

## Condition Analysis

**Plant :** *TECO Tampa Electric*

<i>Survey Date</i>	<i>Exposure</i>	<i>Environment</i>	<i>Visibility</i>	<i>Conditon</i>	<i>Corr Type</i>	<i>Priority</i>	<i>Schedule Value</i>	<i>Scope/Spec-Difficulty</i>	<i>Pct to do</i>
<b>Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.</b>									
<b>SubBlock: A On West side of Block 1. Contains Flare, pipe racks to flare, and conveyor belt.</b>									
<b>Section: 01 Flare and associated structure.</b>									
12/05	Exterior	2 Severe	5 Moderate Traffic or Visibility	3	Wearout			STR 06D 3	100%
		Elevated Temperatures	5.0 3% Rust	B	Surface Rust		<b>35.0</b>	Structure	
<i>Note:</i> Heavy Corrosion at base of Flare									
<b>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.</b>									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	4	Substandard			PR 01C 4	100%
		General Plant Fallout	5.0 3% Rust	E	Pitting or Rust Nodules		<b>40.0</b>	Piperack	
<i>Note:</i> Heavy Undercutting- Beginning Stages of Pittings.									
<b>Section: 02B Pipe rack that starts at South side of road and runs North to flare.</b>									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	4	Substandard			PR 01C 4	100%
		General Plant Fallout	5.5 2% Rust	E	Pitting or Rust Nodules		<b>41.0</b>	Piperack	
<i>Note:</i> Heavy Undercutting- Beginning Stages of Pittings.									
<b>Section: 03 Conveyor belt running East/West from ground into silos and associated structure. Includes stairway to Southwest.</b>									
12/05	Exterior	2 Severe	4 Hi Employee Traffic or Visibility	4	Substandard			STR 02C 5	100%
		Coal Handling	4.0 10% Rust	C	Edge or Pinhole Corrosio		<b>38.0</b>	Structure	
<b>Section: 04A Exterior of building at West end of conveyor belt.</b>									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	7	Fair			SID 01A 4	100%
		General Plant Fallout	8.5 <0.1% Rust	A	No or Minimal Corrosion		<b>19.0</b>		
<b>Section: 04B Equipment below and structure up to building at West end of conveyor belt.</b>									
12/05	Exterior	2 Severe	5 Moderate Traffic or Visibility	2	Optimum			EQUIP 02A 4	100%
		Coal Handling	7.0 0.3% Rust	A	No or Minimal Corrosion		<b>28.0</b>	Equipment	
<b>Section: 04C Interior of structure at West end of conveyor belt.</b>									
12/05	Combo	2 Severe	6 Low Traffic or Visibility	7	Fair			STR 02A 3	100%
		Coal Handling	7.5 0.2% Rust	B	Surface Rust		<b>21.0</b>	Structure	
<b>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.</b>									
12/05	Exterior	3 Moderate	6 Low Traffic or Visibility	2	Optimum			PRS 01A 3	100%
		General Plant Fallout	6.5 0.7% Rust	B	Surface Rust		<b>30.0</b>	Sleeper Piperack	
<b>Section: 05B Bullet tank at far West end of East/West pipe rack coming from flare.</b>									
12/05	Exterior	3 Moderate	6 Low Traffic or Visibility	7	Fair			VES 01A 3	100%
		General Plant Fallout	8.0 0.1% Rust	B	Surface Rust		<b>19.0</b>	Vessel and ass'd items	
<b>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.</b>									
<b>Section: 01A Structure and equipment surrounding, inside and on top of silos.</b>									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	4	Substandard			PROC 01A 4	100%
		General Plant Fallout	5.0 3% Rust	D	Undercutting or Mill Scal		<b>37.0</b>	Process Area	
<i>Note:</i> Heavy Undercutting									
<b>Section: 01B Electrical boxes and substation near silos.</b>									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	7	Fair			ELEC 01A 3	100%
		General Plant Fallout	7.5 0.2% Rust	C	Edge or Pinhole Corrosio		<b>22.0</b>	Electrical Equipment	

