

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.

Section: 01 Flare and associated structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

ET - Elevated Temperatures

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: B - Surface Rust

Priority: 3 - Wearout

Environment Exposure: E - Exterior

Comments: Heavy Corrosion at base of Flare



General view of stack

5/2/2012



Corrosion on stack

5/2/2012

Condition Analysis

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Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.

Section: 02A North/South pipe rack heading toward flare. Stops on South side of road. Includes 2 tanks and a tower on West side of North/South pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 5.0 - 3% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 4 - Substandard

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior

Comments: Heavy Undercutting- Beginning Stages of Pittings.



General view of piperack

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.

Section: 02A North/South pipe rack heading toward flare. Stops on South side of road. Includes 2 tanks and a tower on West side of North/South pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 5.0 - 3% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 4 - Substandard

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior

Comments: Heavy Undercutting- Beginning Stages of Pittings.



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.

Section: 02B Pipe rack that starts at South side of road and runs North to flare.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 5.5 - 2% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 4 - Substandard

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior

Comments: Heavy Undercutting- Beginning Stages of Pittings.



General view of piperack

5/2/2012



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.

Section: 02B Pipe rack that starts at South side of road and runs North to flare.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 5.5 - 2% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 4 - Substandard

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior

Comments: Heavy Undercutting- Beginning Stages of Pittings.



Close up view of corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.

Section: 03 Conveyor belt running East/West from ground into silos and associated structure. Includes stairway to Southwest.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 4 - Substandard

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.

Section: 03 Conveyor belt running East/West from ground into silos and associated structure. Includes stairway to Southwest.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 4 - Substandard

Environment Exposure: E - Exterior



View of corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.

Section: 03 Conveyor belt running East/West from ground into silos and associated structure. Includes stairway to Southwest.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 4 - Substandard

Environment Exposure: E - Exterior



View of corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.

Section: 03 Conveyor belt running East/West from ground into silos and associated structure. Includes stairway to Southwest.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

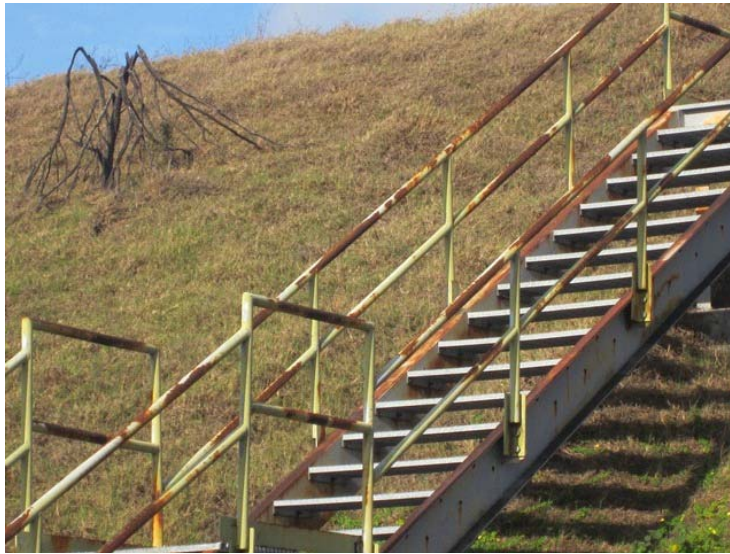
CH - Coal Handling

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 4 - Substandard

Environment Exposure: E - Exterior



Corrosion on stairway

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.

Section: 04A Exterior of building at West end of conveyor belt.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012



Corrosion on siding

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.

Section: 04B Equipment below and structure up to building at West end of conveyor belt.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 2 - Optimum

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.

Section: 04B Equipment below and structure up to building at West end of conveyor belt.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 2 - Optimum

Environment Exposure: E - Exterior



Corrosion on equipment

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.

Section: 04C Interior of structure at West end of conveyor belt.

Environment Rating 2 - Severe

Visibility: 6 - Low Traffic or Visibility

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: B - Surface Rust

Priority: 7 - Fair

Environment Codes:

CH - Coal Handling

Environment Exposure: P - Partial



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.

Section: 04C Interior of structure at West end of conveyor belt.

Environment Rating 2 - Severe

Visibility: 6 - Low Traffic or Visibility

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: B - Surface Rust

Priority: 7 - Fair

Environment Codes:

CH - Coal Handling

Environment Exposure: P - Partial



View of corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.

Section: 05A East/West pipe rack from North/South pipe rack off of flare. Ends at propane tank. Includes equipment and electrical boxes on the way.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: B - Surface Rust
Priority: 2 - Optimum

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.

Section: 05A East/West pipe rack from North/South pipe rack off of flare. Ends at propane tank. Includes equipment and electrical boxes on the way.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: B - Surface Rust
Priority: 2 - Optimum

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Corrosion on pipe

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.

Section: 05B Bullet tank at far West end of East/West pipe rack coming from flare.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: B Center of block 1. North of the Gasification Unit. Contains the inside and outside of the Slurry Building, conveyor belts, and the inside and outside of the silos.

Section: 01A Structure and equipment surrounding, inside and on top of silos.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

GF - General Plant Fallout

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Heavy Undercutting



View of corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 01** Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.
- Subblock: B** Center of block 1. North of the Gasification Unit. Contains the inside and outside of the Slurry Building, conveyor belts, and the inside and outside of the silos.
- Section: 01B** Electrical boxes and substation near silos.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout
GF - General Plant Fallout

Environment Exposure: E - Exterior



View of corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 01** Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.
- Subblock: B** Center of block 1. North of the Gasification Unit. Contains the inside and outside of the Slurry Building, conveyor belts, and the inside and outside of the silos.
- Section: 02** Conveyor belt and structure starting at ground on East side of silos heading to slurry building.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Heavy surface rust, edge corrosion.



General view of structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: B Center of block 1. North of the Gasification Unit. Contains the inside and outside of the Slurry Building, conveyor belts, and the inside and outside of the silos.

Section: 02 Conveyor belt and structure starting at ground on East side of silos heading to slurry building.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Heavy surface rust, edge corrosion.



View of corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: B Center of block 1. North of the Gasification Unit. Contains the inside and outside of the Slurry Building, conveyor belts, and the inside and outside of the silos.

Section: 03A Exterior of Slurry Building.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: B Center of block 1. North of the Gasification Unit. Contains the inside and outside of the Slurry Building, conveyor belts, and the inside and outside of the silos.

Section: 03B East side of the interior structure in the Slurry Building. (Building divided by columns on the West side of GEHO pump).

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 4 - Substandard

Environment Codes:
PC - Product Contamination

Environment Exposure: I - Interior

Comments: Couldn't walk in building- Flooded with water.



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: B Center of block 1. North of the Gasification Unit. Contains the inside and outside of the Slurry Building, conveyor belts, and the inside and outside of the silos.

Section: 03B East side of the interior structure in the Slurry Building. (Building divided by columns on the West side of GEHO pump).

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 4 - Substandard

Environment Codes:
PC - Product Contamination

Environment Exposure: I - Interior

Comments: Couldn't walk in building- Flooded with water.



View of corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: B Center of block 1. North of the Gasification Unit. Contains the inside and outside of the Slurry Building, conveyor belts, and the inside and outside of the silos.

Section: 03C All equipment and piping on the East side of Slurry Building. (Building divided by columns on the West side of GEHO pump).

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
PC - Product Contamination

Environment Exposure: I - Interior



General view of equipment

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: B Center of block 1. North of the Gasification Unit. Contains the inside and outside of the Slurry Building, conveyor belts, and the inside and outside of the silos.

Section: 03D West side of the interior structure in the Slurry Building. (Building divided by columns on the West side of GEHO pump).

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 4.5 - 7% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 1 - Advanced Corrosion

Environment Codes:
PC - Product Contamination

Environment Exposure: I - Interior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 01** Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.
- Subblock: B** Center of block 1. North of the Gasification Unit. Contains the inside and outside of the Slurry Building, conveyor belts, and the inside and outside of the silos.
- Section: 03E** All equipment and piping on the West side of the Slurry Building. (Building divided by columns on the West side of GEHO pump).

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: B - Surface Rust
Priority: 3 - Wearout

Environment Codes:
PC - Product Contamination

Environment Exposure: I - Interior

Comments: Hard to view due to product contamination.



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: B Center of block 1. North of the Gasification Unit. Contains the inside and outside of the Slurry Building, conveyor belts, and the inside and outside of the silos.

Section: 03F Exterior roof area of Slurry Building.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Severe corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: B Center of block 1. North of the Gasification Unit. Contains the inside and outside of the Slurry Building, conveyor belts, and the inside and outside of the silos.

Section: 03F Exterior roof area of Slurry Building.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks

Section: 01A Exterior and structure of storage building on North side of Unit.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior

Comments: Corrosion on bottom edge of siding.



General view of section

5/2/2012



Corrosion at base of siding

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks

Section: 01B Interior of storage building at North side of unit.

Environment Rating 4 - Mild

Environment Codes:

Visibility: 6 - Low Traffic or Visibility

IW - Indoor, Warm

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Heavy Corrosion- Localized



Corrosion on structure

5/2/2012



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 01** Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.
- Subblock: C** Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks
- Section: 01C** Covered chemical storage area that includes extension to pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012



View of structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks

Section: 02 Structure, piping and equipment West of North/South pipe rack. North of 01.C.03A. Includes tank.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

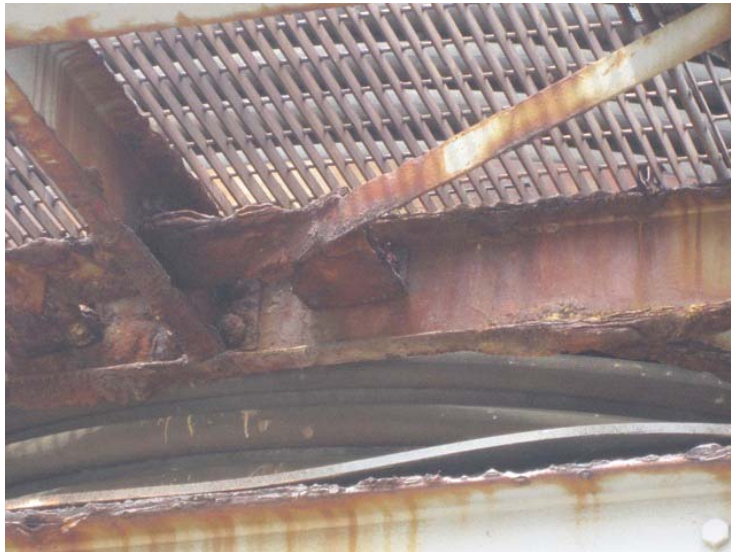
BR - Brine

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Severe corrosion visible

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks

Section: 02 Structure, piping and equipment West of North/South pipe rack. North of 01.C.03A. Includes tank.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

BR - Brine

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks

Section: 02 Structure, piping and equipment West of North/South pipe rack. North of 01.C.03A. Includes tank.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

BR - Brine

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Metal loss on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks

Section: 03A Multilevel structure on West side of North/South pipe rack. Includes structure, piping, and equipment.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

BR - Brine

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: B - Surface Rust

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Localized- Miscellaneous Piping, Valves, Flanges. (Thin wall thickness.)



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks

Section: 03A Multilevel structure on West side of North/South pipe rack. Includes structure, piping, and equipment.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

BR - Brine

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: B - Surface Rust

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Localized- Miscellaneous Piping, Valves, Flanges. (Thin wall thickness.)



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks

Section: 03A Multilevel structure on West side of North/South pipe rack. Includes structure, piping, and equipment.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

BR - Brine

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: B - Surface Rust

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Localized- Miscellaneous Piping, Valves, Flanges. (Thin wall thickness.)



Corrosion on piping

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks

Section: 03B Smaller multilevel structure just South of 01.C.3A. Includes piping, equipment, and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

BR - Brine

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks

Section: 03B Smaller multilevel structure just South of 01.C.3A. Includes piping, equipment, and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

BR - Brine

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



View of corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks

Section: 03B Smaller multilevel structure just South of 01.C.3A. Includes piping, equipment, and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

BR - Brine

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Metal loss occurring

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks

Section: 04 North/South pipe rack and associated structure running through center of 01.C.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

BR - Brine

Corrosion Rating: 3.5 - 13% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Heavy Corrosion- Pitting Apparent



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks

Section: 04 North/South pipe rack and associated structure running through center of 01.C.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

BR - Brine

Corrosion Rating: 3.5 - 13% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Heavy Corrosion- Pitting Apparent



View of Corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks

Section: 04 North/South pipe rack and associated structure running through center of 01.C.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

BR - Brine

Corrosion Rating: 3.5 - 13% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Heavy Corrosion- Pitting Apparent



Corrosion on piping

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks

Section: 05 4 tanks running along East side of North/South pipe rack ending South of building.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

BR - Brine

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Tanks Fair- Handrails, Spiral Ladders, Piping need paint.



