audit.
- Initial evaluations will be completed by 12/05/07.
- Fieldwork and subcontractor reports will be completed by 12/31/07.
- Final report is schedule for 01/25/07.

The LNP fieldwork plan and implementing procedures are being reviewed by the Independent team. The fieldwork plan will be submitted to Progress Energy for acceptance once the fieldwork plan is accepted by the independent team including any required revisions. (11/15/07).

4.4.2. NPD Quality Assurance Plan

Quality Assurance Plan for Nuclear Plant Development and Construction Activities is included in NGG Program Manual and approved by Scotty Hinnant, as Chief Nuclear Officer. NGGM-PM-0030, Quality Assurance Plan for New Nuclear Plant Development and Construction Activities, Revision 0 issued and effective June 25, 2007.

- CNO approval of the QA Program Description that will be submitted with the Harris COLA is required.

4.4.3. Planned COLA Reviews

- Peer reviews of Emergency Plan, Security Plan and Environmental Report COLA. Review includes technical, licensing and administrative review.
- An independent review includes Corporate Reg Affairs, QA and NPD.
- Final review will incorporate any required changes from the NRC sufficiency review of the Reference COLA that have been identified by year end.

CONFIDENTIAL

5. Engineering Update

5.1. PEF Land Acquisition

PEF officially closed on the ~ 2,159 acre Lybass parcels on Dec 14th, 2008. This acquisition includes a small ~ 50 acre parcel at the northwest corner of the Rayonier site and a large ~ 2000 acre parcel immediately south of the Rayonier site. Both will be used for access and/or conveyance routes.

A portion of this acquisition will be assigned to the Levy project for the piping and heavy haul road conveyance. A second portion of the parcel will be assigned to the Levy transmission project for the 500 kV lines leaving the Levy site. The remaining acreage will be held by PEF for future use.

5.2. PEF Field Activities

Remaining field geophysical measurements were completed by Technos and GeoVision during December 2007.

5.3. PEF Site Engineering

Phase 1A work continued in December 2007, along with price certainty work scope by SS&W. NPD continues oversight of these projects and deliverables. WEC/SSW provided and indicative price of the two unit Ap1000 power block in the December 17th, 2007 "Price Book". The Levy site specific facilities beyond the power blocks will be in a revised price book expected in February 2008, and are dependent on the ongoing Phase 1A and price certainty work activities by SS&W.

REDACTED

5.6. AP1000 Design Activities

The NRC continues the sufficiency review on the AP100 DCD Revision 16 amendment submitted by WEC, with an expectation that it will complete ~ January 18th, 2008.

PGN continues review of AP1000 DCPs and design finalization products produced by WEC. New AP1000 technical issues currently being resolved, via the NuStart Engineering committee which PGN participates on, include:

- Increasing main steam line diameter
- MSR reheat tube bundle design
- Required increase in the reactor coolant PORV size (6" to 12")

[1] CONFIDENTIAL

- Availability of spare digital cables through a dedicated containment penetration
- Grey rod maneuvering limitations and effect on fuel performance
- Addition of a Integrated head package cable bridge

6. Licensing Update

REDACTED

6.2. PEF

Detailed schedule review has achieved a revised schedule that supports a COLA submittal by 7/30/08. The COLA must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits. We expect that LWA will be desired to support soil remediation (backfill) and other construction activities prior to COL. Construction schedule and tasks are being evaluated to determine scope of LWA.

Site Certification Application (SCA) is scheduled for submittal in June 2008. We anticipate that pre-construction work will require permits to be issued in advance of SCA. We anticipate that this will be a significant challenge to the LNP schedule and may be the critical path for the LNP project. Scope and schedule for required permits is being developed and meetings with the state agencies will be setup to review permitting needs.

6.3. Regulatory Update

No update.

CONFIDENTIAL

7. License Renewal Update

REDACTED

8. NuStart Development LLC Update

The NuStart reference AP1000 COLA for Bellefonte continues to undergo a sufficiency review by the NRC. Two technical issues have emerged that Bellefonte is having discussions with the NRC on:

- Seismic methodology & schedule
  - Dames & Moore
  - East Tennessee seismic zone
- Hydrology model pedigree

Both issues are site-specific to Bellefonte and are likely to be resolved via the RAI process following docketing.

9. APOG LLC Update

No APOG activity occurred during December 2007.

10. Public and Media Interaction

No significant public and/or media interaction occurred in December 2007.

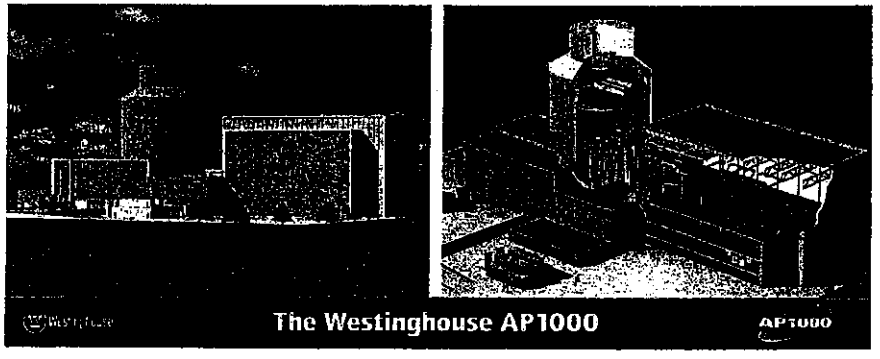
CONFIDENTIAL

New Nuclear Plant Development

AP1000

Monthly Project Review

Dec 18th, 2006



Progress Energy

CONFIDENTIAL

CONFIDENTIAL

Agenda

- NPD Budget Performance

REDACTED

  - JVT PEF COLA
  - Project Scope Additions / Deletions
  - Overall Project Performance
- On-going Contract Negotiations
- 2007 – 2008 Capital Budget Issue
- Integrated Schedule
- Review of Identified Risk Items
- Organization / Personnel Status
- Open Project Issues

Progress Energy

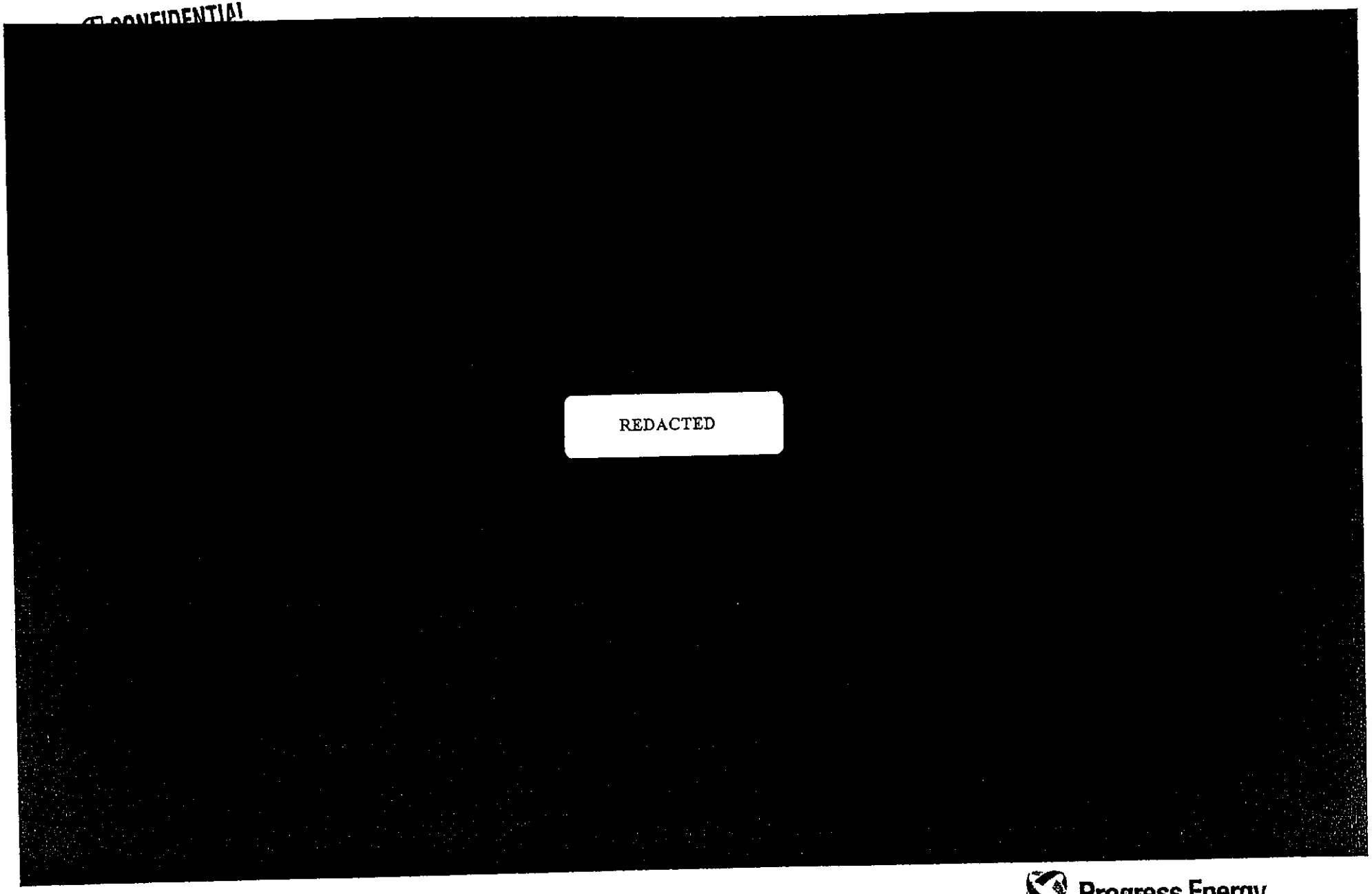
CONFIDENTIAL

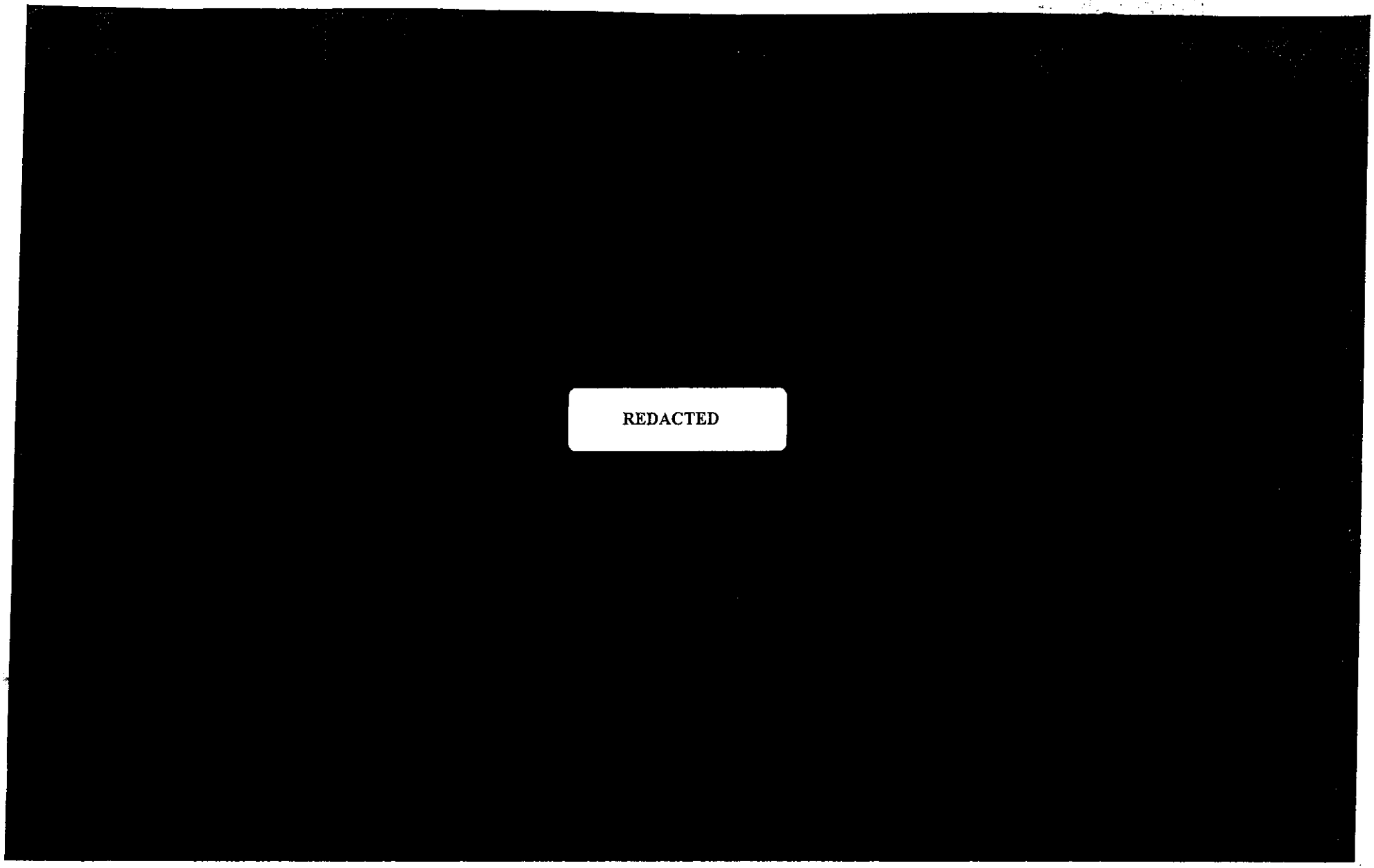
NPD Budget Performance

JVT PEC/Common Sections CWOs (end of Nov)

- WA # 1 Estimated Budget $ [redacted]
- Initial Approved Budget $ [redacted]
- Budget Revisions Approved $ [redacted]
- Current Approved Budget $ [redacted]
- Amount Invoiced $ [redacted]
- Remaining Approved Budget $ [redacted]
- Amount Received by JVT $ [redacted]

Progress Energy


REDACTED


REDACTED

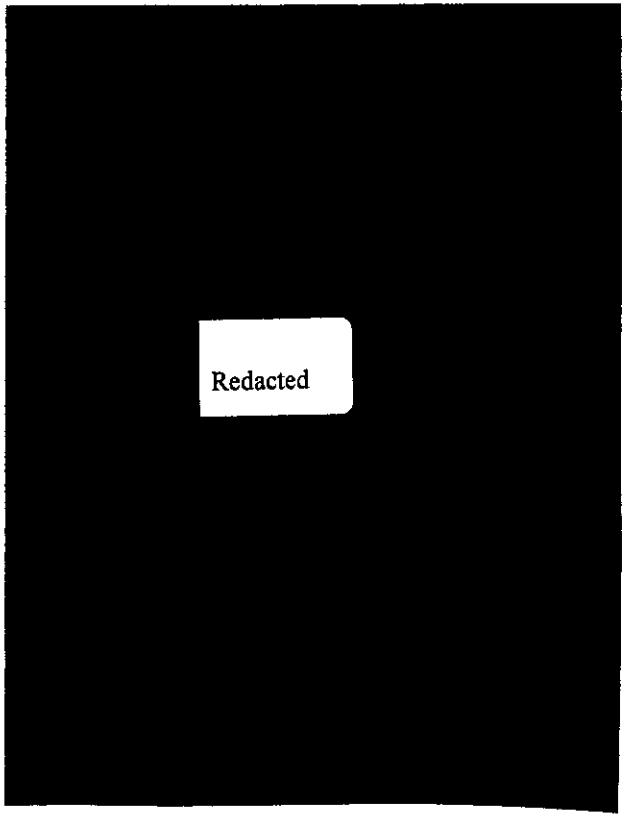
REDACTED

NPD Budget Performance

JVT PEF CWOs (end of Nov)

CONFIDENTIAL

- WA # 2 Estimated Budget $
- Interim Approved Budget $
- Budget Revisions Approved $
- Current Approved Budget $
- Amount Invoiced $
- Remaining Approved Budget $
- Amount Received by JVT $



Progress Energy

NPD Budget Performance

PEF Scope Additions – Potential / Pending

- Met Tower procurement, erection, testing, & data acquisition
- Karst investigations
- Conceptual design of raw water systems
- Environmental impact assessment of fresh water, barge canal makeup & blowdown discharge construction and operations
- Conceptual Design of aux. systems not in DCD scope
- Conceptual design site grading, drainage, road, & rail access to the site
- Validation package requirements
- Cost Escalation for work to be performed in 2006 -2007
- Alternate approach to compensate for late Met Tower completion

NPD KPI Performance

CONFIDENTIAL

JVT EV, Project Cost & Schedule Performance

NPD Annunciator Panel
As of 11/30/2006

JVT Earned Value Metrics **PEF metrics can not yet be determined.*

PEC	PEF*
Cost Performance Index (CPI)	

PEC	PEF*
Schedule Performance Index (SPI)	

Project Cost Performance

***In future years, indicators will reflect cost comparisons to both Authorized and to Budget.*

Currently applying concept that if the costs are UNDER then the indicator is green regardless of how large the variance. This is different than described in proposed KPI table.

YTD Authorized** vs YTD Actual Cost

Yr End Authorized** vs Year End Projection

COLA BAP Phase Authorized** vs Phase End Projection

COLA BAP Total Authorized** vs Projected COLA BAP

Integrated Schedule Adherence

Major Milestone Achievement

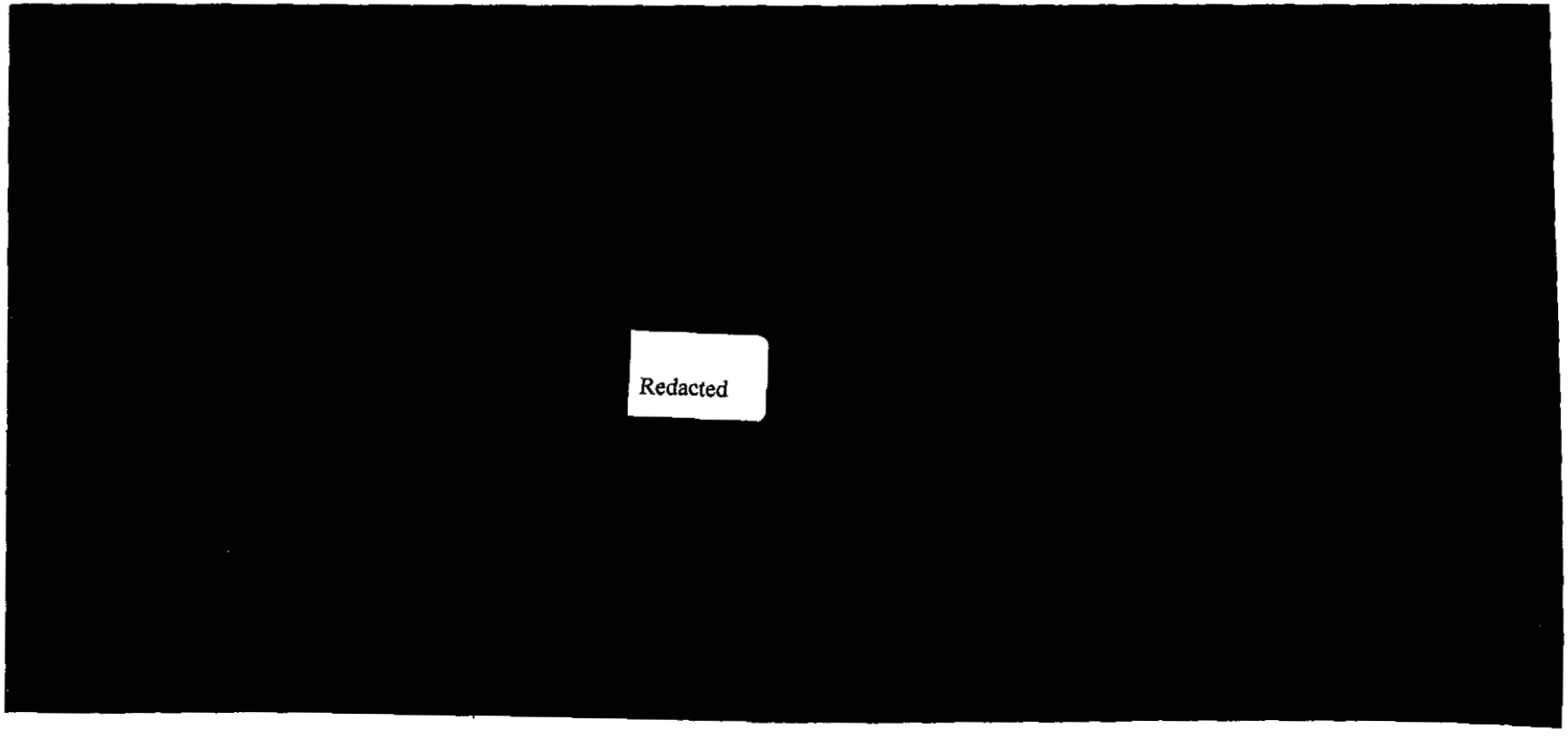
On Target In Jeopardy Off Target Not Statused

Progress Energy

[1] CONFIDENTIAL

NPD Budget Performance

Total 2006 Budget PEC/PEF/Common



Key Drivers are 2006 Westinghouse Support for COLA development was *less than anticipated*, a portion of the Florida COLA preparation work is shifting into 2007, and Company Labor & Staff Aug. labor started later in the year and was less than anticipated.

Progress Energy

CONFIDENTIAL

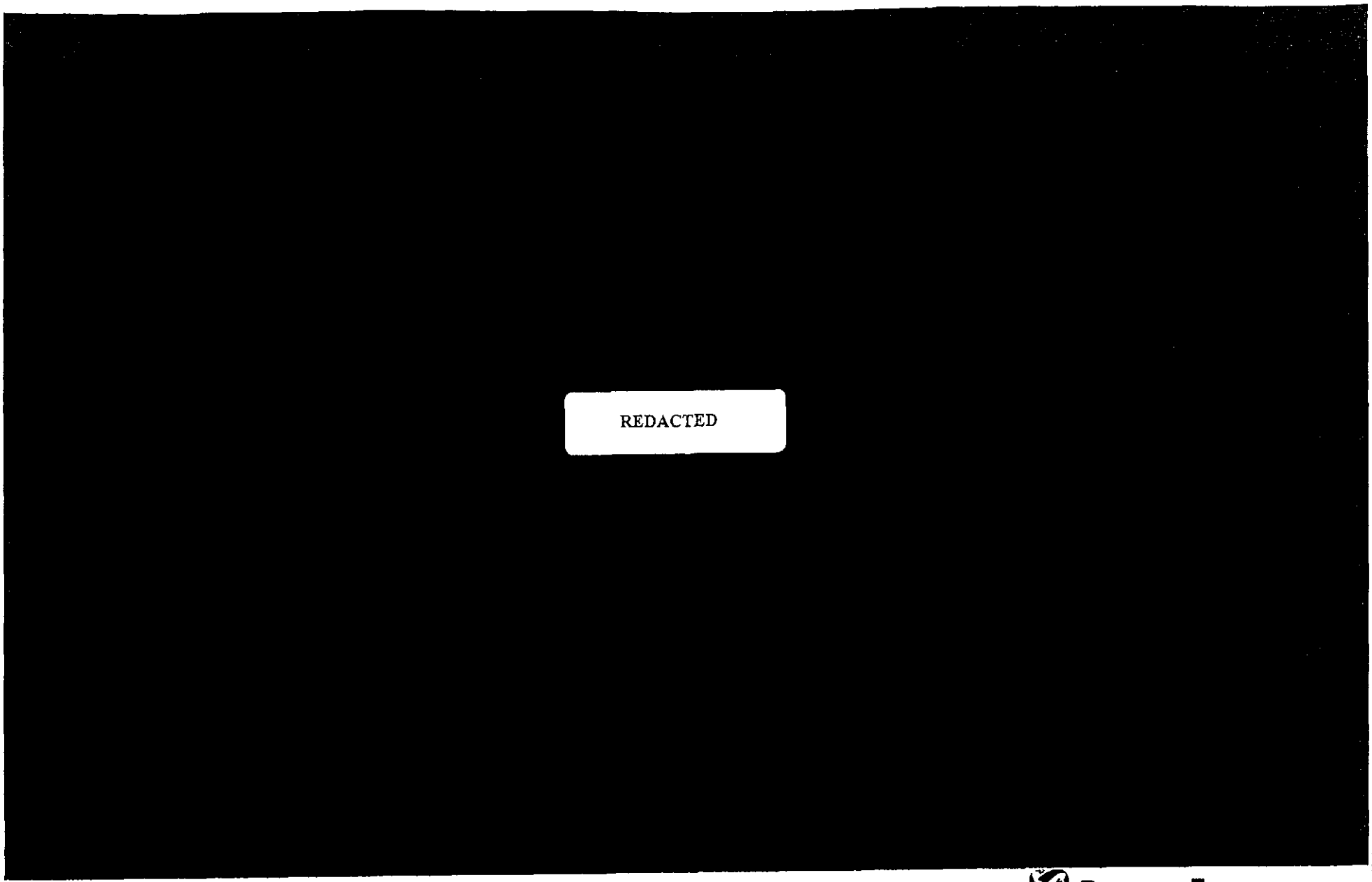
NPD Budget Performance

Overall Project (in $ M)

Land	Redacted	Redacted	Redacted
JVT COLA			
West & SS&W			
Siting / other			
Legal			
Labor			

Progress Energy

REDACTED


REDACTED

CONFIDENTIAL

NPD Capital Budget

2007 - 2008 Capital Budget Issue (REDACTED & PEF)

- 2007 Capital Budget Request $ Redacted
- 2007 Financial Planning Assumption $
  - Based on *"shifted"* 90-Day SRT results (which preceded WEC request for '07 Project Infrastructure / Long Lead Equipment support)
  - Assumes $ Redacted for land
- 2007 Capital Shortfall $ Redacted

- Same problem exists in 2008 and beyond…

Progress Energy

CONFIDENTIAL

NPD Capital Budget

2007 - 2008 Capital Budget - Impact

- Current Financial Planning 2007 budget **DOES NOT** support land acquisition and COLA development in 2007
  - $ Redacted budget assumption
- **NO** funding for Long Lead Equipment Procurement, Project Infrastructure, or Owner/Engineer support
  - Long Lead Equipment ~ $
  - Project Infrastructure (W / SS&W) ~ $
  - Owner / Engineer Services ~ $

Redacted

NPD Project Schedule

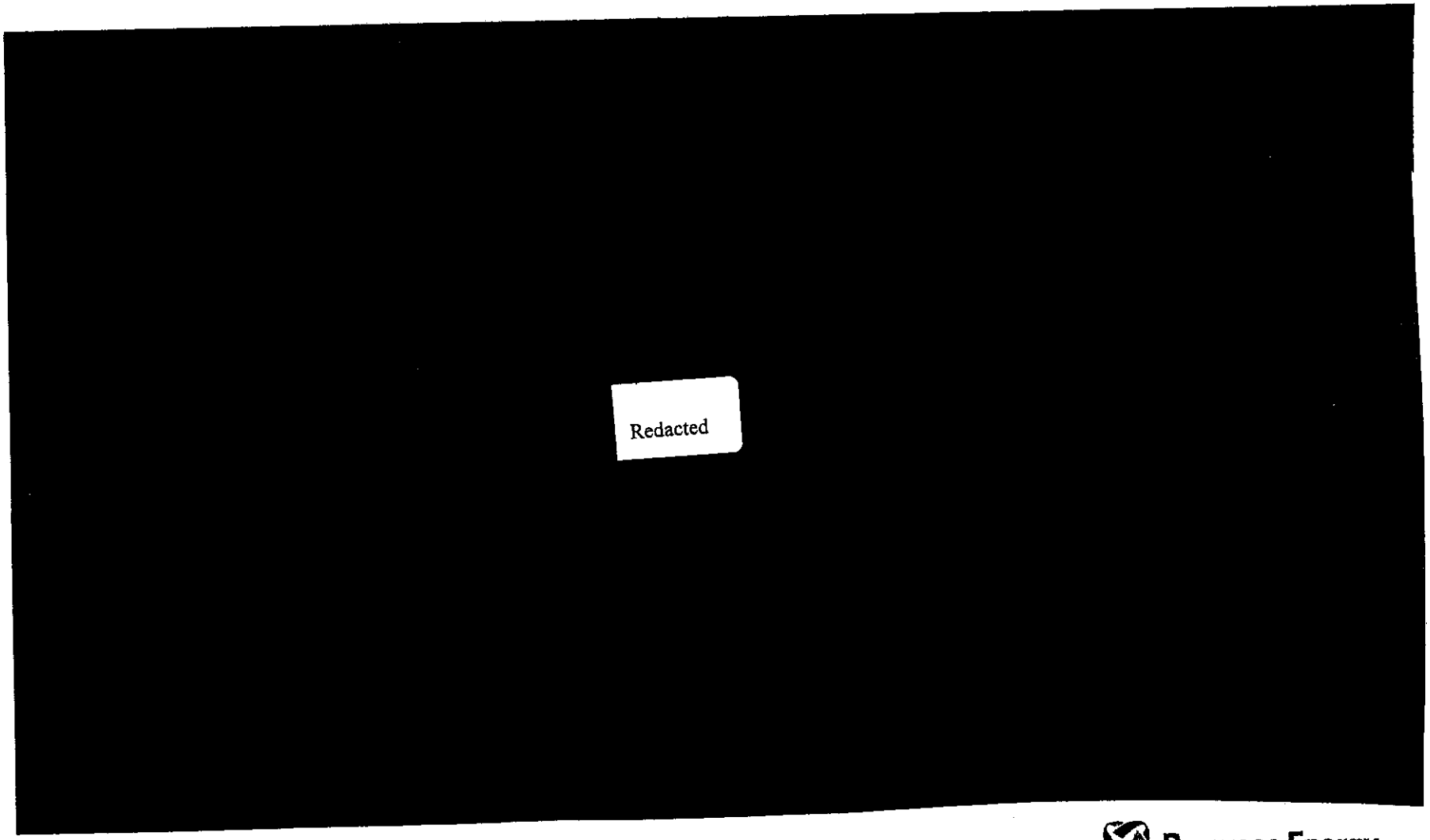
Integrated Schedule

- Integrated high level schedule developed – consistent with the company's resource plan recommendation. Currently incorporating Transmission activities
- Draft Florida COLA schedule is being reviewed and finalized
- Next steps
  - Analysis & reporting against COLA schedules
  - Developing a resource loaded schedule to support work requirements of both COLAs & construction planning activities

REDACTED

CONFIDENTIAL

PEF Integrated Schedule



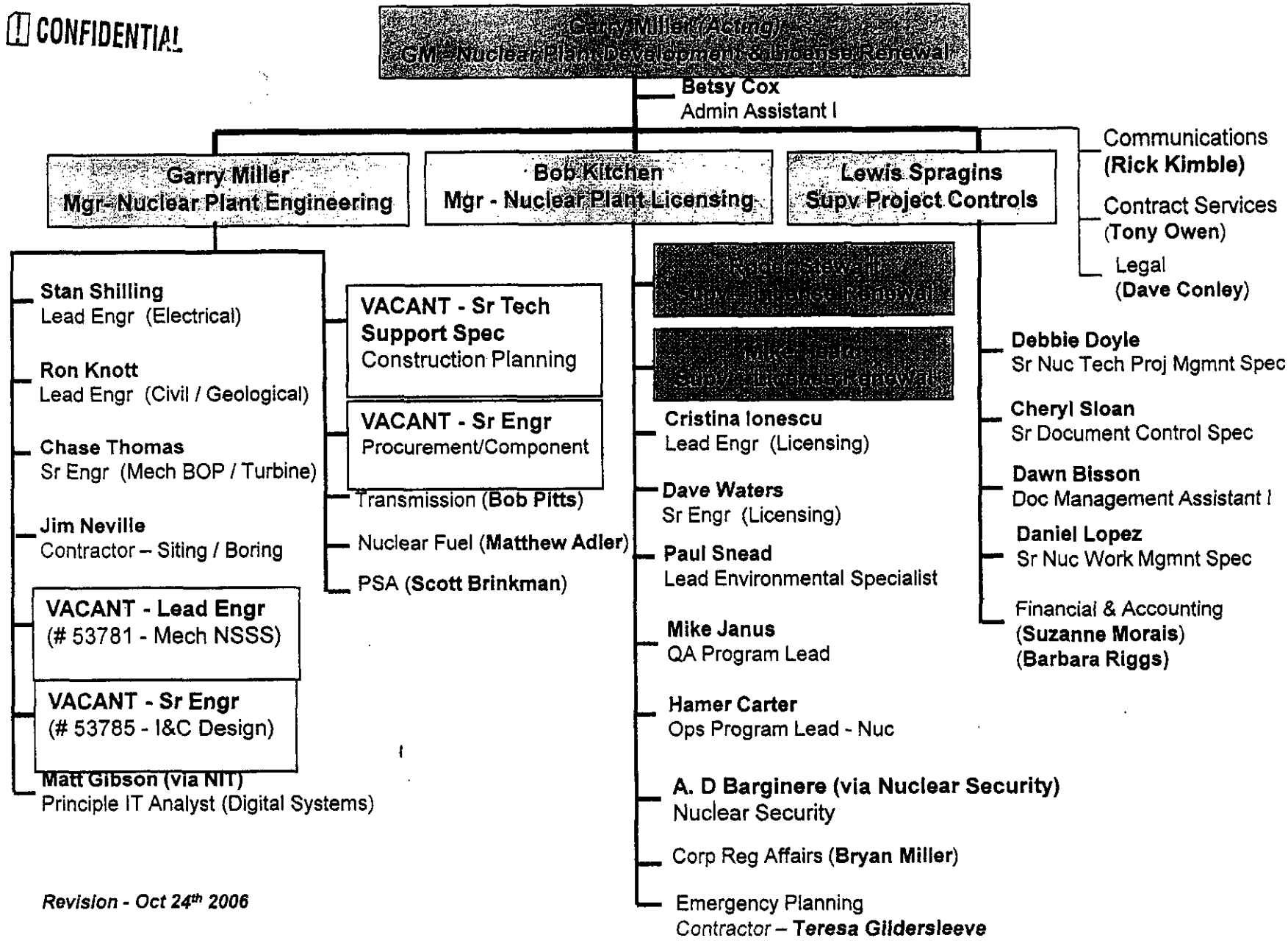
Progress Energy

Project Risk Matrix

- Items Identified as High Risk
  - New Security regulations may affect plant design, security strategy, & security plan. Security Assessment Guidelines will impact the security plan and drive a security plan revisions
  - Continuing delays of completion of the DG-1145 sections may impact COLA schedule
  - New requirements in NRC rules or processes may require last minute changes to designs or COLAs that delay submittal

Nuclear Plant Development & Licensing Renewal

CONFIDENTIAL



Revision - Oct 24th 2006

Open Project Issues

- 2007 - 2009 Capital funding shortfalls
  - Not supporting WEC project infrastructure for supply chain
  - Not starting site detailed design and construction planning
  - Not developing training and procedures as our peers
  - Not securing long lead equipment
  - Issues developing both internally and with WEC and NRC on the communication of COD dates for REDACTED and PEF

Open Project Issues (continued)

- Regulatory Instability and Resolution
  - Part 52 , DG 1145 and SRPs final versions
  - Security and Seismic PSHA
- Florida Site Environmental Permitting Challenges
- NuStart (Enercon) execution and product quality
- REDACTED

CONFIDENTIAL

New Plant Development and Licensing Renewal

March 2007 Monthly Status Report

Issued:
March 19, 2007

General Manager NPD&LR: Tim Cleary

Progress Energy
People. Performance. Excellence.

NGG

Progress Energy Business Proprietary and Confidential

Executive Summary:

- Safety – Sonic drilling soil samples developed severe mold and poses a health hazard. The samples were already photographed and characterized and no longer need to be stored. The soil samples will be discarded in the safest manner possible.

Redacted

- Cost – Combined Construction and Operating License Application (COLA) project is under budget through March. Key drivers are timing of Joint Venture Team (JVT), Phase 1A work, and land purchase. A revision to the COL Business Analysis Package will be completed after purchase price of Lybass property is finalized. Preparations are underway to seek approval to proceed with a new phase of the project related to procurement activities for long lead equipment and site specific work not related to COLA.

- Schedule –

REDACTED

  - LNP - The current COLA submittal date for Levy Nuclear Plant is August 22, 2008. The project is 25% complete. Fieldwork progress has been hampered by heavy rains, but overall project is tracking on budget and on schedule. Joint Venture Team has implemented a plan to improve the COLA submittal date to 7/31/08 and will be submitting impact evaluations.. COLA must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits.

- Engineering Procurement Construction (EPC) – EPC negotiations with Westinghouse is scheduled for April 16th and April 17th in Raleigh, N.C.