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Survey Date YY/MM	Exposure	Environment	Visibility	Conditon	Corr Type	Priority	Schedule Value	Scope/Spec-Difficulty	Pct to do
<b>Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.</b>									
<b>SubBlock: B</b> <u>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.</u>									
<b>Section: 02 Conveyor belt and structure starting at ground on East side of silos heading to slurry building.</b>									
12/05	Exterior	2 Severe	4	Hi Employee Traffic or Visibility	4	Substandard		STR 02C 5	100%
		Coal Handling	4.0	10% Rust	C	Edge or Pinhole Corrosio	38.0	Structure	
<i>Note:</i> Heavy surface rust, edge corrosion.									
<b>Section: 03A Exterior of Slurry Building.</b>									
12/05	Exterior	3 Moderate	3	Tank Area		7 Fair		SID 01A 3	100%
		General Plant Fallout	8.5	<0.1% Rust	A	No or Minimal Corrosion	20.0		
<b>Section: 03B East side of the interior structure in the Slurry Building. (Building divided by columns on the West side of GEHO pump).</b>									
12/05	Interior	3 Moderate	6	Low Traffic or Visibility		4 Substandard		STR 01A 3	100%
		Product Contamination	8.0	0.1% Rust	D	Undercutting or Mill Scal	29.0	Structure	
<i>Note:</i> Couldn't walk in building- Flooded with water.									
<b>Section: 03C All equipment and piping on the East side of Slurry Building. (Building divided by columns on the West side of GEHO pump).</b>									
12/05	Interior	3 Moderate	6	Low Traffic or Visibility		7 Fair		PROC 01A 3	100%
		Product Contamination	7.0	0.3% Rust	B	Surface Rust	19.0	Process Area	
<b>Section: 03D West side of the interior structure in the Slurry Building. (Building divided by columns on the West side of GEHO pump).</b>									
12/05	Interior	3 Moderate	6	Low Traffic or Visibility		1 Advanced Corrosion		STR 01C 5	100%
		Product Contamination	4.5	7% Rust	E	Pitting or Rust Nodules	42.0	Structure	
<b>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).</b>									
12/05	Interior	3 Moderate	6	Low Traffic or Visibility		3 Wearout		PROC 01A 3	100%
		Product Contamination	6.5	0.7% Rust	B	Surface Rust	29.0	Process Area	
<i>Note:</i> Hard to view due to product contamination.									
<b>Section: 03F Exterior roof area of Slurry Building.</b>									
12/05	Exterior	2 Severe	5	Moderate Traffic or Visibility		1 Advanced Corrosion		PROC 02C 5	100%
		Coal Handling	4.0	10% Rust	E	Pitting or Rust Nodules	45.0	Process Area	
<b>SubBlock: C</b> <u>Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks</u>									
<b>Section: 01A Exterior and structure of storage building on North side of Unit.</b>									
12/05	Exterior	3 Moderate	5	Moderate Traffic or Visibility		7 Fair		SID 01A 3	100%
		General Plant Fallout	7.0	0.3% Rust	C	Edge or Pinhole Corrosio	22.0		
<i>Note:</i> Corrosion on bottom edge of siding.									
<b>Section: 01B Interior of storage building at North side of unit.</b>									
12/05	Exterior	4 Mild	6	Low Traffic or Visibility		5 Localized Corrosion		STR 01A 3	5%
		Indoor, Warm	6.0	1% Rust	E	Pitting or Rust Nodules	38.0	Structure	
<i>Note:</i> Heavy Corrosion- Localized									
<b>Section: 01C Covered chemical storage area that includes extension to pipe rack.</b>									
12/05	Exterior	3 Moderate	5	Moderate Traffic or Visibility		7 Fair		STR 01A 3	100%
		General Plant Fallout	6.5	0.7% Rust	B	Surface Rust	24.0	Structure	