General view of Tank

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks

Section: 05 4 tanks running along East side of North/South pipe rack ending South of building.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

BR - Brine

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Tanks Fair- Handrails, Spiral Ladders, Piping need paint.



Corrosion on tank

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks

Section: 05 4 tanks running along East side of North/South pipe rack ending South of building.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

BR - Brine

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Tanks Fair- Handrails, Spiral Ladders, Piping need paint.



Corrosion on tank stairs

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 01** Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.
- Subblock: D** The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.
- Section: 01** Loading rack on North side of East/West road at Northernmost part of unit and small adjacent building.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 01 Loading rack on North side of East/West road at Northernmost part of unit and small adjacent building.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior



View of corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 01** Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.
- Subblock: D** The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.
- Section: 01** Loading rack on North side of East/West road at Northernmost part of unit and small adjacent building.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 02 North/South pipe rack beginning at North side of East/West road. Heads South to Acid Area. Includes extension West to tank.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior



View of undercutting rust

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 02 North/South pipe rack beginning at North side of East/West road. Heads South to Acid Area. Includes extension West to tank.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior



Corrosion in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 01** Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.
- Subblock: D** The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.
- Section: 02** North/South pipe rack beginning at North side of East/West road. Heads South to Acid Area. Includes extension West to tank.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior



General view of section

5/3/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 03 Tank and structure within dikes. West of North/South pipe rack.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

AA - Acid Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Tank Fair, Handrails, Ladder, Platform Southside needs repair.



Corrosion on structure

5/2/2012



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 04 3 towers in Northwest part of the Acid Area and associated structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

ET - Elevated Temperatures

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: B - Surface Rust

Priority: 3 - Wearout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 04 3 towers in Northwest part of the Acid Area and associated structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

ET - Elevated Temperatures

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: B - Surface Rust

Priority: 3 - Wearout

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 04 3 towers in Northwest part of the Acid Area and associated structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

ET - Elevated Temperatures

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: B - Surface Rust

Priority: 3 - Wearout

Environment Exposure: E - Exterior



Corrosion on stack

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 04 3 towers in Northwest part of the Acid Area and associated structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

ET - Elevated Temperatures

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: B - Surface Rust

Priority: 3 - Wearout

Environment Exposure: E - Exterior



Close up view of corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 05 Exchanger area South of Tank that includes structure and piping. Also includes preheater structure due South.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

ET - Elevated Temperatures

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 3 - Wearout

Environment Exposure: E - Exterior

Comments: Undercutting on Preheater Structure.



General view of stack

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 05 Exchanger area South of Tank that includes structure and piping. Also includes preheater structure due South.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

ET - Elevated Temperatures

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 3 - Wearout

Environment Exposure: E - Exterior

Comments: Undercutting on Preheater Structure.



Corrosion on equipment

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 05 Exchanger area South of Tank that includes structure and piping. Also includes preheater structure due South.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

ET - Elevated Temperatures

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 3 - Wearout

Environment Exposure: E - Exterior

Comments: Undercutting on Preheater Structure.



View of structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 06 Acid Compressor Skid West of Acid area. Includes Southwestern most tower in Acid Area and all associated piping/structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Localized, Undercutting on Structure Southeast side of Section.



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 06 Acid Compressor Skid West of Acid area. Includes Southwestern most tower in Acid Area and all associated piping/structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Localized, Undercutting on Structure Southeast side of Section.



minor corrosion on stack

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 06 Acid Compressor Skid West of Acid area. Includes Southwestern most tower in Acid Area and all associated piping/structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Localized, Undercutting on Structure Southeast side of Section.



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 06 Acid Compressor Skid West of Acid area. Includes Southwestern most tower in Acid Area and all associated piping/structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Localized, Undercutting on Structure Southeast side of Section.



Corrosion visible on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 07 Multilevel structure in the Southern Acid Process Area and pump area just Southwest. Includes all associated equipment, piping and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 3 - Wearout

Environment Exposure: E - Exterior

Comments: Edge of Corrosion on Structure. Some Undercutting on West side.



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 07 Multilevel structure in the Southern Acid Process Area and pump area just Southwest. Includes all associated equipment, piping and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 3 - Wearout

Environment Exposure: E - Exterior

Comments: Edge of Corrosion on Structure. Some Undercutting on West side.



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 07 Multilevel structure in the Southern Acid Process Area and pump area just Southwest. Includes all associated equipment, piping and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 3 - Wearout

Environment Exposure: E - Exterior

Comments: Edge of Corrosion on Structure. Some Undercutting on West side.



Corrosion on structural steel

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 07 Multilevel structure in the Southern Acid Process Area and pump area just Southwest. Includes all associated equipment, piping and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 3 - Wearout

Environment Exposure: E - Exterior

Comments: Edge of Corrosion on Structure. Some Undercutting on West side.



Corrosion on stairs

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 08 Pipe rack from North side of Northern Acid Area to tee in East/West pipe rack in the block directly South. Includes all associated equipment, piping and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 3 - Wearout

Environment Exposure: E - Exterior



Corrosion on piping

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 01** Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.
- Subblock: D** The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.
- Section: 08** Pipe rack from North side of Northern Acid Area to tee in East/West pipe rack in the block directly South. Includes all associated equipment, piping and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 3 - Wearout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 08 Pipe rack from North side of Northern Acid Area to tee in East/West pipe rack in the block directly South. Includes all associated equipment, piping and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 3 - Wearout

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 09 All equipment, piping and structure on east side of pipe rack in Northern Acid Area.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 3 - Wearout

Environment Exposure: E - Exterior



View of corrosion in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 10A Exterior of Acid Plant Substation "8B".

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 8.5 - <0.1% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 7 - Fair

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 10B Interior of Acid Plant Substation "8B".

Environment Rating 4 - Mild

Visibility: 6 - Low Traffic or Visibility

Corrosion Rating: 9.0 - <0.1% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 8 - Design

Environment Codes:

IW - Indoor, Warm

Environment Exposure: I - Interior

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 01** Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.
- Subblock: D** The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.
- Section: 11** North of East/Wets pipe rack. East of North/South pipe rack. All equipment and structure surrounding the insulated drums South of Substation.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 6.5 - 0.7% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 2 - Optimum

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 11 North of East/Wets pipe rack. East of North/South pipe rack. All equipment and structure surrounding the insulated drums South of Substation.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 6.5 - 0.7% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 2 - Optimum

Environment Exposure: E - Exterior



Corrosion visible

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 11 North of East/Wets pipe rack. East of North/South pipe rack. All equipment and structure surrounding the insulated drums South of Substation.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 6.5 - 0.7% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 2 - Optimum

Environment Exposure: E - Exterior



Corrosion on pipe

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 12 Southeast corner of 01.D. Air compressors, tanks, and associated structure and piping.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Localized- Miscellaneous structure and pipe in Section and Pumps on West side.



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.

Section: 12 Southeast corner of 01.D. Air compressors, tanks, and associated structure and piping.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

AA - Acid Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Localized- Miscellaneous structure and pipe in Section and Pumps on West side.



Metal loss on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 01** Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.
- Subblock: E** Southeast corner of Block 1. East of Gasification Unit and South of Brine Unit. Contains pumps, tanks and a pipe rack.
- Section: 01** North/South pipe rack that tees into East/west pipe rack North of Administration building and associated piping/structure.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: E Southeast corner of Block 1. East of Gasification Unit and South of Brine Unit. Contains pumps, tanks and a pipe rack.

Section: 01 North/South pipe rack that tees into East/west pipe rack North of Administration building and associated piping/structure.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: E Southeast corner of Block 1. East of Gasification Unit and South of Brine Unit. Contains pumps, tanks and a pipe rack.

Section: 01 North/South pipe rack that tees into East/west pipe rack North of Administration building and associated piping/structure.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: E Southeast corner of Block 1. East of Gasification Unit and South of Brine Unit. Contains pumps, tanks and a pipe rack.

Section: 02A Boiler and multilevel structure South of East/West pipe rack.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: B - Surface Rust
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012



Corrosion on equipment

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: E Southeast corner of Block 1. East of Gasification Unit and South of Brine Unit. Contains pumps, tanks and a pipe rack.

Section: 02A Boiler and multilevel structure South of East/West pipe rack.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: B - Surface Rust
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on stack

5/2/2012



View of corrosion on piping

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: E Southeast corner of Block 1. East of Gasification Unit and South of Brine Unit. Contains pumps, tanks and a pipe rack.

Section: 02B Pumps and tanks running along East side of North/South pipe rack South of boiler.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of tank

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: E Southeast corner of Block 1. East of Gasification Unit and South of Brine Unit. Contains pumps, tanks and a pipe rack.

Section: 02B Pumps and tanks running along East side of North/South pipe rack South of boiler.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of tanks in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: E Southeast corner of Block 1. East of Gasification Unit and South of Brine Unit. Contains pumps, tanks and a pipe rack.

Section: 02B Pumps and tanks running along East side of North/South pipe rack South of boiler.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: E Southeast corner of Block 1. East of Gasification Unit and South of Brine Unit. Contains pumps, tanks and a pipe rack.

Section: 03 Pumps and tanks running along West side of North/South pipe rack.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

SF - Stack Fallout

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 7 - Fair

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: E Southeast corner of Block 1. East of Gasification Unit and South of Brine Unit. Contains pumps, tanks and a pipe rack.

Section: 03 Pumps and tanks running along West side of North/South pipe rack.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of tank in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: E Southeast corner of Block 1. East of Gasification Unit and South of Brine Unit. Contains pumps, tanks and a pipe rack.

Section: 03 Pumps and tanks running along West side of North/South pipe rack.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Tanks in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: E Southeast corner of Block 1. East of Gasification Unit and South of Brine Unit. Contains pumps, tanks and a pipe rack.

Section: 03 Pumps and tanks running along West side of North/South pipe rack.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central area in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 01 East/West pipe rack where it widens to where it 90's North. Includes equipment on South side of pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 3.5 - 13% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 4 - Substandard

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 01 East/West pipe rack where it widens to where it 90's North. Includes equipment on South side of pipe rack.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

GF - General Plant Fallout

Corrosion Rating: 3.5 - 13% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior



Severe corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 01 East/West pipe rack where it widens to where it 90's North. Includes equipment on South side of pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 3.5 - 13% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 4 - Substandard

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



View of corrosion in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 02A East/West pipe rack at wide part South of Slurry building. Includes extension into slurry. Heads East for 16 bays.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 4.5 - 7% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 4 - Substandard

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 02A East/West pipe rack at wide part South of Slurry building. Includes extension into slurry. Heads East for 16 bays.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 4.5 - 7% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 4 - Substandard

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



View of corrosion in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 02A East/West pipe rack at wide part South of Slurry building. Includes extension into slurry. Heads East for 16 bays.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 4.5 - 7% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 4 - Substandard

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 02B East/West pipe rack running East from tee in North/South rack 14 bays to East side of roadway.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

GF - General Plant Fallout

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 03 Substation 5 and six electrical boxes on the South side of it. Includes the structure from the North/South pipe rack that connects.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 03 Substation 5 and six electrical boxes on the South side of it. Includes the structure from the North/South pipe rack that connects.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



View of surface rust

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 04 Pump area and both sides of tank on South side of East/West pipe rack.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Metal lose on Structure on Southwest side of tank.



Corrosion on piping

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 04 Pump area and both sides of tank on South side of East/West pipe rack.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Metal lose on Structure on Southwest side of tank.



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 04 Pump area and both sides of tank on South side of East/West pipe rack.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Metal lose on Structure on Southwest side of tank.