- Key Issues to Finalize:
  - Progress Energy has issued a stop work on product deliverables from CH2M Hill as a result of an audit conducted during the week of March 5th. CH2M Hill has transmitted their recovery plan and interim compensatory measures to Progress Energy for acceptance
  - Approval of pending Work Authorization Revisions for both Carolinas and Florida. These revisions incorporate scope and budget changes based on approved impact evaluations.

CONFIDENTIAL

Project Controls – Lewis Spragins

Redacted

Budget

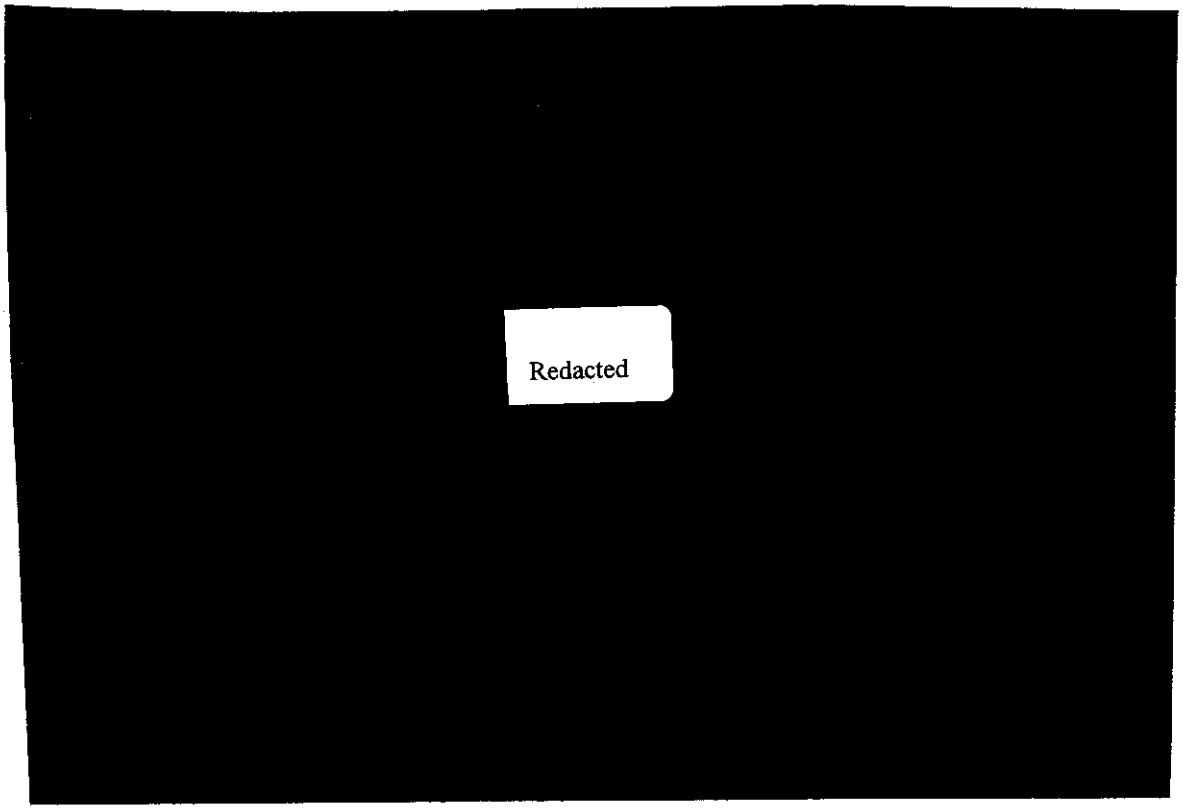
Year to date budget for NPD&LR is favorable due to timing of JVT , Phase 1A work , Land and LR NRC Fees

REDACTED

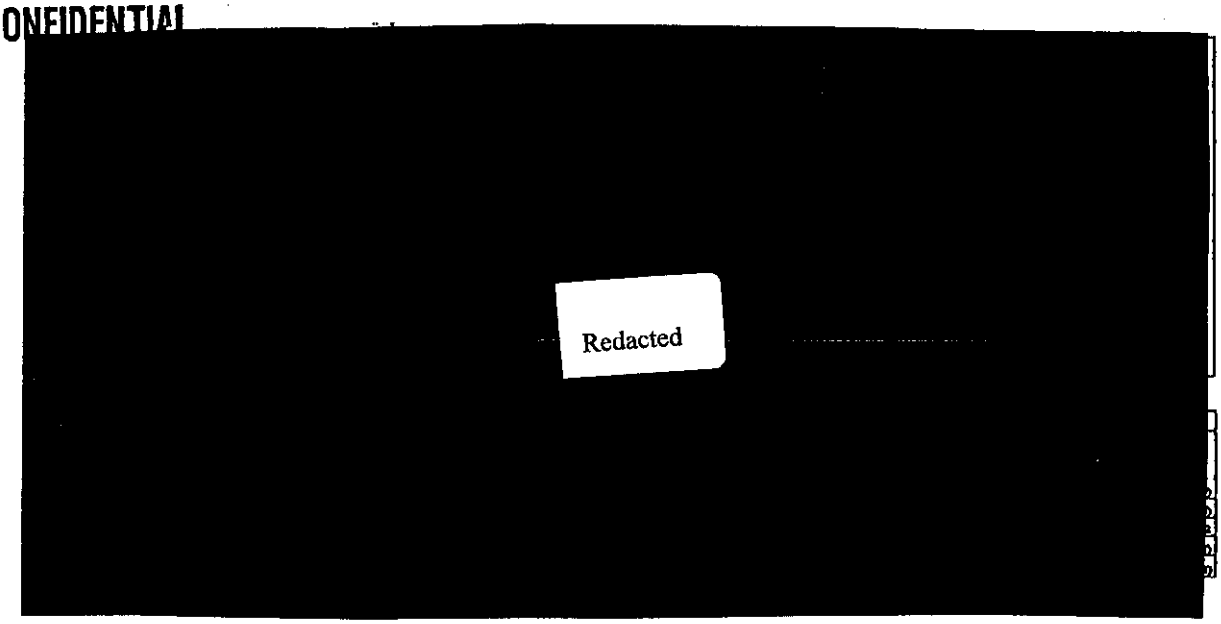
Project	2007 Annual Budget	2007 YE Projection	2007 YTD Actual		Project to Date Spend	Total Project Cost	Total Project Cost Status
		REDACTED					
COLA – PEF							Yellow

Redacted

REDACTED



CONFIDENTIAL



Contracts ($100k and over)

Progress Energy Florida (PEF):

Vendor	Committed	Spent	Remaining
Enercon (Nevill)	Redacted	Redacted	Redacted
Joint Venture Team (COLA)			
Rayonier Site (Land)			
Sargent & Lundy (Estimating)			
Shaw Stone and Webster Ph 1A Quickstart			

REDACTED

* Contract charts to be developed once monthly cash flow update process is finalized with Joint Venture Team in April. This will be applied to other major contracts going forward.

Project Control/Monitoring

CONFIDENTIAL

- Schedule

REDACTED

  - Progress Energy Florida – Overall COLA project is 25% complete including field work. The SPI and CPI is .97 & 1.08 respectively. The overall project is on schedule, but field work was impacted by heavy rains, poor drainage conditions, and some mechanical problems. Approximately 8816' of soil drilling and rock coring was completed through March verses a plan of approximately 10,610'. Remediation to improve drilling equipment access to the boring location is being implemented. Additional rigs are being mobilized to makeup the schedule.

- Project Change Control
  - A revision to the Business Analysis Package approved for COLA Development will be completed after purchase price of Lybass property is finalized. Preparations are underway to seek approval to proceed with a new phase of the project related to procurement activities for long lead equipment and site specific work not related to COLA

REDACTED

  - Progress Energy Florida – There are no pending impact evaluations. WA Revision to incorporate approved impact evaluations is in progress.

REDACTED

[!] CONFIDENTIAL

[!] CONFIDENTIAL

- Progress Energy Florida Potential Scope Changes
  - Environmental impact assessment of fresh water, makeup and blow down.
  - Wetland drilling permit exemption authorization requires use of swamp mats for boreholes in wetland areas.
  - Conceptual Design of Raw Water System (fresh water, makeup, & blow down).
  - Conceptual Design of rail access to the site.
  - Conceptual Design of site drainage and grading.
  - Conceptual Design of Auxiliary Systems not in DCD scope.
  - Support to prepare for Power Plant Siting Act application.
  - Additional deep hole requirements for SSE development.
  - Investigations to address NRC concerns on Tsunami
  - Additional investigations to address NRC concern on solution cavities located deep underground.
  - Approach to accelerate COLA submittal to 7/31/2008.
  - Scope change for endangered species survey.

Organization Staffing

- Project Controls – Fully staffed. No updates to report for March.

Current Risk Management Items Identified as High Risk

- Florida Siting Temperature Issues - The proposed Levy site in Florida has a historical maximum wetbulb temperature that exceeds the AP100 DCD Revision 15 value assumed in various plant system analyses.(Risk Issue # 134)

REDACTED

Note: These items above have been reviewed and validated by Garry Miller

CONFIDENTIAL

Challenges

- The most important challenge for Project Controls will be implementing the processes for the major project controls functions.
- Work with NPD&LR Management to establish membership and format for quarterly NPD&LR oversight committee.
- Implement plan to support electronic submittal and Administrative Review of COLA.

Self Evaluation

- Support the self assessment of NPD&LR Governance and Controls effectiveness.
- Support prudence assurance functions in development of a project specific assurance plan that integrates into the NPD&LR project plan.
- Support ongoing 2007 Internal Audit of NPD&LR.
- Support assessment of Florida Nuclear Plant Construction Project Controls processes.

CONFIDENTIAL

Engineering – Garry Miller

Safety

- Hunting will continue at the Levy County site through mid-March. Hunters have parked their vehicles on the access roads on occasion, which hindered access to the site drilling locations. On January 15th, a juvenile hunter pointed what appeared to be a loaded shot gun at a JVT person accessing the site. Progress Energy contacted Rayonier to notify the hunting club of the situation and has posted a map of the fieldwork area to alert hunters.

AP 1000 Design

- Dealing with Appendix I control room dose issue that appears to affect the majority of AP1000 sites. Westinghouse has asked for Worley support.
- Ongoing AP1000 Builders Group Actions on
  - TSC Location (PGN will use location described in DCD)
  - Fast bus transfer options on loss of main transformers
  - TOSHIBA turbine/generator option
- AP1000 security physical enhancements
- Department of Energy funding issue for Westinghouse design finalization (via NuStart)

Site Engineering/Layout

Levy

- Geotechnical field activities continue – final location of power plant islands still subject to change based on results. Westinghouse and Shaw Stone & Webster prefer parallel orientation. Waiting on Army Corps of Engineering to approve wetlands exemption.
- Phase 1A Work Authorization (WA) for Shaw Stone &Webster in final PGN routing with work to start shortly (refer to WA task plans for details)
- Preliminary heat rejection analysis in– suggests mechanical towers is best option for "hottest year", "average year", "over 40 years", and also "over 60 years". Report will be finalized and is an input to the Levy site layout.
- Final site engineering for make-up/blowdown conveyances and heavy load path affected by land issues (both private and State of Florida)

REDACTED

Land

- Progress Energy exercised its right to extend contingency period and made the 2nd due diligence earnest money deposit on Feb 14th (by wire transfer). Remaining dates are as follows:
  - 2nd Earnest Money Deposit (+90 days) – Feb 16th
  - 3rd Earnest Money Deposit (+180 days) – May 17th
  - Contingency Period Ends (+270 days) – Aug 15th
  - Closing (+300 days) – Sept 14th
- Hunting privileges have been cancelled
- Survey activities continue by Heidt Assoc. Contract requires completion by April 30th. Noted issue with existing Highway 19 road access.
- Negotiations continue with Lybass on potential corridors and right-of-ways.

Organization Staffing

- Current vacancies include:
  - Lead Engr (Mechanical NSSS)
  - Sr Engr (Instrument &Controls)
  - Sr Engr (Procurement)
  - Sr Tech Support Spec (Construction Planning)
- Need to consider re-structuring positions and then post
- On-going contracted support by Enercon (Jim Nevill)

Challenges

- Negotiations with Shaw Stone and Webster to develop the initial Work Authorization for Phase 1A work
- Continued industry resolution of seismic hi-frequency exceedances
- Potential late security retro-fits to AP1000 design
- Non-uniformity of drilling in results at Levy could require additional borings (potential scope increase)
- Wetlands protection from drilling activities required at Levy (scope increase)
- Land negotiations and associated affect on site engineering decisions

Self Evaluation

- Quality issue with Levy Geotechnical Work Plan wetlands delineation and Aquifer Plan monitoring wells delineation – both documents were corrected and revisions issued.
- Audit by PGN planned week of Feb 19th at JVT in Chicago
- Audit of JVT field activities at Levy site planned for week of Mar 19th
- NRC audit of Levy site field activities planned for March 26th & 27th

[!] CONFIDENTIAL

Licensing – Bob Kitchen

License Renewal

REDACTED

COLA

REDACTED

- Levy
  - COLA submittal date is 8/28/08.
    - Must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits
  - Public meeting with NRC targeted for April 2007
    - Need to be able to announce technology selection
    - Be prepared to discuss Harris Nuclear Plant schedule
  - NRC geotechnical site visit scheduled for 3/26 & 3/27
- NuStart
  - Rev B (final draft section) documents are being issued but are significantly behind schedule
  - NRC – DCWG meeting planned for 3/22 & 3/23
  - DCD rev 16 to be submitted on 5/24/07
    - Deadline for design changes to be included is 3/31/07
    - Deadline for changes requiring Technical report is 5/1/07

Regulatory Actions

CONFIDENTIAL

- **Emergency Preparedness**
  - EAL Guidelines (NEI 07-01) submitted to NRC
  - TSC – COLA will be developed based on current DCD design.
- Part 52 and RG 1.206 expected to be issued in June
  - Aircraft crash to remain as beyond design basis
- Disagreement between industry and NRC re construction FFD requirements
  - NRC wants full FFD program
  - Industry wants program limited in scope

Organization Staffing

- Fully Staffed
- Transition plan being developed for License Renewal
- Need to assess when to establish independent QA organization

Challenges

REDACTED

2. LNP COLA date is currently 8/28/08. Need to review schedule logic with JVT and try to improve
3. Rev B completion – NuStart. We are using Rev B sections as soon as our comments are addressed. Plan to reconcile with changes when Rev B sections issued and at Chapter level
4.
5. REDACTED

Self Evaluation

- QA assessment
  - S&L completed week of 2/19 – Report development in progress (Mike Janus, Stan Shilling and David Waters)
  - CH2 week of 3/5 (Mike Janus and Paul Snead)
- Compliance inspection of LNP field activities will be performed in mid-March (Mike Janus).
  - Complete prior to NRC visit on 3/26 & 3/27

Attachment 1

NPD Annunciator Panel

As of 3/31/07

JVT Earned Value Metrics

Cost Performance Index (CPI)	Schedule Performance Index (SPI)

Project Cost Performance

***In future years, indicators will reflect cost comparisons to both Authorized and to Budget.*

Currently applying concept that if the costs are UNDER then the indicator is green regardless of how large the variance. This is different than described in proposed KPI table.

YTD Authorized** vs YTD Actual Cost	Yr End Authorized** vs Year End Projection
COLA BAP Phase Authorized** vs Phase End Projection	COLA BAP Total Authorized** vs Projected COLA BAP

Integrated Schedule Adherance

Major Milestone Achievement

On Target | In Jeopardy | Off Target | Not Statused

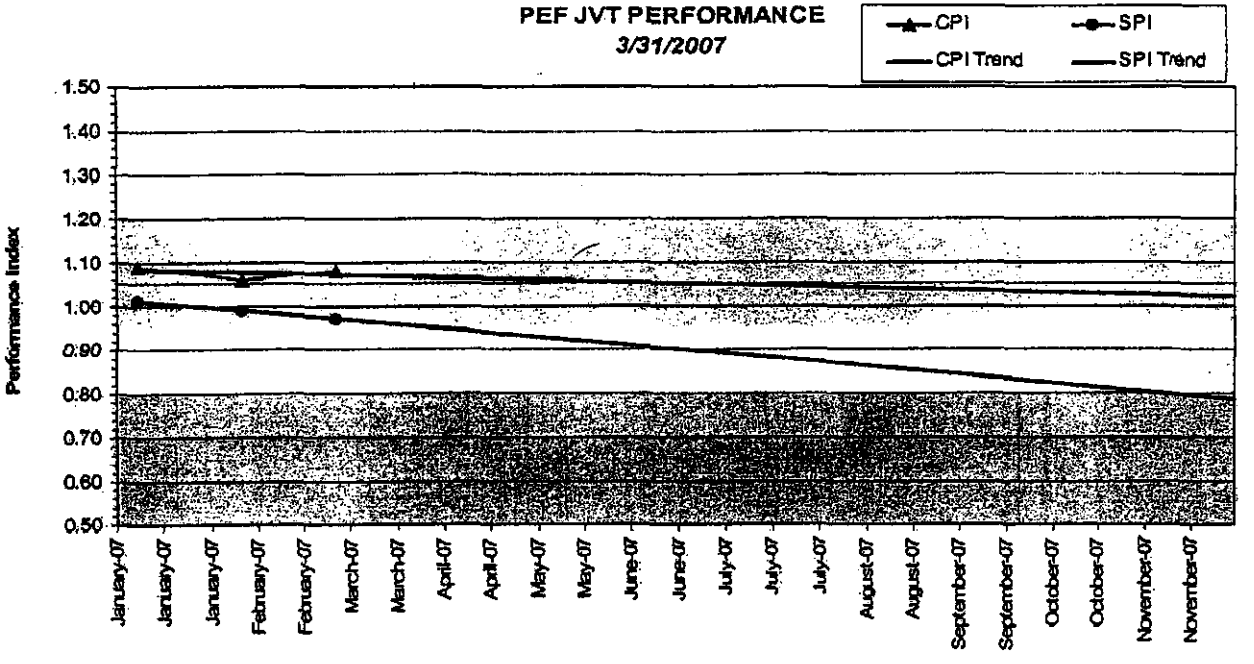
[redacted]

REDACTED

CONFIDENTIAL

Attachment 3

PEF JVT PERFORMANCE
3/31/2007



	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
CPI	1.09	1.06	1.08																					
SPI	1.01	0.99	0.97																					

Cost Performance Index (CPI) – Performance relative to project cost. >1.0 indicates under budget
CPI Trend – predicted CPI based on trending of current cost performance
Schedule Performance Index (SPI) – Performance relative to project schedule. > 1.0 indicates ahead of schedule
SPI Trend – predicted SPI based on trending of current schedule performance

CONFIDENTIAL

New Plant Development and Licensing Renewal

July 2007 Monthly Status Report

Issued: August 24, 2007:

Submitted by

Supervisor Project Controls: Lewis Spragins

General Manager NPD&LR: Garry D. Miller

Progress Energy

People. Performance. Excellence.

NGG

Progress Energy Business Proprietary and Confidential

Executive Summary:

- Safety –
  - JVT – No health and safety issues identified in July
  - Shaw safety information was not available (no accidents or incidents reported).

Redacted

[1] CONFIDENTIAL

- Cost – Combined Construction and Operating License Application (COLA) project is under budget through July. Key drivers are timing of Joint Venture Team (JVT) COLA preparation and Shaw Phase 1A work. A revision to the COLA Business Analysis Package is being prepared to increase the authorized spending total to account for land acquisition costs greater than originally estimated.

- Schedule –

REDACTED

  - LNP -The project is 39% complete. All 90 boreholes in the plant area are complete. The Impact Evaluation to reflect supplemental borings has not been approved. The current COLA submittal date for Levy Nuclear Plant is August 22, 2008. Joint Venture Team will implement shorter durations and schedule logic changes to improve the targeted COLA submittal date to 7/31/08. COLA must be filed with the NRC by 12/31/08 to be eligible for Production Tax Credits.

- Engineering Procurement Construction (EPC) – No EPC negotiation meetings with Westinghouse were held in July. Next meeting scheduled in St. Petersburg on August 22nd – 24th.

- Key Issues to Finalize -
  - Progress Energy plans a QA Audit of CH2M jointly with Unistar during the week of September 10th, 2007.
  - NRC Audit of JV Cola activities is planned for October 2007.
  - Shaw submittal of monthly project status reports by agreed upon date is not occurring.
  - RFI 199 and 090, Switchyard Conceptual Design.
  - RFI 154, Switchyard location.
  - Switchyard Design Parameters to JVT are currently 49 days late.

- Self Assessment -
  NPD&LR will continue to address open action items from the self assessment.

CONFIDENTIAL

Project Controls – Lewis Spragins

Budget

Redacted

Year to date NPD COLA is favorable to budget primarily due to the timing of Phase 1A work , Shaw Stone & Webster COLA support and other miscellaneous under runs ( ) offset somewhat by YTD over runs related to JVT Impact Evaluations.

Year to date NPD LR is favorable to budget.

REDACTED

Project	2007 Annual Budget	2007 YE Projection	2007 YTD Actual	Project to Date Spend	Total Project Cost	Total Project Cost Status
C	REDACTED					
COLA – PEF						Yellow*

Redacted

REDACTED

*BAP revision is being routed to increase the authorized project total to account for the cost of the Levy County property. The total project cost and yellow alert will be updated once final approval is obtained later this month.

Redacted

CONFIDENTIAL

[redacted]

Redacted

Project Control/Monitoring

CONFIDENTIAL

- **Schedule & Cost**

[redacted]

REDACTED

- Progress Energy Florida:
  - Overall COLA project is 39% complete including field work. The SPI and CPI is 0.95 & .96 respectively as compared to the latest baseline (baseline increases as Impact Evaluations are approved). The Impact Evaluation for supplemental borings has not been approved and is not in the baseline resulting is a lower CPI. The target LNP COLA submittal date is August 22, 2008. However, as shown by the variance from the previous month, the schedule for several deliverables is delayed resulting in back loading of the schedule. The delayed deliverables are:
    - Site drainage and grading design is delayed 55 days due to delays in impact evaluation approval and in finalizing the site arrangements.
    - Switchyard design was delayed an additional 24 days to a total of 49 days due to delays in receiving design inputs from Progress Energy.

CONFIDENTIAL

- Conceptual design of the CWS system is delayed 21 days due to delays in finalizing the site arrangements.
- Vibratory Ground Motion report completion is delayed 12 days due to insufficient progress during the past month.
- ER Chapter 2 was delayed by 22 days, ER Chapter 3 was delayed by 8 days for a total 20 days, ER Chapter 4 was delayed by 20 days for a total of 35 days, ER Chapter 9 was delayed by 20 days, and ER chapter 10 was delayed by 20 days. All due to insufficient progress during July 2007.
- Site Redress Plan was delayed by 20 days. The 'As Found Condition' determination for EP was delayed by 21 days for a total of 43 days. Both these delays were due to insufficient progress during July 2007.

JVT will assign additional resources to recover the schedule delays. JVT will implement shorter task durations and schedule logic changes to improve targeted COLA submittal from 8/22/08 to 7/31/08.

- Shaw - Work authorization was released on June 19th for Levy Phase 1A. The approved amount is with work scheduled to be completed by October 5th. No monthly status report for July was provided by Shaw. Redacted

- **Project Change Control**

A revision to the Business Analysis Package approved for COLA Development is in progress. The purpose of this revision to the BAP is to increase the authorized amount from to an increase of

- of the increase is driven by the projected cost of the Levy County land acquisition and adjacent land required for access roads, heavy haul route, and transmission access corridors. The Rayonier land purchase will cost approximately for the purchases, for legal and closing fees, and due once Levy Nuclear Plant COLA is issued). The purchase of required adjacent land is estimated at The original authorization was completed prior to site selection evaluations being completed and assumed the purchase of 2,500 acres @ per acre for a total cost of The current projection includes more acreage at a higher cost. Redacted Redacted

- of the increase is associated with FEMA fees and Site Certification Application requirements.
  - In January 2007, Nuclear Plant Development (NDP) was informed that the Department of Homeland Security would require each new

plant applicant be subject to an annual FEMA fee of $300,000. This new fee was not included in the original BAP.

- To meet the planned commercial operation date for Levy Nuclear Plant it is necessary to start the Site Certification Application process earlier than planned. The increase shown in this revision is not an increase to the total project costs. It is an acceleration of planned work from a future phase of the project.

Other adjustments have been made across cost categories to better reflect the actual cost of the COLA and the resources required. These adjustments do not impact the overall projection for the project.

Preparations and reviews are ongoing to seek approval to proceed with a new phase of the LNP project related to site specific work not related to COLA.

REDACTED

- o
- o
- o

Redacted

- Progress Energy Florida – As of July 31st, impact evaluations #52, for LNP Supplemental Borings and #63, LNP Excess Storm Water are pending approval with an estimate of . Other Progress Energy Florida potential scope changes include:
  - Siren Study.
  - Environmental impact of fresh (raw) water system and CWS make-up system and blowdown system.
  - JVT support of NRC pre-application visit.

Organization Staffing

- Project Controls – Fully staffed. A contract document management position has been posted. The contract scheduler for the NGG Fire Protection project is supporting development of the integrated schedule on a part time basis.

Current Risk Management Items Identified as High Risk

Identified high risk items are as follows:

- #129 – The selection to secure a capable COLA preparer is a critical link to licensing new nuclear plants and meeting the company's need to deliver quality COLAs for REDACTED and Levy within the required schedule at a reasonable cost.
- #17 - New security regulations may affect the plant design, security strategy, and the overall security plan. Security Assessment Guidelines, which are due by the NRC on February 17, 2007, will affect the Security Plan and may necessitate Plan revision.
- #18 - Continuing delays of completion of the DG-1145 sections could have impact on schedule if final regulatory guide is issued just before 6 month cutoff before docketing of the COL application. The potential exists that the revised SRP acceptance criteria and the guidance of associated section of DG-1145 will not be consistent.
- #24 - Impacts on the transmission system from new nuclear may be either positive or negative, depending on perspective. Additional lines at existing nuclear facilities provide grid stability and LOSP redundancy. These same lines may be viewed negatively due to environmental issues associated with routing, aesthetic concerns, land use. Line construction may also provide better access to strategic loads.
- REDACTED
- #115 - Total plant cost; including vendor and owner supplied scopes, site specific logistic and cost support, staffing, and project execution risk.
- #119 - Ability of NuStart, its vendors, and utilities to deliver the reference plant COLA deliverables to support PGN schedule.
- #164 - Increasing global demand for new reactors will challenge the capacity of suppliers to meet the manufacturing demand. (This is is from a 1/13/2006 presentation to mgmt as part of RX technology evaluation.)

REDACTED

- #134 - Florida Siting Temperature Issues
- #126 - Levy Plant rezoning uncertainty that is required for input into Site Certification Application.
- #108 - Inabilities to establish EPC contract beneficial to PE in terms of cost, schedule, and plant operating performance.
- #116 - The ability to obtain and retain sufficient qualified project management and skilled construction workforce to complete the project on cost and schedule.
- #33 - New requirements in NRC rules or processes could require last minute changes to designs or COLAs that delay submittals.
- #172 - Uncertainty associated with establishing a timely, accurate and comprehensive process to track and report construction activity accomplishment.

- #171 - It is uncertain that manufacturing tolerances will be achieved to ensure field fit-up of modular assemblies. The design or manufacturing procurement process may not address the need for achievable tolerances, flexibility for fit-up or adequate shipping for bracing and cushioning. (This is is from a 1/13/2006 presentation to mgmt as part of RX technology evaluation.)

Challenges

- Continue to implement processes for the key major project controls functions. Risk Management process document approved. Change Control and schedule process documents are currently being developed.
- Complete implementation plan to support electronic submittal and Administrative Review of COLA.

Self Evaluation

- Support project assurance functions in development of a project specific assurance plan that integrates into the NPD&LR project plan.
- Support ongoing 2007 Internal Audit of NPD&LR.

NCR's Initiated in July 2007

- No NCR's were initiated in July.

Engineering – Garry Miller

CONFIDENTIAL

Safety

- No injuries or safety issues have occurred or been identified at the Levy site. No field activities are occurring at the Harris site.

AP 1000 Design

- The Appendix I control room dose issue that appeared to affect the majority of AP1000 sites (either control room dose or EAB distance) is under resolution. DCD revision 16 changes have been issued to address this fleet issue.
- AP1000 physical changes have been identified by DCD revision 16 to deal with security tactical needs, increased radioactive wastewater hold-up capacity, increased office space needs, and relocation of the MG sets, and control room layout changes. The effect of the changes is that the AP1000 Radwaste building, Annex building, and Turbine building were all physically extended.

Site Engineering/Layout

Levy

- Geotechnical field activities continue at Levy, but are nearing completion by mid July 2007. The final location of AP1000 power plant islands has been confirmed based on acceptable boring results under the footprint of the plant. Wetland exemption was received from Army Corps of Engineering to permit boring in the affected wetlands.
- FL DEP has granted permission to perform borings at the proposed intake location on the barge canal. This will occur beginning the week of June 25th.
- Phase 1A Work Authorization (WA) for Shaw Stone &Webster has been authorized and work has been initiated. Conceptual engineering on the overall site layout and excavation/backfill approach are in progress.
- Conceptual site engineering for make-up/blowdown conveyances and heavy load path affected by land issues (both private and State of Florida) are in progress.

REDACTED

CONFIDENTIAL

Land

- Progress Energy exercised its right to extend contingency period and made the 3rd due diligence earnest money deposit before May 17th (by wire transfer). Remaining dates are as follows:
  - 2nd Earnest Money Deposit (+90 days) – Feb 16th **(complete)**
  - 3rd Earnest Money Deposit (+180 days) – May 17th **(complete)**
  - Contingency Period Ends (+270 days) – Aug 15th
  - Closing (+300 days) – Sept 14th
- Hunting privileges have been cancelled.
- Survey activities have been completed by Heidt Assoc.
- The identification of a permanent easement for timber management access to the adjacent eastern property is in progress. This is needed to close on the property.
- Negotiations continue with adjacent property owners on potential corridors and right-of-ways.

Organization Staffing

- Current vacancies include:
  - Sr Engr (Instrument &Controls) - Job posted and recruitment is in progress
  - Sr Engr (Electrical) - Job posted and recruitment is in progress
  - Sr Engr (Procurement)
  - Sr Tech Support Spec (Construction Planning)
- Discussions are ongoing associated with re-targeting the vacant positions
- On-going contracted support by Enercon (Jim Nevill)

Challenges

- Continued industry resolution of seismic hi-frequency exceedances
- Non-uniformity of drilling in results at Levy could require additional borings (potential scope increase). This issue is currently under discussion with WEC.
- Land negotiations and associated affect on site engineering decisions

Self Evaluation

- PGN audit of JVT field activities at Levy site occurred during the week of March 19th with no significant findings
- NRC audit of Levy site field activities occurred during the week of March 26th & 27th with no significant findings.

CONFIDENTIAL

Licensing – Bob Kitchen

License Renewal

REDACTED

COLA

REDACTED

- **Levy**
  - COLA submittal date is 8/28/08.
    - Must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits
  - NRC Pre-Application visit completed 8/19/07.
  - Expect that LWA will be desired to support soil remediation (backfill) and other construction activities prior to COL.

- **NuStart**
  - Reference plant COLA submittal scheduled for 10/31/07
  - Developing process for configuration control/change management of DCD/COLA

Regulatory Actions

[1] CONFIDENTIAL

- Emergency Preparedness
  - TSC – COLA will be developed based on current DCD design
- Part 52 expected to be issued in August (RG 1.206 has been issued)
  - Aircraft crash to remain as beyond design basis

Organization Staffing

- Fully Staffed
- Transition plan being developed for License Renewal

Challenges

1. Offsite electrical power licensing requirements for passive plants not resolved. Westinghouse escalated to NRC management
2. Site specific ITAAC to address soil remediation will be required by NRC
3. LNP COLA date is currently 8/28/08. Need to review schedule logic with JVT and try to improve

Self Evaluation

- QA assessment
  - CH2MHILL QA
    - JVT/CH2 self assessment in August
    - Progress Energy & Constellation joint follow-up assessment planned week of September 9

REDACTED

- Reviews planned for COLA development
  - Peer reviews of Emergency Plan, Security Plan and Environmental
  - COLA review includes technical, licensing and administrative review
  - Integrated review includes Corporate Reg Affairs, QA and NPD
  - Final review will incorporate any required changes from the NRC sufficiency review of the Reference COLA

CONFIDENTIAL

NPD Quality Assurance Activities

CH2M Hill Stop Work Recovery Plan

- Progress Energy Audit of CH2M Hill conducted – March 5 -8, 2007
- Stop Work Order verbally issued by audit team - March 8, 2007
- Stop work Order issued in writing – March 12, 2007
- Stop work Order Lifted by PE – May 1, 2007
  - Stop work lifted based on PE's review and acceptance of CH2M Hill recovery Plan and Corrective actions including revisions to: Corporate QA Manual; QA Implementing Procedures; Project Quality Plan; Project Instructions; and retraining of Project personnel.
- CH2M Hill Compensatory Measures documented in rev. 1 of Recovery Plan were:

Redacted

NRC QA Audit

- Tentatively scheduled for week of July 16-20, 2007
- Based on audit results at South Texas, NRC issued 4 questions to potential COL applicants to determine readiness for conduct of audit.
- PE / JVT supplied responses to NRC questions on June 13, 2007.
- NRC Audit of NUSTART – Bellefonte being changed from June 25-29 to July 31- August 3, 2007.
- Once details are determined from NRC, resource and planning meetings with JVT will be conducted.

Nuclear Plant Development QA Plan

CONFIDENTIAL

- Quality Assurance Plan for Nuclear Plant Development and Construction Activities will be contained in NGG Program Manual approved by Scotty Hinnant.
- NGGM-PM-0030, Quality Assurance Plan for New Nuclear Plant Development and Construction Activities, Revision 0 issued and effective June 25, 2007.
- NGGM-PM-0030 formally documents existing business philosophy to use existing NGGC procedures and processes to implement Appendix B for new plant activities.