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YY/MM	Environment	Condition	Type	Priority	Value	Scope/Spec-Difficulty
<b>Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.</b>						
<b>SubBlock: C Brine Unit. West of the Acid Plant and North of the Gasification Structure. Contains equipment, pipe racks, and tanks</b>						
<b>Section: 02 Structure, piping and equipment West of North/South pipe rack. North of 01.C.03A. Includes tank.</b>						
12/05	Exterior	2 Severe	5 Moderate Traffic or Visibility	1 Advanced Corrosion	PROC 02C 4	100%
	Brine	4.5 7% Rust	F Holes or Stratifications	48.0	Process Area	
<b>Section: 03A Multilevel structure on West side of North/South pipe rack. Includes structure, piping, and equipment.</b>						
12/05	Exterior	2 Severe	5 Moderate Traffic or Visibility	5 Localized Corrosion	PROC 02A 4	5%
	Brine	6.0 1% Rust	B Surface Rust	36.0	Process Area	
<i>Note: Localized- Miscellaneous Piping, Valves, Flanges. (Thin wall thickness.)</i>						
<b>Section: 03B Smaller multilevel structure just South of 01.C.3A. Includes piping, equipment, and structure.</b>						
12/05	Exterior	2 Severe	5 Moderate Traffic or Visibility	1 Advanced Corrosion	PROC 02B 4	100%
	Brine	4.0 10% Rust	F Holes or Stratifications	48.0	Process Area	
<b>Section: 04 North/South pipe rack and associated structure running through center of 01.C.</b>						
12/05	Exterior	2 Severe	5 Moderate Traffic or Visibility	1 Advanced Corrosion	PR 02B 5	100%
	Brine	3.5 13% Rust	E Pitting or Rust Nodules	46.0	Piperack	
<i>Note: Heavy Corrosion- Pitting Apparent</i>						
<b>Section: 05 4 tanks running along East side of North/South pipe rack ending South of building.</b>						
12/05	Exterior	2 Severe	3 Tank Area	5 Localized Corrosion	TNK 02A 3	20%
	Brine	6.0 1% Rust	C Edge or Pinhole Corrosio	39.0	Small Tank	
<i>Note: Tanks Fair- Handrails, Spiral Ladders, Piping need paint.</i>						
<b>SubBlock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.</b>						
<b>Section: 01 Loading rack on North side of East/West road at Northernmost part of unit and small adjacent building.</b>						
12/05	Exterior	2 Severe	5 Moderate Traffic or Visibility	4 Substandard	MISC 02A 3	100%
	Acid Area	5.0 3% Rust	D Undercutting or Mill Scal	39.0	Misc Small Job	
<b>Section: 02 North/South pipe rack beginning at North side of East/West road. Heads South to Acid Area. Includes extension West to tank.</b>						
12/05	Exterior	2 Severe	5 Moderate Traffic or Visibility	4 Substandard	PR 02C 3	100%
	Acid Area	5.0 3% Rust	D Undercutting or Mill Scal	39.0	Piperack	
<b>Section: 03 Tank and structure within dikes. West of North/South pipe rack.</b>						
12/05	Exterior	2 Severe	3 Tank Area	5 Localized Corrosion	TNK 02A 3	10%
	Acid Area	6.0 1% Rust	D Undercutting or Mill Scal	41.0	Small Tank	
<i>Note: Tank Fair, Handrails, Ladder, Platform Southside needs repair.</i>						
<b>Section: 04 3 towers in Northwest part of the Acid Area and associated structure.</b>						
12/05	Exterior	2 Severe	3 Tank Area	3 Wearout	STK 06D 3	100%
	Elevated Temperatures	6.0 1% Rust	B Surface Rust	38.0	Stack	
<b>Section: 05 Exchanger area South of Tank that includes structure and piping. Also includes preheater structure due South.</b>						
12/05	Exterior	2 Severe	5 Moderate Traffic or Visibility	3 Wearout	FURN 06D 3	100%
	Elevated Temperatures	6.0 1% Rust	D Undercutting or Mill Scal	41.0	Furnace, Heater, Boiler	
<i>Note: Undercutting on Preheater Structure.</i>						