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 05 Tower and associated structure South of tank.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: B - Surface Rust

Priority: 3 - Wearout

Environment Exposure: E - Exterior



General view of section

5/2/2012



Corrosion on piping

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 06 Multilevel structure and process area South of tower.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 3.5 - 13% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

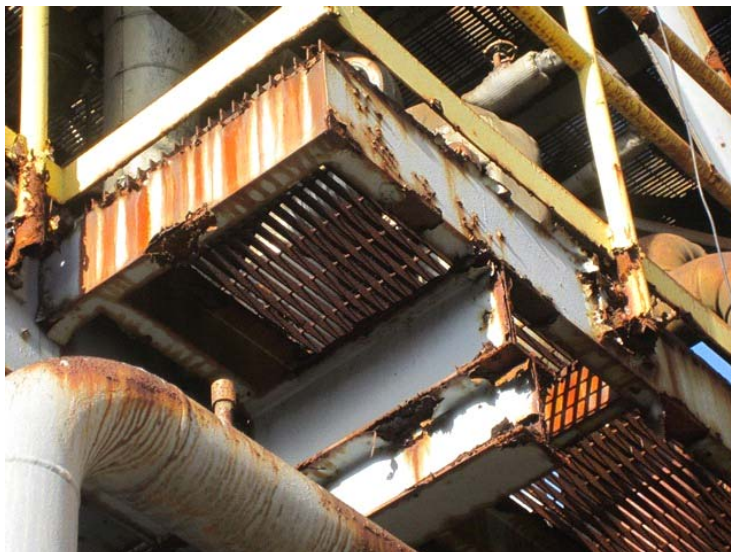
Environment Exposure: E - Exterior

Comments: Metal Loss Throughout.



Corrosion on structure

5/2/2012



Heavy corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 06 Multilevel structure and process area South of tower.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 3.5 - 13% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Metal Loss Throughout.



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 06 Multilevel structure and process area South of tower.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 3.5 - 13% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Metal Loss Throughout.



Severe corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 07 North/South pipe rack running off of East/West pipe rack South to Gasification structure. Includes all associated equipment and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 07 North/South pipe rack running off of East/West pipe rack South to Gasification structure. Includes all associated equipment and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Severe metal loss due to corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 07 North/South pipe rack running off of East/West pipe rack South to Gasification structure. Includes all associated equipment and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

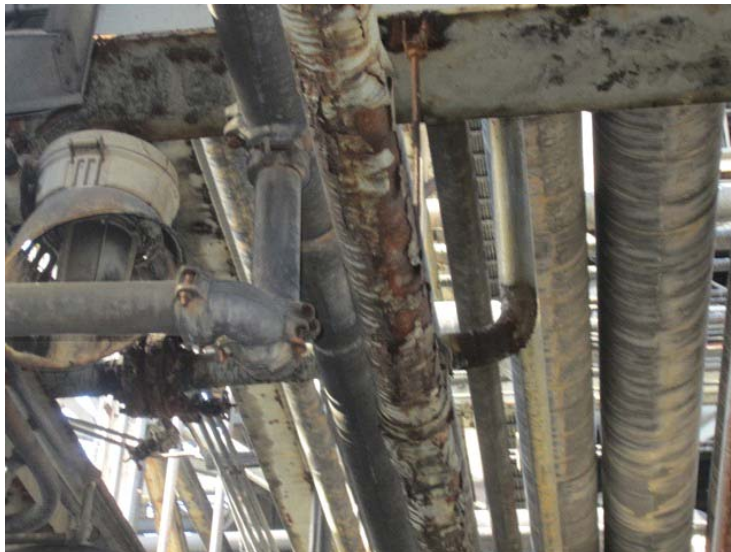
CH - Coal Handling

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



View of corrosion on piping

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 07 North/South pipe rack running off of East/West pipe rack South to Gasification structure. Includes all associated equipment and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 08A Multilevel structure and equipment West of North/South pipe rack and North of Amine Stripper.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 5.5 - 2% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 08A Multilevel structure and equipment West of North/South pipe rack and North of Amine Stripper.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 5.5 - 2% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 08A Multilevel structure and equipment West of North/South pipe rack and North of Amine Stripper.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 5.5 - 2% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



View of corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 08B Amine Stripper, Saturator, and Acid Gas Adsorbed South of Gasification structure and West of North/South pipe rack. Includes adjacent vessels and exchangers.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 6.5 - 0.7% rust

Corrosion Type: B - Surface Rust

Priority: 3 - Wearout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 08B Amine Stripper, Saturator, and Acid Gas Adsorbed South of Gasification structure and West of North/South pipe rack. Includes adjacent vessels and exchangers.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 6.5 - 0.7% rust

Corrosion Type: B - Surface Rust

Priority: 3 - Wearout

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 08B Amine Stripper, Saturator, and Acid Gas Adsorbed South of Gasification structure and West of North/South pipe rack. Includes adjacent vessels and exchangers.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 6.5 - 0.7% rust

Corrosion Type: B - Surface Rust

Priority: 3 - Wearout

Environment Exposure: E - Exterior



Corrosion on tower structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 08B Amine Stripper, Saturator, and Acid Gas Adsorbed South of Gasification structure and West of North/South pipe rack. Includes adjacent vessels and exchangers.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 6.5 - 0.7% rust

Corrosion Type: B - Surface Rust

Priority: 3 - Wearout

Environment Exposure: E - Exterior



Heavy corrosion on piping

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 09 Multilevel structure, piping and equipment North of the Gasification structure on West side. Includes 2 insulated tanks.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 3 - Wearout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 09 Multilevel structure, piping and equipment North of the Gasification structure on West side. Includes 2 insulated tanks.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 3 - Wearout

Environment Exposure: E - Exterior



Visible undercutting on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 09 Multilevel structure, piping and equipment North of the Gasification structure on West side. Includes 2 insulated tanks.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 3 - Wearout

Environment Exposure: E - Exterior



Heavy corrosion on structural steel

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 10 Off West side of Gasification structure, pipe rack extends East/West between 2 Substations (just structure). Also on East side of Substation 6.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 4.5 - 7% rust
Corrosion Type: F - Holes or Stratifications
Priority: 1 - Advanced Corrosion

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 10 Off West side of Gasification structure, pipe rack extends East/West between 2 Substations (just structure). Also on East side of Substation 6.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 4.5 - 7% rust
Corrosion Type: F - Holes or Stratifications
Priority: 1 - Advanced Corrosion

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Corrosion on structural steel

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 10 Off West side of Gasification structure, pipe rack extends East/West between 2 Substations (just structure). Also on East side of Substation 6.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 4.5 - 7% rust
Corrosion Type: F - Holes or Stratifications
Priority: 1 - Advanced Corrosion

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Undercutting rust on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 11 Substation "I/06" on West side of Gasification structure. South of East/West pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 11 Substation "I/06" on West side of Gasification structure. South of East/West pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Corrosion on building structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 11 Substation "I/06" on West side of Gasification structure. South of East/West pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Severe corrosion on building structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 12 Substation 6 on West side of Gasification structure. North of East/West pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 12 Substation 6 on West side of Gasification structure. North of East/West pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Heavy corrosion on building structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 12 Substation 6 on West side of Gasification structure. North of East/West pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



View of corrosion on building

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 13 Electrical equipment on North side of Substation 6 and associated structure.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 14 Southwest of Gasification structure, tank, equipment and piping inside dyke.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 3 - Tank Area

GF - General Plant Fallout

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 2 - Optimum

Environment Exposure: E - Exterior

Comments: Optimum- Pinhole Corrosion Northwest side.



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 14 Southwest of Gasification structure, tank, equipment and piping inside dyke.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 3 - Tank Area

GF - General Plant Fallout

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 2 - Optimum

Environment Exposure: E - Exterior

Comments: Optimum- Pinhole Corrosion Northwest side.



View of equipment in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 14 Southwest of Gasification structure, tank, equipment and piping inside dyke.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 2 - Optimum

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior

Comments: Optimum- Pinhole Corrosion Northwest side.



Corrosion on equipment

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 15 Pipe rack heading South out of West side of Gasification structure. Includes extension East/West and orange bullet tank.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 3.0 - 16% rust
Corrosion Type: F - Holes or Stratifications
Priority: 1 - Advanced Corrosion

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of vessel in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 15 Pipe rack heading South out of West side of Gasification structure. Includes extension East/West and orange bullet tank.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 3.0 - 16% rust
Corrosion Type: F - Holes or Stratifications
Priority: 1 - Advanced Corrosion

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of piperack in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 15 Pipe rack heading South out of West side of Gasification structure. Includes extension East/West and orange bullet tank.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 3.0 - 16% rust
Corrosion Type: F - Holes or Stratifications
Priority: 1 - Advanced Corrosion

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 15 Pipe rack heading South out of West side of Gasification structure. Includes extension East/West and orange bullet tank.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 3.0 - 16% rust
Corrosion Type: F - Holes or Stratifications
Priority: 1 - Advanced Corrosion

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Corrosion in piperack

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 15 Pipe rack heading South out of West side of Gasification structure. Includes extension East/West and orange bullet tank.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 3.0 - 16% rust
Corrosion Type: F - Holes or Stratifications
Priority: 1 - Advanced Corrosion

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Heavy corrosion on structural steel

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 15 Pipe rack heading South out of West side of Gasification structure. Includes extension East/West and orange bullet tank.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 3.0 - 16% rust
Corrosion Type: F - Holes or Stratifications
Priority: 1 - Advanced Corrosion

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Heavy corrosion on structural steel

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 16 Empty dike area with a small amount of equipment on North side. Yellow bumpers on outskirts.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

EF - Effluent Vapors

Corrosion Rating: 8.5 - <0.1% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 8 - Design

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 17 Equipment, structure and piping on South side of Gasification structure where conveyor comes to ground.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 17 Equipment, structure and piping on South side of Gasification structure where conveyor comes to ground.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 17 Equipment, structure and piping on South side of Gasification structure where conveyor comes to ground.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior



View of corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 17 Equipment, structure and piping on South side of Gasification structure where conveyor comes to ground.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior



Heavy corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 18 North/South pipe rack on Easternmost side of 01.F. Includes equipment and the extension West into the Gasification structure.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

GF - General Plant Fallout

Corrosion Rating: 5.5 - 2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Heavy Corrosion Visible- Undercutting Throughout



View of corrosion occurring on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 18 North/South pipe rack on Easternmost side of 01.F. Includes equipment and the extension West into the Gasification structure.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

GF - General Plant Fallout

Corrosion Rating: 5.5 - 2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Heavy Corrosion Visible- Undercutting Throughout



Heavy corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 18 North/South pipe rack on Easternmost side of 01.F. Includes equipment and the extension West into the Gasification structure.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

GF - General Plant Fallout

Corrosion Rating: 5.5 - 2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Heavy Corrosion Visible- Undercutting Throughout



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 18 North/South pipe rack on Easternmost side of 01.F. Includes equipment and the extension West into the Gasification structure.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

GF - General Plant Fallout

Corrosion Rating: 5.5 - 2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Heavy Corrosion Visible- Undercutting Throughout



Heavy corrosion occurring

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 19A Top floor of West wing.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012



Corrosion on structural steel

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 19A Top floor of West wing.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior



General view of section

5/2/2012



Corrosion occurring

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 19B Actual 5th floor of West wing of Gasification structure labeled as 6th floor.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior



Corrosion on handrails

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 19B Actual 5th floor of West wing of Gasification structure labeled as 6th floor.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 19C Fourth floor of West wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior



General view of section

5/2/2012



Heavy corrosion on pipe

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 19C Fourth floor of West wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior



Metal loss on rails

5/2/2012



View of corrosion on valve

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 19D Third floor of West wing of Gasification structure.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 5 - Localized Corrosion

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior

Comments: Localized-Flanges, Valves, and Pipe



General view of section

5/2/2012



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central area in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 19E Second floor of West wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior



General view of section

5/2/2012



Corrosion on structural steel

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 19F Ground floor of West wing of Gasification structure.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 2 - Optimum

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 19F Ground floor of West wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 2 - Optimum

Environment Exposure: E - Exterior



Corrosion occurring on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 19F Ground floor of West wing of Gasification structure.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 2 - Optimum

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior



Heavy corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 19G East/West pipe rack just North of West wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 19G East/West pipe rack just North of West wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Corrosion on support structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 19G East/West pipe rack just North of West wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

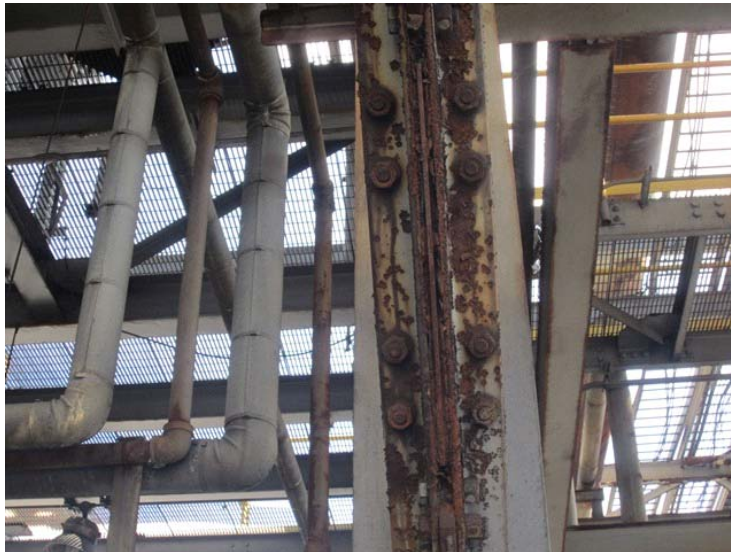
CH - Coal Handling

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Metal loss visible

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 19G East/West pipe rack just North of West wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20A Top floor of Gasification structure. Sundeck.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20A Top floor of Gasification structure. Sundeck.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior



View of corrosion on support structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20A Top floor of Gasification structure. Sundeck.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior



Heavy corrosion occurring

5/2/2012



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central area in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20B 15th floor of the Gasification unit.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior

Comments: Pitting and Rust Nodules on Bottom of Roof Deck.