Upcoming QA Audit Activities

- Vendor Audit Plans being developed to support:
  - Re-Audit of CH2M Hill – Early August 2007
  - Audit of Worley Parsons - Late August 2007
  - Audit of Sargent and Lundy - Mid September 2007
- PES Audit of NPD – November 5 – 9, 2007

Attachment 1

[1] CONFIDENTIAL

NPD Annunciator Panel

As of 5/31/07

JVT Earned Value Metrics

Cost Performance Index (CPI)	PEC Schedule Performance Index (SPI)

Project Cost Performance

***In future years, indicators will reflect cost comparisons to both Authorized and to Budget. Currently applying concept that if the costs are UNDER then the indicator is green regardless of how large the variance. This is different than described in proposed KPI table.*

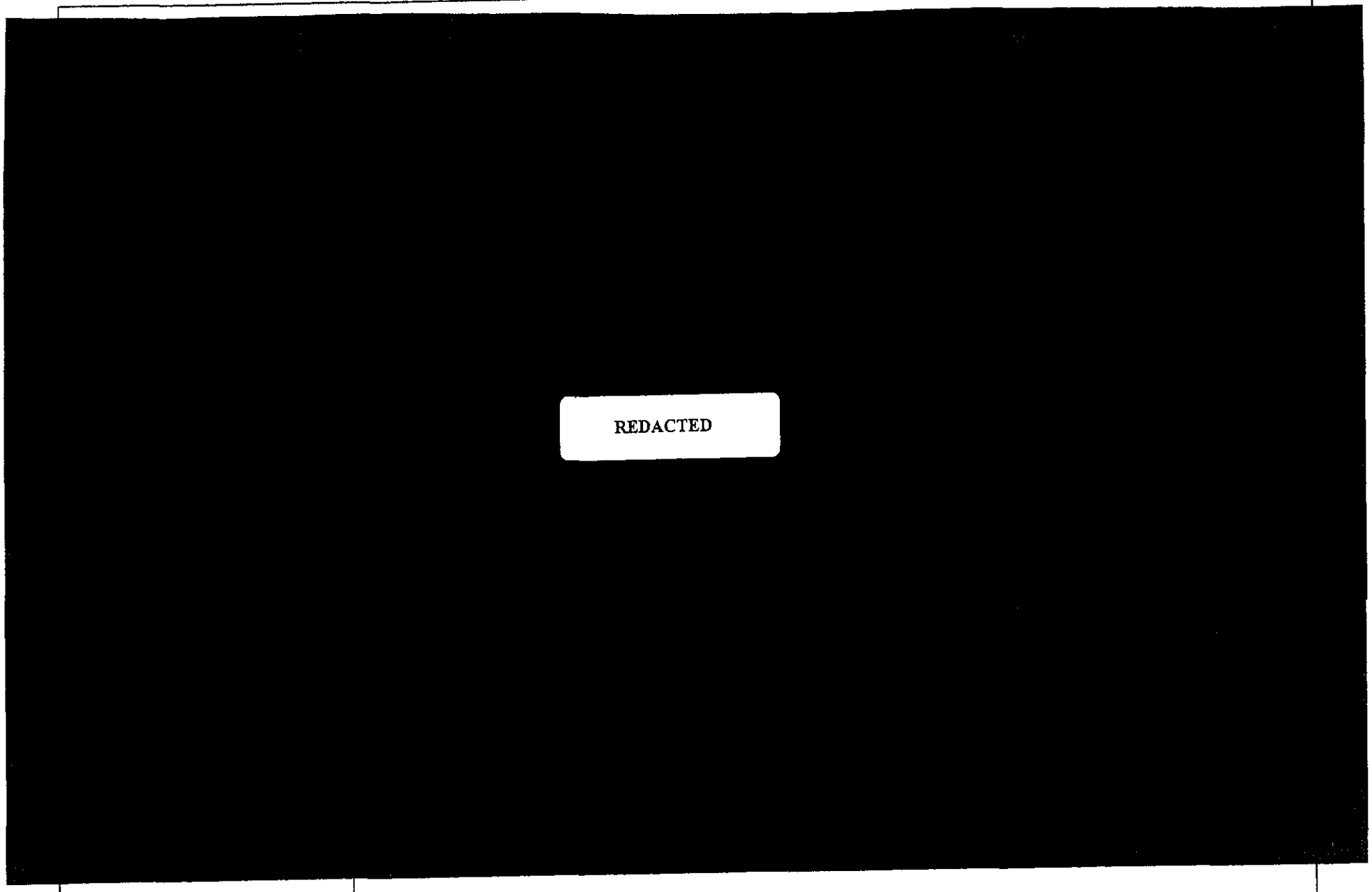
YTD Authorized** vs YTD Actual Cost	Yr End Authorized** vs Year End Projection
COLA BAP Phase Authorized** vs Phase End Projection	COLA BAP Total Authorized** vs Projected COLA BAP

Integrated Schedule Adherence

Major Milestone Achievement

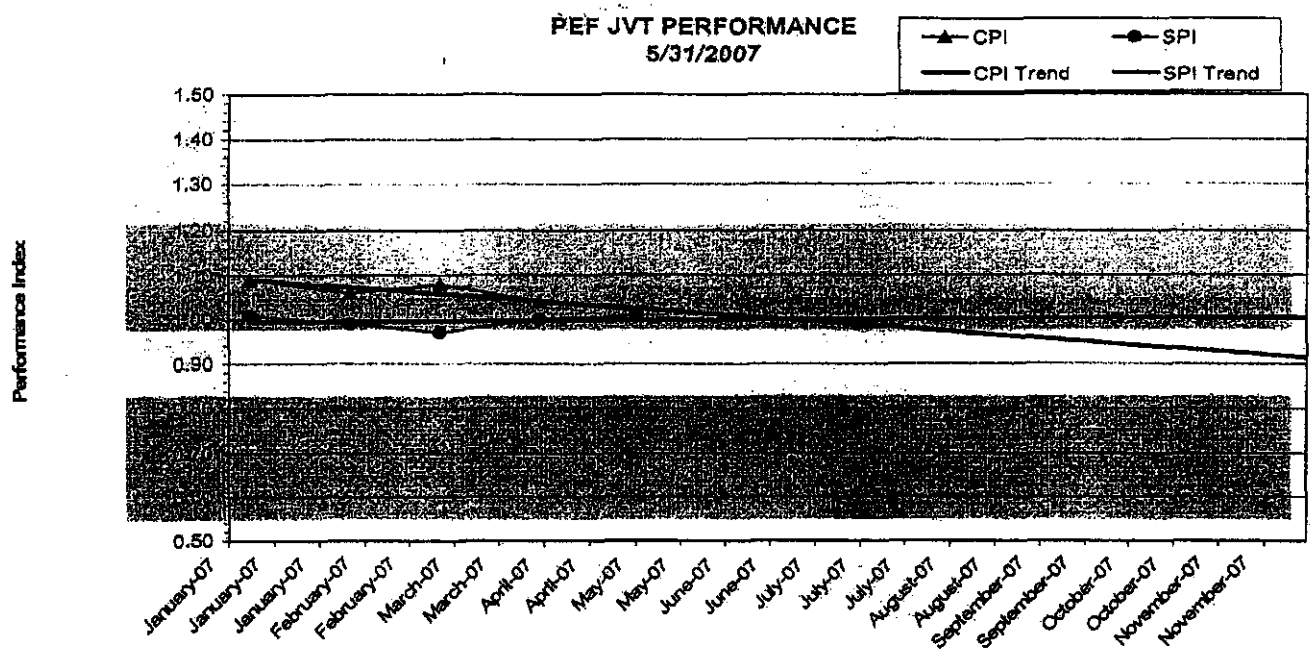
On Target | In Jeopardy | Off Target | Not Statused

Att achment 1


REDACTED

CONFIDENTIAL

Attachment



	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
CPI	1.09	1.08	1.08	1.04	1.02																			
SPI	1.01	0.99	0.97	1.00	1.01																			

New Plant Development and License Renewal
Project Monthly Status Report

July 2007

CONFIDENTIAL

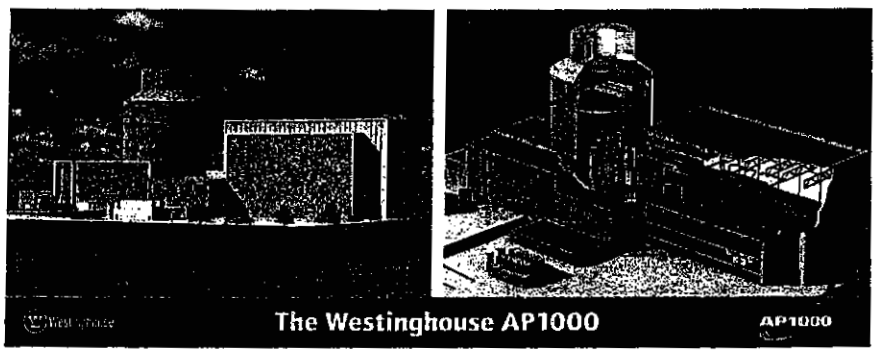
CONFIDENTIAL

New Nuclear Plant Development

AP1000

Monthly Project Review

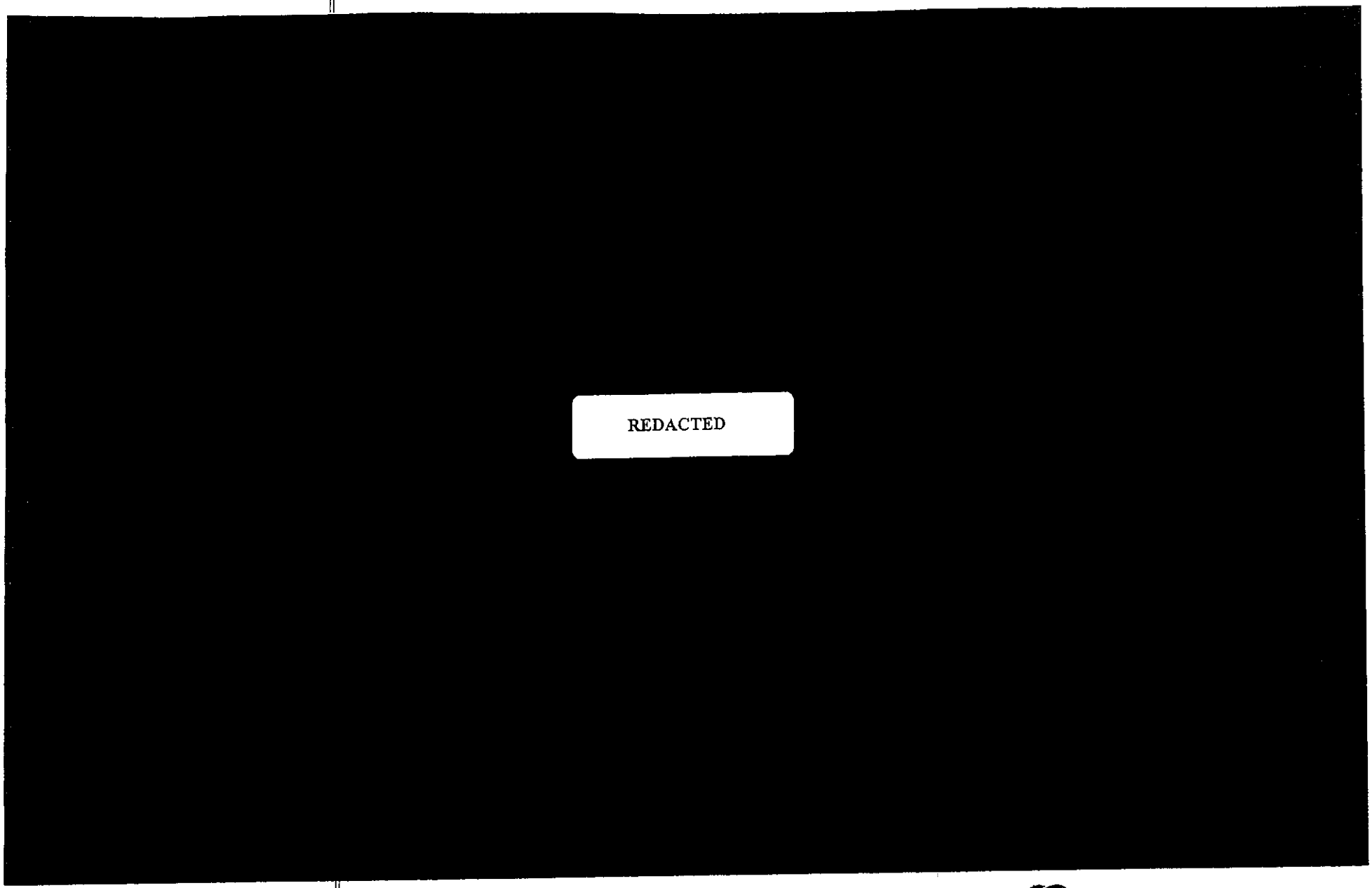
Jan 22nd, 2007



Progress Energy

Agenda

- NPD Budget Performance
  - JVT PEC / Common COLA
  - JVT PEF COLA
  - JVT Potential Scope Additions / Deletions
  - Overall Project Performance Metrics
- On-going Contract Negotiations
- 2007 – 2008 Capital Budget Issues
- Integrated Schedule
- Review of Identified Risk Items
- Organization / Personnel Status
- Open Project Issues



Progress Energy

REDACTED

REDACTED

REDACTED

NPD Budget Performance

CONFIDENTIAL

JVT PEF CWOs (thru 12/06)

Interim Approved Budget	$	[redacted]
• Budget Revisions Approved	$	[redacted]
• Current Approved Budget	$	[redacted]
• Amount Invoiced	$	[redacted] Redacted
• Remaining Approved Budget	$	[redacted]
• Amount Received by JVT	$	[redacted]

Task Scoping Documents received for all CWO's except #2, #3, and #11. Impact Evaluation # 33. related to Site Investigations is currently being evaluated Redacted approved under CWO # 13 to begin this work. Once approved, WA Amendment to be completed to incorporate these approved changes.

Progress Energy

CONFIDENTIAL

NPD Budget Performance

PEF Scope Additions – Potential / Pending

- Karst investigations
- Conceptual design of raw water systems
- Environmental impact assessment of fresh water, barge canal makeup & blowdown discharge construction and operations
- Conceptual design of aux. systems not in DCD scope
- Conceptual design road, & rail access to the site
- Conceptual design of site drainage & grading
- Alternate approach to compensate for late Met Tower completion
- Validation Package & Cost Escalation for work to be performed in 2007 -2007 (IE #27)

NPD KPI Performance
JVT EV, Project Cost & Schedule Performance

CONFIDENTIAL

NPD Annunciator Panel
As of 12/31/06

JVT Earned Value Metrics

**PEF metrics can not yet be determined.*

Project Cost Performance

***In future years, indicators will reflect cost comparisons to both Authorized and to Budget.*

Currently applying concept that if the costs are UNDER then the indicator is green regardless of how large the variance. Yellow KPI indicates updated land cost for Levy site. BAP Revision required.

Integrated Schedule Adherence

CPI	PEF*
Cost Performance Index (CPI)	

SPI	PEF*
Schedule Performance Index (SPI)	

YTD Authorized** vs YTD Actual Cost

Yr End Authorized** vs Year End Projection

COLA BAP Phase Authorized** vs Phase End Projection

COLA BAP Total Authorized** vs Projected COLA BAP

Major Milestone Achievement

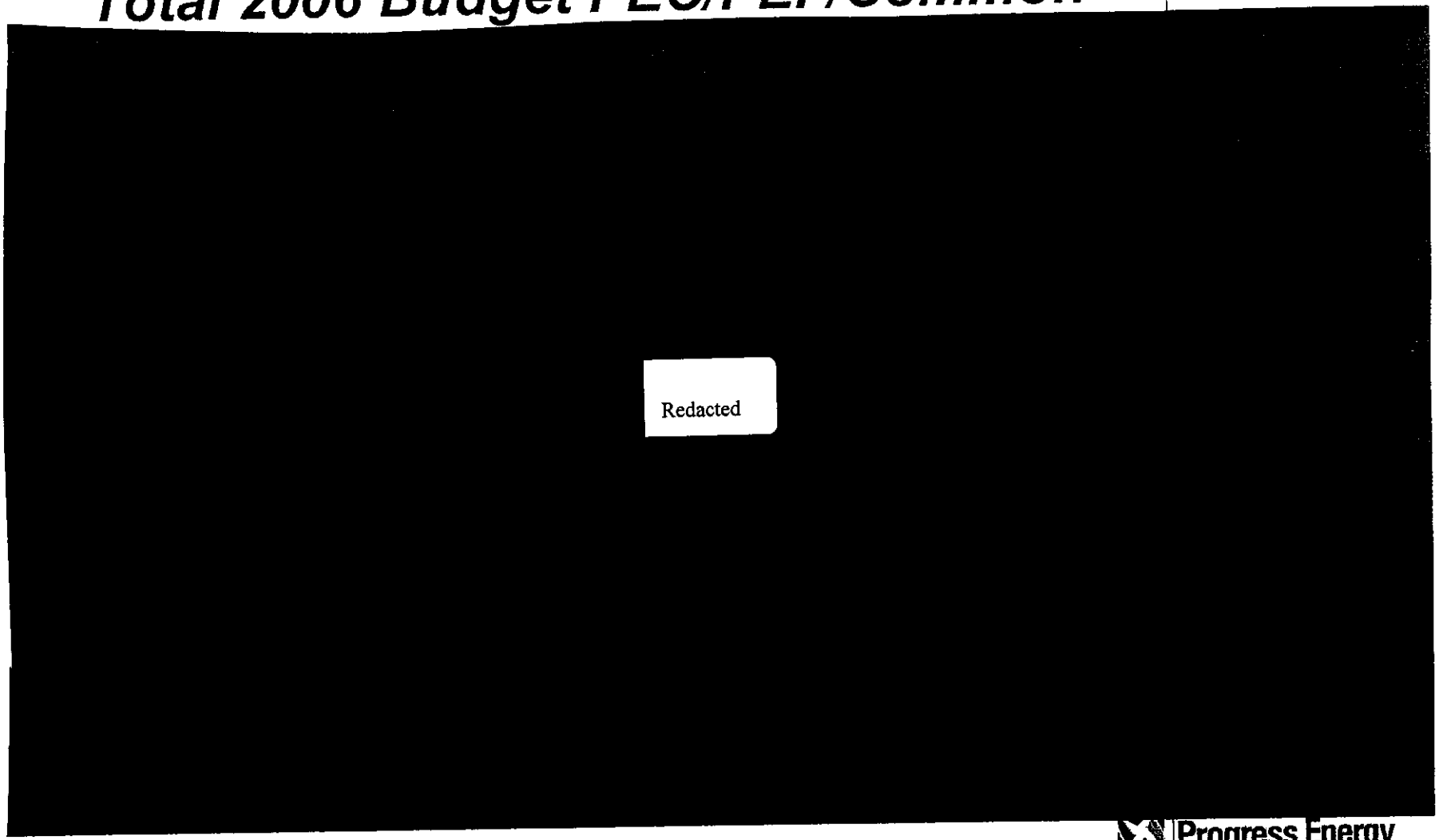
On Target | In Jeopardy | Off Target | Not Statused

Progress Energy

NPD Budget Performance

CONFIDENTIAL

Total 2006 Budget PEC/PEF/Common



Progress Energy

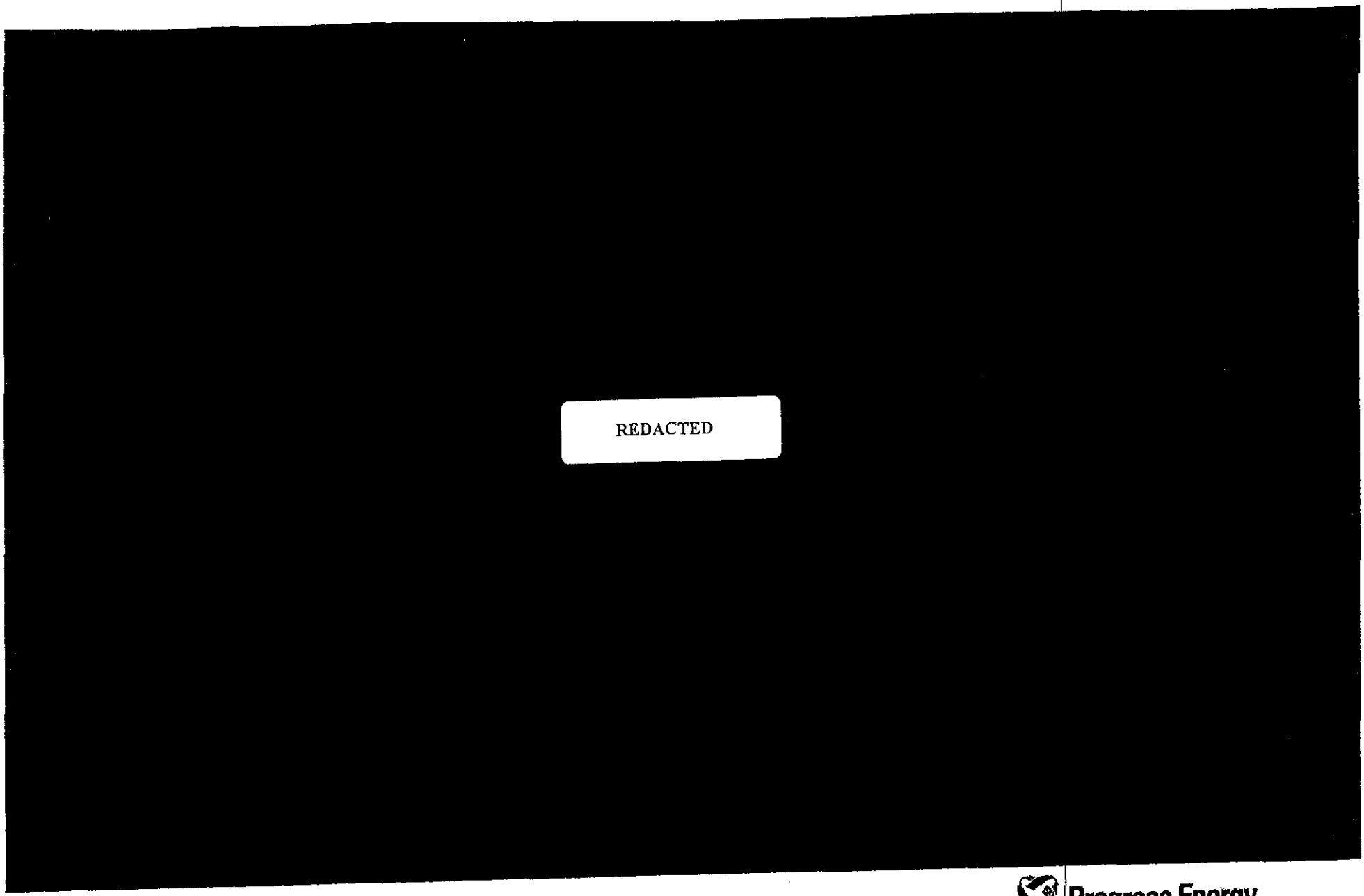
NPD Budget Performance

CONFIDENTIAL

Overall Project (in $ M)

Category	[illegible]	[illegible]	[illegible]
Land	Redacted	Redacted	Redacted
JVT COLA			
West & SS&W			
Siting / other			
Legal			
Labor			
Total			

Progress Energy


REDACTED

REDACTED

Progress Energy

CONFIDENTIAL

NPD Capital Budget

2007 - 2008 Capital Budget Issue (REDACTED & PEF)

- 2007 Capital Budget Request $ [redacted]
- 2007 Financial Planning Assumption $ [redacted]
  - Based on *"shifted"* 90-Day SRT results (which preceded WEC request for '07 Project Infrastructure / Long Lead Equipment support)
  - Assumes $ [redacted] for land
- 2007 Capital Shortfall $ [redacted]

- Same problem exists in 2008 and beyond…

NPD Capital Budget

2007 - 2008 Capital Budget - Impact

CONFIDENTIAL

- Current Financial Planning 2007 budget **DOES NOT** support land acquisition and COLA development in 2007
  - $ 72M budget assumption
- **NO** funding for Long Lead Equipment Procurement, Project Infrastructure, or Owner/Engineer support
  - Long Lead Equipment ~ $ [redacted]
  - Project Infrastructure (W / SS&W) ~ $ [redacted]
  - Owner / Engineer Services ~ $ [redacted]

Redacted

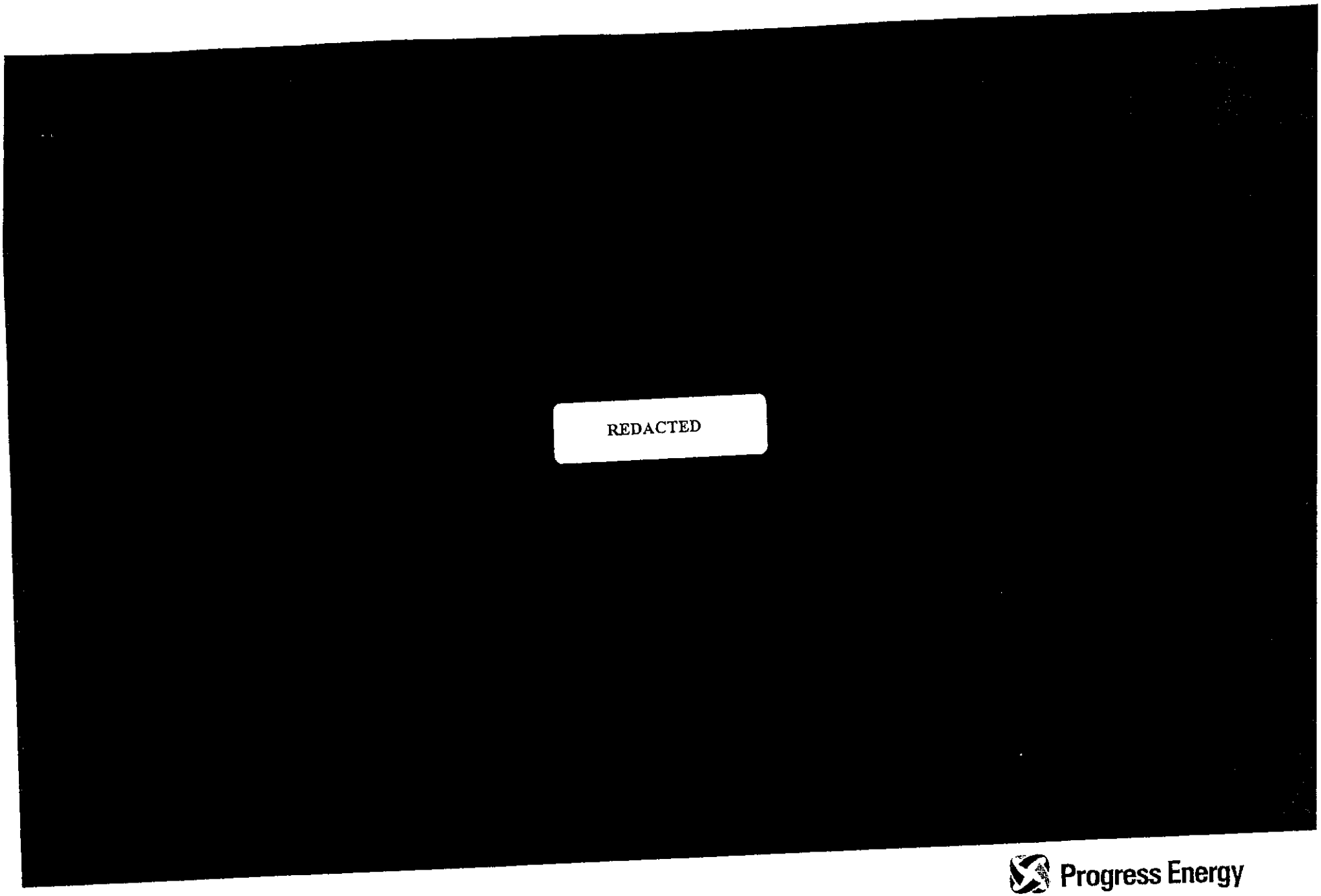
Progress Energy

NPD Project Schedule

CONFIDENTIAL

Integrated Schedule

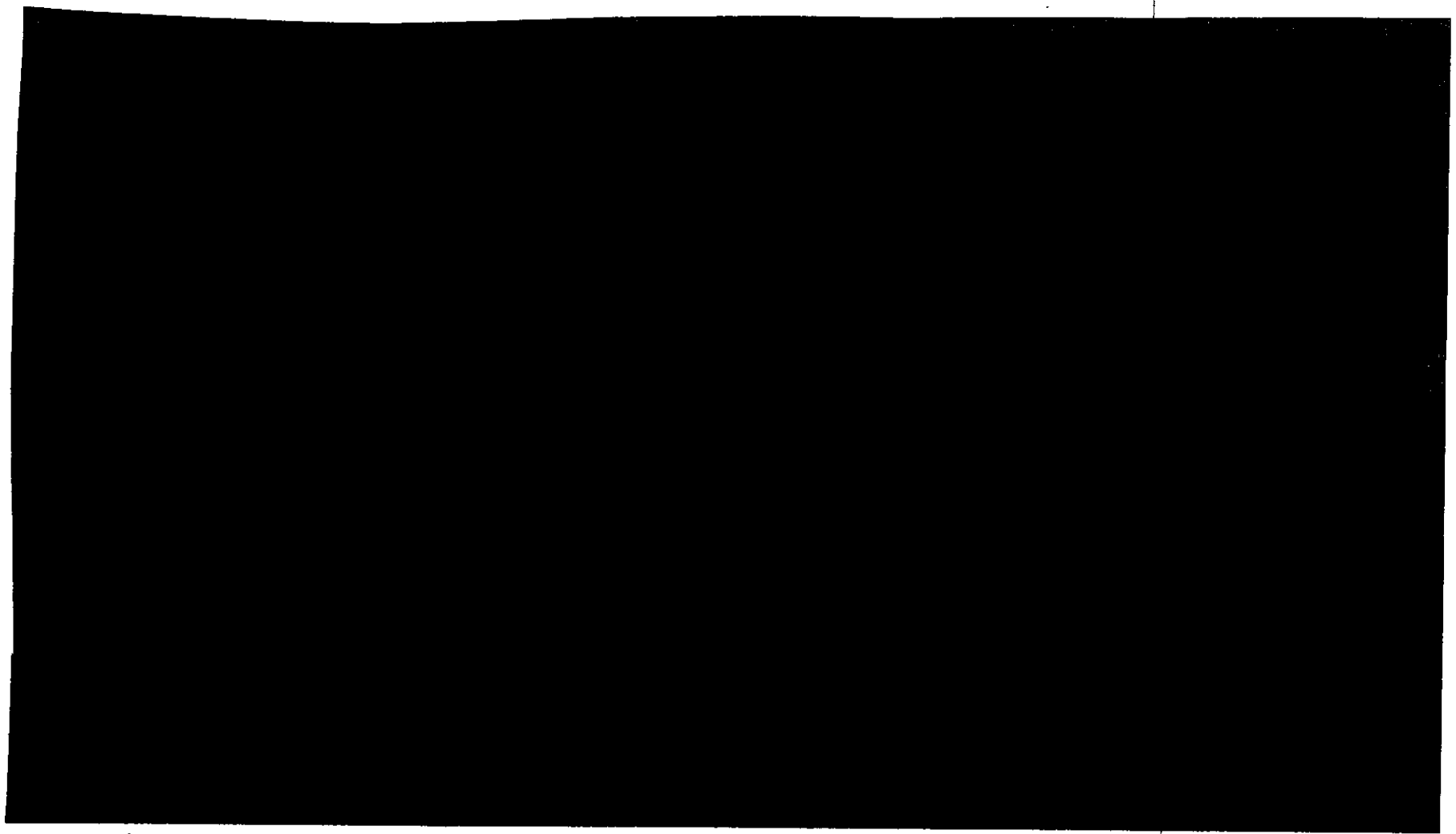
- Integrated high level master plan developed – consistent with the company's resource plan recommendation. Currently incorporating Transmission activities
- Draft Florida COLA schedule was reviewed and JVT incorporating PGN comments
- Next steps
  - Analysis & reporting against COLA & NuStart schedules
  - Developing a resource loaded schedule to support work requirements of both COLAs & construction planning activities



Progress Energy

PEF Integrated Schedule

CONFIDENTIAL



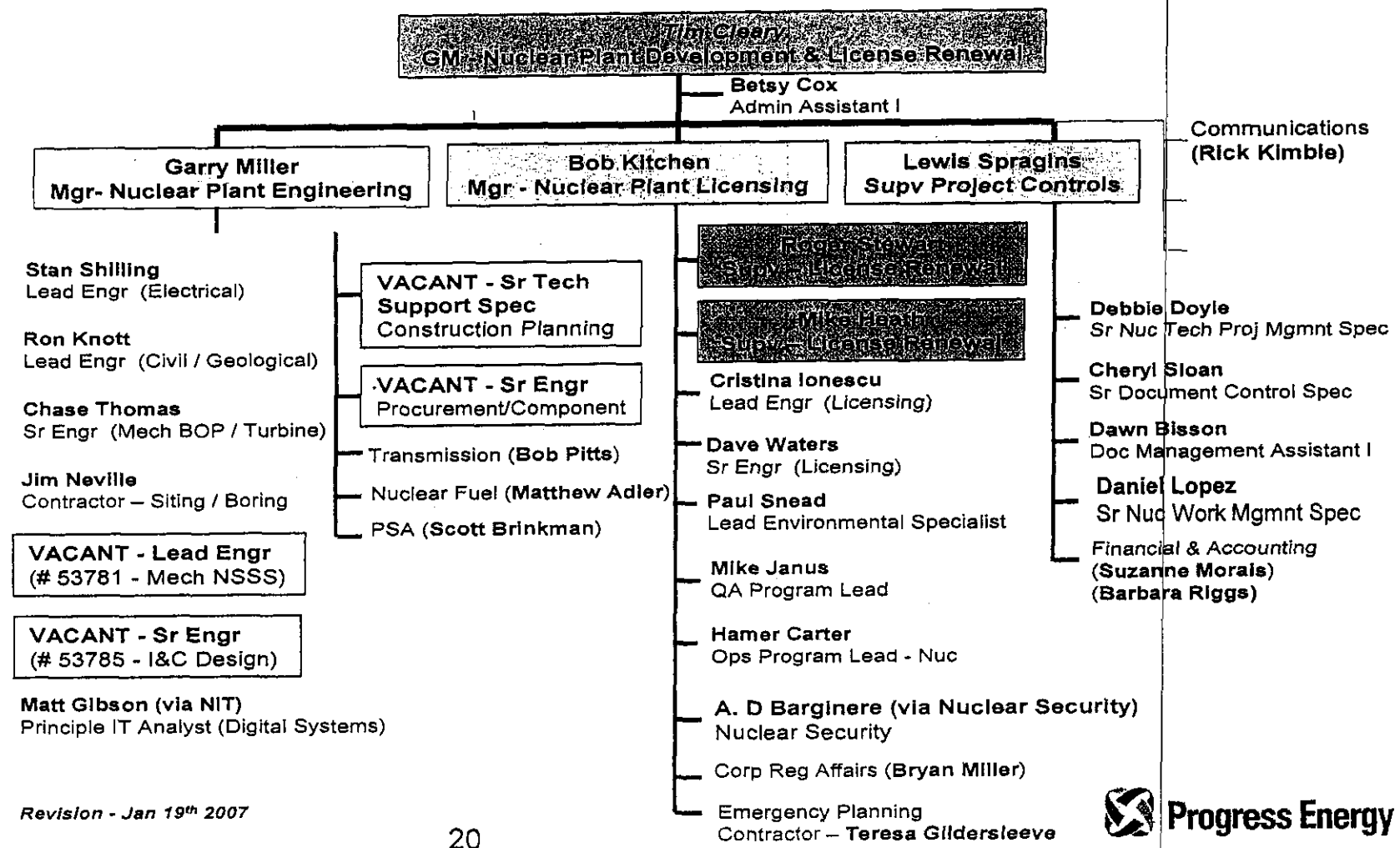
Page 1 of 1

Progress Energy

Project Risk Management

- Current Identified High Risk Items
  - New Security regulations may affect plant design, security strategy, & security plan. Security Assessment Guidelines will impact the security plan and drive a security plan revisions
  - Continuing delays of completion of the DG-1145 sections may impact COLA schedule
  - New requirements in NRC rules or processes may require last minute changes to designs or COLAs that delay submittal

Nuclear Plant Development & Licensing Renewal



Revision - Jan 19th 2007

Progress Energy

Open Project Issues

- 2007 - 2009 Capital funding shortfalls
  - Not supporting WEC project infrastructure for supply chain
  - Not starting site detailed design and construction planning
  - Not developing training and procedures as our peers
  - Not securing long lead equipment
  - Issues developing both internally and with WEC and NRC on the communication of COD dates for REDACTED and PEF

Open Project Issues (continued)

- Regulatory Instability and Resolution
  - Part 52 , DG 1145 and SRPs final versions
  - Security and Seismic PSHA
- Florida Site Environmental Permitting
- NuStart (Enercon) execution and product quality
- REDACTED

CONFIDENTIAL

New Plant Development and Licensing Renewal

April 2007 Monthly Status Report

Issued:
April 23, 2007

General Manager NPD&LR: Timothy P. Cleary

Progress Energy
People. Performance. Excellence.

NGG

Progress Energy Business Proprietary and Confidential

CONFIDENTIAL

Executive Summary:

- Safety –
  - Sonic drilling soil samples developed severe mold and poses a health hazard. The samples were already photographed and characterized and no longer need to be stored. A Condition Report was issued to discard these soil samples in the safest manner possible.
  - CH2M Hill employee was involved in an auto accident traveling to the Levy site (not on site). Employee has recovered and returned to work.
  - Shaw reported zero recordable, lost time, and first aid for 2095 hors worked during the reporting period.

Redacted

- Cost – Combined Construction and Operating License Application (COLA) project is [redacted] under budget through April. Key drivers are timing of Joint Venture Team (JVT), Shaw Phase 1A work, and land purchase. A revision to the COLA Business Analysis Package will be completed after land requirements are determined. Rayonier site purchase is on target for August 2007.

- Schedule –

REDACTED

  - LNP -The project is 25% complete. Drilling is 65% complete, but 1800' behind schedule. Additional drill has been mobilized to make up schedule. The current COLA submittal date schedule for Levy Nuclear Plant is August 29, 2008. Joint Venture Team is implementing a plan to improve the COLA submittal date to 7/31/08 and will submit an impact evaluation for this scope. COLA must be filed with the NRC by 12/31/08 to be eligible for Production Tax Credits.

- Engineering Procurement Construction (EPC) – EPC negotiations with Westinghouse were held April 16th and April 17th in Raleigh, N.C.

- Key Issues to Finalize:
  - Progress Energy issued a stop work on product deliverables from CH2M Hill as a result of an audit conducted during the week of March 5th. CH2M Hill has transmitted their recovery plan and interim compensatory measures to Progress Energy for acceptance. Target date for recommencement of work is 5/3/07.