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<b>Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.</b>									
<b>SubBlock: D The Acid Plant. East of the Brine Unit. Contains equipment and pipe racks.</b>									
<b>Section: 06 Acid Compressor Skid West of Acid area. Includes Southwestern most tower in Acid Area and all associated piping/structure.</b>									
12/05	Exterior Acid Area	2 Severe	5 Moderate Traffic or Visibility	5 Localized Corrosion	5	Localized Corrosion	35.0	PROC 02A 3 Process Area	100%
			6.0 1% Rust	A No or Minimal Corrosion					
<i>Note:</i> Localized, Undercutting on Structure Southeast side of Section.									
<b>Section: 07 Multilevel structure in the Southern Acid Process Area and pump area just Southwest. Includes all associated equipment, piping and structure.</b>									
12/05	Exterior Acid Area	2 Severe	5 Moderate Traffic or Visibility	3 Wearout	3	Wearout	41.0	PROC 02A 4 Process Area	100%
			6.0 1% Rust	D Undercutting or Mill Scal					
<i>Note:</i> Edge of Corrosion on Structure. Some Undercutting on West side.									
<b>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.</b>									
12/05	Exterior Acid Area	2 Severe	5 Moderate Traffic or Visibility	3 Wearout	3	Wearout	41.0	PR 02A 4 Piperack	100%
			6.0 1% Rust	D Undercutting or Mill Scal					
<b>Section: 09 All equipment, piping and structure on east side of pipe rack in Northern Acid Area.</b>									
12/05	Exterior Acid Area	2 Severe	5 Moderate Traffic or Visibility	3 Wearout	3	Wearout	39.0	PROC 02A 4 Process Area	100%
			6.0 1% Rust	C Edge or Pinhole Corrosio					
<b>Section: 10A Exterior of Acid Plant Substation "8B".</b>									
12/05	Exterior Acid Area	2 Severe	5 Moderate Traffic or Visibility	7 Fair	7	Fair	21.0	BLK 02A 3 Block, Brick, Concrete	100%
			8.5 <0.1% Rust	A No or Minimal Corrosion					
<b>Section: 10B Interior of Acid Plant Substation "8B".</b>									
12/05	Interior Indoor, Warm	4 Mild	6 Low Traffic or Visibility	8 Design	8	Design	12.0	BLK 01A 3 Block, Brick, Concrete	100%
			9.0 <0.1% Rust	A No or Minimal Corrosion					
<b>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.</b>									
12/05	Exterior Acid Area	2 Severe	5 Moderate Traffic or Visibility	2 Optimum	2	Optimum	37.0	PROC 02A 3 Process Area	100%
			6.5 0.7% Rust	D Undercutting or Mill Scal					
<b>Section: 12 Southeast corner of 01.D. Air compressors, tanks, and associated structure and piping.</b>									
12/05	Exterior Acid Area	2 Severe	5 Moderate Traffic or Visibility	5 Localized Corrosion	5	Localized Corrosion	38.0	PROC 02A 3 Process Area	50%
			6.0 1% Rust	C Edge or Pinhole Corrosio					
<i>Note:</i> Localized- Miscellaneous structure and pipe in Section and Pumps on West side.									
<b>SubBlock: E Southeast corner of Block 1. East of Gasification Unit and South of Brine Unit. Contains pumps, tanks and a pipe rack.</b>									
<b>Section: 01 North/South pipe rack that tees into East/west pipe rack North of Administration building and associated piping/structure.</b>									
12/05	Exterior Stack Fallout	3 Moderate	5 Moderate Traffic or Visibility	3 Wearout	3	Wearout	39.0	PROC 01C 3 Process Area	100%
			6.0 1% Rust	D Undercutting or Mill Scal					
<b>Section: 02A Boiler and multilevel structure South of East/West pipe rack.</b>									
12/05	Exterior Stack Fallout	3 Moderate	3 Tank Area	3 Wearout	3	Wearout	36.0	PROC 01C 4 Process Area	100%
			6.0 1% Rust	B Surface Rust					