General view of section

5/2/2012



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20B 15th floor of the Gasification unit.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Pitting and Rust Nodules on Bottom of Roof Deck.



Severe corrosion occurring

5/2/2012



View of heavy corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20C 14th floor of the Gasification unit.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Pitting, Rust Nodules on Bottom of Roof Deck, and Metal Loss



Severe corrosion on structural steel

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20C 14th floor of the Gasification unit.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Pitting, Rust Nodules on Bottom of Roof Deck, and Metal Loss



General view of corrosion in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central area in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20C 14th floor of the Gasification unit.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Pitting, Rust Nodules on Bottom of Roof Deck, and Metal Loss



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central area in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20D Actual 13th floor of the Gasification unit. Labeled 13.5.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 5 - Localized Corrosion

Environment Exposure: P - Partial

Comments: Localized Corrosion on Structure



Corrosion in section

5/2/2012



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20D Actual 13th floor of the Gasification unit. Labeled 13.5.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 5 - Localized Corrosion

Environment Exposure: P - Partial

Comments: Localized Corrosion on Structure



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central area in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20E Actual 12th floor of the Gasification structure. Labeled 13th.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 6.5 - 0.7% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 5 - Localized Corrosion

Environment Exposure: P - Partial



Edge corrosion occurring

5/2/2012



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central area in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20F Actual 11th floor of Gasification structure. Labeled 12-3/4.

Environment Rating: 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior

Comments: Heavy Undercutting and some Rust Nodules viewed



General view of section

5/2/2012



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20F Actual 11th floor of Gasification structure. Labeled 12-3/4.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Heavy Undercutting and some Rust Nodules viewed



Corrosion on support structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20F Actual 11th floor of Gasification structure. Labeled 12-3/4.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior

Comments: Heavy Undercutting and some Rust Nodules viewed



Undercutting visible on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20F Actual 11th floor of Gasification structure. Labeled 12-3/4.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Heavy Undercutting and some Rust Nodules viewed



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20G 1.5 floors labeled 12.5 and 12.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Heavy Corrosion Throughout



Heavy corrosion on structure

5/2/2012



Rust nodules on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20G 1.5 floors labeled 12.5 and 12.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior

Comments: Heavy Corrosion Throughout



Corrosion on support structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20G 1.5 floors labeled 12.5 and 12.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior

Comments: Heavy Corrosion Throughout



Close up view of corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20G 1.5 floors labeled 12.5 and 12.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior

Comments: Heavy Corrosion Throughout



Corrosion on support structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20G 1.5 floors labeled 12.5 and 12.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior

Comments: Heavy Corrosion Throughout



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20H 1.5 floors labeled 10.5 and 10.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior

Comments: Metal Loss Apparent



Undercutting visible on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.
Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.
Section: 20H 1.5 floors labeled 10.5 and 10.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Metal Loss Apparent



Corrosion on structure

5/2/2012



Edge corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20H 1.5 floors labeled 10.5 and 10.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Metal Loss Apparent



Heavy edge corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20H 1.5 floors labeled 10.5 and 10.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Metal Loss Apparent



View of corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20H 1.5 floors labeled 10.5 and 10.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Metal Loss Apparent



Heavy corrosion on structure

5/2/2012



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20J Actual 8th floor of Gasification unit. Labeled as 9.5.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Pitting Apparent- Heavy Undercoating



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central area in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20J Actual 8th floor of Gasification unit. Labeled as 9.5.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior

Comments: Pitting Apparent- Heavy Undercoating



Rust nodules on structural steel

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20J Actual 8th floor of Gasification unit. Labeled as 9.5.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Pitting Apparent- Heavy Undercoating



Heavy corrosion on structure

5/2/2012



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20J Actual 8th floor of Gasification unit. Labeled as 9.5.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Pitting Apparent- Heavy Undercoating



Close up view of corrosion

5/2/2012



Rust nodules cover structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20K Actual 7th floor of the middle section of the Gasification unit. Labeled as 9th.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20K Actual 7th floor of the middle section of the Gasification unit. Labeled as 9th.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior



Close up view of metal loss

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20K Actual 7th floor of the middle section of the Gasification unit. Labeled as 9th.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20K Actual 7th floor of the middle section of the Gasification unit. Labeled as 9th.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Corrosion on handrails

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20K Actual 7th floor of the middle section of the Gasification unit. Labeled as 9th.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior



Undercutting visible on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20K Actual 7th floor of the middle section of the Gasification unit. Labeled as 9th.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior



Heavy corrosion on supports

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20K Actual 7th floor of the middle section of the Gasification unit. Labeled as 9th.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Heavy corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central area in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20L Actual 6th floor of the middle section of the Gasification structure. Labeled as 7th.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20L Actual 6th floor of the middle section of the Gasification structure. Labeled as 7th.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Heavy corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20L Actual 6th floor of the middle section of the Gasification structure. Labeled as 7th.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior



Undercutting visible

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20L Actual 6th floor of the middle section of the Gasification structure. Labeled as 7th.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Severe corrosion occurring

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20M Actual 5th floor of the middle section of the Gasification unit. Labeled as 6th floor.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Heavy corrosion on support structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20M Actual 5th floor of the middle section of the Gasification unit. Labeled as 6th floor.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Heavy corrosion occurring

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20M Actual 5th floor of the middle section of the Gasification unit. Labeled as 6th floor.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Heavy pitting rust

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20M Actual 5th floor of the middle section of the Gasification unit. Labeled as 6th floor.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Pitting rust occurring

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central area in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20M Actual 5th floor of the middle section of the Gasification unit. Labeled as 6th floor.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20N Fourth floor of the middle section of the Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20N Fourth floor of the middle section of the Gasification structure.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior



Corrosion occurring on supports

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20N Fourth floor of the middle section of the Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior



Heavy corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20P Third floor of the middle section of the Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Heavy Undercoating, Pitting Visible and Metal Loss



Severe corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central area in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20P Third floor of the middle section of the Gasification structure.

Environment Rating: 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Heavy Undercoating, Pitting Visible and Metal Loss



Metal loss visible

5/2/2012



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20P Third floor of the middle section of the Gasification structure.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior

Comments: Heavy Undercoating, Pitting Visible and Metal Loss



Heavy corrosion on structural steel

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20P Third floor of the middle section of the Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Heavy Undercoating, Pitting Visible and Metal Loss



Severe corrosion and metal loss occurring

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20P Third floor of the middle section of the Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Heavy Undercoating, Pitting Visible and Metal Loss



View of corrosion on support structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20P Third floor of the middle section of the Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Heavy Undercoating, Pitting Visible and Metal Loss



Pitting rust on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20P Third floor of the middle section of the Gasification structure.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior

Comments: Heavy Undercoating, Pitting Visible and Metal Loss



Heavy corrosion on structural steel

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20P Third floor of the middle section of the Gasification structure.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior

Comments: Heavy Undercoating, Pitting Visible and Metal Loss



Corrosion and metal loss occurring

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20Q Second floor of the middle section of the Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Heavy Corrosion- Metal Loss



View of corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20Q Second floor of the middle section of the Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Heavy Corrosion- Metal Loss



Heavy corrosion occurring on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20Q Second floor of the middle section of the Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: F - Holes or Stratifications

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Heavy Corrosion- Metal Loss



General view of section

5/2/2012



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20R Ground floor in the middle section of the Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Very Hard to View Corrosion- Covered with Coal Dust



Corrosion on structure

5/2/2012



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20R Ground floor in the middle section of the Gasification structure.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior

Comments: Very Hard to View Corrosion- Covered with Coal Dust



Heavy corrosion on structural supports

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 20R Ground floor in the middle section of the Gasification structure.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior

Comments: Very Hard to View Corrosion- Covered with Coal Dust



Corrosion occurring on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 21A Top floor of East wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 5.0 - 3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 4 - Substandard

Environment Exposure: E - Exterior



Corrosion on Structure

5/2/2012



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 21B Actual 5th floor of East wing of Gasification structure. Labeled as 6th floor.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 21C Fourth floor of East wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Localized- Miscellaneous Pipe and Handrails- Structure Good.



General view of section

5/2/2012



Corrosion on handrails

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 21C Fourth floor of East wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Localized- Miscellaneous Pipe and Handrails- Structure Good.



Corrosion on piping in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 21D Third floor of East wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 21D Third floor of East wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior



View of corrosion on structure in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 21E Second floor of East wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: F - Holes or Stratifications

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Localized- Metal Loss on Structure area North side of section above Pipe Rack.



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 21E Second floor of East wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: F - Holes or Stratifications

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Localized- Metal Loss on Structure area North side of section above Pipe Rack.



Corrosion on structure in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 21E Second floor of East wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: F - Holes or Stratifications

Priority: 5 - Localized Corrosion

Environment Exposure: E - Exterior

Comments: Localized- Metal Loss on Structure area North side of section above Pipe Rack.



Heavy corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 21F Ground floor of East wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 2 - Optimum

Environment Exposure: E - Exterior



General view of section

5/2/2012



Minor edge corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 21F Ground floor of East wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 2 - Optimum

Environment Exposure: E - Exterior



Pin hole and edge corrosion occurring

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 21G East/West pipe rack just North of the East wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Pipe Rack, Pumps, and Structure- Structure in Bad Condition- Heavy Pitting on Structure in Center of Pipe Rack.



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.

Subblock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.

Section: 21G East/West pipe rack just North of the East wing of Gasification structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior

Comments: Pipe Rack, Pumps, and Structure- Structure in Bad Condition- Heavy Pitting on Structure in Center of Pipe Rack.



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: B** In center of Block 2. Contains Diesel tank and small equipment surrounding tank, and a diesel pump station.
- Section: 01** Diesel loading rack, equipment and piping North of large tank area. Include pump station East of diesel rack.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



View of building in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: B** In center of Block 2. Contains Diesel tank and small equipment surrounding tank, and a diesel pump station.
- Section: 01** Diesel loading rack, equipment and piping North of large tank area. Include pump station East of diesel rack.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: B In center of Block 2. Contains Diesel tank and small equipment surrounding tank, and a diesel pump station.

Section: 02 Tank and associated structure/piping.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 3 - Tank Area

SF - Stack Fallout

Corrosion Rating: 8.0 - 0.1% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 7 - Fair

Environment Exposure: E - Exterior

Comments: Mold on Tank Roof. Pressure Wash.



General view of tank

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: B In center of Block 2. Contains Diesel tank and small equipment surrounding tank, and a diesel pump station.

Section: 02 Tank and associated structure/piping.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 3 - Tank Area

SF - Stack Fallout

Corrosion Rating: 8.0 - 0.1% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 7 - Fair

Environment Exposure: E - Exterior

Comments: Mold on Tank Roof. Pressure Wash.



Coating wear visible

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: B In center of Block 2. Contains Diesel tank and small equipment surrounding tank, and a diesel pump station.

Section: 02 Tank and associated structure/piping.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 3 - Tank Area

SF - Stack Fallout

Corrosion Rating: 8.0 - 0.1% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 7 - Fair

Environment Exposure: E - Exterior

Comments: Mold on Tank Roof. Pressure Wash.