CONFIDENTIAL

Project Controls – Lewis Spragins

Budget

Year to date budget for NPD COLA is favorable due to timing of Phase 1A work ( ), JVT ( ) and Land is favorable. Year to date budget for NPD LR

Redacted

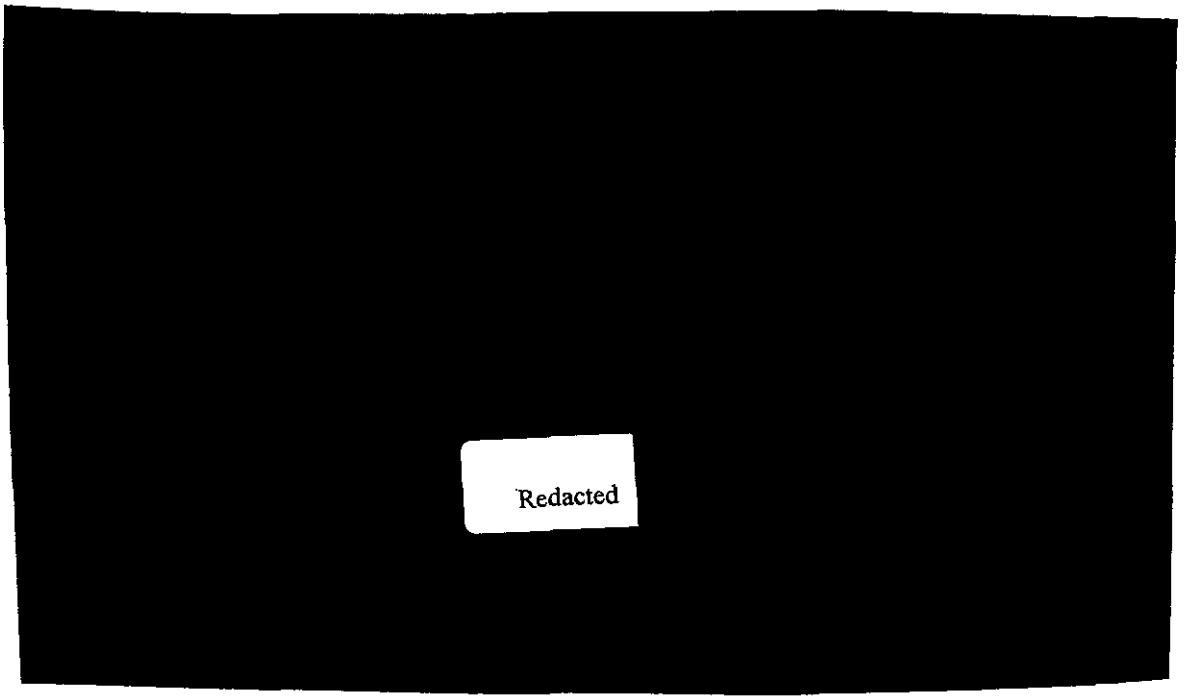
REDACTED

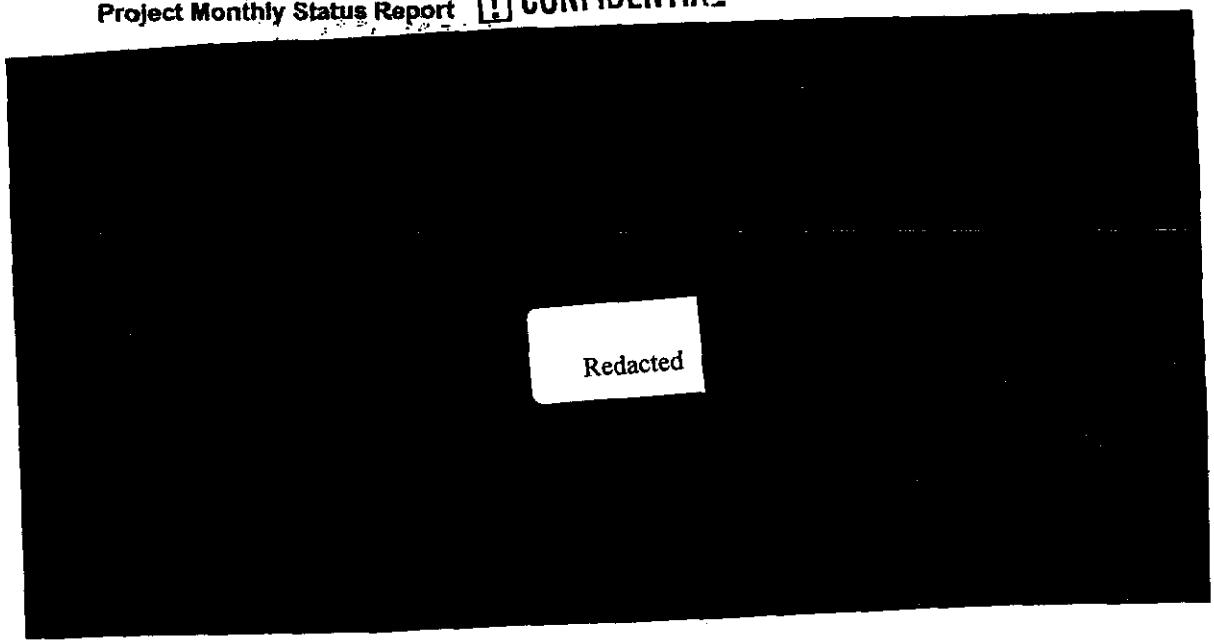
REDACTED

Project	2007 Annual Budget	2007 YE Projection	2007 YTD Actual	Project to Date Spend	Total Project Cost	Total Project Cost Status
COLA – PEF						Yellow

Redacted

REDACTED





Contracts ($100k and over)

Progress Energy Florida (PEF):

Vendor	Committed	Spent	Remaining
Enercon (Nevill)	Redacted	Redacted	Redacted
Joint Venture Team (COLA)			
Rayonier Site (Land)			
Sargent & Lundy (Estimating)			
Shaw Stone and Webster Ph 1A Quickstart			

REDACTED

• Contract charts to be developed once monthly cash flow update process is finalized with Joint Venture Team in May. This will be applied to other major contracts going forward.

Project Control/Monitoring

CONFIDENTIAL

- **Schedule & Cost**

REDACTED

- Progress Energy Florida:
  - Overall COLA project is 33% complete including field work. The SPI and CPI is 1.00 & 1.04 respectively. The overall project is on schedule, but field work has been impacted by heavy rains, poor drainage conditions, and some mechanical problems. Approximately 11,425' of soil drilling and rock coring was completed through April verses a plan of approximately 13,223'. Remediation to improve drilling equipment access to the boring location is being implemented. Additional rigs are being mobilized to makeup the schedule. An impact evaluation is being submitted for scope to change that will implement shorter task durations and schedule logic changes. These changes will improve the target COLA submittal date from 8/29/28 to 7/31/08. Project schedule conversion from MS Project to P3v5 is complete and improved reporting is included with the April JVT Monthly Report.
  - Shaw Quick Start work on Tasks 1-5 and 9 will conclude within the schedule approved per the work authorization. Current Shaw projections show that the work will be completed for less than the $528k in the approved WA. This is primarily due to efficiencies gained from preceding project experience.

- **Project Change Control**

A revision to the Business Analysis Package approved for COLA Development will be completed after negotiations for Lybass property are finalized. Preparations are continuing to seek approval to proceed with a new phase of the project related to procurement activities for site specific work not related to COLA.

REDACTED

- Progress Energy Florida – There are no pending impact evaluations. WA Revision to incorporate approved impact evaluations is in progress.

REDACTED

- Progress Energy Florida Potential Scope Changes
  - Conceptual Design of Raw Water System (fresh water, makeup, & blow down).
  - Conceptual Design of rail access to the site.
  - Conceptual Design of site drainage and grading.
  - Conceptual Design of Auxiliary Systems not in DCD scope.
  - Support to prepare Site Certification and federal permit Applications.
  - NRC concern on solution cavities located deep underground requires additional investigation.
  - Approach to accelerate COLA submittal to 7/31/2008 (FSAR Sections 2.3 & 2.5, Chapter 11, and ER Ch. 5 affected).
  - Additional deep holes (500') required for SSE development.
  - Baseline aquatic sampling plan for use of Barge Canal for CWS Makeup.

Organization Staffing

- Project Controls – Fully staffed. No updates to report for April.

Current Risk Management Items Identified as High Risk

The NPD Risk Database is complete, and in production. The Risk Process Document has been approved by Tim Cleary. Identified risk items are entered into the risk database and NPD Management will complete an initial risk review of these items on May 14th.
Identified high risk items are as follows:

- New security regulations may affect the plant design, security strategy, and the overall security plan. Security Assessment Guidelines, which are due by the NRC on February 17, 2007, will affect the Security Plan and may necessitate Plan revision.
- Continuing delays of completion of the DG-1145 sections could have impact on schedule if final regulatory guide is issued just before 6 month cutoff before docketing of the COL application. The potential exists that the revised SRP acceptance criteria and the guidance of associated section of DG-1145 will not be consistent.
- Impacts on the transmission system from new nuclear may be either positive or negative, depending on perspective. Additional lines at existing nuclear facilities provide grid stability and LOSP redundancy. These same lines may be viewed negatively due to environmental issues associated with routing, aesthetic concerns, land use. Line construction may also provide better access to strategic loads.
- Public interactions with NRC may delay COL issuance.
- Total plant cost; including vendor and owner supplied scopes, site specific logistic and cost support, staffing, and project execution risk.
- Ability of NuStart, its vendors, and utilities to deliver the reference plant COLA deliverables to support PGN schedule.
- Increasing global demand for new reactors will challenge the capacity of suppliers to meet the manufacturing demand. (This is is from a 1/13/2006 presentation to mgmt as part of RX technology evaluation.)
-

REDACTED

Note: These items above have been reviewed and validated by Garry Miller

Challenges

- The most important challenge for Project Controls will be implementing the processes for the major project controls functions.
- Implement plan to support electronic submittal and Administrative Review of COLA.

CONFIDENTIAL

Self Evaluation

- Support completion of the self assessment of NPD&LR Governance and Controls effectiveness. Final Management debrief scheduled for 5/21/07. NCRs to be initiated on documenting the Self Assessment Deficiencies and Recommendations on 5/22/07:
- Support prudence assurance functions in development of a project specific assurance plan that integrates into the NPD&LR project plan.
- Support ongoing 2007 Internal Audit of NPD&LR.
- Support assessment of Florida Nuclear Plant Construction Project Controls processes.

NCR's Initiated in April 2008

- 230325 - A Progress Energy contractor working on the Nuclear Plant Development Combined Operating License Application (COLA) inappropriately participated in the development of information that they would subsequently be required to review.

Engineering – Garry Miller

Safety

- .

AP 1000 Design

- Dealing with Appendix I control room dose issue that appears to affect the majority of AP1000 sites. Westinghouse has asked for Worley support.
- Ongoing AP1000 Builders Group Actions on
  - TSC Location (PGN will use location described in DCD)
  - Fast bus transfer options on loss of main transformers
  - TOSHIBA turbine/generator option
- AP1000 security physical enhancements
- Department of Energy funding issue for Westinghouse design finalization (via NuStart)

Site Engineering/Layout

Levy

- Geotechnical field activities continue – final location of power plant islands still subject to change based on results. Westinghouse and Shaw Stone & Webster prefer parallel orientation. Waiting on Army Corps of Engineering to approve wetlands exemption.
- Phase 1A Work Authorization (WA) for Shaw Stone &Webster in final PGN routing with work to start shortly (refer to WA task plans for details)
- Preliminary heat rejection analysis in– suggests mechanical towers is best option for "hottest year", "average year", "over 40 years", and also "over 60 years". Report will be finalized and is an input to the Levy site layout.
- Final site engineering for make-up/blowdown conveyances and heavy load path affected by land issues (both private and State of Florida)

REDACTED

Land

- Progress Energy exercised its right to extend contingency period and made the 2nd due diligence earnest money deposit on Feb 14th (by wire transfer). Remaining dates are as follows:
  - 2nd Earnest Money Deposit (+90 days) – Feb 16th

[!] CONFIDENTIAL

- 3rd Earnest Money Deposit (+180 days) – May 17th
- Contingency Period Ends (+270 days) – Aug 15th
- Closing (+300 days) – Sept 14th

- Hunting privileges have been cancelled
- Survey activities continue by Heidt Assoc. Contract requires completion by April 30th. Noted issue with existing Highway 19 road access.
- Negotiations continue with Lybass on potential corridors and right-of-ways.

Organization Staffing

- Current vacancies include:
  - Lead Engr (Mechanical NSSS)
  - Sr Engr (Instrument &Controls)
  - Sr Engr (Procurement)
  - Sr Tech Support Spec (Construction Planning)
- Need to consider re-structuring positions and then post
- On-going contracted support by Enercon (Jim Nevill)

Challenges

- Negotiations with Shaw Stone and Webster to develop the initial Work Authorization for Phase 1A work
- Continued industry resolution of seismic hi-frequency exceedances
- Potential late security retro-fits to AP1000 design
- Non-uniformity of drilling in results at Levy could require additional borings (potential scope increase)
- Wetlands protection from drilling activities required at Levy (scope increase)
- Land negotiations and associated affect on site engineering decisions

Self Evaluation

- Quality issue with Levy Geotechnical Work Plan wetlands delineation and Aquifer Plan monitoring wells delineation – both documents were corrected and revisions issued.
- Audit by PGN planned week of Feb 19th at JVT in Chicago
- Audit of JVT field activities at Levy site planned for week of Mar 19th
- NRC audit of Levy site field activities planned for March 26th & 27th

CONFIDENTIAL

Licensing – Bob Kitchen

License Renewal

REDACTED

REDACTED

COLA

REDACTED

- Levy
  - COLA submittal date is 8/28/08.
    - Must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits
  - Public meeting with NRC targeted for June 2007
    - Need to be able to announce technology selection
    - Be prepared to discuss Harris Nuclear Plant schedule
  - NRC Pre-Application visit planned for 8/19/07
- NuStart
  - DCD rev 16 to be submitted on 5/24/07
    - Deadline for design changes to be included is 3/31/07
    - Deadline for changes requiring Technical report is 5/1/07

Regulatory Actions

CONFIDENTIAL

- Emergency Preparedness
  - TSC – COLA will be developed based on current DCD design.
- Part 52 and RG 1.206 expected to be issued in July
  - Aircraft crash to remain as beyond design basis
- Access Authorization & FFD to be Issued by July 2008

Organization Staffing

- Fully Staffed
- Transition plan being developed for License Renewal

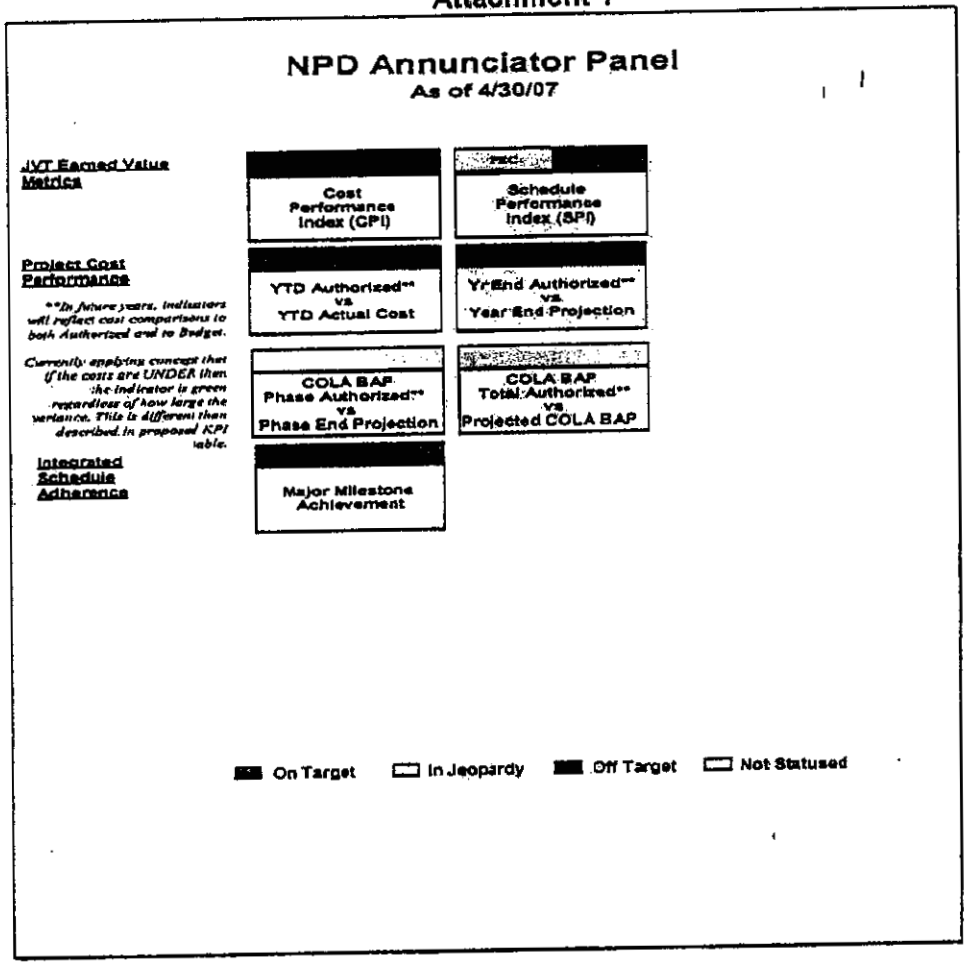
Challenges

1. REDACTED
2. LNP COLA date is currently 8/28/08. Need to review schedule logic with JVT and try to improve
3. Rev B completion – NuStart. We are using Rev B sections as soon as our comments are addressed. NuStart decision not to issue Rev B will impact our COLA schedule. Assessment in progress.
4. REDACTED

Self Evaluation

- QA assessment
  - CH2MHILL QA Hold released on 5/1/07
- Reviews planned for COLA development
  - Peer reviews of Emergency Plan, Security Plan and Environmental
  - COLA review includes technical, licensing and administrative review
  - Integrated review includes Corporate Reg Affairs and NPD

Attachment 1

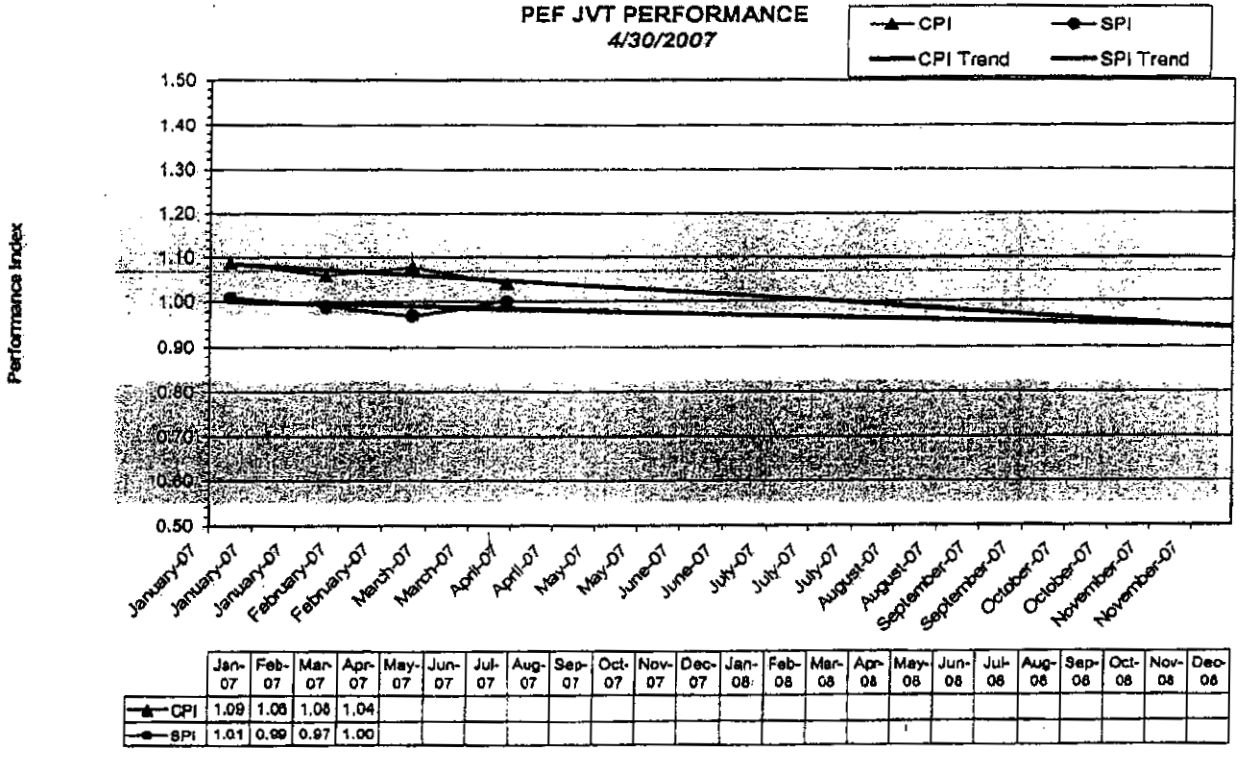


CONFIDENTIAL

REDACTED

Attachment 3

CONFIDENTIAL



	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
CPI	1.09	1.06	1.06	1.04																				
SPI	1.01	0.99	0.97	1.00																				

Cost Performance Index (CPI) – Performance relative to project cost. >1.0 indicates under budget
CPI Trend – predicted CPI based on trending of current cost performance
Schedule Performance Index (SPI) – Performance relative to project schedule. > 1.0 indicates ahead of schedule
SPI Trend – predicted SPI based on trending of current schedule performance

CONFIDENTIAL

Progress Energy

Nuclear Plant Development & License Renewal

Performance Report

August 2007

Progress Energy, Inc.
410 South Wilmington Street
Raleigh, North Carolina 27601

NGG Nuclear Generation Group

Submitted by

Supervisor Projects Controls _____

Approval

General Manager NPD&LR: _____

Table of Contents

1. Executive Summary 4
1.1. Safety 4
1.2. Cost 4
1.3. Schedule 4
1.4. Key Issues 5
1.5. Look Ahead 5
2. Project Performance Data and KPIs 6
2.1. KPI Summary 6
2.2. Cost Performance 6
2.3. Contract Status (exceeding $ 100k) 8
2.4. Schedule Performance 8
2.4.1. PEC COLA Development 8
2.4.2. PEF COLA Development 8
2.4.3. PEF SCA Development 9
2.4.4. PEF SS&W Phase 1A Conceptual Design/Planning 9
2.5. Scope Changes 9
2.5.1. Business Analysis Package (BAP) Changes 9
2.5.2. PEC Scope Changes Authorized 9
2.5.3. PEC Potential and/or Pending Scope Changes 9
2.5.4. PEF Authorized Scope Changes 10
2.5.5. PEF Potential and/or Pending Scope Changes 10
2.6. High Risk Issues 10
2.7. Organization & Staffing 10
2.7.1. Permanent Positions 10
2.7.2. Contract Staff 11
2.7.3. License Renewal Staffing Transition 11
3. Significant Project Decisions 11
3.1. HAR 11
3.2. LNP 11
4. Self-Evaluation results 12
4.1. Self Assessments and Audits 12
4.2. NPD Corrective Action Program (CAP) 12
4.3. NPD Benchmarking 12
4.4. NPD Quality Assurance Activities 12
4.4.1. CH2M Hill Recovery Plan 13
4.4.2. NPD Quality Assurance Plan 13
4.4.3. Planned COLA Reviews 13
5. Engineering Update 14
5.1. PEF Land Acquisition 14
5.2. PEF Field Activities 14
5.3. PEF Site Engineering 14
5.4. HAR Field Activities 14
5.5. HAR Site Engineering 15

5.6. AP1000 Design Activities 15
6. Licensing Update 15
6.1. Harris 15
6.2. Levy 15
6.3. Regulatory Update 15
7. License Renewal Update 16
7.1. HNP License Renewal Application Review 16
7.2. CR3 License Renewal Application Development 16
8. NuStart Development LLC Update 16
9. APOG LLC Update 16
10. Public and Media Interaction 16
11. Attachment I – NPD Annunciator Panel 17
12. Attachment II – JVT COL Development Performance 18
12.1. PEC COLA Performance 18
12.2. PEF COLA Performance 19

CONFIDENTIAL

1. Executive Summary

1.1. Safety

A CH2M Hill subcontract worker slipped backwards off of a drilling platform and bruised his back during deep hole drilling activities at the Levy Site. The worker has been cleared medically and has returned to work. Prosonic, the drilling sub-contractor, has completed corrective actions to modify the drill rig by installing a bigger platform and adding railings.

1.2. Cost

Redacted

Combined Construction and Operating License Application (COLA) project is under budget YTD through August. Key drivers are adjacent land ( ) which may be purchased later this year and timing differences for Shaw Stone & Webster Phase 1A work ( ). These under runs are partially offset by Joint Venture Team approved impact evaluations. A revision to the COLA Business Analysis Package was approved on September 12th to increase the authorized funding to account for increased land acquisition costs, acceleration of the Levy Site Certification Application process, and new FEMA fee requirements for all new plant license applicants. License Renewal is under budget YTD through August.

Redacted

REDACTED

1.3. Schedule

REDACTED

PEF Phase 1A Activities – The project is 48% complete and is currently 13 days behind schedule. This is primarily due to the site layout plan not being finalized until August 10th. The current Phase 1A completion date is now scheduled for October 25th. The overall schedule will be re-evaluated due to a redirection of resources to support Price Finalization cost estimate and schedule.

PEF Site Certification Application – The project is approximately 5% complete. A logically tied baseline schedule will be issued with the September monthly status report.

1.4. Key Issues

- Offsite electrical power licensing requirements for passive plants is not resolved. Westinghouse has escalated this issue to NRC management.
- Site specific ITAAC to address soil remediation will be required by the NRC.
- PEF COLA schedule predicts an August 22nd 2008 submittal date. JVT is implementing a plan to recover the schedule for all critical tasks to improve the targeted COLA submittal date to July 31st, 2008.
- Resolution of the site boundary (EAB) as determined by the initial meteorological data.
- Implement remaining process documents for the major project controls functions.

1.5. Look Ahead

- Progress Energy will perform a QA Audit of CH2M Hill during the week of October 1, 2007.
- NRC QA Audit of Progress Energy COLA Development Project is scheduled for the week of October 29, 2007.
- NuStart COLA submittal scheduled for October 31, 2007.

2. Project Performance Data and KPIs

2.1. KPI Summary

See Attachment 1 for more information on the NPD Annunciator Panel of key project metrics.

Project Cost Current Year	[redacted]
Project Cost Total COLA BAP	
Major Milestone Achievement	

See Attachment II for more information on trending of the JVT COLA Prep cost and schedule performance.

PEF SPI - .90	Yellow
PEF CPI – 1.01	[redacted]
REDACTED	Yellow
	[redacted]

Attachments will be updated next month to include Shaw Stone & Webster Phase 1A metrics. As of August 31st the initial Shaw Stone & Webster SPI is .64 (behind schedule) and the CPI is 1.28 (under budget).

2.2. Cost Performance

Redacted

Year to date NPD COLA project budget is [redacted] favorable to budget. This is driven primarily by adjacent land costs which may be purchased later this year and the timing of PEF Phase 1A work ( ). This under run is partially offset by over runs related to approval of JVT impact evaluations ( ) to support PEF fieldwork activities and conceptual design development to support the COLA.

Redacted

Year to date License Renewal is [redacted] favorable to budget.

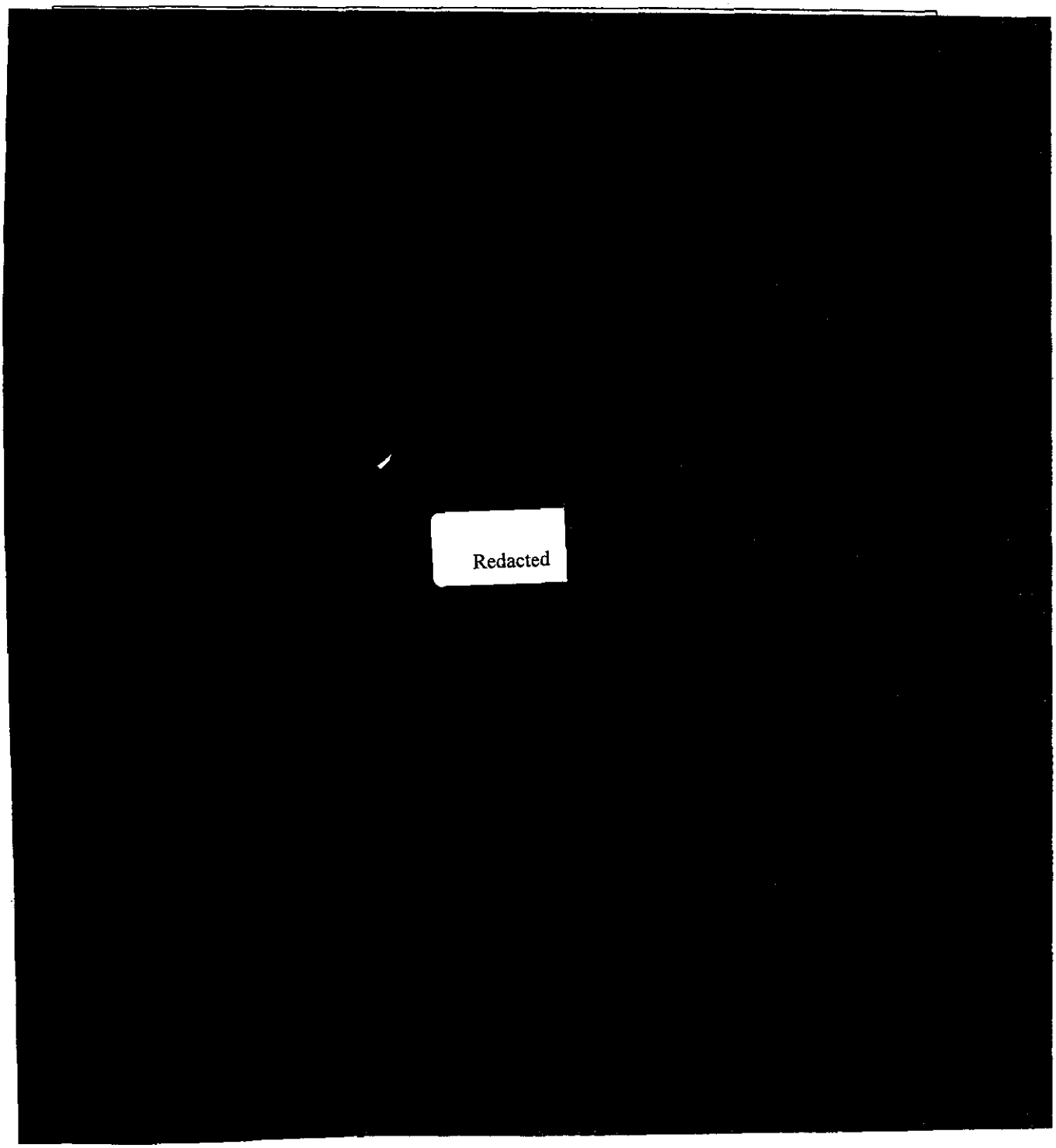
REDACTED

Project	2007 Annual Budget	2007 YE Projection	2007 YTD Actual	Project to Date Spend	Total Project Cost	Total Project Cost Status
REDACTED						
COLA – PEF						[redacted]

Redacted

REDACTED

Summary Financial Graphs



2.3. Contract Status (exceeding $ 100k)

Progress Energy Florida (PEF):

Vendor	Committed	Spent	Remaining
Staff Augmentation	Redacted	Redacted	Redacted
Joint Venture Team (COLA)*			
Land Acquisition			
Sargent & Lundy (Estimating)			
Shaw Stone & Webster			
Duncan Company (Real Estate)			

*Amendment pending for incorporating impact evaluations. Once approved new committed amount is

Redacted

REDACTED

2.4. Schedule Performance

2.4

REDACTED

2.4.2. PEF COLA Development

Overall COLA project is 43% complete. The SPI for the project is 0.90. The project has been trending behind schedule since June 2007. Fieldwork delays, completing the vibratory ground motion report, and insufficient progress made on certain FSAR and ER Chapters are the biggest contributing factors to the SPI. JVT is implementing a plan to recover the schedule delays for all critical tasks. JVT will also implement shorter task durations and schedule logic changes to improve targeted COLA submittal from 8/22/08 to 7/31/08. The CPI for the project is 1.01. The project has consistently trended under the approved project baseline budget. The JVT provided updated forecasts in August to reflect current cost projections.

2.4.3. PEF SCA Development

The project is approximately 5% complete. A logically tied baseline schedule will be issued with the September status report.

2.4.4. PEF SS&W Phase 1A Conceptual Design/Planning

Overall Phase 1A project is 48% complete. The SPI for the project is 0.64. The project has trended behind schedule since June 2007. This is primarily due to due delay in finalization of the site layout plan. The current schedule reflects a 13 day delay from the October 5th, 2007 completion date and is now forecasted to be October 25th, 2007. It is anticipated that Phase 1A activities will be further delayed as resources are re-directed to support Price Finalization cost estimate activities. The schedule impact to Phase 1A will be documented via an Impact Evaluation to be submitted by Shaw Stone & Webster.

2.5. Scope Changes

2.5.1. Business Analysis Package (BAP) Changes

A revision to the Business Analysis Package (BAP) for COLA Development was approved on September 12th, 2007. The revision was needed to cover the projected cost of Levy County land acquisition and adjacent land acquisition, annual FEMA fee requirements for new plant applicants, and to start the Site Certification Application process to support the planned commercial operation date for the Levy Nuclear Plant. A new BAP incorporating total plant cost for the Levy Nuclear Plant is currently under development.

REDACTED

2.5.4. PEF Authorized Scope Changes

Since approval of WA Amendment # 2 in June 2007, NPD has approved 19 Impact Evaluations for a total of Redacted These will be incorporated into the next WA Amendment #3. Updated task descriptions to support Amendment 3 will be submitted by the JVT on 10/13/2007. Most Impact Evaluations were required to support additional field activities required after selecting the site, and also for conceptual design work for site specific systems needed for the COLA. In 2007, 23 Impact Evaluations approved for a total of Redacted

2.5.5. PEF Potential and/or Pending Scope Changes

Other Progress Energy Florida potential scope changes include:

- Siren Study.
- Expediting COLA submittal to July 31st, 2008.
- Soil Resistivity Measurements.
- Evaluation of six month Meteorlogical Data & CHI/Q calculations to resolve EAB distance related risk.
- Excess storm water conceptual design.

2.6. High Risk Issues

REDACTED

The following risk items identified for Management attention for PEF include:

- Resolution of the site boundary (EAB) as determined by the initial meteorological data.
- Suitability of the soil/rock substrata for AP1000 structures.
- Evaluation of the makeup and blowdown options.

2.7. Organization & Staffing

2.7.1. Permanent Positions

The following authorized positions are vacant/ being recruited in the NPD organization:

- Manager – Nuclear Plant Engineering – vacancy created by promotion of last incumbent, recruiting now in progress.
- Electrical Engineer – vacancy created by resignation, recruiting in progress.
- I&C Engineer – recruiting in progress.
- Sr Engineer – (undesignated discipline), will be posted soon.
- Sr Technical Support Specialist - (undesignated discipline), will be posted soon.

2.7.2. Contract Staff

The following functional areas are covered by contract personnel augmentation via Comensura or Enercon:

- Field & Construction Management.
- Emergency Planning.
- Administrative Reviews.
- Scheduling (part-time support via NGG Fire Protection contract staff).

Plans are underway to secure additional contract support for environmental permitting & licensing.

2.7.3. License Renewal Staffing Transition

REDACTED

3. Significant Project Decisions

The following significant recently made decisions regarding the [redacted] and LNP Deployments.

3.1

REDACTED

3.2. LNP

- COLA borings confirming the location & orientation of Units 1&2.
- Conceptual foundation design approach finalized. Compacted fill will be used for the nuclear island, piles will be used for other buildings (i.e.: Turbine, Diesel, and Annex. Buildings).
- Railroad will follow an Eastern route to Dunnellon.
- Transmission line corridors will include three 500kv lines traversing to the South.
- The line voltage from Switchyard to the Reserve Auxiliary Transformer is 500kv, not 69kv.
- Utilizing a combined Switchyard for both units instead of separate Switchyard.
- The freshwater source for Potable, Demineralized, and Service Water Cooling Tower systems.

- The north bank of the Barge Canal is the tentatively selected option for the Blowdown discharge into the Gulf.
- The Barge Canal is the option selected for the Make-up water intake.

4. Self-Evaluation results

4.1. Self Assessments and Audits

Upcoming assessments/ audits include:

- Audit of Worley Parsons - Late August 2007.
- Audit of Sargent and Lundy - Mid September 2007.
- Re-Audit of CH2M Hill – October 1st, 2007.
- NRC QA Audit of COLA contractors – October 29th, 2007.
- Financial charging Practices – October 31st, 2007.
- PES Audit of NPD – November 5th, 2007.