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<b>Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.</b>									
<b>SubBlock: E Southeast corner of Block 1. East of Gasification Unit and South of Brine Unit. Contains pumps, tanks and a pipe rack.</b>									
<b>Section: 02B Pumps and tanks running along East side of North/South pipe rack South of boiler.</b>									
12/05	Exterior	3 Moderate	3 Tank Area	7 Fair				PROC 01A 3	100%
	Stack Fallout		7.5 0.2% Rust	D Undercutting or Mill Scal		25.0		Process Area	
<b>Section: 03 Pumps and tanks running along West side of North/South pipe rack.</b>									
12/05	Exterior	3 Moderate	4 Hi Employee Traffic or Visibility	7 Fair				PROC 01A 3	100%
	Stack Fallout		7.0 0.3% Rust	D Undercutting or Mill Scal		25.0		Process Area	
<b>SubBlock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.</b>									
<b>Section: 01 East/West pipe rack where it widens to where it 90's North. Includes equipment on South side of pipe rack.</b>									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	4 Substandard				PR 01C 3	100%
	General Plant Fallout		3.5 13% Rust	D Undercutting or Mill Scal		38.0		Piperack	
<b>Section: 02A East/West pipe rack at wide part South of Slurry building. Includes extension into slurry. Heads East for 16 bays.</b>									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	4 Substandard				PR 01C 3	100%
	General Plant Fallout		4.5 7% Rust	D Undercutting or Mill Scal		31.0		Piperack	
<b>Section: 02B East/West pipe rack running East from tee in North/South rack 14 bays to East side of roadway.</b>									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	4 Substandard				PR 01C 3	100%
	General Plant Fallout		4.5 7% Rust	D Undercutting or Mill Scal		37.0		Piperack	
<b>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.</b>									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	7 Fair				ELEC 01A 4	100%
	General Plant Fallout		7.0 0.3% Rust	C Edge or Pinhole Corrosio		22.0		Electrical Equipment	
<b>Section: 04 Pump area and both sides of tank on South side of East/West pipe rack.</b>									
12/05	Exterior	2 Severe	5 Moderate Traffic or Visibility	1 Advanced Corrosion				PROC 02A 4	100%
	Coal Handling		5.0 3% Rust	F Holes or Stratifications		48.0		Process Area	
	<i>Note:</i> Metal lose on Structure on Southwest side of tank.								
<b>Section: 05 Tower and associated structure South of tank.</b>									
12/05	Exterior	2 Severe	4 Hi Employee Traffic or Visibility	3 Wearout				TWR 02A 3	100%
	Coal Handling		5.0 3% Rust	B Surface Rust		36.0		Tower, Column and ass'd ite	
<b>Section: 06 Multilevel structure and process area South of tower.</b>									
12/05	Exterior	2 Severe	5 Moderate Traffic or Visibility	1 Advanced Corrosion				STR 02C 4	100%
	Coal Handling		3.5 13% Rust	F Holes or Stratifications		49.0		Structure	
	<i>Note:</i> Metal Loss Throughout.								
<b>Section: 07 North/South pipe rack running off of East/West pipe rack South to Gasification structure. Includes all associated equipment and structure.</b>									
12/05	Exterior	2 Severe	5 Moderate Traffic or Visibility	1 Advanced Corrosion				PR 02A 3	100%
	Coal Handling		5.0 3% Rust	E Pitting or Rust Nodules		45.0		Piperack	
<b>Section: 08A Multilevel structure and equipment West of North/South pipe rack and North of Amine Stripper.</b>									
12/05	Exterior	2 Severe	5 Moderate Traffic or Visibility	1 Advanced Corrosion				PROC 02C 5	100%
	Coal Handling		5.5 2% Rust	E Pitting or Rust Nodules		46.0		Process Area	