Minor coating wear

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: B** In center of Block 2. Contains Diesel tank and small equipment surrounding tank, and a diesel pump station.
- Section: 03** North/South pipe rack starting at tee with East/West pipe rack to the tank area and equipment on East side of pipe rack. Includes pipe rack on North side of tank.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 5.5 - 2% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior

Comments: Structure South End.



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: B** In center of Block 2. Contains Diesel tank and small equipment surrounding tank, and a diesel pump station.
- Section: 03** North/South pipe rack starting at tee with East/West pipe rack to the tank area and equipment on East side of pipe rack. Includes pipe rack on North side of tank.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 5.5 - 2% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior

Comments: Structure South End.



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: B** In center of Block 2. Contains Diesel tank and small equipment surrounding tank, and a diesel pump station.
- Section: 03** North/South pipe rack starting at tee with East/West pipe rack to the tank area and equipment on East side of pipe rack. Includes pipe rack on North side of tank.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

SF - Stack Fallout

Corrosion Rating: 5.5 - 2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 3 - Wearout

Environment Exposure: E - Exterior

Comments: Structure South End.



Corrosion on structural steel

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: C** On Eastern side of Block 2. Water pumping station just West of the lake.
- Section: 01** Electrical buildings and boxes. Includes piping South of area.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 4.5 - 7% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 5 - Localized Corrosion

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior

Comments: Electrical Boxes on West side and South Structure needs paint.



Heavy corrosion on structural steel

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: C** On Eastern side of Block 2. Water pumping station just West of the lake.
- Section: 01** Electrical buildings and boxes. Includes piping South of area.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 4.5 - 7% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 5 - Localized Corrosion

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior

Comments: Electrical Boxes on West side and South Structure needs paint.



Minor surface rust on electrical boxes

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: C** On Eastern side of Block 2. Water pumping station just West of the lake.
- Section: 01** Electrical buildings and boxes. Includes piping South of area.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 4.5 - 7% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 5 - Localized Corrosion

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior

Comments: Electrical Boxes on West side and South Structure needs paint.



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: C** On Eastern side of Block 2. Water pumping station just West of the lake.
- Section: 02** Cooling water pump area on east side of plant. Includes building, equipment, structure and piping.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 2 - Optimum

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior

Comments: Needs Pressure Washed.



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: C** On Eastern side of Block 2. Water pumping station just West of the lake.
- Section: 02** Cooling water pump area on east side of plant. Includes building, equipment, structure and piping.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 2 - Optimum

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior

Comments: Needs Pressure Washed.



Pin hole rust on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: C** On Eastern side of Block 2. Water pumping station just West of the lake.
- Section: 02** Cooling water pump area on east side of plant. Includes building, equipment, structure and piping.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 2 - Optimum

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior

Comments: Needs Pressure Washed.



Minor surface corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: C** On Eastern side of Block 2. Water pumping station just West of the lake.
- Section: 02** Cooling water pump area on east side of plant. Includes building, equipment, structure and piping.

Environment Rating 3 - Moderate

Visibility: 6 - Low Traffic or Visibility

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 2 - Optimum

Environment Codes:

GF - General Plant Fallout

Environment Exposure: E - Exterior

Comments: Needs Pressure Washed.



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: C** On Eastern side of Block 2. Water pumping station just West of the lake.
- Section: 02** Cooling water pump area on east side of plant. Includes building, equipment, structure and piping.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 2 - Optimum

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior

Comments: Needs Pressure Washed.



Corrosion visible on vessels

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 01 Insulated stack and the structure rising on the sides.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

ET - Elevated Temperatures

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: B - Surface Rust

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Stack is Insulated. Supporting Structure Only



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 01 Insulated stack and the structure rising on the sides.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

ET - Elevated Temperatures

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: B - Surface Rust

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Stack is Insulated. Supporting Structure Only



Corrosion on stack structural supports

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 01 Insulated stack and the structure rising on the sides.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

ET - Elevated Temperatures

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: B - Surface Rust

Priority: 4 - Substandard

Environment Exposure: E - Exterior

Comments: Stack is Insulated. Supporting Structure Only



Corrosion on structure and pipe

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 02** Skin of HRSG.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: B - Surface Rust

Priority: 4 - Substandard

Environment Codes:

ET - Elevated Temperatures

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 02** Skin of HRSG.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: B - Surface Rust

Priority: 4 - Substandard

Environment Codes:

ET - Elevated Temperatures

Environment Exposure: E - Exterior



Corrosion on HRSG skin

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 02 Skin of HRSG.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

ET - Elevated Temperatures

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: B - Surface Rust

Priority: 4 - Substandard

Environment Exposure: E - Exterior



Heavy corrosion on HRSG

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 02** Skin of HRSG.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

ET - Elevated Temperatures

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: B - Surface Rust

Priority: 4 - Substandard

Environment Exposure: E - Exterior



View of corrosion on HRSG skin

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 03** Equipment, piping and structure on top of HRSG.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 6 - Low Traffic or Visibility

ET - Elevated Temperatures

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 03** Equipment, piping and structure on top of HRSG.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 6 - Low Traffic or Visibility

ET - Elevated Temperatures

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Exposure: E - Exterior



Corrosion on structure in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 03** Equipment, piping and structure on top of HRSG.

Environment Rating 2 - Severe

Visibility: 6 - Low Traffic or Visibility

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Codes:

ET - Elevated Temperatures

Environment Exposure: E - Exterior



Corrosion on HRSG structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 03 Equipment, piping and structure on top of HRSG.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 6 - Low Traffic or Visibility

ET - Elevated Temperatures

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Exposure: E - Exterior



Corrosion on equipment

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 03** Equipment, piping and structure on top of HRSG.

Environment Rating 2 - Severe

Visibility: 6 - Low Traffic or Visibility

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Codes:

ET - Elevated Temperatures

Environment Exposure: E - Exterior



Corrosion on piping

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 03** Equipment, piping and structure on top of HRSG.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 6 - Low Traffic or Visibility

ET - Elevated Temperatures

Corrosion Rating: 4.0 - 10% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 4 - Substandard

Environment Exposure: E - Exterior



Corrosion on handrails and valves

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 04** Piping equipment and structure on North side and beneath HRSG.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

ET - Elevated Temperatures

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: B - Surface Rust

Priority: 3 - Wearout

Environment Exposure: E - Exterior



Corrosion on piping in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 04** Piping equipment and structure on North side and beneath HRSG.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

ET - Elevated Temperatures

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: B - Surface Rust

Priority: 3 - Wearout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 04** Piping equipment and structure on North side and beneath HRSG.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

ET - Elevated Temperatures

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: B - Surface Rust

Priority: 3 - Wearout

Environment Exposure: E - Exterior



View of corrosion on pipe supports

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 04** Piping equipment and structure on North side and beneath HRSG.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

ET - Elevated Temperatures

Corrosion Rating: 4.5 - 7% rust

Corrosion Type: B - Surface Rust

Priority: 3 - Wearout

Environment Exposure: E - Exterior



View of corrosion on valves

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 05** Equipment piping and structure between turbine building and HRSG.

Environment Rating 2 - Severe

Visibility: 6 - Low Traffic or Visibility

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: B - Surface Rust

Priority: 7 - Fair

Environment Codes:

ET - Elevated Temperatures

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 05** Equipment piping and structure between turbine building and HRSG.

Environment Rating 2 - Severe

Visibility: 6 - Low Traffic or Visibility

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: B - Surface Rust

Priority: 7 - Fair

Environment Codes:

ET - Elevated Temperatures

Environment Exposure: E - Exterior



Corrosion in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 06A Exterior of turbine building. East of HRSG and South of Intake.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: B - Surface Rust
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 06A Exterior of turbine building. East of HRSG and South of Intake.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: B - Surface Rust
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



View of corrosion on building

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 06B Interior of turbine building. East of HRSG and South of Intake.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 9.0 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: I - Interior

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 07** Electrical buildings West of intake and structure. "Water Wash Skid" and "Water Injection Skid".

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 2 - Optimum

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 07** Electrical buildings West of intake and structure. "Water Wash Skid" and "Water Injection Skid".

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 2 - Optimum

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Minor corrosion on building structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 08 Intake.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 3 - Tank Area

SF - Stack Fallout

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 2 - Optimum

Environment Exposure: E - Exterior

Comments: Delamination on back sides of intake.



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 08 Intake.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 3 - Tank Area

SF - Stack Fallout

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 2 - Optimum

Environment Exposure: E - Exterior

Comments: Delamination on back sides of intake.



Corrosion on filter structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 08 Intake.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 3 - Tank Area

SF - Stack Fallout

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 2 - Optimum

Environment Exposure: E - Exterior

Comments: Delamination on back sides of intake.



Delamination of coating with corrosion occurring

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 08 Intake.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 3 - Tank Area

SF - Stack Fallout

Corrosion Rating: 7.0 - 0.3% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 2 - Optimum

Environment Exposure: E - Exterior

Comments: Delamination on back sides of intake.



View of corrosion occurring

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 09** Buildings, piping and structure underneath intake. Includes building East of intake.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 09** Buildings, piping and structure underneath intake. Includes building East of intake.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 10** East/West pipe rack from transformers to generator. Includes breakers beneath.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 10** East/West pipe rack from transformers to generator. Includes breakers beneath.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on rack structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 11** Transformers and associated equipment/structure on East side of concrete wall.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 12** Power block Substation "O" on East side of unit between transformers.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 12** Power block Substation "O" on East side of unit between transformers.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 13** North/South pipe rack and crane rails running along North side of unit into open crane building.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 5.5 - 2% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 13** North/South pipe rack and crane rails running along North side of unit into open crane building.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 5.5 - 2% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 13** North/South pipe rack and crane rails running along North side of unit into open crane building.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 5.5 - 2% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on support structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 14** Western North/South crane rail running parallel to other rail. Southeast of HRSG.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 14** Western North/South crane rail running parallel to other rail. Southeast of HRSG.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 15** Generator East of HRSG. Includes associated structure, piping and equipment.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 15** Generator East of HRSG. Includes associated structure, piping and equipment.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on equipment structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 15** Generator East of HRSG. Includes associated structure, piping and equipment.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



View of corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 16** Process area on South side of generator between crane rails. North of walkway.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 16** Process area on South side of generator between crane rails. North of walkway.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on supports

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 16** Process area on South side of generator between crane rails. North of walkway.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on piping and structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 17A Condenser Box.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

GF - General Plant Fallout

Corrosion Rating: 6.5 - 0.7% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 2 - Optimum

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 17A Condenser Box.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

GF - General Plant Fallout

Corrosion Rating: 6.5 - 0.7% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 2 - Optimum

Environment Exposure: E - Exterior



Coating wear and corrosion occurring

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 17B** Ground floor equipment, piping and structure surrounding the condenser box. Includes pumps just South of structure in walkway.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 2 - Optimum

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 17B** Ground floor equipment, piping and structure surrounding the condenser box. Includes pumps just South of structure in walkway.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

GF - General Plant Fallout

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 2 - Optimum

Environment Exposure: E - Exterior



Corrosion on piping

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 17C** Second level equipment, piping and structure not including condenser box.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 17C** Second level equipment, piping and structure not including condenser box.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Corrosion on piping

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 17D** Structure, rails, piping and turbines on top level of structure.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: B - Surface Rust
Priority: 2 - Optimum

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 17D** Structure, rails, piping and turbines on top level of structure.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: B - Surface Rust
Priority: 2 - Optimum

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Corrosion on equipment

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 17D Structure, rails, piping and turbines on top level of structure.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: B - Surface Rust
Priority: 2 - Optimum

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Corrosion on turbine structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 18** East/West pipe rack starting at East side of structure that heads to transformers. Includes Substation 7 South of pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 18** East/West pipe rack starting at East side of structure that heads to transformers. Includes Substation 7 South of pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



View of building in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 19 Transformers on East end of pipe rack.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 19 Transformers on East end of pipe rack.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Minor corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 20** Building labeled "SPEEC" and associated structure. South of structure. North of crane wall.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 20** Building labeled "SPEEC" and associated structure. South of structure. North of crane wall.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Edge corrosion on building structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 21A** Exterior of crane building.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 21B** Interior structure of crane building and crane.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

GF - General Plant Fallout

Corrosion Rating: 8.0 - 0.1% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 7 - Fair

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 21B Interior structure of crane building and crane.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

GF - General Plant Fallout

Corrosion Rating: 8.0 - 0.1% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 7 - Fair

Environment Exposure: E - Exterior



Corrosion on structural steel

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 02 Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.