4.2. NPD Corrective Action Program (CAP)

The following NPD NCRs have been written during 3rd Quarter 2007

- 245231 – Personal injury to contractor during core boring activities at Levy.
- 247430 – Personal injury to contract diver during aquatic sampling at Levy.
- 247809 – Incorrect primary route list was noted on NPD assignments in Passport.
- 245364 – Heighten awareness of wording and content contained in COLA documents.

NPD will provide CAP update to CSERB on October 16th, 2007.

4.3. NPD Benchmarking

NPD Self Assessment & Benchmark Coordinator has been named and will complete Passport set up of 2008 plans. No formal benchmarks have been completed during the 3rd Quarter 2007.

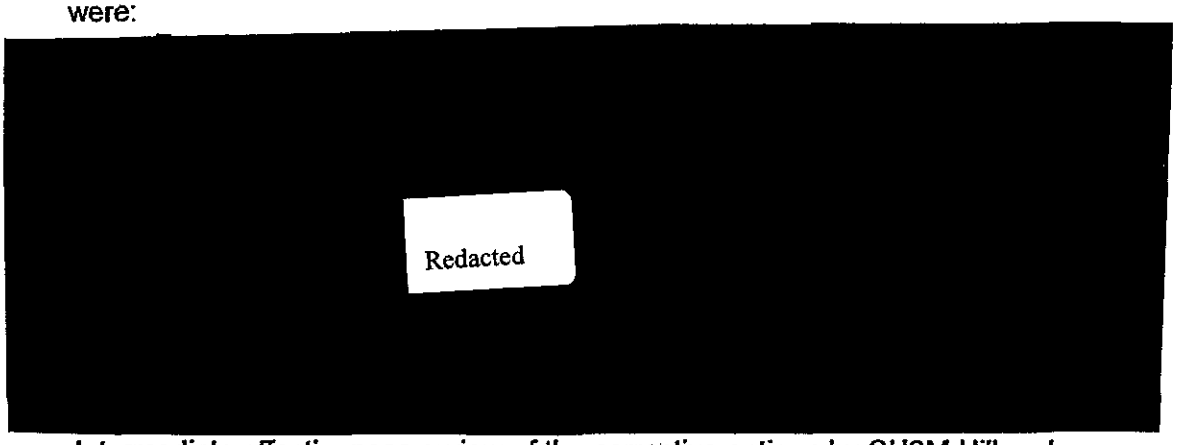
4.4. NPD Quality Assurance Activities

NGGM-PM-0030 formally documents existing business philosophy to use existing NGGC procedures and processes to implement Appendix B for new plant activities.

4.4.1. CH2M Hill Recovery Plan

The history and current status of the CH2m Hill QA recovery plan is as follows:

- Progress Energy (PE) Audit of CH2M Hill conducted – March 5 - 8, 2007.
- Stop work order verbally issued by audit team - March 8, 2007.
- Stop work order issued in writing – March 12, 2007.
- Stop work order lifted by PE – May 1, 2007.
- Stop work order lifted based on PE's review and acceptance of CH2M Hill Recovery Plan and Corrective Cctions including revisions to the Corporate QA Manual; QA Implementing Procedures; Project Quality Plan; Project Instructions; and the retraining of Project personnel.
- CH2M Hill Compensatory Measures documented in rev. 1 of Recovery Plan were:



- Intermediate effectiveness review of the corrective actions by CH2M Hill and JVT has not been conducted.
- PE reviewers identified numerous problems with recently completed and submitted CH2M Hill deliverables.
- Progress Energy management concerns with CH2M Hill revised actions and performance discussed during JVT Quarterly Meeting – June 20, 2007.

4.4.2. NPD Quality Assurance Plan

Quality Assurance Plan for Nuclear Plant Development and Construction Activities is included in NGG Program Manual and approved by Scotty Hinnant, as Chief Nuclear Officer. NGGM-PM-0030, Quality Assurance Plan for New Nuclear Plant Development and Construction Activities, Revision 0 issued and effective June 25, 2007.

4.4.3. Planned COLA Reviews

- Peer reviews of Emergency Plan, Security Plan and Environmental Report COLA. Review includes technical, licensing and administrative review.
- An Integrated review includes Corporate Reg Affairs, QA and NPD.
- Final review will incorporate any required changes from the NRC sufficiency review of the Reference COLA.

5. Engineering Update

5.1. PEF Land Acquisition

NPD formally requested approval from PGN senior management in mid-August to purchase and close on the Levy site Rayonier property. This approval was granted and the seller was notified of our intent to close on the property on or before Sept 14th, 2007. NPD will support the development of closing documents, particularly associated with the perpetual easement location.

Negotiations continue for adjacent parcels that would be used for permanent construction/operations driveway entrances and piping/heavy haul conveyances.

5.2. PEF Field Activities

Field activities continue at Levy, including the boring of two deep ~ 500 holes at each reactor location. These holes will provide additional information on shear wave velocities below 250', and also further substantiate the absence of large karst formations at these deeper depths.

DOT has visited the site with PGN staff for the purpose of laying out a new temporary drive way access that enters the site on Rayonier property from Highway 19. This new driveway installation will be pursued with DOT following closing on the property sale. Plans are also being made to also install gates and postings on the Rayonier site following closing.

Borings at the Barge Canal shored have been successfully completed, and equipment has been demobilized.

5.3. PEF Site Engineering

LNP site engineering efforts are well underway with SS&W executing Phase 1A conceptual site design and conceptual construction planning. This activity is scheduled to complete in early October 2007. The JVT in concert with PGN management finalized the locations of the power blocks, switchyard, and cooling towers. This information was then transmitted to SS&W to begin conceptual layout of all other temporary and permanent facilities. As this effort progresses, the JVT then works with SS&W to create the grading and drainage plan for the site, which is a COLA input.

The first six months of Met tower data showed more calm periods than expected as compared to the CR3 met tower. CH2M Hill is currently evaluating the data to determine the associated Xi/Q values and determine how the EAB distance is affected.

REDACTED

5.5.

REDACTED

5.6. AP1000 Design Activities

DCD revision 16 now under review by the NRC has includes several important changes needed for the Bellefonte and LNP sites including:

- Resolution of Xi/Q and associated Control Doses
- Inclusion of security feature physical changes
- Changes to ambient temperature limits (wet bulb and dry bulb) for siting in Florida
- Addition of multiple tanks in the radwaste building to increase hold-up capacity for effluent management.
- Reactor Auxiliary Transformer with Fast Bus Transfer

6. Licensing Update

REDACTED

6.2. Levy

Current schedule predicts a COLA submittal date of 8/22/08 and must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits. NRC Pre-Application environmental visit completed 8/19/07.

We expect that LWA will be desired to support soil remediation (backfill) and other construction activities prior to COL. Construction schedule and tasks are being evaluated to determine scope of LWA.

Site Certification Application (SCA) scheduled for submittal in June 2008. We anticipate that pre-construction work will require permits to be issued in advance of SCA. Scope and schedule for required permits is being developed.

6.3. Regulatory Update

The revised 10 CFR Part 52 was officially issued during August 2007.

7. License Renewal Update

REDACTED

8. NuStart Development LLC Update

NuStart remains on schedule for submission of the Bellefonte reference AP1000 COLA in late October 2007. The decision was made by NuStart to accept Dominion's North Anna Station as the reference ESBWR COL, and as a result decided to delay the submittal of NuStart's ESBWR COLA for Grand Gulf to February 2008. NuStart is also developing a process for configuration control/change management of DCD/COLA after COL submittal.

9. APOG LLC Update

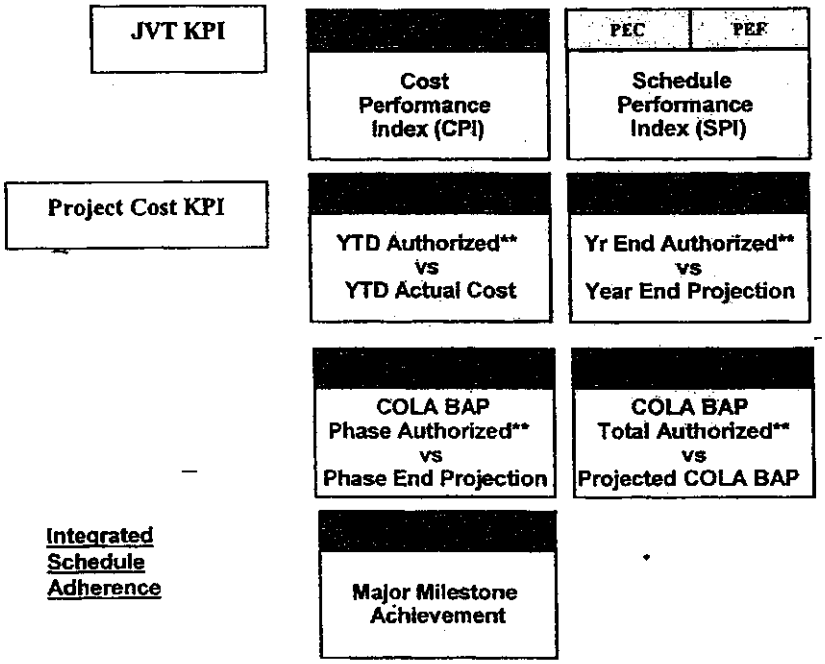
The APOG LLC (which stands for Advanced Passive 1000 Owners Group) was officially formed in August 2007, with initial members consisting of Progress Energy, SCANA, Duke Energy, and Southern. The first kick-off meeting was scheduled for early September 2007.

10. Public and Media Interaction

REDACTED

11. Attachment I – NPD Annunciator Panel

As of 8/31/07

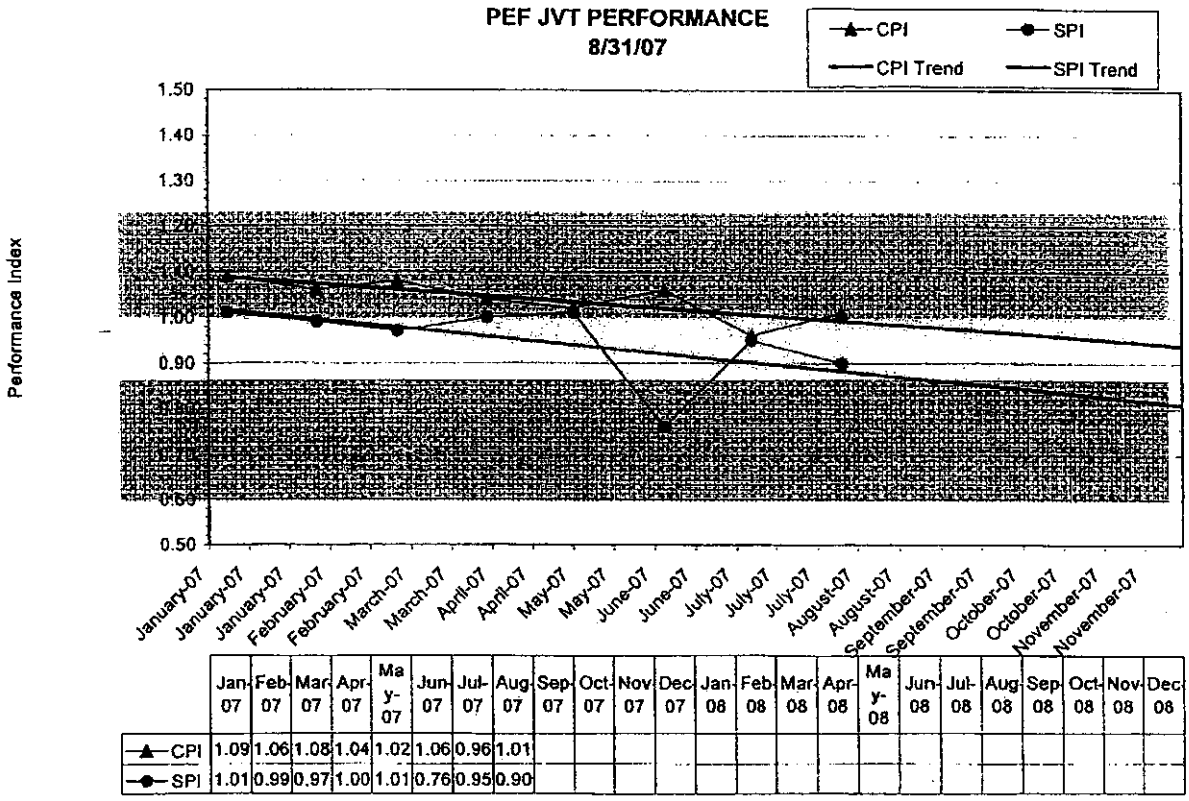


12. Attachment II – JVT COL Development Performance

REDACTED

12.2. PEF COLA Performance

CONFIDENTIAL



	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
CPI	1.09	1.06	1.08	1.04	1.02	1.06	0.96	1.01																
SPI	1.01	0.99	0.97	1.00	1.01	0.76	0.95	0.90																

CONFIDENTIAL

New Plant Development and Licensing Renewal

January 2007 Monthly Status Report

Issued: February 28, 2007

General Manager NPD&LR: Tim Cleary

Progress Energy

People. Performance. Excellence.

NGG

Progress Energy Business Proprietary and Confidential

Executive Summary:

- Safety - Hunting privileges have been cancelled on Levy County Site. No other safety issues to report in January.

- Cost – Combined Construction and Operating License Application (COLA) project is Redacted under budget in January. Key drivers are timing of Joint Venture Team (JVT) and Phase 1A work and the initial payment on Rayonier property was made in November 2006. A revision to the COL Business Analysis Package will be completed after purchase price of Lybass property is finalized.

- Schedule – REDACTED The current COLA submittal date for Levy Nuclear Plant is August 31, 2008. The project is 12% complete and is tracking on schedule. Will continue to review schedule logic with JVT to improve upon 8/31/08 date.

- Engineering Procurement Construction (EPC) – Next draft of the contract from Westinghouse is expected March 1, 2007. No issues to report in January.

- Key Issues to Finalize– Contract negotiations with Shaw Stone &Webster on initial Work Authorization for Phase 1A work and successful completion on land negotiations.

CONFIDENTIAL

Project Controls – Lewis Spragins

Budget

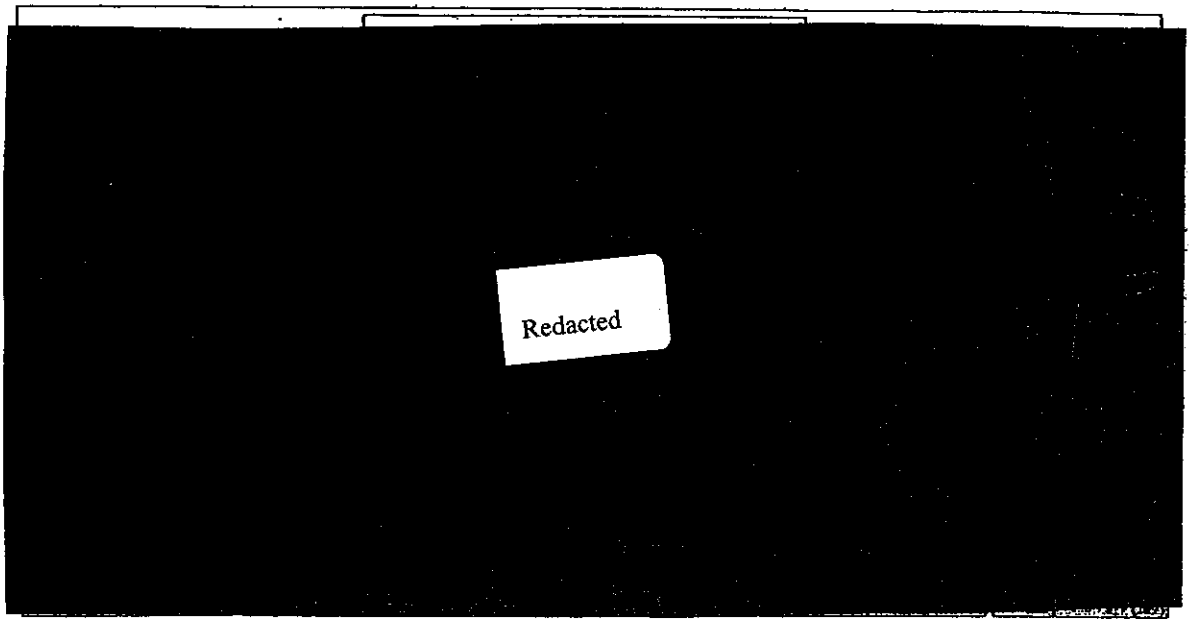
Year to date budget for NPD&LR is Redacted favorable due to timing of JVT and Phase 1A work and initial payment for Rayonier land paid in November 2006.

REDACTED

Project	2007 Annual Budget	2007 YE Projection	2007 YTD Actual	Project to Date Spend	Total Project Cost	Total Project Cost Status
REDACTED						
COLA – PEF	Redacted					

REDACTED

Redacted



REDACTED

Contracts ($100k and over)

Progress Energy Florida (PEF):

Vendor	Committed	Spent	Remaining
Duncan Company (Land)	Redacted	Redacted	Redacted
Joint Venture Team (COLA)			
Rayonier Site (Land)			
Sargent & Lundy (Estimating)			
Shaw Stone and Webster Ph 1A			

Redacted

REDACTED

Project Control/Monitoring

[!] CONFIDENTIAL

- Schedule

REDACTED

  - Progress Energy Florida – Overall COLA project is 12% complete including field work. The SPI and CPI is 1.02 is 1.01 respectively. The project is tracking on schedule compared to the baseline. Recent key activities include recovery of the Meteorological Tower schedule for erection and startup with initiation of data collection on 1/24/07 and site investigation fieldwork starting on January 9th with 5 groundwater monitoring wells being completed through January 31st.
- Project Change Control
  - A revision to the Business Analysis Package approved for COLA Development will be completed after purchase price of Lybass property is finalized.

REDACTED

  - Progress Energy Florida - No impact evaluations pending approval. Task Scope Documents were sent by JVT on February 16, 2007 to support pending WA revision.

REDACTED

- Progress Energy Florida Potential Scope Changes Discussed
  - Environmental impact assessment of fresh water and makeup and blow down discharge
  - Conceptual Design of Raw Water System (fresh water, barge canal makeup, & blow down discharge)
  - Conceptual Design of Auxiliary Systems not in DCD scope
  - Conceptual Design of road & rail access to the site
  - Conceptual Design of site drainage and grading
  - Activities to protect wetland areas

[!] CONFIDENTIAL

Organization Staffing

- All positions approved for Project Controls are filled.
- Plan to deliver 2006 PDP's to the staff week of 2/19/07

Current Risk Management Items Identified as High Risk

- New Security regulations may affect plant design, security strategy, & security plan. Security Assessment Guidelines will impact the security plan and drive a security plan revisions.
- Continuing delays of completion of the DG-1145 sections may impact COLA schedule.
- New requirements in NRC rules or processes may require last minute changes to designs or COLA that delay submittal.
- Ability of NuStart, its vendors, and utilities to deliver the reference plant COLA deliverables to support the Progress Energy schedule (not screened).
- Atomic Safety & Licensing Board or courts may allow intervener contentions that delay COLA submittal.

Challenges

- The most challenging opportunity for Project Controls will be implementing the various processes for all the major project controls functions (Cost, Document Management, Schedule, and Scope).

Self Evaluation

- Support prudence assurance functions in development of a project specific assurance plan that integrates into the NPD&LR project plan.
- Establish membership and format for quarterly NPD&LR oversight committee.
- Support ongoing 2007 Internal Audit of NPD&LR.

Engineering – Garry Miller

Safety

- Hunting will continue at the Levy County site through mid-March. Hunters have parked their vehicles on the access roads on occasion, which hindered access to the site drilling locations. On January 15th, a juvenile hunter pointed what appeared to be a loaded shot gun at a JVT person accessing the site. Progress Energy contacted Rayonier to notify the hunting club of the situation and has posted a map of the fieldwork area to alert hunters.

AP 1000 Design

- Dealing with Appendix I control room dose issue that appears to affect the majority of AP1000 sites. Westinghouse has asked for Worley support.
- Ongoing AP1000 Builders Group Actions on
  - TSC Location (PGN will use location described in DCD)
  - Fast bus transfer options on loss of main transformers
  - TOSHIBA turbine/generator option
- AP1000 security physical enhancements
- Department of Energy funding issue for Westinghouse design finalization (via NuStart)

Site Engineering/Layout

Levy

- Geotechnical field activities continue – final location of power plant islands still subject to change based on results. Westinghouse and Shaw Stone & Webster prefer parallel orientation. Waiting on Army Corps of Engineering to approve wetlands exemption.
- Phase 1A Work Authorization (WA) for Shaw Stone &Webster in final PGN routing with work to start shortly (refer to WA task plans for details)
- Preliminary heat rejection analysis in– suggests mechanical towers is best option for "hottest year", "average year", "over 40 years", and also "over 60 years". Report will be finalized and is an input to the Levy site layout.
- Final site engineering for make-up/blowdown conveyances and heavy load path affected by land issues (both private and State of Florida)

REDACTED

Land

- Progress Energy exercised its right to extend contingency period and made the 2nd due diligence earnest money deposit on Feb 14th (by wire transfer). Remaining dates are as follows:
  - 2nd Earnest Money Deposit (+90 days) – Feb 16th
  - 3rd Earnest Money Deposit (+180 days) – May 17th
  - Contingency Period Ends (+270 days) – Aug 15th
  - Closing (+300 days) – Sept 14th
- Hunting privileges have been cancelled
- Survey activities continue by Heidt Assoc. Contract requires completion by April 30th. Noted issue with existing Highway 19 road access.
- Negotiations continue with Lybass on potential corridors and right-of-ways.

Organization Staffing

- Current vacancies include:
  - Lead Engr (Mechanical NSSS)
  - Sr Engr (Instrument &Controls)
  - Sr Engr (Procurement)
  - Sr Tech Support Spec (Construction Planning)
- Need to consider re-structuring positions and then post
- On-going contracted support by Enercon (Jim Nevill)

Challenges

- Negotiations with Shaw Stone and Webster to develop the initial Work Authorization for Phase 1A work
- Continued industry resolution of seismic hi-frequency exceedances
- Potential late security retro-fits to AP1000 design
- Non-uniformity of drilling in results at Levy could require additional borings (potential scope increase)
- Wetlands protection from drilling activities required at Levy (scope increase)
- Land negotiations and associated affect on site engineering decisions

Self Evaluation

- Quality issue with Levy Geotechnical Work Plan wetlands delineation and Aquifer Plan monitoring wells delineation – both documents were corrected and revisions issued.
- Audit by PGN planned week of Feb 19th at JVT in Chicago
- Audit of JVT field activities at Levy site planned for week of Mar 19th
- NRC audit of Levy site field activities planned for March 26th & 27th

Licensing – Bob Kitchen

License Renewal

REDACTED

COLA

REDACTED

- **Levy**
  - Meteorological tower in service on 1/24/07
  - COLA submittal date is 7/31/08.
    - More float is desired based on a worst case assumption that the initial COLA is rejected and must be corrected.
    - Must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits
  - Public meeting with NRC targeted for April 2007
    - Need to be able to announce technology selection
    - REDACTED
- **NuStart**
  - No Rev B documents (Section Final Draft) have been completed. Problems with comment incorporation (Enercon) and new comments (Utilities).
  - PRA meeting with NRC on 2/15. Agreement on approach to use bounding analysis.
  - DCD rev 16 to be submitted on 5/24/07
    - Deadline for design changes to be included is 3/31/07
    - Deadline for changes requiring Technical report is 5/1/07

[!] CONFIDENTIAL

Regulatory Actions

- **Emergency Preparedness**
  - EAL Guidelines (NEI 07-01) in final review. Meeting with NRC on 2/28
  - TSC – COLA will be developed based on current DCD design.
  - Initial meeting with state and local Emergency Mgmt officials and kick-off for ETE study completed on 2/14
- Part 52 and RG 1.206 expected to be issued in late March
  - Aircraft crash to remain as beyond design basis
- Disagreement between industry and NRC re construction FFD requirements
  - NRC wants full FFD program
  - Industry wants program limited in scope

Organization Staffing

- Fully Staffed
- Transition plan being developed for License Renewal
- Need to assess when to establish independent QA organization

Challenges

REDACTED

2. LNP COLA date is currently 8/31/08. Need to review schedule logic with JVT and try to improve
3. Rev B completion – NuStart. We are using Rev B sections as soon as our comments are addressed. Plan to reconcile with changes when Rev B sections issued and at Chapter level

REDACTED

Self Evaluation

- QA assessment
  - S&L week of 2/19 – In progress (Mike Janus, Stan Shilling and David Waters)
  - CH2 week of 3/5 (Mike Janus and Paul Snead)
- Compliance inspection of LNP field activities will be performed in mid-March (Mike Janus).
  - Complete prior to NRC visit on 3/26 & 3/27

CONFIDENTIAL

Progress Energy

Nuclear Plant Development & License Renewal

Performance Report

September 2007

Progress Energy, Inc.
410 South Wilmington Street
Raleigh, North Carolina 27601

NGG Nuclear Generation Group

Submitted by

Supervisor Projects Controls _____

Approval

General Manager NPD&LR: _____

Table of Contents

1. Executive Summary 4
1.1. Safety 4
1.2. Cost 4
1.3. Schedule 4
1.4. Key Issues 5
1.5. Look Ahead 5
2. Project Performance Data and KPIs 6
2.1. KPI Summary 6
2.2. Cost Performance 6
2.3. Contract Status (exceeding $ 100k) 8
2.4. Schedule Performance 8
2.4.1. PEC COLA Development 8
2.4.2. PEF COLA Development 8
2.4.3. PEF SCA Development 9
2.4.4. PEF SS&W Phase 1A Conceptual Design/Planning 9
2.5. Scope Changes 9
2.5.1. Business Analysis Package (BAP) Changes 9
2.5.2. PEC Scope Changes Authorized 9
2.5.3. PEC Potential and/or Pending Scope Changes 9
2.5.4. PEF Authorized Scope Changes 10
2.5.5. PEF Potential and/or Pending Scope Changes 10
2.6. High Risk Issues 10
2.7. Organization & Staffing 11
2.7.1. Permanent Positions 11
2.7.2. Contract Staff 11
2.7.3. License Renewal Staffing Transition 11
3. Significant Project Decisions 11
3.1. PEC 11
3.2. PEF 12
4. Self-Evaluation Results 12
4.1. Self Assessments and Audits 12
4.2. NPD Corrective Action Program (CAP) 12
4.3. NPD Benchmarking 12
4.4. NPD Quality Assurance Activities 12
4.4.1. CH2M Hill Recovery Plan 13
4.4.2. NPD Quality Assurance Plan 13
4.4.3. Planned COLA Reviews 13
5. Engineering Update 14
5.1. PEF Land Acquisition 14
5.2. PEF Field Activities 14
5.3. PEF Site Engineering 14
5.4. PEC Field Activities 14
5.5. PEC Site Engineering 15

5.6. AP1000 Design Activities 15
6. Licensing Update 15
6.1. PEC 15
6.2. PEF 16
6.3. Regulatory Update 16
7. License Renewal Update 16
7.1. HNP License Renewal Application Review 16
7.2. CR3 License Renewal Application Development 16
8. NuStart Development LLC Update 16
9. APOG LLC Update 16
10. Public and Media Interaction 17
Attachment I – NPD Annunciator Panel 18
Attachment II – COL Development Performance 19
Shaw Performance 19
PEC COLA Performance 20
PEF COLA Performance 21

1. Executive Summary

1.1. Safety

On September 13th 2007, a dive team member from CSA International, a CH2M Hill subcontractor, was injured while conducting a sea grass survey near the proposed Levy Site. The diver was exiting the water in full scuba gear by climbing the dive ladder that was fixed to the boat. The diver lost her balance while standing on the dive ladder causing a sensation similar to a muscle pull in the right hip. Work was stopped and immediate actions were taken to interview dive team members and review the ladder arrangement for divers exiting the water. No dangers or weaknesses were found. There was no medical attention needed or time lost from work. CH2M Hill has completed a safety review of the incident and submitted to NPD.

1.2. Cost

Redacted

Combined Construction and Operating License Application (COLA) project is under budget YTD through September. Key drivers are adjacent land (which will be purchased later this year and timing differences for Shaw Stone & Webster Phase 1A work. These under runs are partially offset by Joint Venture Team approved impact evaluations. The 2007 projection reflects the COLA Business Analysis Package revision approved on September 12th, which increases the authorized funding to account for increased land acquisition costs, acceleration of the Levy Site Certification Application process, and new FEMA fee requirements for all new plant license applicants. License Renewal is under budget YTD through September.

Redacted

REDACTED

1.3. Schedule

REDACTED

PEF Phase 1A Activities – The project is 69% complete. An impact evaluation has been submitted by Shaw to revise the target completion date from 10/25/07 until 12/18/07. This is due to the redirection of resources to support price finalization work and receipt of required documentation from the JVT needed to complete remaining preliminary engineering packages.

PEF Site Certification Application – The project is 6% complete and currently on schedule. Meeting scheduled October 19th to discuss new schedule for ER to support the SCA submittal date.

1.4. Key Issues

- Site specific ITAAC to address soil remediation will be required by the NRC.
- PEF COLA schedule predicts an August 22nd 2008 submittal date. JVT is reviewing what actions are required to expedite the schedule to enable COLA submittal by July 31st, 2008.
- Issue project control process documents for change control and schedule control management.
- LNP pre-construction activities will require permits in advance of the SCA to support the schedule.

1.5. Look Ahead

- EPC Negotiation session October 23rd through October 25th.
- NRC QA Audit of Progress Energy COLA Development Project is scheduled for the week of October 29, 2007.
- NuStart Reference COLA submittal scheduled for October 31, 2007.
- PES Assessment scheduled for 11/5/07.
- AP1000 Standard Plant Cost Book completion scheduled for 11/30/07.

REDACTED

2. Project Performance Data and KPIs

2.1. KPI Summary

See Attachment 1 for more information on the NPD Annunciator Panel of key project metrics.

Project Cost Current Year	Yellow
Project Cost Total COLA BAP	
Major Milestone Achievement	

See Attachment II for more information on trending of the JVT COLA Prep cost and schedule performance.

PEF COLA SPI -	.85	Yellow
PEF COLA CPI –	1.02	
REDACTED		Yellow
Shaw PH 1A SPI -	.81	Yellow
Shaw PH 1A CPI –	1.29	
SCA SPI –	1.01	
SCA CPI -	.70	Yellow

The SCA budget overrun is due to initial mobilization and project setup. No additional budget request is anticipated as a result of the current overrun.

2.2. Cost Performance

Redacted

Year to date NPD COLA project budget is favorable to budget. This is driven primarily by adjacent land ( ) costs which may be purchased later this year and the timing of PEF Phase 1A work. This under run is partially offset by over runs related to approval of JVT impact evaluations to support PEF fieldwork activities and conceptual design development to support the COLA.

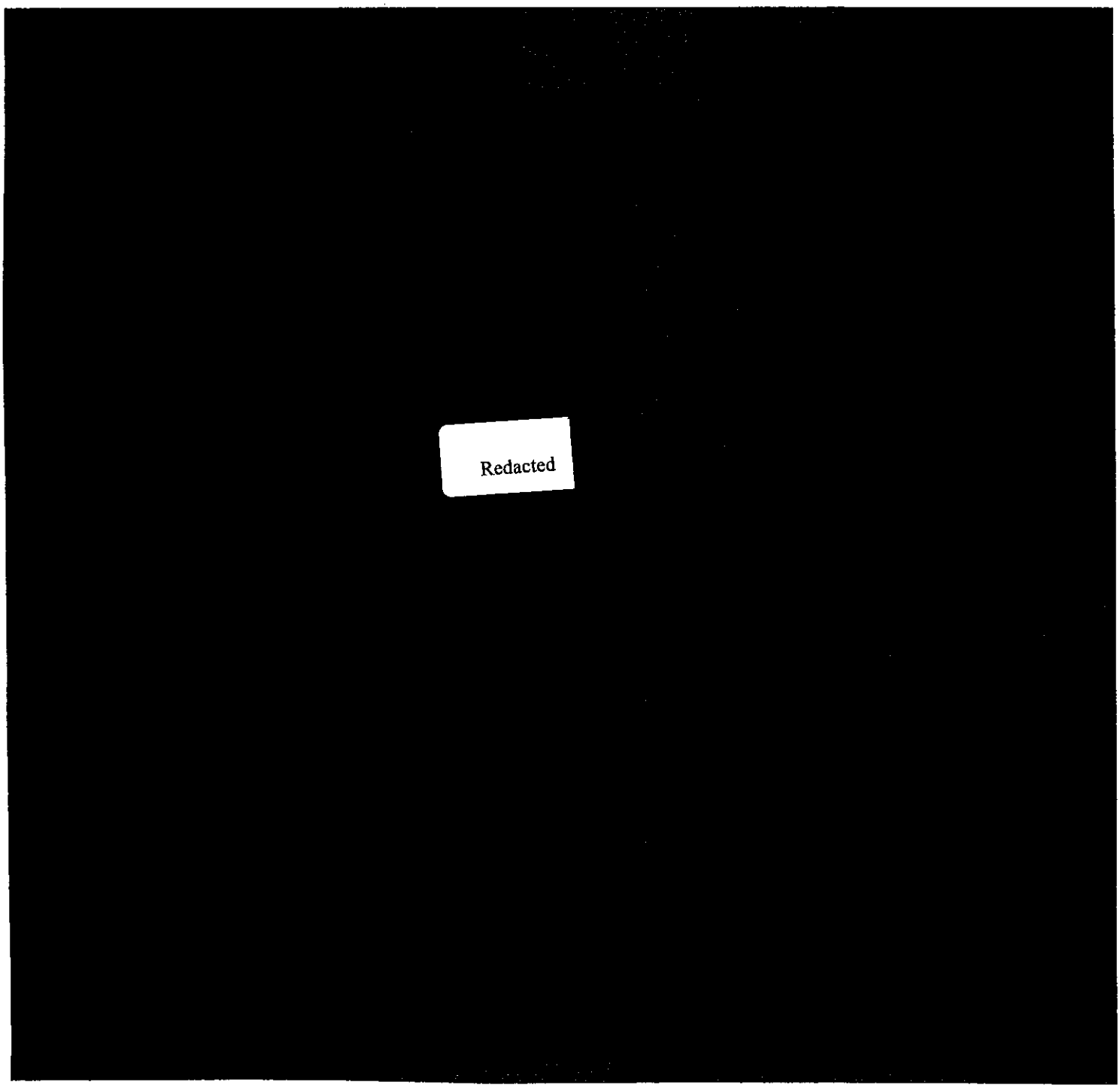
Year to date License Renewal is favorable to budget

Redacted

REDACTED

Project	2007 Annual Budget	2007 YE Projection	2007 YTD Actual	Project to Date Spend	Total Project Cost	Total Project Cost Status
	REDACTED					
COLA – PEF				Redacted		
	REDACTED					

Summary Financial Graphs



2.3. Contract Status (exceeding $ 100k)

Progress Energy Florida (PEF):

Vendor	Committed	Spent	Remaining
Staff Augmentation	Redacted	Redacted	Redacted
Joint Venture Team (COLA)*			
Land Acquisition			
Sargent & Lundy (Estimating)			
Shaw Stone & Webster			
Duncan Company (Real Estate)			

*Amendment approved in September for $4.7M to incorporate impact evaluations. Amendment increased committed amount from $ to

Redacted

REDACTED

2.4. Schedule Performance

2.4.1. PEC COLA Development

REDACTED

2.4.2. PEF COLA Development

Overall COLA project is 47% complete. The SPI for the project is 0.85. The SPI has been trending behind schedule since June 2007. Fieldwork delays, completing the vibratory ground motion report, and insufficient progress made on certain FSAR and ER Chapters are the biggest contributing factors to the SPI. JVT is implementing a plan to expedite the schedule for all critical tasks. JVT will also implement shorter task durations and schedule logic changes to improve targeted COLA submittal date from 8/22/08 to 7/31/08. The CPI for the project is 1.02. The CPI has consistently trended under the approved project baseline budget.

2.4.3. PEF SCA Development

The project is approximately 6% complete. The SPI for the project is 1.01 and on schedule. The CPI is .70 and is slightly over budget due to initial mobilization and project setup costs. No additional budget request is anticipated. A logically tied baseline schedule is being finalized and will be discussed during the October 25th status call.