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YY/MM									
<b>Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.</b>									
<b>SubBlock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.</b>									
<b>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.</b>									
12/05	Exterior	2 Severe	5	Moderate Traffic or Visibility	3	Wearout		PROC 02A 4	100%
	Coal Handling		6.5	0.7% Rust	B	Surface Rust	32.0	Process Area	
<b>Section: 09 Multilevel structure, piping and equipment North of the Gasification structure on West side. Includes 2 insulated tanks.</b>									
12/05	Exterior	2 Severe	5	Moderate Traffic or Visibility	3	Wearout		PROC 02A 4	100%
	Coal Handling		6.0	1% Rust	D	Undercutting or Mill Scal	41.0	Process Area	
<b>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.</b>									
12/05	Exterior	3 Moderate	5	Moderate Traffic or Visibility	1	Advanced Corrosion		STR 01A 3	100%
	General Plant Fallout		4.5	7% Rust	F	Holes or Stratifications	46.0	Structure	
<b>Section: 11 Substation "I/06" on West side of Gasification structure. South of East/West pipe rack.</b>									
12/05	Exterior	3 Moderate	5	Moderate Traffic or Visibility	7	Fair		SID 01A 3	100%
	General Plant Fallout		7.5	0.2% Rust	C	Edge or Pinhole Corrosio	22.0		
<b>Section: 12 Substation 6 on West side of Gasification structure. North of East/West pipe rack.</b>									
12/05	Exterior	3 Moderate	5	Moderate Traffic or Visibility	7	Fair		SID 01A 3	100%
	General Plant Fallout		7.5	0.2% Rust	C	Edge or Pinhole Corrosio	22.0		
<b>Section: 13 Electrical equipment on North side of Substation 6 and associated structure.</b>									
12/05	Exterior	3 Moderate	5	Moderate Traffic or Visibility	7	Fair		ELEC 01A 3	100%
	General Plant Fallout		7.5	0.2% Rust	C	Edge or Pinhole Corrosio	22.0	Electrical Equipment	
<b>Section: 14 Southwest of Gasification structure, tank, equipment and piping inside dyke.</b>									
12/05	Exterior	3 Moderate	3	Tank Area	2	Optimum		TNK 01A 3	100%
	General Plant Fallout		7.0	0.3% Rust	C	Edge or Pinhole Corrosio	30.0	Small Tank	
	Note: Optimum- Pinhole Corrosion Northwest side.								
<b>Section: 15 Pipe rack heading South out of West side of Gasification structure. Includes extension East/West and orange bullet tank.</b>									
12/05	Exterior	3 Moderate	4	Hi Employee Traffic or Visibility	1	Advanced Corrosion		PR 01C 4	100%
	General Plant Fallout		3.0	16% Rust	F	Holes or Stratifications	48.0	Piperack	
<b>Section: 16 Empty dike area with a small amount of equipment on North side. Yellow bumpers on outskirts.</b>									
12/05	Exterior	2 Severe	5	Moderate Traffic or Visibility	8	Design		MISC 01A 3	100%
	Effluent Vapors		8.5	<0.1% Rust	A	No or Minimal Corrosion	19.0	Misc Small Job	
<b>Section: 17 Equipment, structure and piping on South side of Gasification structure where conveyor comes to ground.</b>									
12/05	Exterior	2 Severe	4	Hi Employee Traffic or Visibility	4	Substandard		PROC 01C 4	100%
	Coal Handling		6.0	1% Rust	D	Undercutting or Mill Scal	42.0	Process Area	
<b>Section: 18 North/South pipe rack on Easternmost side of 01.F. Includes equipment and the extension West into the Gasification structure.</b>									
12/05	Exterior	3 Moderate	5	Moderate Traffic or Visibility	4	Substandard		PR 01C 3	100%
	General Plant Fallout		5.5	2% Rust	D	Undercutting or Mill Scal	38.0	Piperack	
	Note: Heavy Corrosion Visible- Undercutting Throughout								



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<b>Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.</b>									
<b>SubBlock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.</b>									
<b>Section: 19A Top floor of West wing.</b>									
12/05	Exterior	2 Severe	3 Tank Area			4 Substandard		STR 02B 6	100%
	Coal Handling		5.0 3% Rust	D Undercutting or Mill Scal			40.0	Structure	
<b>Section: 19B Actual 5th floor of West wing of Gasification structure labeled as 6th floor.</b>									
12/05	Exterior	2 Severe	3 Tank Area			5 Localized Corrosion		MISC 02A 4	5%
	Coal Handling		7.5 0.2% Rust	D Undercutting or Mill Scal			32.0	Misc Small Job	
<b>Section: 19C Fourth floor of West wing of Gasification structure.</b>									
12/05	Exterior	2 Severe	3 Tank Area			5 Localized Corrosion		MISC 02A 4	5%
	Coal Handling		7.5 0.2% Rust	D Undercutting or Mill Scal			32.0	Misc Small Job	
<b>Section: 19D Third floor of West wing of Gasification structure.</b>									
12/05	Exterior	2 Severe	3 Tank Area			5 Localized Corrosion		MISC 02A 4	5%
	Coal Handling		7.5 0.2% Rust	D Undercutting or Mill Scal			32.0	Misc Small Job	
<i>Note: Localized-Flanges, Valves, and Pipe</i>									
<b>Section: 19E Second floor of West wing of Gasification structure.</b>									
12/05	Exterior	2 Severe	3 Tank Area			5 Localized Corrosion		MISC 02A 4	5%
	Coal Handling		7.5 0.2% Rust	D Undercutting or Mill Scal			32.0	Misc Small Job	
<b>Section: 19F Ground floor of West wing of Gasification structure.</b>									
12/05	Exterior	2 Severe	3 Tank Area			2 Optimum		STR 02A 3	100%
	Coal Handling		7.0 0.3% Rust	C Edge or Pinhole Corrosio			32.0	Structure	
<b>Section: 19G East/West pipe rack just North of West wing of Gasification structure.</b>									
12/05	Exterior	2 Severe	5 Moderate Traffic or Visibility			1 Advanced Corrosion		PR 02B 3	100%
	Coal Handling		4.0 10% Rust	E Pitting or Rust Nodules			45.0	Piperack	
<b>Section: 20A Top floor of Gasification structure. Sundeck.</b>									
12/05	Exterior	2 Severe	3 Tank Area			4 Substandard		STR 02B 4	100%
	Coal Handling		5.0 3% Rust	D Undercutting or Mill Scal			40.0	Structure	
<b>Section: 20B 15th floor of the Gasification unit.</b>									
12/05	Exterior	2 Severe	3 Tank Area			4 Substandard		STR 02B 8	100%
	Coal Handling		4.5 7% Rust	E Pitting or Rust Nodules			43.0	Structure	
<i>Note: Pitting and Rust Nodules on Bottom of Roof Deck.</i>									
<b>Section: 20C 14th floor of the Gasification unit.</b>									
12/05	Exterior	2 Severe	3 Tank Area			1 Advanced Corrosion		STR 02B 8	100%
	Coal Handling		4.5 7% Rust	F Holes or Stratifications			49.0	Structure	
<i>Note: Pitting, Rust Nodules on Bottom of Roof Deck, and Metal Loss</i>									
<b>Section: 20D Actual 13th floor of the Gasification unit. Labeled 13.5.</b>									
12/05	Combo	2 Severe	5 Moderate Traffic or Visibility			5 Localized Corrosion		STR 02A 8	5%
	Coal Handling		6.0 1% Rust	C Edge or Pinhole Corrosio			38.0	Structure	
<i>Note: Localized Corrosion on Structure</i>									
<b>Section: 20E Actual 12th floor of the Gasification structure. Labeled 13th.</b>									
12/05	Combo	2 Severe	5 Moderate Traffic or Visibility			5 Localized Corrosion		STR 02A 8	5%
	Coal Handling		6.5 0.7% Rust	C Edge or Pinhole Corrosio			33.0	Structure	