Subblock: D Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.

Section: 21B Interior structure of crane building and crane.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

GF - General Plant Fallout

Corrosion Rating: 8.0 - 0.1% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 7 - Fair

Environment Exposure: E - Exterior



View of minor corrosion on crane rail

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 22** North/South pipe rack going into West side of crane building.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 2 - Optimum

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/1/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 22** North/South pipe rack going into West side of crane building.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 2 - Optimum

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on piping in section

5/1/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 22** North/South pipe rack going into West side of crane building.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 2 - Optimum

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



View of corrosion on structure

5/1/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 23** Process area just West of North/South pipe rack and associated piping and structure.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 2 - Optimum

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

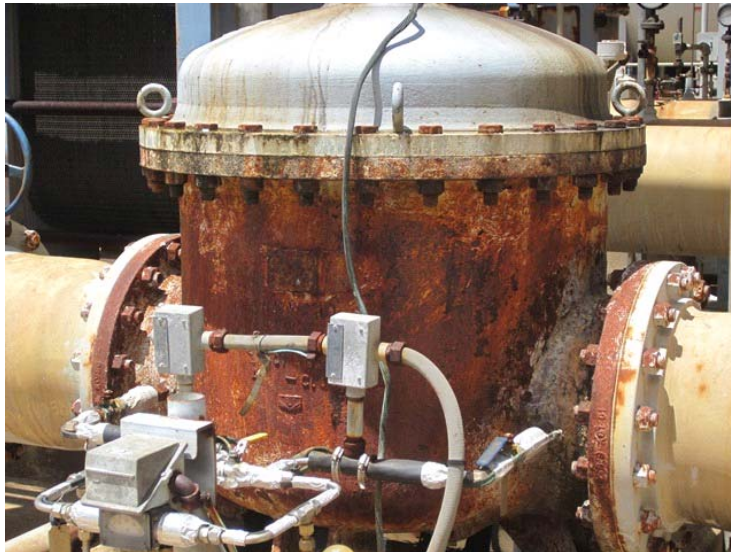
Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 23** Process area just West of North/South pipe rack and associated piping and structure.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 2 - Optimum

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 23** Process area just West of North/South pipe rack and associated piping and structure.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 2 - Optimum

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



View of tank in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 24** Pipe rack running along South side of HRSG. Turns North and then West and stops at tee with North/South pipe rack. Include equipment on North side of landing area. South of East/West pipe rack.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 2 - Optimum

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

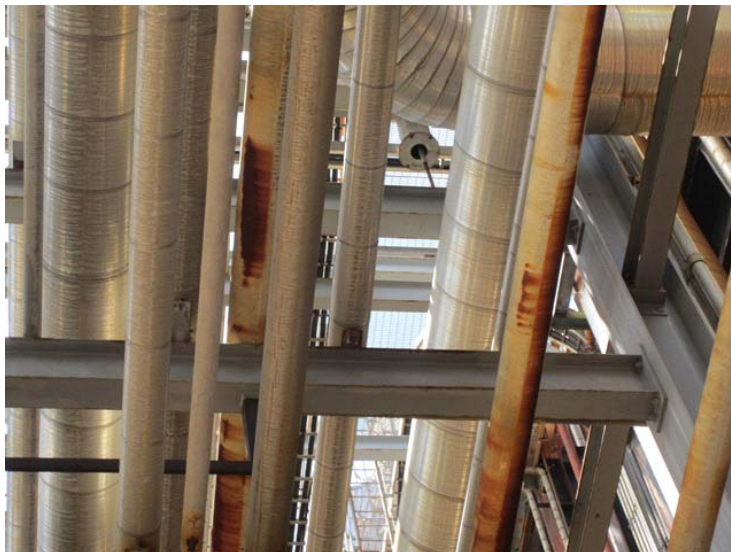
Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 24** Pipe rack running along South side of HRSG. Turns North and then West and stops at tee with North/South pipe rack. Include equipment on North side of landing area. South of East/West pipe rack.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 2 - Optimum

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion in piprack

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 24** Pipe rack running along South side of HRSG. Turns North and then West and stops at tee with North/South pipe rack. Include equipment on North side of landing area. South of East/West pipe rack.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 2 - Optimum

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 25** Piping and structure rising on South side of HRSG. North of East/West pipe rack.

Environment Rating 2 - Severe

Visibility: 5 - Moderate Traffic or Visibility

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: B - Surface Rust

Priority: 3 - Wearout

Environment Codes:

ET - Elevated Temperatures

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 25** Piping and structure rising on South side of HRSG. North of East/West pipe rack.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

ET - Elevated Temperatures

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: B - Surface Rust

Priority: 3 - Wearout

Environment Exposure: E - Exterior



Corrosion on structure in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 25** Piping and structure rising on South side of HRSG. North of East/West pipe rack.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 5 - Moderate Traffic or Visibility

ET - Elevated Temperatures

Corrosion Rating: 6.0 - 1% rust

Corrosion Type: B - Surface Rust

Priority: 3 - Wearout

Environment Exposure: E - Exterior



Heavy corrosion on supports

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 26** Substation and electrical boxes on West side of stack past North/South pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 26** Substation and electrical boxes on West side of stack past North/South pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



View of minor corrosion on electrical boxes

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 27A** Exterior of maintenance shop South of landing area.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 27A** Exterior of maintenance shop South of landing area.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Minor corrosion on warehouse structural steel

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 02** Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.
- Subblock: D** Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.
- Section: 27B** Interior of maintenance shop South of landing area.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 03** Southwest corner of the plant. West of the ASU and South of Gasification Unit. Contains Slag Handling Unit and the Slag Storage Area.
- Subblock: A** Northeastern corner of Block 3. Slag Handling Unit that contains tanks, pumps, pipe racks and a multilevel structure.
- Section: 01** East/West pipe rack running along North side of unit including associated equipment, piping and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 7 - Fair

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 03** Southwest corner of the plant. West of the ASU and South of Gasification Unit. Contains Slag Handling Unit and the Slag Storage Area.
- Subblock: A** Northeastern corner of Block 3. Slag Handling Unit that contains tanks, pumps, pipe racks and a multilevel structure.
- Section: 01** East/West pipe rack running along North side of unit including associated equipment, piping and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 7 - Fair

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 03 Southwest corner of the plant. West of the ASU and South of Gasification Unit. Contains Slag Handling Unit and the Slag Storage Area.

Subblock: A Northeastern corner of Block 3. Slag Handling Unit that contains tanks, pumps, pipe racks and a multilevel structure.

Section: 01 East/West pipe rack running along North side of unit including associated equipment, piping and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 7 - Fair

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 03 Southwest corner of the plant. West of the ASU and South of Gasification Unit. Contains Slag Handling Unit and the Slag Storage Area.

Subblock: A Northeastern corner of Block 3. Slag Handling Unit that contains tanks, pumps, pipe racks and a multilevel structure.

Section: 02 North of the Out of Service Structure. 1 large tank, 2 small tanks, and associated equipment, piping, and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 2 - Optimum

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 03** Southwest corner of the plant. West of the ASU and South of Gasification Unit. Contains Slag Handling Unit and the Slag Storage Area.
- Subblock: A** Northeastern corner of Block 3. Slag Handling Unit that contains tanks, pumps, pipe racks and a multilevel structure.
- Section: 02** North of the Out of Service Structure. 1 large tank, 2 small tanks, and associated equipment, piping, and structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 3 - Tank Area

CH - Coal Handling

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 2 - Optimum

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 03** Southwest corner of the plant. West of the ASU and South of Gasification Unit. Contains Slag Handling Unit and the Slag Storage Area.
- Subblock: A** Northeastern corner of Block 3. Slag Handling Unit that contains tanks, pumps, pipe racks and a multilevel structure.
- Section: 02** North of the Out of Service Structure. 1 large tank, 2 small tanks, and associated equipment, piping, and structure.

Environment Rating 2 - Severe

Visibility: 3 - Tank Area

Corrosion Rating: 7.5 - 0.2% rust

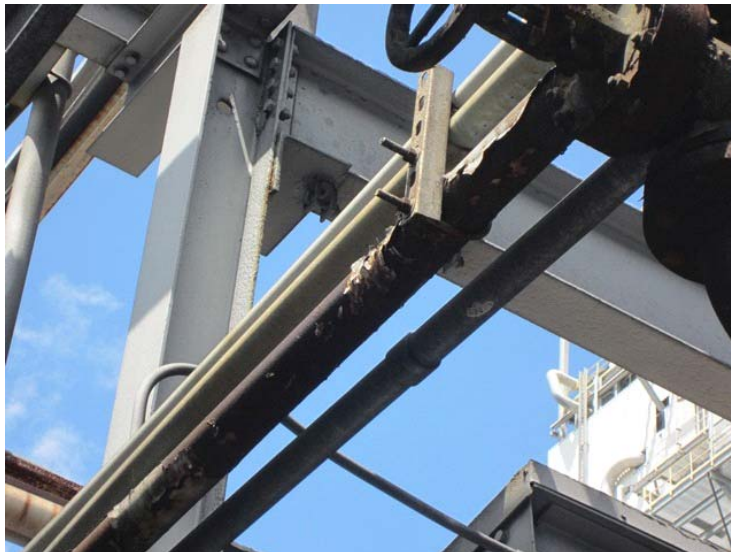
Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 2 - Optimum

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior



Corrosion on piping

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 03 Southwest corner of the plant. West of the ASU and South of Gasification Unit. Contains Slag Handling Unit and the Slag Storage Area.

Subblock: A Northeastern corner of Block 3. Slag Handling Unit that contains tanks, pumps, pipe racks and a multilevel structure.

Section: 03 Out of Service multilevel structure.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 9 - Not Scheduled

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior

Comments: O.O.S.



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 03 Southwest corner of the plant. West of the ASU and South of Gasification Unit. Contains Slag Handling Unit and the Slag Storage Area.

Subblock: A Northeastern corner of Block 3. Slag Handling Unit that contains tanks, pumps, pipe racks and a multilevel structure.

Section: 04 Northeast/Southwest pipe rack running to Gasification structure. West of conveyor belt.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 3.0 - 16% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 03 Southwest corner of the plant. West of the ASU and South of Gasification Unit. Contains Slag Handling Unit and the Slag Storage Area.

Subblock: A Northeastern corner of Block 3. Slag Handling Unit that contains tanks, pumps, pipe racks and a multilevel structure.

Section: 04 Northeast/Southwest pipe rack running to Gasification structure. West of conveyor belt.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 3.0 - 16% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Heavy corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 03 Southwest corner of the plant. West of the ASU and South of Gasification Unit. Contains Slag Handling Unit and the Slag Storage Area.

Subblock: A Northeastern corner of Block 3. Slag Handling Unit that contains tanks, pumps, pipe racks and a multilevel structure.

Section: 04 Northeast/Southwest pipe rack running to Gasification structure. West of conveyor belt.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 3.0 - 16% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 1 - Advanced Corrosion

Environment Exposure: E - Exterior



Severe corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 03 Southwest corner of the plant. West of the ASU and South of Gasification Unit. Contains Slag Handling Unit and the Slag Storage Area.

Subblock: A Northeastern corner of Block 3. Slag Handling Unit that contains tanks, pumps, pipe racks and a multilevel structure.

Section: 05 Conveyor belt rack heading Northeast to Gasification Structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 6.5 - 0.7% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 2 - Optimum

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 03 Southwest corner of the plant. West of the ASU and South of Gasification Unit. Contains Slag Handling Unit and the Slag Storage Area.

Subblock: A Northeastern corner of Block 3. Slag Handling Unit that contains tanks, pumps, pipe racks and a multilevel structure.

Section: 05 Conveyor belt rack heading Northeast to Gasification Structure.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 6.5 - 0.7% rust

Corrosion Type: C - Edge or Pinhole Corrosion

Priority: 2 - Optimum

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 03** Southwest corner of the plant. West of the ASU and South of Gasification Unit. Contains Slag Handling Unit and the Slag Storage Area.
- Subblock: A** Northeastern corner of Block 3. Slag Handling Unit that contains tanks, pumps, pipe racks and a multilevel structure.
- Section: 06** Main structure on South side of pipe rack and associated tanks, equipment and piping. North of slag storage.