2.4.4. PEF SS&W Phase 1A Conceptual Design/Planning

Overall Phase 1A project is 69% complete. The SPI for the project is 0.81. The project has trended behind schedule since June 2007. This is primarily due to delay in finalization of the site layout plan. An impact evaluation has been submitted by Shaw to revise the target completion date from 10/25/07 until 12/18/07. This is due to the redirection of resources to support price finalization work and receipt of required documentation from the JVT needed to complete remaining preliminary engineering packages.

2.5. Scope Changes

2.5.1. Business Analysis Package (BAP) Changes

Revision 1 to the Business Analysis Package (BAP) for COLA Development was approved on September 12th, 2007. The revision was needed to cover the projected cost of Levy County land acquisition and adjacent land acquisition, annual FEMA fee requirements for new plant applicants, and to start the Site Certification Application process to support the planned commercial operation date for the Levy Nuclear Plant. A new BAP (will be Revision 2) incorporating total plant cost for the Levy Nuclear Plant is currently under development.

REDACTED

REDACTED

Redacted

2.5.4. PEF Authorized Scope Changes

Since approval of JVT WA Amendment # 2 in June 2007, NPD has approved 20 Impact Evaluations for a total of These will be incorporated into the next WA Amendment #3. Updated task descriptions to support Amendment 3 are to be submitted by the JVT in October. Most Impact Evaluations were required to support additional field activities required after selecting the site, and also for conceptual design work for site specific systems needed for the COLA. In 2007, 24 Impact Evaluations have been approved or are pending approval for a total of The large number of Impact Evaluations and associated cost is due to the Levy Site not being selected at the time the COLA work started.

Redacted

2.5.5. PEF Potential and/or Pending Scope Changes

Other Progress Energy Florida potential scope changes include:

- Completing the Siren Study. (JVT is not completing the study; instead, a contract has been established with a separate vendor).
- Expediting COLA submittal to July 31st, 2008.
- Complete Soil Resistivity Measurements.
- Evaluation of six month Meteorological Data & CHI/Q calculations to resolve EAB distance related risk.
- Independent review of down-hole measurements.
- Estimate to complete fieldwork at Levy.
- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis).

2.6. High Risk Issues

REDACTED

The following risk items identified for Management attention for PEF include:

- Resolution of the site boundary (EAB) as determined by the initial 6 months of meteorological data.
- Suitability of the soil/rock substrata for AP1000 structures.
- Evaluation & environmental impacts of the makeup and blowdown options.
- Permits for pre-construction activities required to support the commercial operation date.
- Develop maximum 100 year wet bulb and dry bulb temperature (100 year return period basis).

2.7. Organization & Staffing

2.7.1. Permanent Positions

The following authorized positions are vacant/ being recruited in the NPD organization:

- Manager – Nuclear Plant Engineering – vacancy created by promotion of last incumbent, recruiting now in progress.
- Electrical Engineer – vacancy created by resignation, recruiting in progress.
- I&C Engineer – recruiting in progress.
- Sr Engineer – (undesignated discipline), will be posted soon.
- Sr Technical Support Specialist - (undesignated discipline), will be posted soon.

2.7.2. Contract Staff

The following functional areas are covered by contract personnel augmentation:

- Field & Construction Management.
- Emergency Planning.
- COLA Administrative Reviews.
- Scheduling (part-time support via NGG Fire Protection contract staff).

Plans are underway to secure additional contract support for environmental permitting & licensing.

2.7.3. License Renewal Staffing Transition

REDACTED

3. Significant Project Decisions

The following significant recently made decisions regarding the Harris and Levy Deployments.

REDACTED

3.2. PEF

- COLA borings confirming the location & orientation of Units 1&2.
- Conceptual foundation design approach finalized. Compacted fill will be used for the nuclear island, piles will be used for other buildings (i.e.: Turbine, Diesel, and Annex. Buildings).
- Railroad will follow an Eastern route to Dunnellon.
- Transmission line corridors will include three 500kv lines traversing to the South.
- Utilizing a combined Switchyard for both units instead of separate Switchyard.
- The freshwater source for Potable, Demineralized, and Service Water Cooling Tower systems is well water.
- The north bank of the Barge Canal is the tentatively selected option for the Blowdown discharge into the Gulf.
- The Barge Canal is the option selected for the Make-up water intake.

4. Self-Evaluation Results

4.1. Self Assessments and Audits

Upcoming assessments/ audits include:

- Re-Audit of CH2M Hill – October 1st, 2007.
- NRC QA Audit of COLA contractors – October 29th, 2007.
- Financial charging Practices – 4th Quarter, 2007.
- PES Audit of NPD – November 5th, 2007.

4.2. NPD Corrective Action Program (CAP)

The following NPD NCRs have been written during 3rd Quarter 2007

- 245231 – Personal injury to contractor during core boring activities at Levy.
- 247430 – Personal injury to contract diver during aquatic sampling at Levy.
- 247809 – Incorrect primary route list was noted on NPD assignments in Passport.
- 245364 – Heighten awareness of wording and content contained in COLA documents.
- 252015 – Improvement opportunities for monitoring vendor performance.

NPD will provide CAP update to CSERB on October 16th, 2007.

4.3. NPD Benchmarking

NPD Self Assessment & Benchmark Coordinator has been named and will complete Passport set up of 2008 plans. No formal benchmarks have been completed during the 3rd Quarter 2007.

4.4. NPD Quality Assurance Activities

NGGM-PM-0030 formally documents existing business philosophy to use existing NGGC procedures and processes to implement Appendix B for new plant activities.

4.4.1. CH2M Hill Recovery Plan

The history and current status of the CH2m Hill QA recovery plan is as follows:

- Progress Energy (PE) Audit of CH2M Hill conducted – March 5 - 8, 2007.
- Stop work order verbally issued by audit team - March 8, 2007.
- Stop work order issued in writing – March 12, 2007.
- Stop work order lifted by PE – May 1, 2007.
- Stop work order lifted based on PE's review and acceptance of CH2M Hill Recovery Plan and Corrective Actions including revisions to the Corporate QA Manual; QA Implementing Procedures; Project Quality Plan; Project Instructions; and the retraining of Project personnel.
- CH2M Hill Compensatory Measures documented in rev. 1 of Recovery Plan were:
  - [redacted]
- PE reviewers identified numerous problems with recently completed and submitted CH2M Hill deliverables.
- Progress Energy management concerns with CH2M Hill revised actions and performance discussed during JVT Quarterly Meeting – June 20, 2007.

4.4.2. NPD Quality Assurance Plan

Quality Assurance Plan for Nuclear Plant Development and Construction Activities is included in NGG Program Manual and approved by Scotty Hinnant, as Chief Nuclear Officer. NGGM-PM-0030, Quality Assurance Plan for New Nuclear Plant Development and Construction Activities, Revision 0 issued and effective June 25, 2007.

4.4.3. Planned COLA Reviews

- Peer reviews of Emergency Plan, Security Plan and Environmental Report COLA. Review includes technical, licensing and administrative review.
- An independent review includes Corporate Reg Affairs, QA and NPD.
- Final review will incorporate any required changes from the NRC sufficiency review of the Reference COLA that have been identified by year end.

5. Engineering Update

5.1. PEF Land Acquisition

NPD formally requested approval from PGN senior management in mid-August to purchase and close on the Levy site Rayonier property. This approval was granted and the seller was notified of our intent to close on the property on or before Sept 14th, 2007. NPD will support the development of closing documents, particularly associated with the perpetual easement location.

Negotiations continue for adjacent parcels that would be used for permanent construction/operations driveway entrances and piping/heavy haul conveyances.

5.2. PEF Field Activities

Field activities continue at Levy, including the boring of two deep ~ 500 holes at each reactor location. These holes will provide additional information on shear wave velocities below 250', and also further substantiate the absence of large karst formations at these deeper depths.

DOT has visited the site with PGN staff for the purpose of laying out a new temporary drive way access that enters the site on Rayonier property from Highway 19. This new driveway installation will be pursued with DOT following closing on the property sale. Plans are also being made to also install gates and postings on the Rayonier site following closing.

Borings at the Barge Canal shored have been successfully completed, and equipment has been demobilized.

5.3. PEF Site Engineering

LNP site engineering efforts are well underway with SS&W executing Phase 1A conceptual site design and conceptual construction planning. This activity is scheduled to complete in early October 2007. The JVT in concert with PGN management finalized the locations of the power blocks, switchyard, and cooling towers. This information was then transmitted to SS&W to begin conceptual layout of all other temporary and permanent facilities. As this effort progresses, the JVT then works with SS&W to create the grading and drainage plan for the site, which is a COLA input.

The first six months of Met tower data showed more calm periods than expected as compared to the CR3 met tower. CH2M Hill is currently evaluating the data to determine the associated Xi/Q values and determine how the EAB distance is affected.

REDACTED

5.

REDACTED

5.6. AP1000 Design Activities

DCD revision 16 includes several important changes needed for the [redacted] and LNP sites including:

- Resolution of Xi/Q and associated Control Doses
- Inclusion of security feature physical changes
- Changes to ambient temperature limits (wet bulb and dry bulb) for siting in Florida
- Addition of multiple tanks in the radwaste building to increase hold-up capacity for effluent management.
- Reactor Auxiliary Transformer with Fast Bus Transfer

The NRC has not docketed DCD Revision 16.

6. Licensing Update

6.

REDACTED

6.2. PEF

Current schedule predicts a COLA submittal date of 8/22/08. The COLA must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits. JVT is reviewing actions needed to improve submittal date to July 30, 2007 but if that is practical has not been determined.

We expect that LWA will be desired to support soil remediation (backfill) and other construction activities prior to COL. Construction schedule and tasks are being evaluated to determine scope of LWA.

Site Certification Application (SCA) is scheduled for submittal in June 2008. We anticipate that pre-construction work will require permits to be issued in advance of SCA. We anticipate that this will be a significant challenge to the LNP schedule and may be the critical path for the LNP project. Scope and schedule for required permits is being developed and meetings with the state agencies will be setup to review permitting needs.

6.3. Regulatory Update

The revised 10 CFR Part 52 was officially issued during August 2007. The NRC also issued guidelines for COLA Acceptance Review (NRO-REG-100) on September 26, 2007.

7. License Renewal Update

REDACTED

8. NuStart Development LLC Update

NuStart remains on schedule for submission of the Bellefonte reference AP1000 COLA in late October 2007. The decision was made by NuStart to accept Dominion's North Anna Station as the reference ESBWR COL, and as a result decided to delay the submittal of NuStart's ESBWR COLA for Grand Gulf to February 2008. NuStart is also developing a process for configuration control/change management of DCD / COLA after COL submittal.

9. APOG LLC Update

The APOG LLC (which stands for Advanced Passive 1000 Owners Group) was officially formed in August 2007, with initial members consisting of Progress Energy, SCANA, Duke Energy, and Southern. The first kick-off meeting was scheduled for early September 2007.

10. Public and Media Interaction

The NRC scheduled a pre-application public visit for the REDACTED, COLA in Apex NC for mid-September 2007.

Attachment I – NPD Annunciator Panel

NPD Annunciator Panel

As of 9/30/07

JVT Earned Value Metrics

- Cost Performance Index (CPI)
- Schedule Performance Index (SPI)

SSW Earned Value Metrics

- Cost Performance Index (CPI)
- Schedule Performance Index (SPI)

Project Cost Performance

***In future years, indicators will reflect cost comparisons to both Authorized and to Budget.*

- YTD Authorized** vs YTD Actual Cost
- Yr End Authorized** vs Year End Projection
- COLA BAP Total Authorized** vs Projected COLA BAP

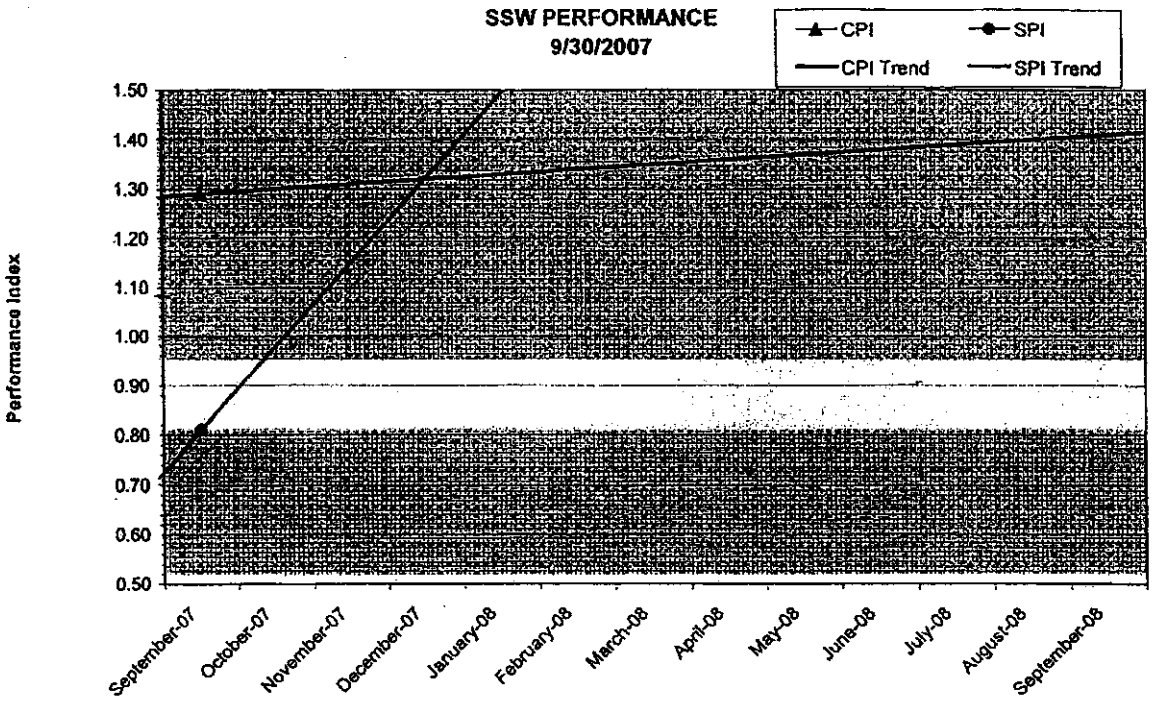
Integrated Schedule Adherence

- Major Milestone Achievement

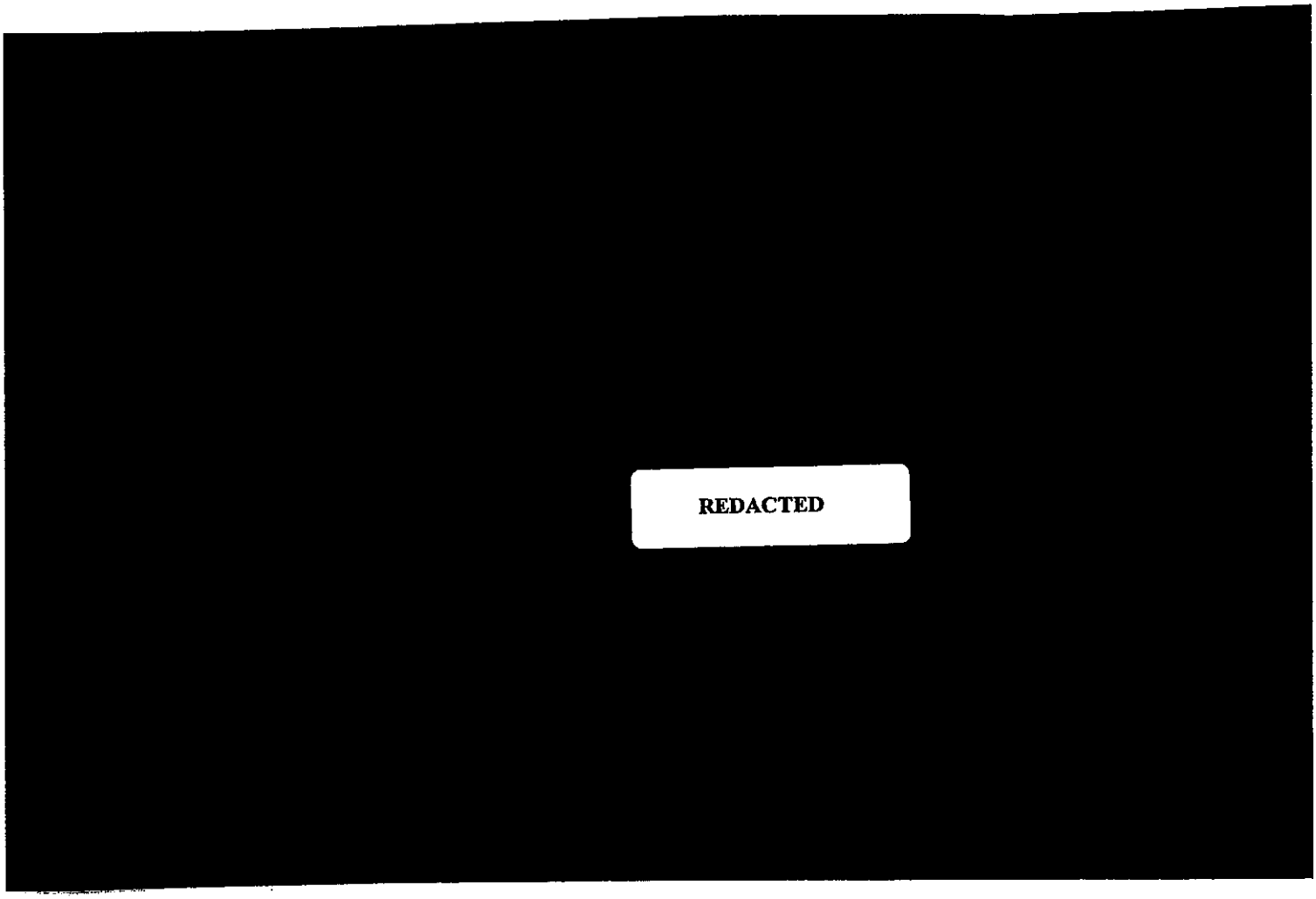
On Target | In Jeopardy | Off Target | Not Statused

Attachment II – COL Development Performance

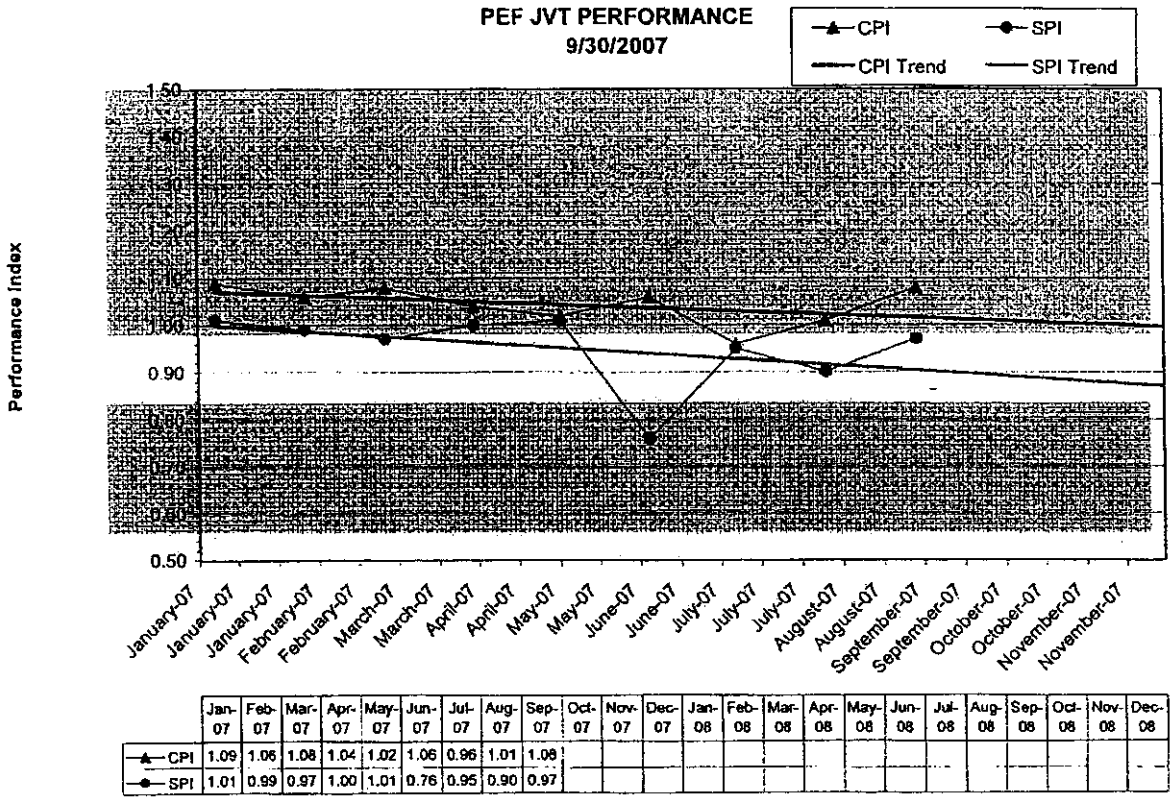
Shaw Performance



	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
CPI	1.28	1.29															
SPI	0.64	0.81															


REDACTED

PEF COLA Performance



	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
CPI	1.09	1.06	1.08	1.04	1.02	1.06	0.96	1.01	1.08															
SPI	1.01	0.99	0.97	1.00	1.01	0.76	0.95	0.90	0.97															

CONFIDENTIAL

New Plant Development and Licensing Renewal

May 2007 Monthly Status Report

Issued: June 26, 2007:

General Manager NPD&LR:

Timothy P. Cleary

Progress Energy

People. Performance. Excellence.

NGG

Progress Energy Business Proprietary and Confidential

Executive Summary: CONFIDENTIAL

- Safety –
  - Levy - Sonic drilling soil samples developed severe mold and poses a health hazard. The samples have been discarded.
  - Levy – During drilling activities, one rig cable broke and one cable got caught around a 55 gallon drum.
  - Levy – Increased number of snakes have been observed at the site.
  - Shaw safety information was not available (no accidents or incidents reported).

Redacted

Cost – Combined Construction and Operating License Application (COLA) project is under budget through May. Key drivers are timing of Joint Venture Team (JVT) COLA preparation, Shaw Phase 1A work, and land purchase. A revision to the COLA Business Analysis Package will be completed after land requirements are determined. Rayonier site purchase is on target for August 2007.

- Schedule –

REDACTED

  - LNP -The project is 39% complete. All 90 boreholes in the plant area are complete. The current COLA submittal date for Levy Nuclear Plant is August 22, 2008. Joint Venture Team is implementing a plan to improve the COLA submittal date to 7/31/08 and will submit an impact evaluation for this scope. COLA must be filed with the NRC by 12/31/08 to be eligible for Production Tax Credits.

- Engineering Procurement Construction (EPC) – EPC negotiations with Westinghouse were held May 22nd and May 23rd in Pittsburgh, PA. The June meeting will be held in Raleigh on June 11-12.

- Key Issues to Finalize -
  - Progress Energy lifted the CH2M Hill stop work order on 5/1/07. All deliverables will be subject to interim compensatory measures in the recovery plan.
  - NRC Audit of JV Cola activities is planned for July 2007.

- Self Assessment -
  NPD&LR recently completed a self assessment which included a review of NPD procedures, instructions, processes and work management controls being developed and implemented in support of the COLA development

work. The self assessment was conducted utilizing a combination of project document reviews and personnel interviews. Field observations were not incorporated into this self assessment due to the initial focus on verifying the development and implementation of project controls. This self assessment did not include any outside industry peers and therefore no benchmarking opportunities were incorporated into this self assessment. The Self Assessment Report is included as an attachment to this report.

CONFIDENTIAL

Project Controls – Lewis Spragins

Redacted

Budget

Year to date budget for NPD COLA is favorable due to timing of Phase 1A work ( ), JVT ( ), Shaw Stone & Webster COLA support ( ).

REDACTED

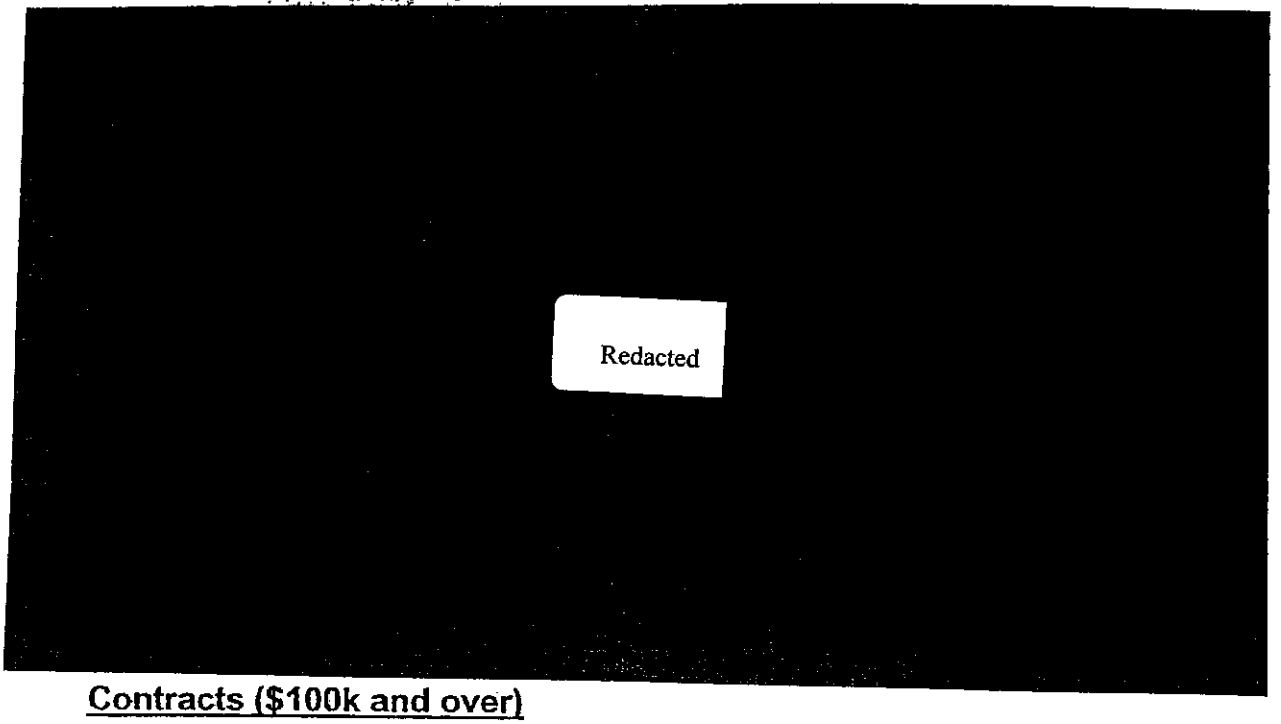
Project	2007 Annual Budget	2007 YE Projection	2007 YTD Actual		Project to Date Spend	Total Project Cost	Total Project Cost Status
	REDACTED						
COLA – PEF			Redacted				Yellow*

REDACTED

[redacted]

Redacted

[1] CONFIDENTIAL



Contracts ($100k and over)

Progress Energy Florida (PEF):

Vendor	Committed	Spent	Remaining
Enercon (Nevill)	Redacted	Redacted	Redacted
Joint Venture Team (COLA)*			
Rayonier Site (Land)			
Sargent & Lundy (Estimating)			
Shaw Stone and Webster Ph 1A Quickstart			
Shaw Stone & Webster LNP Ph1A			

*Amendment pending for for incorporating impact evaluations. Once approved new

Redacted

REDACTED

Note: Contract charts to be developed once monthly cash flow update process for PEC COLA is finalized with Joint Venture Team in June. This will be applied to other major contracts going forward.

Project Control/Monitoring

CONFIDENTIAL

- **Schedule & Cost**

REDACTED

REDACTED

- Progress Energy Florida:
  - Overall COLA project is 39% complete including field work. The SPI and CPI is 1.01 & 1.02 respectively. The overall project is on schedule, but field work has been impacted by heavy rains, poor drainage conditions, and some mechanical problems. All 90 boreholes in the plant area were completed 6/7/2007. Borings at Make-up Water Pumphouse is awaiting access authorization from FDEP and borings for Cooling Towers is awaiting finalization of their location as part of site general arrangement. An impact evaluation is being submitted to implement shorter task durations and schedule logic changes. These changes will improve the target COLA submittal date from 8/22/28 to 7/31/08.
  - Shaw Quick Start work on Tasks 1-5 and 9 were completed within the schedule approved per the work authorization. Work was also completed for less than the approved Redacted in the WA. This was primarily due to efficiencies gained from preceding project experience. A second work authorization was released on June 19th for Levy Phase 1A. The approved amount is with work scheduled to be completed by October 5th. Redacted

CONFIDENTIAL

- **Project Change Control**

A revision to the Business Analysis Package approved for COLA Development will be completed after negotiations for Lybass property are finalized. Preparations and reviews are ongoing to seek approval to proceed with a new phase of the project related to procurement activities and site specific work not related to COLA.

REDACTED

$17.6k.

- Progress Energy Florida – As of May 31st, impact evaluation #45 (Conceptual Design for site grading, drainage, and railroad access) and impact evaluation #50 (Aquatic Sampling of Florida Barge Canal) are pending approval. The estimated cost of these impact evaluations is approximately JVT is currently reworking impact evaluation #50 based on Progress Energy comments.

Redacted

REDACTED

- Progress Energy Florida Potential Scope Changes
  - Conceptual Design of Raw Water System (fresh water, makeup, & blow down).
  - Scope for drilling deep holes and measuring shear wave velocity required for SSE definition..
  - Scope for supplemental borings and geophysical investigations to define geological discontinuity as requested by Westinghouse/Paul Rizzo.
  - Support to prepare Site Certification Application.
  - NRC concern on solution cavities located deep underground requires additional investigation.
  - Approach to accelerate COLA submittal to 7/31/2008 (FSAR Sections 2.3 & 2.5, Chapter 11, and ER Ch. 5 affected).
  - Scope to comply with new NRC provisions on Tsunami.
  - Scope for conceptual design of Waste Water and Chemical Feed systems.

Organization Staffing

- Project Controls – Fully staffed. No updates to report for May.

Current Risk Management Items Identified as High Risk

Identified high risk items are as follows:

- Selection to secure a capable COLA preparer is a critical link to licensing new nuclear plants and meeting the company's need to deliver quality COLAs for REDACTED and Levy within the required schedule at a reasonable cost.
- New security regulations may affect the plant design, security strategy, and the overall security plan. Security Assessment Guidelines, which are due by the NRC on February 17, 2007, will affect the Security Plan and may necessitate Plan revision.
- Continuing delays of completion of the DG-1145 sections could have impact on schedule if final regulatory guide is issued just before 6 month cutoff before docketing of the COL application. The potential exists that the revised SRP acceptance criteria and the guidance of associated section of DG-1145 will not be consistent.
- Impacts on the transmission system from new nuclear may be either positive or negative, depending on perspective. Additional lines at existing nuclear facilities provide grid stability and LOSP redundancy. These same lines may be viewed negatively due to environmental issues associated with routing, aesthetic concerns, land use. Line construction may also provide better access to strategic loads.
- REDACTED
- Total plant cost; including vendor and owner supplied scopes, site specific logistic and cost support, staffing, and project execution risk.
- Ability of NuStart, its vendors, and utilities to deliver the reference plant COLA deliverables to support PGN schedule.
- Increasing global demand for new reactors will challenge the capacity of suppliers to meet the manufacturing demand. (This is is from a 1/13/2006 presentation to mgmt as part of RX technology evaluation.)

REDACTED

- Florida Siting Temperature Issues
- Levy Plant rezoning uncertainty that is required for input into Site Certification Application.
- Inability to establish EPC contract beneficial to PE in terms of cost, schedule, and plant operating performance.
- The ability to obtain and retain sufficient qualified project management and skilled construction workforce to complete the project on cost and schedule.

- New requirements in NRC rules or processes could require last minute changes to designs or COLAs that delay submittals.
- Uncertainty associated with establishing a timely, accurate and comprehensive process to track and report construction activity accomplishment.

Challenges

- The most important challenge for Project Controls is to continue to implement processes for the key major project controls functions.
- Implement plan to support electronic submittal and Administrative Review of COLA.

Self Evaluation

- Support prudence assurance functions in development of a project specific assurance plan that integrates into the NPD&LR project plan.
- Support ongoing 2007 Internal Audit of NPD&LR.
- Support assessment of Florida Nuclear Plant Construction Project Controls processes.

NCR's Initiated in May 2007

- 233206 – An error was discovered in a contract work authorization related to the project. The legal entity associated with the work was not correct and language related to project controls processes was omitted. These items have been discussed and addressed.
- 234938 – During a review of the total project cost estimate spreadsheet, it was determined that the calculation for escalation was not correct. This was self identified prior to submitting with the Business analysis Package currently being developed. Subject matter experts have been identified to perform independent reviews and improve the quality of the spreadsheet.

CONFIDENTIAL

Engineering – Garry Miller

Safety

- No injuries or safety issues have occurred or been identified at the Levy site. No field activities are occurring at the Harris site.

AP 1000 Design

- The Appendix I control room dose issue that appeared to affect the majority of AP1000 sites (either control room dose or EAB distance) is under resolution. DCD revision 16 changes have been issued to address this fleet issue.
- AP1000 physical changes have been identified by DCD revision 16 to deal with security tactical needs, increased radioactive wastewater hold-up capacity, increased office space needs, and relocation of the MG sets, and control room layout changes. The effect of the changes is that the AP1000 Radwaste building, Annex building, and Turbine building were all physically extended.

Site Engineering/Layout

Levy

- Geotechnical field activities continue at Levy, but are nearing completion by mid July 2007. The final location of AP1000 power plant islands has been confirmed based on acceptable boring results under the footprint of the plant. Wetland exemption was received from Army Corps of Engineering to permit boring in the affected wetlands.
- FL DEP has granted permission to perform borings at the proposed intake location on the barge canal. This will occur beginning the week of June 25th.
- Phase 1A Work Authorization (WA) for Shaw Stone &Webster has been authorized and work has been initiated. Conceptual engineering on the overall site layout and excavation/backfill approach are in progress.
- Conceptual site engineering for make-up/blowdown conveyances and heavy load path affected by land issues (both private and State of Florida) are in progress.

REDACTED

Land

- Progress Energy exercised its right to extend contingency period and made the 3rd due diligence earnest money deposit before May 17th (by wire transfer). Remaining dates are as follows:
  - 2nd Earnest Money Deposit (+90 days) – Feb 16th **(complete)**
  - 3rd Earnest Money Deposit (+180 days) – May 17th **(complete)**
  - Contingency Period Ends (+270 days) – Aug 15th
  - Closing (+300 days) – Sept 14th
- Hunting privileges have been cancelled.
- Survey activities have been completed by Heidt Assoc.
- The identification of a permanent easement for timber management access to the adjacent eastern property is in progress. This is needed to close on the property.
- Negotiations continue with adjacent property owners on potential corridors and right-of-ways.

Organization Staffing

- Current vacancies include:
  - Sr Engr (Instrument &Controls) - Job posted and recruitment is in progress
  - Sr Engr (Electrical) - Job posted and recruitment is in progress
  - Sr Engr (Procurement)
  - Sr Tech Support Spec (Construction Planning)
- Discussions are ongoing associated with re-targeting the vacant positions
- On-going contracted support by Enercon (Jim Nevill)

Challenges

- Continued industry resolution of seismic hi-frequency exceedances
- Non-uniformity of drilling in results at Levy could require additional borings (potential scope increase). This issue is currently under discussion with WEC.
- Land negotiations and associated affect on site engineering decisions

Self Evaluation

- PGN audit of JVT field activities at Levy site occurred during the week of March 19th with no significant findings
- NRC audit of Levy site field activities occurred during the week of March 26th & 27th with no significant findings.

CONFIDENTIAL

Licensing – Bob Kitchen

License Renewal

REDACTED

COLA

REDACTED

- **Levy**
  - COLA submittal date is 8/28/08.
    - Must be accepted by the NRC on 12/31/08 to be eligible for *Production Tax Credits*
  - NRC Pre-Application visit planned for 8/19/07
  - Expect that LWA will be desired to support soil remediation (backfill) prior to COL.
- **NuStart**
  - DCD rev 16 submitted on 5/29/07
  - Reference plant COLA submittal scheduled for 10/30/07
  - Developing process for configuration control/change management of DCD/COLA

CONFIDENTIAL

Regulatory Actions

- Emergency Preparedness
  - TSC – COLA will be developed based on current DCD design
- Part 52 and RG 1.206 expected to be issued by July
  - Aircraft crash to remain as beyond design basis
- Access Authorization & FFD to be issued by July 2008

Organization Staffing

- Fully Staffed
- Transition plan being developed for License Renewal

Challenges

REDACTED

2. Offsite electrical power licensing requirements for passive plants not resolved. Meeting with NRC to review GDC requirements being scheduled.
3. NRC questioning the possible need for site specific ITAAC to address soil remediation.
4. LNP COLA date is currently 8/28/08. Need to review schedule logic with JVT and try to improve
5. Rev B completion – NuStart. We are using Rev B sections as soon as our comments are addressed. NuStart decision not to issue Rev B will impact our COLA schedule. Assessment in progress.