### Condition Analysis

**Plant :** *TECO Tampa Electric*

<i>Survey Date</i>						<i>Corr</i>	<i>Schedule</i>		<i>Pct to do</i>
<i>YY/MM</i>	<i>Exposure</i>	<i>Environment</i>	<i>Visibility</i>	<i>Conditon</i>	<i>Type</i>	<i>Priority</i>	<i>Value</i>	<i>Scope/Spec-Difficulty</i>	
<b>Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.</b>									
<b>SubBlock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.</b>									
<b>Section: 20F Actual 11th floor of Gasification structure. Labeled 12-3/4.</b>									
12/05	Exterior	2 Severe	3 Tank Area		4 Substandard			STR 02B 8	100%
	Coal Handling		6.0 1% Rust	E	Pitting or Rust Nodules	45.0		Structure	
<i>Note:</i> Heavy Undercutting and some Rust Nodules viewed									
<b>Section: 20G 1.5 floors labeled 12.5 and 12.</b>									
12/05	Exterior	2 Severe	3 Tank Area		4 Substandard			STR 02B 8	100%
	Coal Handling		4.5 7% Rust	E	Pitting or Rust Nodules	43.0		Structure	
<i>Note:</i> Heavy Corrosion Throughout									
<b>Section: 20H 1.5 floors labeled 10.5 and 10.</b>									
12/05	Exterior	2 Severe	3 Tank Area		1 Advanced Corrosion			STR 02B 8	100%
	Coal Handling		4.5 7% Rust	F	Holes or Stratifications	49.0		Structure	
<i>Note:</i> Metal Loss Apparent									
<b>Section: 20J Actual 8th floor of Gasification unit. Labeled as 9.5.</b>									
12/05	Exterior	2 Severe	3 Tank Area		4 Substandard			STR 02B 8	100%
	Coal Handling		4.5 7% Rust	E	Pitting or Rust Nodules	43.0		Structure	
<i>Note:</i> Pitting Apparent- Heavy Undercoating									
<b>Section: 20K Actual 7th floor of the middle section of the Gasification unit. Labeled as 9th.</b>									
12/05	Exterior	2 Severe	3 Tank Area		1 Advanced Corrosion			STR 02B 8	100%
	Coal Handling		4.5 7% Rust	F	Holes or Stratifications	49.0		Structure	
<b>Section: 20L Actual 6th floor of the middle section of the Gasification structure. Labeled as 7th.</b>									
12/05	Exterior	2 Severe	3 Tank Area		1 Advanced Corrosion			STR 02B 8	100%
	Coal Handling		4.5 7% Rust	F	Holes or Stratifications	49.0		Structure	
<b>Section: 20M Actual 5th floor of the middle section of the Gasification unit. Labeled as 6th floor.</b>									
12/05	Exterior	2 Severe	3 Tank Area		1 Advanced Corrosion			STR 02B 8	100%
	Coal Handling		4.5 7% Rust	F	Holes or Stratifications	49.0		Structure	
<b>Section: 20N Fourth floor of the middle section of the Gasification structure.</b>									
12/05	Exterior	2 Severe	3 Tank Area		4 Substandard			STR 02B 8	100%
	Coal Handling		4.5 7% Rust	D	Undercutting or Mill Scal	40.0		Structure	
<b>Section: 20P Third floor of the middle section of the Gasification structure.</b>									
12/05	Exterior	2 Severe	3 Tank Area		1 Advanced Corrosion			STR 02B 8	100%
	Coal Handling		4.5 7% Rust	F	Holes or Stratifications	49.0		Structure	
<i>Note:</i> Heavy Undercoating, Pitting Visable and Metal Loss									
<b>Section: 20Q Second floor of the middle section of the Gasification structure.</b>									
12/05	Exterior	2 Severe	3 Tank Area		1 Advanced Corrosion			STR 02B 6	100%
	Coal Handling		5.0 3% Rust	F	Holes or Stratifications	49.0		Structure	
<i>Note:</i> Heavy Corrosion- Metal Loss									
<b>Section: 20R Ground floor in the middle section of the Gasification structure.</b>									
12/05	Exterior	2 Severe	3 Tank Area		4 Substandard			STR 02B 6	100%
	Coal Handling		6.0 1% Rust	D	Undercutting or Mill Scal	42.0		Structure	
<i>Note:</i> Very Hard to View Corrosion- Covered with Coal Dust									