Environment Rating 2 - Severe

Visibility: 4 - Hi Employee Traffic or Visibility

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: B - Surface Rust

Priority: 7 - Fair

Environment Codes:

CH - Coal Handling

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 03** Southwest corner of the plant. West of the ASU and South of Gasification Unit. Contains Slag Handling Unit and the Slag Storage Area.
- Subblock: A** Northeastern corner of Block 3. Slag Handling Unit that contains tanks, pumps, pipe racks and a multilevel structure.
- Section: 06** Main structure on South side of pipe rack and associated tanks, equipment and piping. North of slag storage.

Environment Rating 2 - Severe

Environment Codes:

Visibility: 4 - Hi Employee Traffic or Visibility

CH - Coal Handling

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: B - Surface Rust

Priority: 7 - Fair

Environment Exposure: E - Exterior



Corrosion on pipe

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 04** East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.
- Subblock: A** Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.
- Section: 01** East/West pipe rack South of Substation 3. 90's North along road up to East/West road.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 5.0 - 3% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 4 - Substandard

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 04 East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.

Subblock: A Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.

Section: 01 East/West pipe rack South of Substation 3. 90's North along road up to East/West road.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 5.0 - 3% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 4 - Substandard

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 04** East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.
- Subblock: A** Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.
- Section: 02A** Exterior and structure of Substation 3.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 04 East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.

Subblock: A Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.

Section: 02A Exterior and structure of Substation 3.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 04 East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.

Subblock: A Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.

Section: 02B Interior of Substation 3.

Environment Rating 4 - Mild

Environment Codes:

Visibility: 6 - Low Traffic or Visibility

IW - Indoor, Warm

Corrosion Rating: 8.5 - <0.1% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 8 - Design

Environment Exposure: I - Interior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 04 East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.

Subblock: A Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.

Section: 02B Interior of Substation 3.

Environment Rating 4 - Mild

Visibility: 6 - Low Traffic or Visibility

Corrosion Rating: 8.5 - <0.1% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 8 - Design

Environment Codes:

IW - Indoor, Warm

Environment Exposure: I - Interior



Very minor corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 04 East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.

Subblock: A Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.

Section: 02C Transformers and electrical boxes on North and East sides of Substation 3.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 04** East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.
- Subblock: A** Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.
- Section: 03** East/West pipe rack to Administration building.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 4.5 - 7% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 4 - Substandard

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 04 East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.

Subblock: A Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.

Section: 03 East/West pipe rack to Administration building.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 4.5 - 7% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 4 - Substandard

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Heavy corrosion on piping and structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 04** East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.
- Subblock: A** Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.
- Section: 04** 3 compressors on West side of 04.A and associated structure and piping.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 3 - Wearout

Environment Codes:
GF - General Plant Fallout

Environment Exposure: P - Partial



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 04** East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.
- Subblock: A** Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.
- Section: 04** 3 compressors on West side of 04.A and associated structure and piping.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 3 - Wearout

Environment Codes:
GF - General Plant Fallout

Environment Exposure: P - Partial



Edge corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 04** East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.
- Subblock: A** Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.
- Section: 04** 3 compressors on West side of 04.A and associated structure and piping.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 3 - Wearout

Environment Codes:
GF - General Plant Fallout

Environment Exposure: P - Partial



Corrosion on siding

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 04** East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.
- Subblock: A** Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.
- Section: 05** Main Air Compressor and associated piping/equipment.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: P - Partial



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 04** East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.
- Subblock: A** Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.
- Section: 05** Main Air Compressor and associated piping/equipment.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: P - Partial



Uniform corrosion on siding

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 04** East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.
- Subblock: A** Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.
- Section: 06** Adsorbers A-D and surrounding structure. West of Administration building. Includes equipment and filters on East and West sides.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 3 - Wearout

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 04** East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.
- Subblock: A** Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.
- Section: 06** Adsorbers A-D and surrounding structure. West of Administration building. Includes equipment and filters on East and West sides.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 3 - Wearout

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Corrosion on vessel

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 04** East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.
- Subblock: A** Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.
- Section: 06** Adsorbers A-D and surrounding structure. West of Administration building. Includes equipment and filters on East and West sides.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 3 - Wearout

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Corrosion on flange

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 04** East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.
- Subblock: A** Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.
- Section: 07** North/South sleeper rack and associated structure running through center of unit.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 5.5 - 2% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 3 - Wearout

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 04** East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.
- Subblock: A** Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.
- Section: 07** North/South sleeper rack and associated structure running through center of unit.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 5.5 - 2% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 3 - Wearout

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Undercutting on piping

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 04** East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.
- Subblock: A** Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.
- Section: 08** Cold box, tower, nitrogen tank, and associated structure up to Degan Compressor.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 5.5 - 2% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 3 - Wearout

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 04** East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.
- Subblock: A** Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.
- Section: 08** Cold box, tower, nitrogen tank, and associated structure up to Degan Compressor.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 5.5 - 2% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 3 - Wearout

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Edge corrosion

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 04** East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.
- Subblock: A** Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.
- Section: 08** Cold box, tower, nitrogen tank, and associated structure up to Degan Compressor.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 5.5 - 2% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 3 - Wearout

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Corrosion on cold box

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 04 East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.

Subblock: B Northeastern corner of Block 4. Administration Building and parking lot. Portable Contractor buildings, and Warehouse.

Section: 01 Exterior of Administration building including equipment on East side.

Environment Rating 3 - Moderate
Visibility: 2 - High Public Visibility or Parade Route
Corrosion Rating: 9.0 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 8 - Design

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 04 East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.

Subblock: B Northeastern corner of Block 4. Administration Building and parking lot. Portable Contractor buildings, and Warehouse.

Section: 02 Portable Office Buildings "F" and "G". Includes equipment on top.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 2 - High Public Visibility or Parade Route

GF - General Plant Fallout

Corrosion Rating: 8.5 - <0.1% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 7 - Fair

Environment Exposure: E - Exterior

Comments: Pressure wash- Mold Delaminationon Air Conditioner Vents



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

- Block: 04** East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.
- Subblock: B** Northeastern corner of Block 4. Administration Building and parking lot. Portable Contractor buildings, and Warehouse.
- Section: 02** Portable Office Buildings "F" and "G". Includes equipment on top.

Environment Rating 3 - Moderate

Environment Codes:

Visibility: 2 - High Public Visibility or Parade Route

GF - General Plant Fallout

Corrosion Rating: 8.5 - <0.1% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 7 - Fair

Environment Exposure: E - Exterior

Comments: Pressure wash- Mold Delaminationon Air Conditioner Vents



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 04 East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.

Subblock: B Northeastern corner of Block 4. Administration Building and parking lot. Portable Contractor buildings, and Warehouse.

Section: 03A Exterior of Warehouse. Includes equipment on top and sides and handrails and bumpers.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 4.5 - 7% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 5 - Localized Corrosion

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior

Comments: Localized corrosion on South side cover and structure.



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 04 East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.

Subblock: B Northeastern corner of Block 4. Administration Building and parking lot. Portable Contractor buildings, and Warehouse.

Section: 3B Interior structure of warehouse.

Environment Rating 4 - Mild

Environment Codes:

Visibility: 6 - Low Traffic or Visibility

IW - Indoor, Warm

Corrosion Rating: 8.5 - <0.1% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 8 - Design

Environment Exposure: I - Interior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 04 East of the Slag Storage Area on the South side of the plant. Contains Air Separation Unit, Administration Building, portable Contractor Buildings, and the warehouse.

Subblock: B Northeastern corner of Block 4. Administration Building and parking lot. Portable Contractor buildings, and Warehouse.

Section: 3B Interior structure of warehouse.

Environment Rating 4 - Mild

Environment Codes:

Visibility: 6 - Low Traffic or Visibility

IW - Indoor, Warm

Corrosion Rating: 8.5 - <0.1% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 8 - Design

Environment Exposure: I - Interior



Slight corrosion inside warehouse

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: A Northernmost single cycle unit in Block 5.
Section: 01 Stack and associated structure up to paneled walls.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 2 - Optimum

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/10/2012



Corrosion on stack

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: A Northernmost single cycle unit in Block 5.
Section: 01 Stack and associated structure up to paneled walls.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 2 - Optimum

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on stack structure

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: A Northernmost single cycle unit in Block 5.
Section: 02 Paneled walls surrounding the piping and equipment East of stack.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 3.5 - 13% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 5 - Localized Corrosion

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior

Comments: Corroding pipe on South Side of section.



General view of section

5/10/2012



Corrosion at joints

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.

Subblock: A Northernmost single cycle unit in Block 5.

Section: 02 Paneled walls surrounding the piping and equipment East of stack.

Environment Rating 3 - Moderate

Visibility: 4 - Hi Employee Traffic or Visibility

Corrosion Rating: 3.5 - 13% rust

Corrosion Type: E - Pitting or Rust Nodules

Priority: 5 - Localized Corrosion

Environment Codes:

SF - Stack Fallout

Environment Exposure: E - Exterior

Comments: Corroding pipe on South Side of section.



Corrosion on piping

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: A Northernmost single cycle unit in Block 5.
Section: 03A Exterior and structure of turbine building East of paneled wall.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 6.0 - 1% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 3 - Wearout

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/10/2012



Corrosion on building

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: A Northernmost single cycle unit in Block 5.
Section: 03B Interior structure, piping and equipment of Turbine building East of paneled wall.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 9.0 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: I - Interior



General view of section

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: A Northernmost single cycle unit in Block 5.
Section: 04 Intake and associated structure.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 7 - Fair

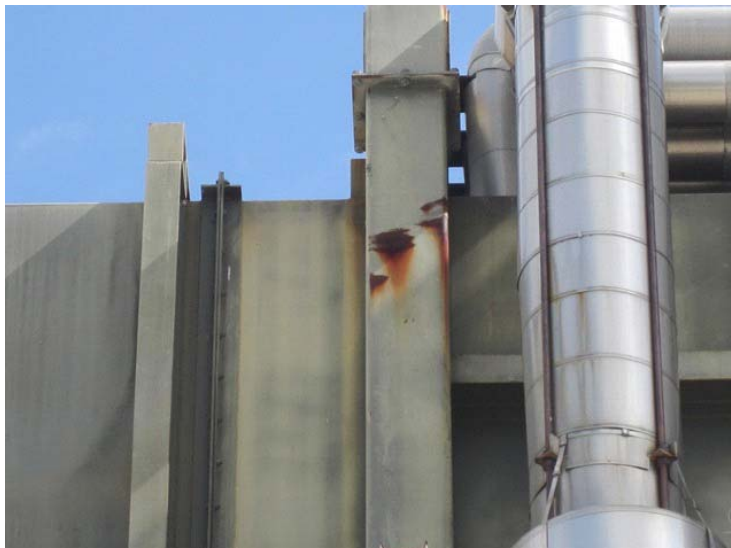
Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/10/2012



Corrosion on filter structure

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: A Northernmost single cycle unit in Block 5.
Section: 05 Generator beneath the Intake and associated piping and structure.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: A Northernmost single cycle unit in Block 5.
Section: 06 Pipe rack on South side of generator heading East toward stone wall. Includes the building below it.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: A Northernmost single cycle unit in Block 5.
Section: 07 Transformer and associated structure East of wall. Includes pump area just North of transformer and small meter station East of transformer, across road.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/10/2012



View of pump station

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: A Northernmost single cycle unit in Block 5.
Section: 07 Transformer and associated structure East of wall. Includes pump area just North of transformer and small meter station East of transformer, across road.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



Corrosion on flange

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: A Northernmost single cycle unit in Block 5.
Section: 08 2 electrical boxes, filters and piping beneath structure North of the turbine building.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/10/2012



Slight corrosion in section

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: A Northernmost single cycle unit in Block 5.
Section: 09 Substation and 2 electrical buildings and structure. Includes 2 electrical buildings North of Substation.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior

Comments: Building has corrosion on south side.



General view of section

5/10/2012



General view of section

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: A Northernmost single cycle unit in Block 5.
Section: 09 Substation and 2 electrical buildings and structure. Includes 2 electrical buildings North of Substation.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior

Comments: Building has corrosion on south side.