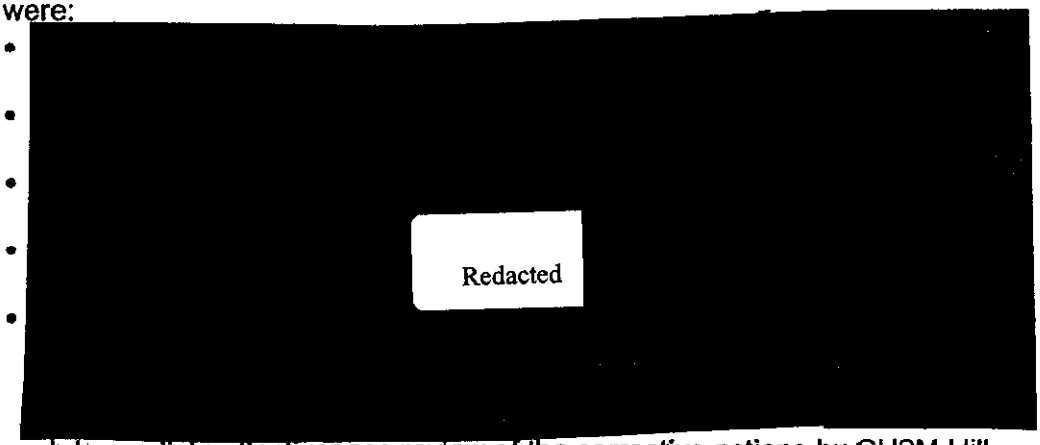
REDACTED

Self Evaluation

- QA assessment
  - CH2MHILL QA Hold released on 5/1/07
- Reviews planned for COLA development
  - Peer reviews of Emergency Plan, Security Plan and Environmental
  - COLA review includes technical, licensing and administrative review
  - Integrated review includes Corporate Reg Affairs and NPD

NPD Quality Assurance Activities

CH2M Hill Stop Work Recovery Plan

- Progress Energy Audit of CH2M Hill conducted – March 5 -8, 2007
- Stop Work Order verbally issued by audit team - March 8, 2007
- Stop work Order issued in writing – March 12, 2007
- Stop work Order Lifted by PE – May 1, 2007
  - Stop work lifted based on PE's review and acceptance of CH2M Hill recovery Plan and Corrective actions including revisions to: Corporate QA Manual; QA Implementing Procedures; Project Quality Plan; Project Instructions; and retraining of Project personnel.
- CH2M Hill Compensatory Measures documented in rev. 1 of Recovery Plan were:
  - 

  - Intermediate effectiveness review of the corrective actions by CH2M Hill and JVT has not been conducted, currently scheduled for August 1, 2007.
  - PE reviewers identified numerous problems with recently completed and submitted CH2M Hill deliverables.
  - Progress Energy management concerns with CH2M Hill revised actions and performance discussed during JVT Quarterly Meeting – June 20, 2007.

NRC QA Audit

- Tentatively scheduled for week of July 16-20, 2007
- Based on audit results at South Texas, NRC issued 4 questions to potential COL applicants to determine readiness for conduct of audit.
- PE / JVT supplied responses to NRC questions on June 13, 2007.
- NRC Audit of NUSTART – Bellefonte being changed from June 25-29 to July 31- August 3, 2007.
- Once details are determined from NRC, resource and planning meetings with JVT will be conducted.

Nuclear Plant Development QA Plan

CONFIDENTIAL

- Quality Assurance Plan for Nuclear Plant Development and Construction Activities will be contained in NGG Program Manual approved by Scotty Hinnant.
- NGGM-PM-0030, Quality Assurance Plan for New Nuclear Plant Development and Construction Activities, Revision 0 issued and effective June 25, 2007.
- NGGM-PM-0030 formally documents existing business philosophy to use existing NGGC procedures and processes to implement Appendix B for new plant activities.

Upcoming QA Audit Activities

- Vendor Audit Plans being developed to support:
  - Re-Audit of CH2M Hill – Early August 2007
  - Audit of Worley Parsons - Late August 2007
  - Audit of Sargent and Lundy - Mid September 2007
- PES Audit of NPD – November 5 – 9, 2007

Attachment 1

CONFIDENTIAL

NPD Annunciator Panel

As of 5/31/07

JVT Earned Value Metrics

Cost Performance Index (CPI)	PEC Schedule Performance Index (SPI)

Project Cost Performance

YTD Authorized** vs YTD Actual Cost	Yr End Authorized** vs Year End Projection
COLA BAP Phase Authorized** vs Phase End Projection	COLA BAP Total Authorized** vs Projected COLA BAP

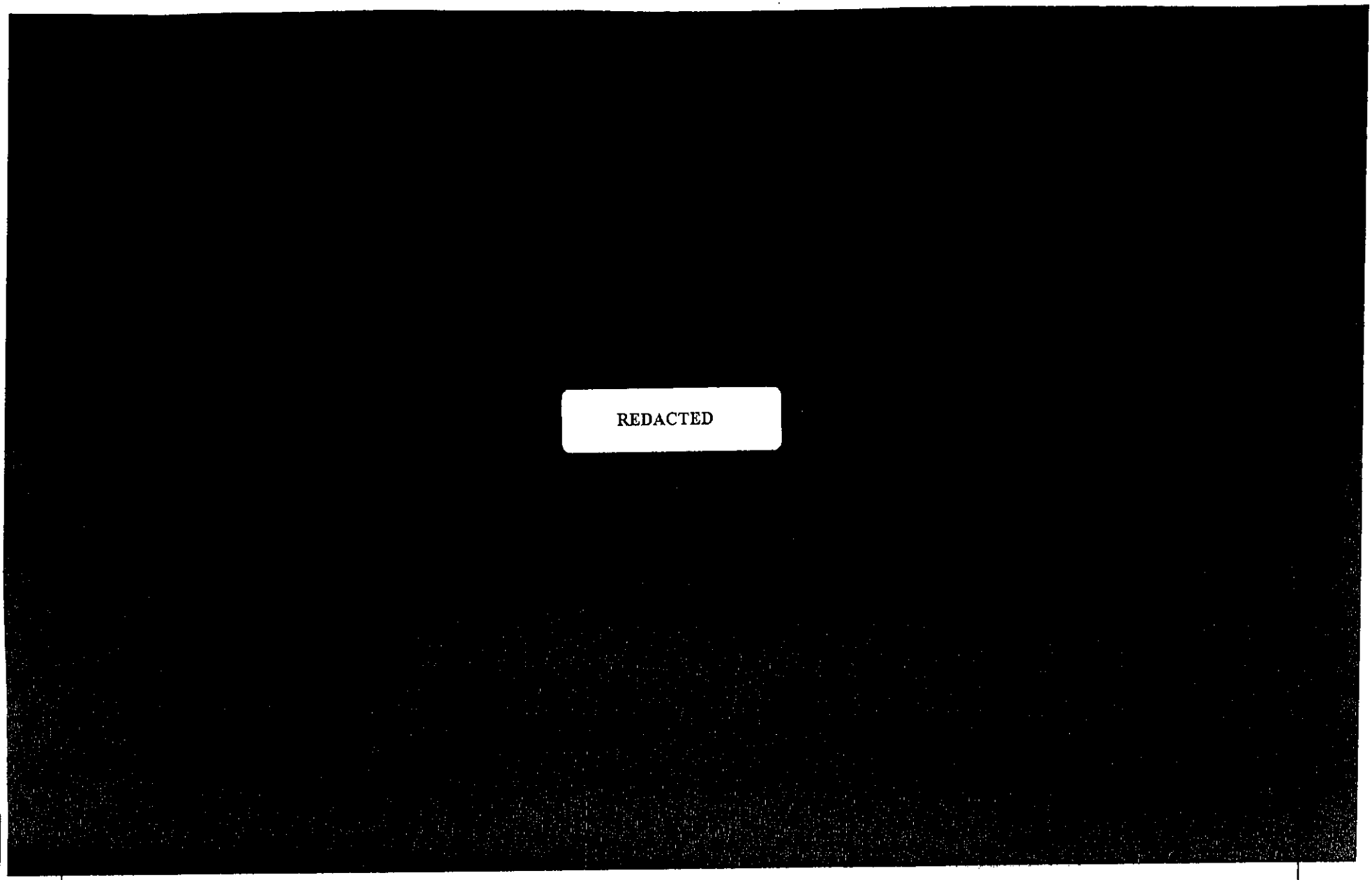
***In future years, indicators will reflect cost comparisons to both Authorized and to Budget. Currently applying concept that if the costs are UNDER then the indicator is green regardless of how large the variance. This is different than described in proposed KPI table.*

Integrated Schedule Adherence

Major Milestone Achievement

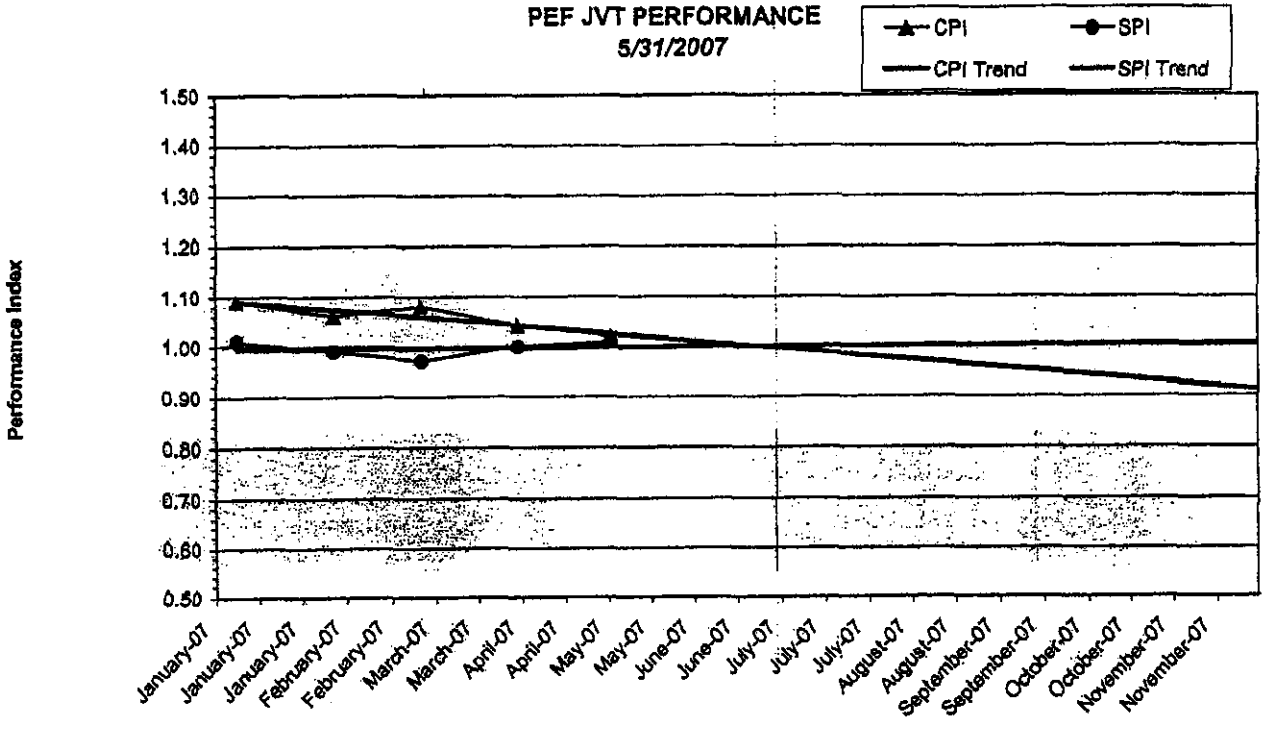
On Target In Jeopardy Off Target Not Statused

Attachment 1


REDACTED

CONFIDENTIAL

Attachment 3



	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
CPI	1.09	1.06	1.08	1.04	1.02																			
SPI	1.01	0.98	0.97	1.00	1.01																			

CONFIDENTIAL

Attachment 4

Self-Assessment Report

X Formal ☐ Quick Hit

Assessment Number: 226560 **Dates of Assessment:** 3/26/07-4/16/07

Topic: Effectiveness of NPD&LR Project Implementation and Quality Controls

Team Leader: Michael Janus

Team Members/Work Location:

Debbie Doyle - Senior Project Management Specialist - NPD

Lewis Spragins – Supv. Project Controls - NPD

Objectives and Scope:

The purpose of this self assessment was to review and evaluate the implementation and application of the Nuclear Plant Development (NPD) project's procedures, processes and controls. The Nuclear Plant Development Project is an evolving organization responsible for the development of a Combined Construction and Operation License Applications (COLA) for new nuclear plants. The development of a COLA is a new process for the industry that involves multiple first time evolutions being performed within a changing regulatory environment. This first self assessment conducted by NPD was designed to review the development and implementation of the project and quality controls and determine their adequacy and effectiveness.

The scope of this assessment included a review of NPD procedures, instructions, processes and work management controls being developed and implemented in support of the COLA development work. The self assessment was conducted utilizing a combination of project document reviews and personnel interviews. Field observations were not incorporated into this self assessment due to the initial focus on verifying the development and implementation of project controls. This self assessment did not include any outside industry peers and therefore no benchmarking opportunities were incorporated into this self assessment.

The self assessment team was able to satisfy the primary objectives by verifying that:: NPD had implemented effective controls and programs to support the scope of the project work; that project personnel understood and were able to effectively utilize these controls and programs in the conduct of their work; that the project deliverables were being properly stored and managed in accordance with these controls; and that appropriate work management tools were being applied to managed the project work.

Performance Standards and Criteria:

- Project Plan For New Nuclear Baseload Generation – Rev 0 COL Phase
- NGGM-PM-0018 - Project Management
- CAP-NGGC-0200 – Corrective Action Program
- CAP-NGGC-0201 – Self Assessment & Benchmark Programs
- RDC-NGGC-0001 – NGG Standard Records Management Program
- RDC-NGGC-0002 – Document Control Program

Summary:

Redacted

PAGES 3, 4, 5, 6 & 7
REDACTED

Janus, Michael	QA Program Lead – NPD
Kitchen, Bob	Manager, Nuclear Plant Licensing NPD
Knott, Ron	Lead Civil/Geological Engineer – NPD
Lopez, Daniel	Senior Work Management Specialist - NPD
Miller, Garry	Manger, Nuclear Plant Engineering – NPD
Morais, Susan	Senior Financial Business Analyst
Nevill, Jim	Site Location and Borings Contractor - NPD
Riggs, Barbara	Business Financial Analyst
Shilling, Stan	Lead Electrical Engineer – NPD
Singh, A. K.	JVT Project Manger – Sargent & Lundy
Sloan, Cheryl	Senior Document Control Specialist – NPD
Snead, Paul	Lead Environmental Specialist – NPD
Thomas, Chase	Senior Mechanical Engineer – NPD
Waters, Dave	Senior Licensing Engineer – NPD

References:

Corporate Procedures and Manuals

ADM-NGGC-0201, Nuclear Task Management
CAP-NGGC-0200, Corrective Action Program
CAP- NGGC-0201, Self Assessment and Benchmark Programs
EGR-NGGC-0003, Design Review Requirements
EGR- NGGC-0004, Outsource Engineering Services
EGR- NGGC-0008, Engineering Program
EGR-NGGC-0017, Preparation and Control of Design Analyses and Calculations
EGR-NGGC-0020, Preparation and Control of Specifications
EGR-NGGC-0021, Nuclear Generation Groups Common Conduct of Engineering Operations
MCP-NGGC-0001 NGG Contract Initiation, Development and Administration
MCP-NGGC-0002 Purchasing of Material for NGG
NGGM-PM-0007 Quality Assurance Program Manual
NGGM-PM-0017 NGG Document Hierarchy
NGGM-PM-0018 Project Management
NGGM-PM-0022 NGG Risk Management Program
NGGS-PRO-0001 NGGS Procedure Review and Approval Process
PRO-NGGC-0200 Procedure Use and Adherence
PRO-NGGC-0201 NGG Standard Procedure Writer's Guide
PRO-NGGC-0203 Development and Approval of NGG Directives, Program Manuals, and Interface Agreements

PRO-NGGC-0204 Procedure Review and Approval
RDC-NGGC-0001 NGG Standard Records Management Program
RDC-NGGC-0002 Document Control Program
SAF-SUBS-0041 Contractor Safety
TRN-NGGC-0502 Use and Administration of Passport Personnel Qualification Data (PQD) and the Peoplesoft Training Module

Other Documents

10 CFR 50
10 CFR 52
ARs: 198290, 198451, 198452, 198455, 198457, 199115, 199119, 199131, 206282, 210387, 210515, 210523, 210524, 211086, 211628, 213195, 213825, 216512, 216513, 216514, 216516, 216518, 216519, 216520, 216521, 216522, 216523, 216525, 216526, 216527, 216528, 216529,216531, 216533, 216534, 216536, 219440, 219537, 219743, 222312, and 222314
NNP-PD-02, New Nuclear Plant Process Document for Document Retention Policy Rev 0
NPD-PD-01, Nuclear Plant Development Process Document for COLA Reviews and Affirmations Rev 2
NPD Project Schedule
Personnel Qualifications contained within PQD - various

CONFIDENTIAL

New Plant Development and Licensing Renewal

February 2007 Monthly Status Report

Issued:

General Manager NPD&LR:

Tim Cleary

Progress Energy

People. Performance. Excellence.

NGG

Progress Energy Business Proprietary and Confidential

New Plant Development and Licensing Renewal 2007 Project Monthly Status Report

CONFIDENTIAL

February

Executive Summary:

- Safety - Hunting privileges have been cancelled on Levy County Site. REDACTED . No other safety issues to report in February.

Redacted

Cost – Combined Construction and Operating License Application (COLA) project is under budget in February. Key drivers are timing of Joint Venture Team (JVT) and Phase 1A work. A revision to the COL Business Analysis Package will be completed after purchase price of Lybass property is finalized. Preparations are underway to obtain approval to proceed with a new phase of the project related to procurement activities for long lead equipment and site specific work not related to COLA.

- Schedule –

REDACTED

  - LNP - The current COLA submittal date for Levy Nuclear Plant is August 28, 2008. The project is 18% complete. Fieldwork progress has been hampered by heavy rains. Discussions were held at the quarterly meeting with Joint Venture Team to put plans in place to improve the COLA submittal date to 7/31/08. COLA must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits

- Engineering Procurement Construction (EPC) – Westinghouse is still in process of reviewing Progress Energy Comments from December 2006.

- Key Issues to Finalize – No items identified for February.

Attachment 1

NPD Annunciator Panel

As of 2/28/07

CONFIDENTIAL

JVT Earned Value Metrics

**PEF metrics can not yet be determined.*

Cost Performance Index (CPI)	PEC Schedule Performance Index (SPI)

Project Cost Performance

***In future years, indicators will reflect cost comparisons to both Authorized and to Budget.*

Currently applying concept that if the costs are UNDER then the indicator is green regardless of how large the variance. This is different than described in proposed KPI table.

YTD Authorized** vs YTD Actual Cost	Yr End Authorized** vs Year End Projection
COLA BAP Phase Authorized** vs Phase End Projection	COLA BAP Total Authorized** vs Projected COLA BAP

Integrated Schedule Adherence

Major Milestone Achievement

CONFIDENTIAL

Project Controls – Lewis Spragins

Budget

Year to date budget for NPD&LR is Redacted favorable due to timing of JVT and Phase 1A work.

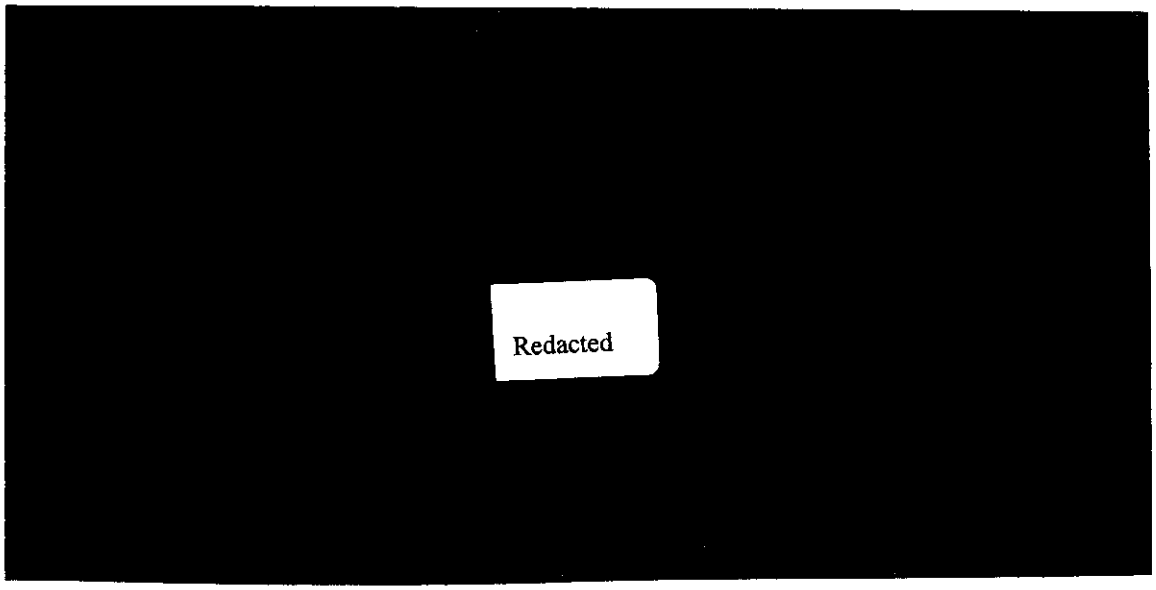
REDACTED

Project	2007 Annual Budget	2007 YE Projection	2007 YTD Actual	Project to Date Spend	Total Project Cost	Total Project Cost Status
REDACTED						
COLA – PEF			Redacted			Yellow*
		REDACTED				

*BAP revision to be completed

[redacted]

Redacted



Contracts ($100k and over)

Progress Energy Florida (PEF):

Vendor	Committed	Spent	Remaining
Duncan Company (Land)	Redacted	Redacted	Redacted
Enercon (Nevill)			
Joint Venture Team (COLA)			
Rayonier Site (Land)			
Sargent & Lundy (Estimating)			
Shaw Stone and Webster Ph 1A Quickstart			

REDACTED

* Contract charts to be developed once monthly cash flow update process from JVT and other vendors is determined.

Project Control/Monitoring

- Schedule

REDACTED

  - Progress Energy Florida – Overall COLA project is 18% complete including field work. The SPI and CPI is 1.00 is 1.05 respectively. The overall project is on schedule, but field work was impacted by heavy rains and poor drainage conditions. Approximately 2400' of drilling completed in February verses a plan of approximately 3600'. Remediation to improve drilling equipment access to the boring location is being implemented. Additional rigs are being mobilized to makeup the schedule.
- Project Change Control
  - A revision to the Business Analysis Package approved for COLA Development will be completed after purchase price of Lybass property is finalized. Preparations are underway to obtain approval to proceed with a new phase of the project related to procurement activities for long lead equipment and site specific work not related to COLA.

REDACTED

  - Progress Energy Florida – As of March 12th, Impact Evaluation 40, environmental scope for locating the intake and blowdown structures, is pending approval ( ). WA Revision to incorporate approved impact evaluations is in progress.

Redacted

REDACTED

-
-
-
-

REDACTED

- Progress Energy Florida Potential Scope Changes Discussed
  - Environmental impact assessment of fresh water, makeup and blow down.
  - Conceptual Design of Raw Water System (fresh-water, makeup, & blow down).
  - Alternate approach to compensate for late meteorological data.
  - Conceptual Design of road & rail access to the site.
  - Conceptual Design of site drainage and grading.
  - CH2M support for site rezoning permit application.
  - Wetland drilling permit exemption authorization may require use of swamp mats and sandbags.

Organization Staffing

- Project Controls - The 2006 annual reviews and 2007 goal setting are complete for Project controls and have been delivered to the staff. For the Section there are a couple of reviews that remain to be completed.

Current Risk Management Items Identified as High Risk

- The proposed Levy site in Florida has a historical maximum wetbulb temperature that exceeds the AP100 DCD Revision 15value assumed in various plant system analyses.

REDACTED

Note: These items above have been reviewed and validated by Garry Miller

Challenges

- The most challenging opportunity for Project Controls will be implementing the various processes for all the major project controls functions.

Self Evaluation

- Support the self assessment of NPD&LR Governance and Controls effectiveness.
- Support prudence assurance functions in development of a project specific assurance plan that integrates into the NPD&LR project plan.
- Work with NPD&LR Management to establish membership and format for quarterly NPD&LR oversight committee.
- Support ongoing 2007 Internal Audit of NPD&LR.

Engineering – Garry Miller

Safety

- Hunting will continue at the Levy County site through mid-March. Hunters have parked their vehicles on the access roads on occasion, which hindered access to the site drilling locations. On January 15th, a juvenile hunter pointed what appeared to be a loaded shot gun at a JVT person accessing the site. Progress Energy contacted Rayonier to notify the hunting club of the situation and has posted a map of the fieldwork area to alert hunters.

AP 1000 Design

- Dealing with Appendix I control room dose issue that appears to affect the majority of AP1000 sites. Westinghouse has asked for Worley support.
- Ongoing AP1000 Builders Group Actions on
  - TSC Location (PGN will use location described in DCD)
  - Fast bus transfer options on loss of main transformers
  - TOSHIBA turbine/generator option
- AP1000 security physical enhancements
- Department of Energy funding issue for Westinghouse design finalization (via NuStart)

Site Engineering/Layout

Levy

- Geotechnical field activities continue – final location of power plant islands still subject to change based on results. Westinghouse and Shaw Stone & Webster prefer parallel orientation. Waiting on Army Corps of Engineering to approve wetlands exemption.
- Phase 1A Work Authorization (WA) for Shaw Stone &Webster in final PGN routing with work to start shortly (refer to WA task plans for details)
- Preliminary heat rejection analysis in– suggests mechanical towers is best option for "hottest year", "average year", "over 40 years", and also "over 60 years". Report will be finalized and is an input to the Levy site layout.
- Final site engineering for make-up/blowdown conveyances and heavy load path affected by land issues (both private and State of Florida)

REDACTED

Land

- Progress Energy exercised its right to extend contingency period and made the 2nd due diligence earnest money deposit on Feb 14th (by wire transfer). Remaining dates are as follows:
  - 2nd Earnest Money Deposit (+90 days) – Feb 16th
  - 3rd Earnest Money Deposit (+180 days) – May 17th
  - Contingency Period Ends (+270 days) – Aug 15th
  - Closing (+300 days) – Sept 14th
- Hunting privileges have been cancelled
- Survey activities continue by Heidt Assoc. Contract requires completion by April 30th. Noted issue with existing Highway 19 road access.
- Negotiations continue with Lybass on potential corridors and right-of-ways.

Organization Staffing

- Current vacancies include:
  - Lead Engr (Mechanical NSSS)
  - Sr Engr (Instrument &Controls)
  - Sr Engr (Procurement)
  - Sr Tech Support Spec (Construction Planning)
- Need to consider re-structuring positions and then post
- On-going contracted support by Enercon (Jim Nevill)

Challenges

- Negotiations with Shaw Stone and Webster to develop the initial Work Authorization for Phase 1A work
- Continued industry resolution of seismic hi-frequency exceedances
- Potential late security retro-fits to AP1000 design
- Non-uniformity of drilling in results at Levy could require additional borings (potential scope increase)
- Wetlands protection from drilling activities required at Levy (scope increase)
- Land negotiations and associated affect on site engineering decisions

Self Evaluation

- Quality issue with Levy Geotechnical Work Plan wetlands delineation and Aquifer Plan monitoring wells delineation – both documents were corrected and revisions issued.
- Audit by PGN planned week of Feb 19th at JVT in Chicago
- Audit of JVT field activities at Levy site planned for week of Mar 19th
- NRC audit of Levy site field activities planned for March 26th & 27th

Licensing – Bob Kitchen

License Renewal

REDACTED

REDACTED

COLA

REDACTED

- Levy
  - COLA submittal date is 8/28/08.
    - Must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits
  - Public meeting with NRC targeted for April 2007
    - Need to be able to announce technology selection REDACTED
  - NRC geotechnical site visit scheduled for 3/26 & 3/27
- NuStart
  - Rev B (final draft section) documents are being issued but are significantly behind schedule
  - NRC – DCWG meeting planned for 3/22 & 3/23
  - DCD rev 16 to be submitted on 5/24/07
    - Deadline for design changes to be included is 3/31/07
    - Deadline for changes requiring Technical report is 5/1/07

Regulatory Actions

- **Emergency Preparedness**
  - EAL Guidelines (NEI 07-01) submitted to NRC
  - TSC – COLA will be developed based on current DCD design.
- Part 52 and RG 1.206 expected to be issued in June
  - Aircraft crash to remain as beyond design basis
- Disagreement between industry and NRC re construction FFD requirements
  - NRC wants full FFD program
  - Industry wants program limited in scope

Organization Staffing

- Fully Staffed
- Transition plan being developed for License Renewal
- Need to assess when to establish independent QA organization

Challenges

REDACTED

2. LNP COLA date is currently 8/28/08. Need to review schedule logic with JVT and try to improve
3. Rev B completion – NuStart. We are using Rev B sections as soon as our comments are addressed. Plan to reconcile with changes when Rev B sections issued and at Chapter level

REDACTED

Self Evaluation

- QA assessment
  - S&L completed week of 2/19 – Report development in progress (Mike Janus, Stan Shilling and David Waters)
  - CH2 week of 3/5 (Mike Janus and Paul Snead)
- Compliance inspection of LNP field activities will be performed in mid-March (Mike Janus).
  - Complete prior to NRC visit on 3/26 & 3/27

CONFIDENTIAL

New Plant Development and Licensing Renewal

June 2007 Monthly Status Report

Issued: July 26, 2007:

General Manager NPD&LR: 7/26/07

Garry D. Miller

Progress Energy

People. Performance. Excellence.

NGG

Progress Energy Business Proprietary and Confidential

Executive Summary:

[1] CONFIDENTIAL

- Safety –
  - o JVT – No health and safety issues identified in June
  - o Shaw safety information was not available (no accidents or incidents reported).

Redacted

Cost – Combined Construction and Operating License Application (COLA) project is under budget through June. Key drivers are timing of Joint Venture Team (JVT) COLA preparation, Shaw Phase 1A work, and the land purchase. A revision to the COLA Business Analysis Package will be completed after land requirements are determined. Rayonier site purchase commitment is on target for August 2007.

- Schedule –

REDACTED

  - o LNP - The project is 41% complete. All 90 boreholes in the plant area are complete. The current COLA submittal date for Levy Nuclear Plant is August 22, 2008. Joint Venture Team will implement shorter durations and schedule logic changes to improve the targeted COLA submittal date to 7/31/08. COLA must be filed with the NRC by 12/31/08 to be eligible for Production Tax Credits.

- Engineering Procurement Construction (EPC) – EPC negotiations with Westinghouse were held in Raleigh on June 11-12.

- Key Issues to Finalize –
  - o Progress Energy lifted the CH2M Hill stop work order on 5/1/07. All deliverables will be subject to interim compensatory measures in the recovery plan.
  - o NRC Audit of JV Cola activities is planned for July 2007.

- Self Assessment -
  NPD&LR continuing to address action items from self assessment.

CONFIDENTIAL

Project Controls – Lewis Spragins

Budget

Year to date NPD COLA is favorable to budget primarily due to the timing of Phase 1A work ( ), JVT ( ), and Shaw Stone & Webster COLA support ( ).

Redacted

Redacted

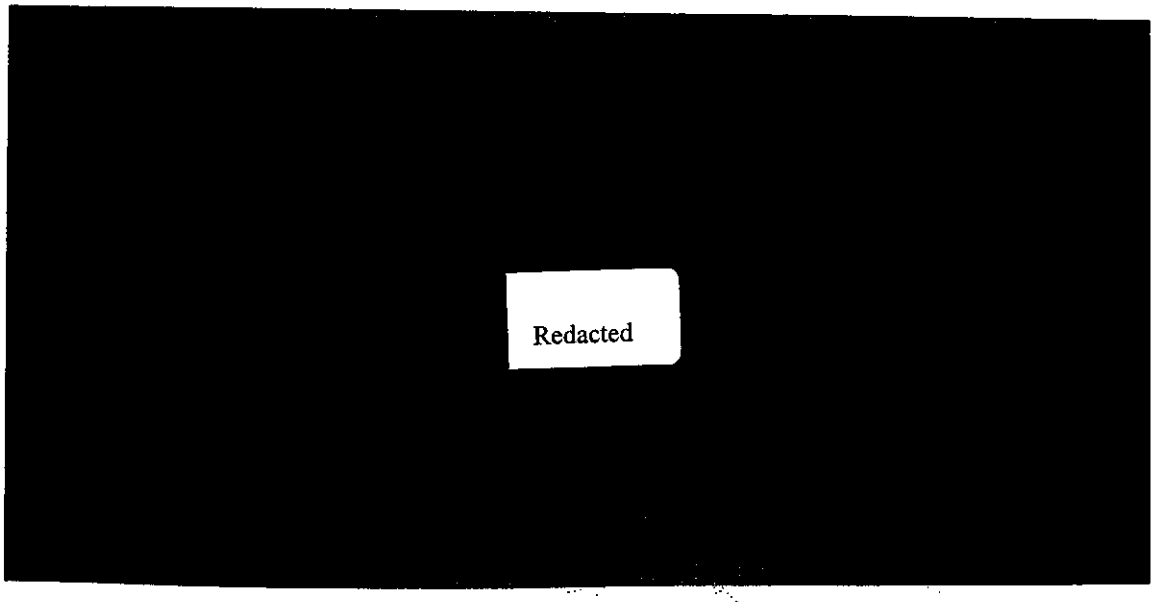
Year to date NPD LR is favorable to budget.

REDACTED

Project	2007 Annual Budget	2007 YE Projection	2007 YTD Actual	Project to Date Spend	Total Project Cost	Total Project Cost Status
COLA – PEF	REDACTED			Redacted		Yellow*

REDACTED

Redacted



Contracts ($100k and over)

Progress Energy Florida (PEF):

Vendor	Committed	Spent	Remaining
Enercon (Nevill)	Redacted	Redacted	Redacted
Joint Venture Team (COLA)*			
Rayonier Site (Land)			
Sargent & Lundy (Estimating)			
Shaw Stone & Webster LNP Ph1A			
Duncan (Legal)			

*Amendment pending for for incorporating impact evaluations. Once approved new committed amount is

Redacted

REDACTED

Project Control/Monitoring

CONFIDENTIAL

- **Schedule & Cost**
  - o

REDACTED

- o Progress Energy Florida:
  - Overall COLA project is 41% complete including field work. The SPI and CPI is 0.90 & 1.06 respectively. Task 10 for conceptual designs not in FSAR has not started due site arrangements not being finalized. Task 4 is also behind schedule. All 90 boreholes in the plant area were completed 6/7/2007. Supplementary borings authorized to date and make-up water pumphouse were completed on 7/3/07. Borings for CWS cooling towers are awaiting finalization of their location. JW will implement shorter task durations and schedule logic changes to improve targeted COLA submittal from 8/22/08 to 7/31/08.
  - Shaw Quick Start work on Tasks 1-5 and 9 were completed within the schedule approved per the work authorization. Work was also completed for less than the $528k approved in the WA. This was primarily due to efficiencies gained from preceding project experience. A second work authorization was released on June 19th for Levy Phase 1A. The approved amount is with work scheduled to be completed by October 5th.

Redacted

- **Project Change Control**

A revision to the Business Analysis Package approved for COLA Development will be completed after negotiations for Lybass property are finalized. Preparations and reviews are ongoing to seek approval to proceed with a new phase of the project related to procurement activities and site specific work not related to COLA.

REDACTED

Redacted

- Progress Energy Florida – As of June 30th, impact evaluations #50-#52 and #55 - #63 are pending approval with an estimate of . Other Progress Energy Florida potential scope changes include:
  - Conceptual design of fresh (raw) water system and potable water
  - Environmental impact of fresh (raw) water system and CWS make-up system and blowdown system
  - NRC SRP revision on Tsunami
  - Approach to speed up COLA submittal

Organization Staffing

- Project Controls – Fully staffed. A contract document management position has been posted.