Corrosion on electrical boxes

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: A Northernmost single cycle unit in Block 5.
Section: 10 Tank and equipment North of stack. East of pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/10/2012



Corrosion on top of tank

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: A Northernmost single cycle unit in Block 5.
Section: 11A Exterior of tank house Northeast of stack and small pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: C - Covered

Comments: Mold



General view of section

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: A Northernmost single cycle unit in Block 5.
Section: 11B Interior of tank house and tank Northeast of stack.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: P - Partial



General view of section

5/10/2012



Corrosion on structure

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: A Northernmost single cycle unit in Block 5.
Section: 12 Transformers and equipment on South side of unit.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: B Second Northernmost single cycle unit in Block 5.
Section: 01 Stack and associated structure up to paneled walls.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/10/2012



Corrosion on stack structure

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: B Second Northernmost single cycle unit in Block 5.
Section: 01 Stack and associated structure up to paneled walls.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on structure

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: B Second Northernmost single cycle unit in Block 5.
Section: 02 Paneled walls surrounding the piping and equipment East of stack.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 3.5 - 13% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 5 - Localized Corrosion

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior

Comments: Highly Corroded pipe- Inside Door on South Side



General view of section

5/10/2012



Corrosion on piping

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: B Second Northernmost single cycle unit in Block 5.
Section: 03A Exterior and structure of turbine building East of paneled wall.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 6.5 - 0.7% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 2 - Optimum

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/10/2012

Condition Analysis

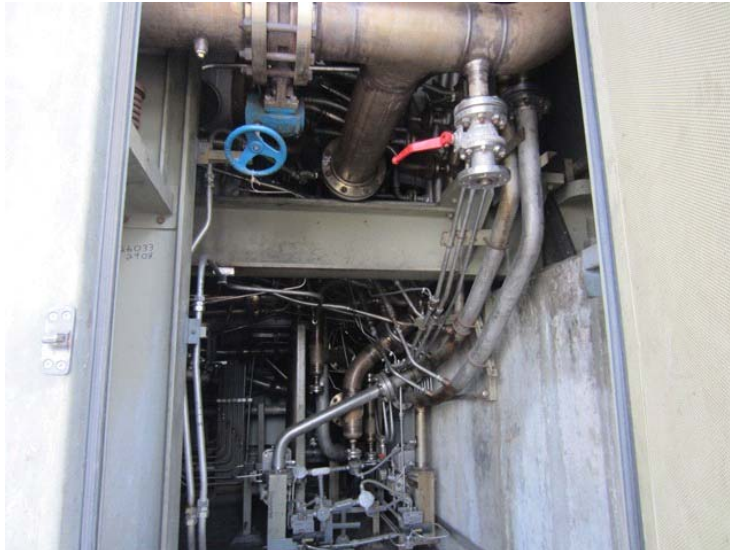
Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: B Second Northernmost single cycle unit in Block 5.
Section: 03B Interior structure, piping and equipment of Turbine building East of paneled wall.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 9.0 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: I - Interior



General view of section

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: B Second Northernmost single cycle unit in Block 5.
Section: 04 Intake and associated structure.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 2 - Optimum

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/10/2012



Coating wear

5/10/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: B Second Northernmost single cycle unit in Block 5.
Section: 05 Generator beneath the Intake and associated piping and structure.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2010



Corrosion on generator

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: B Second Northernmost single cycle unit in Block 5.
Section: 06 Pipe rack on South side of generator heading East toward stone wall. Includes the building below it.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior

Comments: Mold



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: B Second Northernmost single cycle unit in Block 5.
Section: 07 Transformer and associated structure East of wall and the pump are just North.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 8 - Design

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012



View of pump station

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: B Second Northernmost single cycle unit in Block 5.
Section: 08 2 electrical boxes, filters and piping beneath structure North of the turbine building.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012



Minor corrosion on fan

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: B Second Northernmost single cycle unit in Block 5.
Section: 09 Substation and 2 electrical buildings and structure. Includes 2 electrical buildings North of Substation.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 4.0 - 10% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 5 - Localized Corrosion

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior

Comments: Rust on Building Structure



General view of section

5/2/2012



Heavy corrosion on building structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: B Second Northernmost single cycle unit in Block 5.
Section: 09 Substation and 2 electrical buildings and structure. Includes 2 electrical buildings North of Substation.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 4.0 - 10% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 5 - Localized Corrosion

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior

Comments: Rust on Building Structure



Corrosion on building structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: B Second Northernmost single cycle unit in Block 5.
Section: 10 Tank and equipment North of stack. East of pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012



Corrosion on vent

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: B Second Northernmost single cycle unit in Block 5.
Section: 11A Exterior of tank house Northeast of stack and small pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: B Second Northernmost single cycle unit in Block 5.
Section: 11B Interior of tank house and tank Northeast of stack.

Environment Rating 4 - Mild

Visibility: 6 - Low Traffic or Visibility

Corrosion Rating: 7.5 - 0.2% rust

Corrosion Type: D - Undercutting or Mill Scale

Priority: 7 - Fair

Environment Codes:

IW - Indoor, Warm

Environment Exposure: C - Covered

Comments: Mold on Tank



General view of section

5/2/2012



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: B Second Northernmost single cycle unit in Block 5.
Section: 12 Transformers and equipment on South side of unit.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: C Second Southernmost single cycle unit in Block 5.
Section: 01 Stack and associated structure up to paneled wall.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: C - Edge or Pinhole Corrosion
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012



Edge corrosion on stack

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: C Second Southernmost single cycle unit in Block 5.
Section: 02 Paneled Walls surrounding the piping and equipment East of the stack.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 3.5 - 13% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 5 - Localized Corrosion

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior

Comments: Highly Corroded pipe- Inside Door on South Side



General view of section

5/2/2012



Heavy corrosion on piping

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: C Second Southernmost single cycle unit in Block 5.
Section: 03A Exterior of building East of paneled walls up to intake. Includes piping and associated structure/equipment on South side and on top.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: C Second Southernmost single cycle unit in Block 5.
Section: 03B Interior of building East of paneled walls. Includes piping, structure and equipment inside.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 9.0 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: I - Interior

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: C Second Southernmost single cycle unit in Block 5.
Section: 04 Intake and the associated structure and piping.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 8 - Design

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: C Second Southernmost single cycle unit in Block 5.
Section: 05 Generator beneath Intake and associated piping and structure.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 7.5 - 0.2% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: C Second Southernmost single cycle unit in Block 5.
Section: 06 Pipe rack on South side of generator heading East toward stone wall. Includes the equipment under pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 9.0 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 8 - Design

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012



Minor corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: C Second Southernmost single cycle unit in Block 5.
Section: 07 Transformer and associated piping and structure on East side of stone wall. Includes pump area just North of transformer and small meter station East of transformer, across road.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 9.0 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 8 - Design

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: C Second Southernmost single cycle unit in Block 5.
Section: 07 Transformer and associated piping and structure on East side of stone wall. Includes pump area just North of transformer and small meter station East of transformer, across road.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 9.0 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 8 - Design

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of equipment
in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: C Second Southernmost single cycle unit in Block 5.
Section: 08 Structure on North side of unit. Breaker box building and associated piping/equipment.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: C Second Southernmost single cycle unit in Block 5.
Section: 09 CO2 Skid Northwest of stack, piping/structure heading East to 05.C.08, fin fans and piping West of skid, and building Northeast labeled "Water Wash Skid"

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012



Heavy corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: C Second Southernmost single cycle unit in Block 5.
Section: 11 MCC building and transformers on South side of unit.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: C Second Southernmost single cycle unit in Block 5.
Section: 12A Exterior of building on Southwest side of Unit.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: C Second Southernmost single cycle unit in Block 5.
Section: 12B Interior of building on Southwest side of Unit including the piping/equipment inside.

Environment Rating 4 - Mild

Visibility: 6 - Low Traffic or Visibility

Corrosion Rating: 8.0 - 0.1% rust

Corrosion Type: A - No or Minimal Corrosion

Priority: 7 - Fair

Environment Codes:

IW - Indoor, Warm

Environment Exposure: I - Interior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: D Southernmost single cycle unit in Block 5.
Section: 01 Stack and associated structure up to paneled wall.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012



Corrosion on stack

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: D Southernmost single cycle unit in Block 5.
Section: 02 Paneled wall surrounding piping and equipment East of the stack.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 3.5 - 13% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 5 - Localized Corrosion

Environment Codes:
SF - Stack Fallout

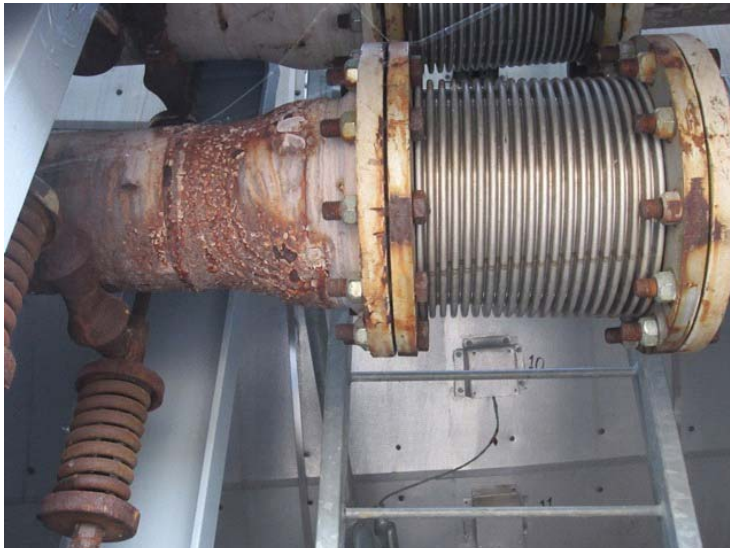
Environment Exposure: E - Exterior

Comments: Highly Corroded pipe- Inside Door on South Side



General view of section

5/2/2012



Heavy corrosion on piping

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: D Southernmost single cycle unit in Block 5.
Section: 03A Exterior of building East of paneled wall up to Intake. Includes piping and associated structure/equipment on South side and on top.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: D Southernmost single cycle unit in Block 5.
Section: 03B Interior of building East of paneled wall. Includes piping and equipment/structure inside.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 9.0 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: I - Interior

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: D Southernmost single cycle unit in Block 5.
Section: 04 Intake and associated structure and piping.

Environment Rating 3 - Moderate
Visibility: 3 - Tank Area
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior

Comments: Coating Blisters



General view of section

5/2/2012



Minor corrosion in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: D Southernmost single cycle unit in Block 5.
Section: 05 Generator beneath the Intake and associated piping and structure.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: D Southernmost single cycle unit in Block 5.
Section: 06 Pipe rack on South side of generator heading East toward stone wall. Includes equipment beneath pipe rack.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 9.0 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 8 - Design

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012



Minor corrosion in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: D Southernmost single cycle unit in Block 5.
Section: 07 Transformer and associated piping/structure on East side of stone wall. Includes pump area just North.

Environment Rating 3 - Moderate
Visibility: 6 - Low Traffic or Visibility
Corrosion Rating: 9.0 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 8 - Design

Environment Codes:
GF - General Plant Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012



General view of equipment in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: D Southernmost single cycle unit in Block 5.
Section: 08 Structure on North side of Unit. Breaker box unit and associated piping/equipment.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: B - Surface Rust
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012



Corrosion on structure

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: D Southernmost single cycle unit in Block 5.
Section: 09 CO2 Skid Northwest of stack, piping/structure heading East to 05.D.08, and fin fans and piping West of skid.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: D Southernmost single cycle unit in Block 5.
Section: 09 CO2 Skid Northwest of stack, piping/structure heading East to 05.D.08, and fin fans and piping West of skid.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 7.0 - 0.3% rust
Corrosion Type: E - Pitting or Rust Nodules
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



Corrosion on supports

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: D Southernmost single cycle unit in Block 5.
Section: 10 Electrical building Northeast of the intake.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.5 - <0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 8 - Design

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: D Southernmost single cycle unit in Block 5.
Section: 11 MCC building and transformers on South side of the unit.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: D Southernmost single cycle unit in Block 5.
Section: 11 MCC building and transformers on South side of the unit.

Environment Rating 3 - Moderate
Visibility: 5 - Moderate Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: A - No or Minimal Corrosion
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of MCC building in section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: E Pipe racks in the Northwestern section of Block 5. Heads Northwest off of 05.A
Section: 01 North/South pipe rack located South of units 05.A/05.B. Includes structure and equipment. Stops where pipe rack drops to ground level.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012

Condition Analysis

Date Surveyed (YY/MM): 12/05

Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.
Subblock: E Pipe racks in the Northwestern section of Block 5. Heads Northwest off of 05.A
Section: 02 Northwest/Southeast pipe rack running from north side of 5A to the road.

Environment Rating 3 - Moderate
Visibility: 4 - Hi Employee Traffic or Visibility
Corrosion Rating: 8.0 - 0.1% rust
Corrosion Type: D - Undercutting or Mill Scale
Priority: 7 - Fair

Environment Codes:
SF - Stack Fallout

Environment Exposure: E - Exterior



General view of section

5/2/2012