Current Risk Management Items Identified as High Risk

Identified high risk items are as follows:

- Selection to secure a capable COLA preparer is a critical link to licensing new nuclear plants and meeting the company's need to deliver quality COLAs for Harris and Levy within the required schedule at a reasonable cost.
- New security regulations may affect the plant design, security strategy, and the overall security plan. Security Assessment Guidelines, which are due by the NRC on February 17, 2007, will affect the Security Plan and may necessitate Plan revision.

- Continuing delays of completion of the DG-1145 sections could have impact on schedule if final regulatory guide is issued just before 6 month cutoff before docketing of the COL application. The potential exists that the revised SRP acceptance criteria and the guidance of associated section of DG-1145 will not be consistent.
- Impacts on the transmission system from new nuclear may be either positive or negative, depending on perspective. Additional lines at existing nuclear facilities provide grid stability and LOSP redundancy. These same lines may be viewed negatively due to environmental issues associated with routing, aesthetic concerns, land use. Line construction may also provide better access to strategic loads.
- REDACTED
- Total plant cost; including vendor and owner supplied scopes, site specific logistic and cost support, staffing, and project execution risk.
- Ability of NuStart, its vendors, and utilities to deliver the reference plant COLA deliverables to support PGN schedule.
- Increasing global demand for new reactors will challenge the capacity of suppliers to meet the manufacturing demand. (This is is from a 1/13/2006 presentation to mgmt as part of RX technology evaluation.)

REDACTED

- Florida Siting Temperature Issues
- Levy Plant rezoning uncertainty that is required for input into Site Certification Application.
- Inability to establish EPC contract beneficial to PE in terms of cost, schedule, and plant operating performance.
- The ability to obtain and retain sufficient qualified project management and skilled construction workforce to complete the project on cost and schedule.
- New requirements in NRC rules or processes could require last minute changes to designs or COLAs that delay submittals.
- Uncertainty associated with establishing a timely, accurate and comprehensive process to track and report construction activity accomplishment.

Challenges

- The most important challenge for Project Controls is to continue to implement processes for the key major project controls functions.
- Complete implement plan to support electronic submittal and Administrative Review of COLA.

CONFIDENTIAL

Self Evaluation

- Support prudence assurance functions in development of a project specific assurance plan that integrates into the NPD&LR project plan.
- Support ongoing 2007 Internal Audit of NPD&LR.
- Support assessment of Florida Nuclear Plant Construction Project Controls processes as requested.

NCR's Initiated in June 2007

- 235358 – It is not clear how the requirements in EGR-NGGC-0020 and EGR-NGGC-0017 are applied to documents being developed by the vendor for COLA.
- 237451 – Route list was left off AR assignments which are in violation of CAP-NGGC-0200.
- 237893 – Reopened 3 AR assignments because attachment 3 was not fully completed. The unit evaluator and user are new to CAP Program and are in training.

CONFIDENTIAL

Engineering – Garry Miller

Safety

- No injuries or safety issues have occurred or been identified at the Levy site.

REDACTED

AP 1000 Design

- The Appendix I control room dose issue that appeared to affect the majority of AP1000 sites (either control room dose or EAB distance) is under resolution. DCD revision 16 changes have been issued to address this fleet issue.
- AP1000 physical changes have been identified by DCD revision 16 to deal with security tactical needs, increased radioactive wastewater hold-up capacity, increased office space needs, and relocation of the MG sets, and control room layout changes. The effect of the changes is that the AP1000 Radwaste building, Annex building, and Turbine building were all physically extended.

Site Engineering/Layout

Levy

- Geotechnical field activities continue at Levy, but are nearing completion by mid July 2007. The final location of AP1000 power plant islands has been confirmed based on acceptable boring results under the footprint of the plant. Wetland exemption was received from Army Corps of Engineering to permit boring in the affected wetlands.
- FL DEP has granted permission to perform borings at the proposed intake location on the barge canal. This will occur beginning the week of June 25th.
- Phase 1A Work Authorization (WA) for Shaw Stone &Webster has been authorized and work has been initiated. Conceptual engineering on the overall site layout and excavation/backfill approach are in progress.
- Conceptual site engineering for make-up/blowdown conveyances and heavy load path affected by land issues (both private and State of Florida) are in progress.

REDACTED

Land

- Progress Energy exercised its right to extend contingency period and made the 3rd due diligence earnest money deposit before May 17th (by wire transfer). Remaining dates are as follows:
  - 2nd Earnest Money Deposit (+90 days) – Feb 16th **(complete)**
  - 3rd Earnest Money Deposit (+180 days) – May 17th **(complete)**
  - Contingency Period Ends (+270 days) – Aug 15th
  - Closing (+300 days) – Sept 14th
- Hunting privileges have been cancelled.
- Survey activities have been completed by Heidt Assoc.
- The identification of a permanent easement for timber management access to the adjacent eastern property is in progress. This is needed to close on the property.
- Negotiations continue with adjacent property owners on potential corridors and right-of-ways.

Organization Staffing

- Current vacancies include:
  - Sr Engr (Instrument &Controls) - Job posted and recruitment is in progress
  - Sr Engr (Electrical) - Job posted and recruitment is in progress
  - Sr Engr (Procurement)
  - Sr Tech Support Spec (Construction Planning)
- Discussions are ongoing associated with re-targeting the vacant positions
- On-going contracted support by Enercon (Jim Nevill)

Challenges

- Continued industry resolution of seismic hi-frequency exceedances
- Non-uniformity of drilling in results at Levy could require additional borings (potential scope increase). This issue is currently under discussion with WEC.
- Land negotiations and associated affect on site engineering decisions

Self Evaluation

- PGN audit of JVT field activities at Levy site occurred during the week of March 19th with no significant findings
- NRC audit of Levy site field activities occurred during the week of March 26th & 27th with no significant findings.

CONFIDENTIAL

Licensing – Bob Kitchen

License Renewal

REDACTED

COLA

REDACTED

- **Levy**
  - COLA submittal date is 8/28/08.
    - Must be accepted by the NRC on 12/31/08 to be eligible for Production Tax Credits
  - NRC Pre-Application visit planned for 8/19/07
  - Expect that LWA will be desired to support soil remediation (backfill) prior to COL.
- **NuStart**
  - Reference plant COLA submittal scheduled for 10/30/07
  - Developing process for configuration control/change management of DCD/COLA

CONFIDENTIAL

Regulatory Actions

- Emergency Preparedness
  - TSC – COLA will be developed based on current DCD design
- Part 52 expected to be issued in August (RG 1.206 has been issued)
  - Aircraft crash to remain as beyond design basis
- Access Authorization & FFD to be issued by July 2008

Organization Staffing

- Fully Staffed
- Transition plan being developed for License Renewal

Challenges

REDACTED

2. Offsite electrical power licensing requirements for passive plants not resolved. Meeting with NRC to review GDC requirements being scheduled.
3. Site specific ITAAC to address soil remediation will be required by NRC
4. LNP COLA date is currently 8/28/08. Need to review schedule logic with JVT

REDACTED

Self Evaluation

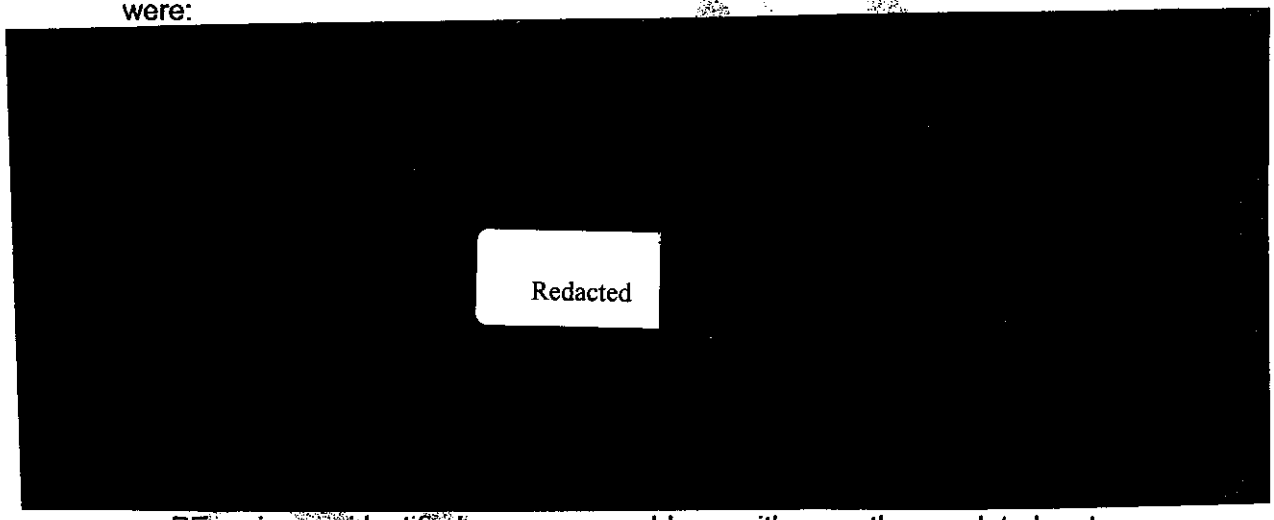
- QA assessment
  - CH2MHILL QA hold released on 5/1/07. Followup assessment planned in September
  - NRC QA review of Harris COLA planned in mid-October

- Reviews planned for COLA development
  - Peer reviews of Emergency Plan, Security Plan and Environmental
  - COLA review includes technical, licensing and administrative review
  - Integrated review includes Corporate Reg Affairs and NPD

NPD Quality Assurance Activities

CH2M Hill Stop Work Recovery Plan

- Progress Energy Audit of CH2M Hill conducted – March 5 -8, 2007
- Stop Work Order verbally issued by audit team - March 8, 2007
- Stop work Order issued in writing – March 12, 2007
- Stop work Order Lifted by PE – May 1, 2007
  - Stop work lifted based on PE's review and acceptance of CH2M Hill recovery Plan and Corrective actions including revisions to: Corporate QA Manual; QA Implementing Procedures; Project Quality Plan; Project Instructions; and retraining of Project personnel.
- CH2M Hill Compensatory Measures documented in rev. 1 of Recovery Plan were:



  - PE reviewers identified numerous problems with recently completed and submitted CH2M Hill deliverables.
  - Progress Energy management concerns with CH2M Hill revised actions and performance discussed during JVT Quarterly Meeting – June 20, 2007.

NRC QA Audit

- Tentatively scheduled for week of July 16-20, 2007
- Based on audit results at South Texas, NRC issued 4 questions to potential COL applicants to determine readiness for conduct of audit.
- PE / JVT supplied responses to NRC questions on June 13, 2007.
- NRC Audit of NUSTART – Bellefonte being changed from June 25-29 to July 31- August 3, 2007.
- Once details are determined from NRC, resource and planning meetings with JVT will be conducted.

CONFIDENTIAL

Nuclear Plant Development QA Plan

- Quality Assurance Plan for Nuclear Plant Development and Construction Activities will be contained in NGG Program Manual approved by Scotty Hinnant.
- NGGM-PM-0030, Quality Assurance Plan for New Nuclear Plant Development and Construction Activities, Revision 0 issued and effective June 25, 2007.
- NGGM-PM-0030 formally documents existing business philosophy to use existing NGGC procedures and processes to implement Appendix B for new plant activities.

Upcoming QA Audit Activities

- Vendor Audit Plans being developed to support:
  - Re-Audit of CH2M Hill – Early August 2007
  - Audit of Worley Parsons - Late August 2007
  - Audit of Sargent and Lundy - Mid September 2007
- PES Audit of NPD – November 5 – 9, 2007

Attachment 1

NPD Annunciator Panel

CONFIDENTIAL

As of 5/31/07

JVT Earned Value Metrics

Cost Performance Index (CPI)	PEC Schedule Performance Index (SPI)

Project Cost Performance

YTD Authorized** vs YTD Actual Cost	Yr End Authorized** vs Year End Projection

***In future years, indicators will reflect cost comparisons to both Authorized and to Budget. Currently applying concept that if the costs are UNDER then the indicator is green regardless of how large the variance. This is different than described in proposed KPI table.*

COLA BAP Phase Authorized** vs Phase End Projection	COLA BAP Total Authorized** vs Projected COLA BAP

Integrated Schedule Adherence

Major Milestone Achievement

On Target In Jeopardy Off Target Not Statused

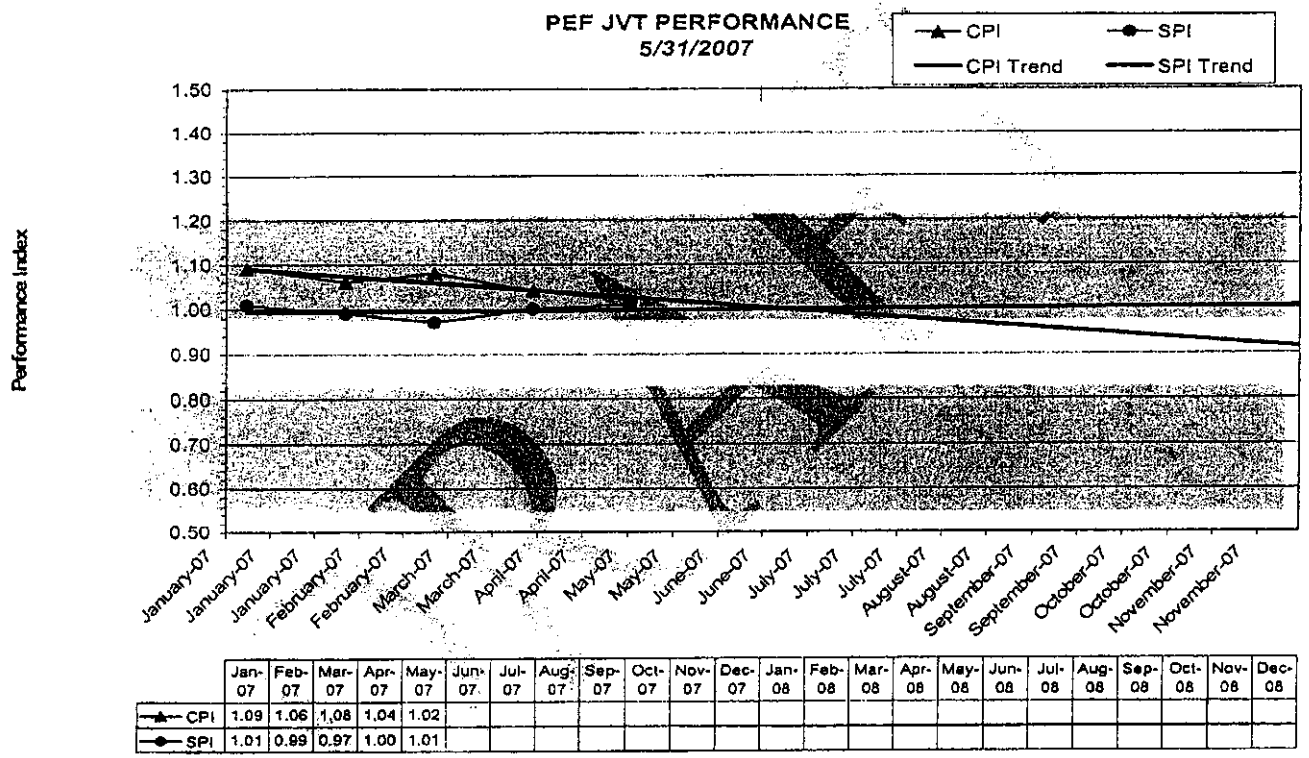
Att achment 1

[redacted]

REDACTED

CONFIDENTIAL

Attachment



	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
CPI	1.09	1.06	1.08	1.04	1.02																			
SPI	1.01	0.99	0.97	1.00	1.01																			

3

CONFIDENTIAL

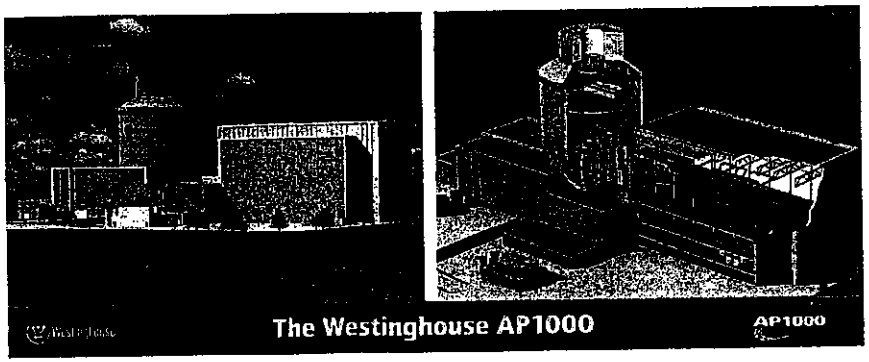
CONFIDENTIAL

New Nuclear Plant Development

AP1000

CNO Briefing

June 26th, 2006



Progress Energy

Topics

CONFIDENTIAL

- NuStart Update
- Project Cost & Budget Performance
  - Summary Level
  - Joint Venture Team
- PGN Schedule Performance

REDACTED

  - Florida
- REDACTED and PEF SRT 90-Day Reports
- Organization
- Concerns

Progress Energy

CONFIDENTIAL

NuStart Energy℠

NuStart Update

- **Standardization Issues resolved**
  - Protocols for reviews being established
- **Westinghouse Topical Reports being submitted to resolve design changes and DCD open items**
- **New "AP1000 Design Steering Committee"**
- **Challenges**
  - **Enercon quality of products**
  - **NuStart Cash Flow**
  - **New Members --- Added complexity of interactions**

Progress Energy

CONFIDENTIAL

PGN Cost & Budget Performance

Summary

- **3-Phase/BAP #1 Authorized $** Redacted
  - $ Redacted for Florida Land Acquisition
  - $ Redacted for COLA Development
- **COLA Activities Under-budget**
  - Westinghouse charges are lower (originally estimated at $ Redacted per site per year)
  - Labor - permanent staffing not in place yet
  - JVT COLA project costs on target
- **Florida Land Acquisition**
  - Best case is likely ~ $ Redacted
- **Development of BAP # 2 for Long Lead Items**
  - Targeted 3rd quarter 2006

Progress Energy

CONFIDENTIAL

PGN Cost & Budget Performance

Joint Venture Team (JVT) Contract

- June 12th Project Review Meeting Topics:
  - Project Quality
  - On-site Work Health and Safety issues
  - Project Organization Updates
  - Team work / Communications / Accountability
  - Florida Site COLA status and preparations

REDACTED

  - Project Work and Communication Processes Improvements

Progress Energy

CONFIDENTIAL

PGN Cost & Budget Performance

Joint Venture Team (JVT) Contract

- **S&L / Worley Parsons / CH2M Hill Master Contract**
  - WA # 1 ($ Redacted) - REDACTED & Common COLA Sections
    - 12 CWOs in place
  - WA # 2 ($ Redacted) - Florida Specific
- **CWOs are being reconciled for NuStart reference plant COLA approach**
  - Not significant cost difference
- **Worley Parson NUPIC finding on QA**
- **Potential new scope - NRC expectations of site specific conceptual design detail**

PGN Cost & Budget Performance

Westinghouse Contracts

- **Memorandum of Understanding (MOU) status**
- **EPC Contract Development**
  - Draft Terms & Conditions (T&C) received June 15th
  - Review underway by Contracts and Legal
- **Westinghouse Meeting – July 11th**
  - Design Finalization
  - Construction Planning
  - NRC Interface
  - Westinghouse Staffing
  - Long Lead Equipment Procurement Strategy
  - Toshiba transition
- **Westinghouse establishing "AP1000 Builders Group"**

REDACTED

REDACTED

REDACTED

Nuclear Plant Development & Licensing Renewal

CONFIDENTIAL

Garry Miller *(Acting)*
GM - Nuclear Plant Development & License Renewal

- **Betsy Cox**
  Admin Assistant I
- Corp Communications
- Contract Services (**Tony Owen**)

Garry Miller
Mgr- Nuclear Plant Engineering

- **Stan Shilling**
  Lead Engr (Electrical)
- **Ron Knott**
  Lead Engr (Civil / Geological)
- ***Jim Neville***
  Contractor – Siting / Boring
- **VACANT - Lead Engr**
  (# 53781 -Mech NSSS)
- **VACANT - Sr Engr**
  (# 53785 - I&C Design)
- **VACANT - Sr Engr**
  (# 58701 - Mech BOP)
- **VACANT - Lead IT Analyst** (# 53786 - Digital Systems)

- **VACANT - Sr Tech Support Spec**
  Construction Planning
- **VACANT - Sr Engr**
  Procurement/Component
- **Sargent & Lundy JVT Engineering Interface**
- **Westinghouse AP1000 Engineering Interface**
- Transmission (**Bob Pitts**)
- Nuclear Fuel (**Matthew Adler**)
- PSA (**Scott Brinkman**)
- Sr IT Analyst

Bob Kitchen
Mgr - Nuclear Plant Licensing

- **Roger Stevens**
  Supv – License Renewal
- **Mike Heath**
  Supv – License Renewal
- **Cristina Ionescu**
  Lead Engr (Licensing)
- **Paul Snead**
  Lead Environmental Specialist
- **VACANT - Sr Engr**
  (# 53789 - Licensing)
- **VACANT - Ops Program Lead – Nuc** (# 56461)
- **VACANT - QA Program Lead - Nuc** (# 54021)
- **Sargent & Lundy JVT Environmental & COLA Interface**
- Legal (**Dave Conley**)
- Corp Reg Affairs (**Bryan Miller**)

Emergency Planning
Contractor – **Teresa Gildersleeve**

Nuclear Security (TBD)

Lewis Spragins
Supv Project Controls

- **VACANT - Sr Nuclear Tech Project Mgmt Specialist** (# 55962)
- **VACANT - Sr Nuclear Work Mgmt Specialist** (# TBD)
- ***Sr Document Control Specialist*** (# 58741)
- **Data Management Assistant I** (# TBD)
- Financial & Accounting (**Suzanne Morais**)

June 24th, 2006

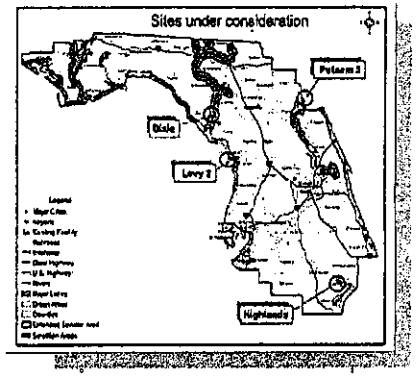
CONFIDENTIAL

Project Concerns

- **Regulatory Instability and Resolution**
  - Part 52, DG 1145 and SRPs
  - Security
  - Seismic PSHA
- **NuStart (Enercon) schedule execution and quality**
- **Florida Site Selection Completion**
- **PGN Recruiting / Staffing**

CONFIDENTIAL

Florida COLA Development Timeline
Highlands



Select Site

Project Mobilization
(QA, Work Plan, Schedule)
1 month

Develop Emergency Plan
14 months

Transmission Line & Grid Analysis
6 months

Switchyard Design, Write FSAR and ER
9 months

Maximum time to resolve SFWMD water issues & Finalize lake / intake design
7 months

Hydrology (Aerial Survey, PMF, Makeup and Discharge System Design, Write FSAR & ER)
15 months

Geology & Seismology (Site Investigations, PSHA, FSAR, Envirol Report)
17 months

Meteorology (Procure, Erect Tower, Collect Data, Write FSAR & ER)
21* months

Assemble & Review COLA
3 months

NRC Accept / Resubmit COLA
5 mos

J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D

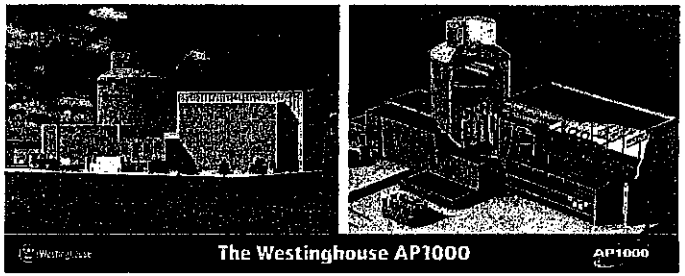
2006 2007 2008

*Met Tower - Includes 3 months for tower erection, 12 months data acquisition, and 6 months analysis

REDACTED **and PEF**

CONFIDENTIAL

90 – Day Reports (1 of 5)



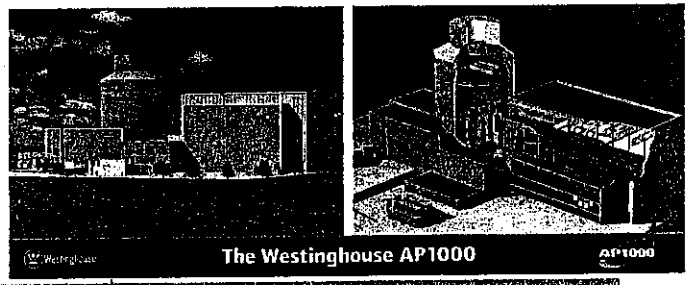
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
										REDACTED				
PEF Unit 1	Total $M			COL Engineering		Pre-Construction		Construction					Start-up	
PEF Unit 2	Total $M							Pre-Construction		Construction				Start-up

REDACTED

REDACTED and PEF

CONFIDENTIAL

90 – Day Reports (2 of 5)



	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
REDACTED														
PEF Unit 1	Total $M			COL Engineering			Pre-Construction			Construction			Start-up	
PEF Unit 2	Total $M							Pre-Construction			Construction			Start-up

REDACTED

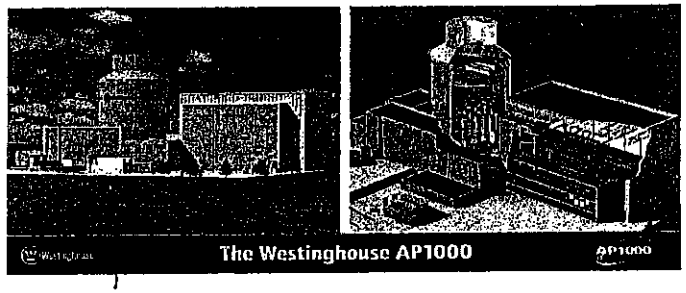
REDACTED

Progress Energy

REDACTED **and PEF**

CONFIDENTIAL

90 – Day Reports (3 of 5)



REDACTED

Redacted

Redacted

PEF Unit 1	Total $M
PEF Unit 2	Total $M

PEF New Unit 1

COL Prep & Submittal (BAP-1)
Owner Engineer Site AE (PEF 1&2)

Acquire Florida Land (PEF 1&2)

Long Lead Items (BAP-2)
- NSR Prefab Concrete Modules
- Rx, Rx head, SG, SG tubes, Rotor
  - Forge equipment
  - Finish equipment

Procurement Staff

Initial Core Fuel (BAP-XX)

Construction Activities (BAP-XX)
- EPC Eng Proc & Const Contract
- Site design/preparation/access
- Site buildings (PEF 1&2)
- Intake structure and piping
- CapX plant (basis $ 1740/kWe)
- Tranformers / Switchyard
- Transmission Grades
- Risk Insurance

Start-up

Additional Owners Cost
- Permits/NRC Inspection
- Const/start-up monitoring staff
- Construction Security
- Operations staff and training
- Gen Adm, materials & supplies
- Spare parts
- Insurance, taxes, INPO, NEI,

Total

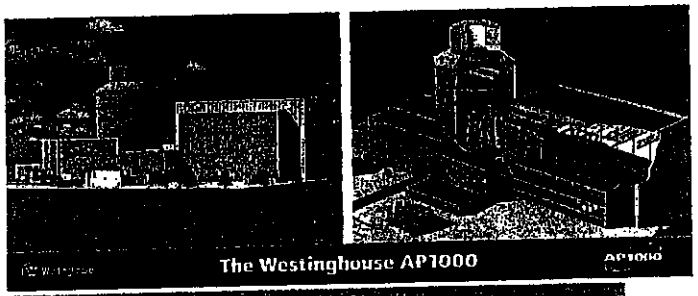
Redacted

Redacted

REDACTED **and PEF**

90 – Day Reports (4 of 5)

CONFIDENTIAL



REDACTED

Redacted

PEF Unit1

PEF Unit2

PEF Unit2

Long Lead Items (BAP-2)
- NSR Prefab Concrete Modules
- Rx, Rx head, SG, SG tubes, Rotor
  - Forge equipment
  - Finish equipment

Initial Core Fuel (BAP-XX)

Construction Activities (BAP-XX)
- Intake structure and piping
- CapX plant (basis $ 1464/kWe)
- Transformers/Switchyard
- Risk Insurance

Start-up

Additional Owners Cost
- Permits/NRC Inspection
- Const/start-up monitoring staff
- Construction Security
- Operations staff and training
- Gen Adm, materials & supplies
- Spare parts
- Insurance, taxes, INPO, NEI,

Total

Redacted

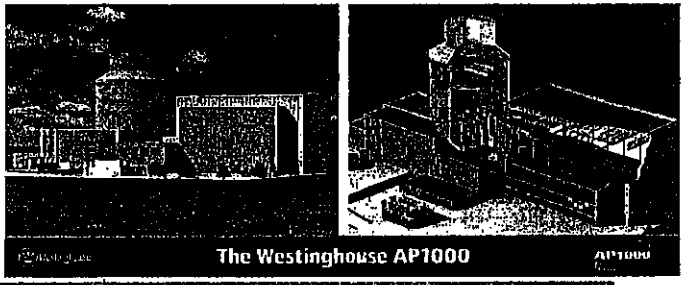
Redacted

REDACTED

and PEF

CONFIDENTIAL

90 – Day Reports (5 of 5)



REDACTED

Redacted

PEF Unit

PEF Units

Cash Flow Totals

REDACTED

PEF Units -Florida

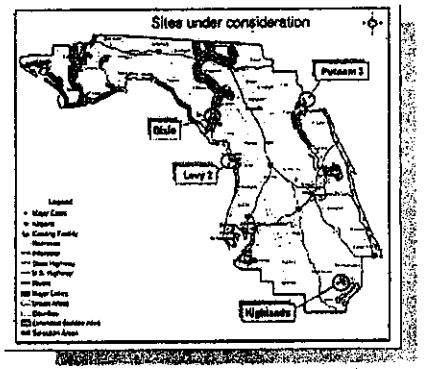
Total Cash Flow-4 units

Redacted

Progress Energy

[illegible] CONFIDENTIAL

Florida COLA Development Timeline



Select Site

Project Mobilization
(QA, Work Plan, Schedule)
1 month

Develop Emergency Plan
14 months

Transmission Line & Grid Analysis
6 months

Switchyard Design, Write FSAR and ER
9 months

Hydrology (Aerial Survey, RMP, Makeup and Discharge System Design, Write FSAR & ER)
15 months

Geology & Seismology (Site Investigations, PSHA, FSAR, Drill-out Report)
17 months

Meteorology (Precut / Erect Tower, Collect Data, Write FSAR & ER)
21* months

Assemble & Review COLA
3 months

NRC Accept / Docket COLA
5 mos

J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D

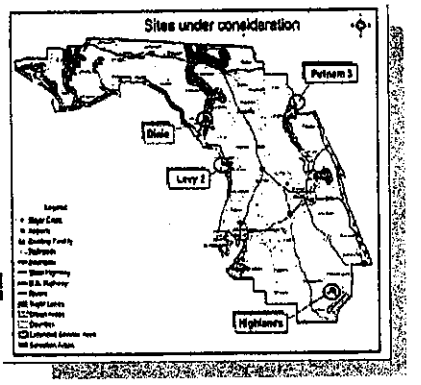
2006 2007 2008

*Met Tower - Includes 3 months for tower erection, 12 months data acquisition, and 6 months analysis

CONFIDENTIAL

PGN Schedule Performance

Florida COLA



- **Site Access Update**
- **Land Acquisition Cost**
  - Impact on Authorized BAP Amounts
- **Site Selection Decision Making**
  - Transmission Analysis – Report being finalized
  - Strategic Analysis – Essentially Compete
  - Technical Analysis – Pending site access
- **Schedule**
  - Critical Path analysis (next slides)
  - Community Interaction Approach

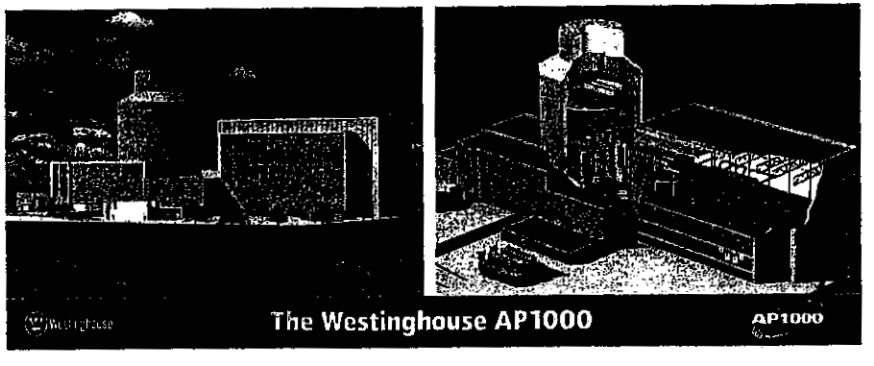
Progress Energy

CONFIDENTIAL

New Nuclear Plant Development

AP1000

CNO Briefing
July 20th, 2007



Progress Energy

CONFIDENTIAL

Topics

REDACTED

- Levy COLA Status
  - Land Issues
- Levy Site Certification
- Levy Site Conceptual Layout
- Business Analysis Package (BAP)
  - Total Plant Costs Analysis
- Organization and Division of Responsibility (DOR) Discussion

CONFIDENTIAL

REDACTED

Levy COLA Status

- Targeted for July 2008 and is on-track
  - Ground water monitoring in progress
  - Original scope of drilling at power blocks is complete, but added deep 500' holes to address Karst and shear wave velocity concern from NRC
- Land Issues
  - Decision to purchase by mid-August, closing by mid-September
  - No fatal flaws identified at this point
  - Meeting on 7/23 regarding closing issues
    - Permanent easement, target range remediation, survey, title search, etc.
  - Meeting on 7/24 regarding additional land needs in adjacent properties and associated PGN approach

Levy Site Certification

- Work Authorization (WA) for additional SCA scope (that is beyond COLA) by CH2M Hill in final approval
- PGN ESS (Patty West) has overall lead for the SC application
  - Weekly telecons established to oversee / project manage work additional SCA scope
- PGN ESS is contracting Golder for transmission routing
- Target date for SCA submittal is June 2008
  - Transmission routing is critical, approach involves public input of "alternative routes"
  - Need final decision on transmission upgrade technical approach
    - We are proceeding at risk based on most likely technical approach

CONFIDENTIAL

Levy Site Certification (continued)

- Levy Comprehensive Land Use Plan Amendments and Zoning Plan Amendments, followed by actual re-zoning of Levy site is needed for site certification process
  - Many public hearing venues where increasingly more details of the site conceptual design will be shared
  - Re-Zoning will show site development plan (i.e., site layout)
  - It is common to get questions by the various Planning Board members and County Commissioners, along with the questions from the audience, on unresolved technical issues/design features

Levy Site Conceptual Layout

- Progressing… need final resolution of mechanical cooling tower design and separation distance to power block
  - Power block, switchyard, cooling tower locations are established 1st, then reserved areas for permanent structures/facilities and construction facilities/features follow
- Time critical input to Levy Re-Zoning Request, Site Certification Application development, and COLA development
- Also time critical to EPC price certainty on site-specific portion of total plant costs (early portion of SS&W Phase 1 scope)
- Site layout must be a "comprehensive design" approach to facilitate wetland mitigation opportunities
  - *Certain features are contingent on acquiring adjacent property corridors/easements*

CONFIDENTIAL

Total Plant Costs for Levy

- Critical input to Certificate of Need application targeted for January 2008 submittal
- Detailed EXCEL Spreadsheet Analysis Developed
  - Used for BAP
  - Used for Certificate of Need Application
  - Shows traceability of information source
- WEC AP1000 standard plant cost portion expected in November 2007
  - PGN limited exposure to on-going WEC results as a result of not funding WEC Phase 1A
  - Will yield update to EXCEL total plant cost analysis

Total Plant Costs for Levy (continued)

- SS&W site-specific portion must be added
  - Originally viewed as SS&W Phase 1 work scope
  - Must follow conceptual site design and conceptual construction planning completed in SS&W Phase 1A
  - PGN is behind other AP1000 sites based on site selection/announcement date and actual start of SS&W Phase 1A work
    - Evaluating options to accelerate needed SS&W Phase 1A decisions
  - SS&W site-specific cost will supersede and replace S&L input to Total Plant Cost Analysis
    - S&L work provides comparison check

Additional Topics

- Business Analysis Package / Total Plant Cost Analysis
- Organization and Division of Responsibility (DOR)