### Condition Analysis

Plant : **TECO Tampa Electric**

Survey Date YY/MM	Exposure	Environment	Visibility	Conditon	Corr Type	Priority	Schedule Value	Scope/Spec-Difficulty	Pct to do
<b>Block: 01 Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.</b>									
<b>SubBlock: F Gasification Unit. South Central are in Block 1. Contains a 16 story structure, tanks, equipment, and substations.</b>									
<b>Section: 21A Top floor of East wing of Gasification structure.</b>									
12/05	Exterior	2 Severe	3	Tank Area		4 Substandard		STR 02B 6	100%
	Coal Handling		5.0	3% Rust	D	Undercutting or Mill Scal	40.0	Structure	
<b>Section: 21B Actual 5th floor of East wing of Gasification structure. Labeled as 6th floor.</b>									
12/05	Exterior	2 Severe	3	Tank Area		5 Localized Corrosion		MISC 02A 4	5%
	Coal Handling		7.5	0.2% Rust	D	Undercutting or Mill Scal	32.0	Misc Small Job	
<b>Section: 21C Fourth floor of East wing of Gasification structure.</b>									
12/05	Exterior	2 Severe	3	Tank Area		5 Localized Corrosion		MISC 02A 4	5%
	Coal Handling		7.5	0.2% Rust	D	Undercutting or Mill Scal	32.0	Misc Small Job	
<i>Note:</i> Localized- Miscellaneous Pipe and Handrails- Structure Good.									
<b>Section: 21D Third floor of East wing of Gasification structure.</b>									
12/05	Exterior	2 Severe	3	Tank Area		5 Localized Corrosion		MISC 02A 4	5%
	Coal Handling		7.5	0.2% Rust	D	Undercutting or Mill Scal	32.0	Misc Small Job	
<b>Section: 21E Second floor of East wing of Gasification structure.</b>									
12/05	Exterior	2 Severe	3	Tank Area		5 Localized Corrosion		MISC 02A 4	8%
	Coal Handling		7.0	0.3% Rust	F	Holes or Stratifications	38.0	Misc Small Job	
<i>Note:</i> Localized- Metal Loss on Structure area North side of section above Pipe Rack.									
<b>Section: 21F Ground floor of East wing of Gasification structure.</b>									
12/05	Exterior	2 Severe	3	Tank Area		2 Optimum		STR 02A 3	100%
	Coal Handling		7.0	0.3% Rust	C	Edge or Pinhole Corrosio	32.0	Structure	
<b>Section: 21G East/West pipe rack just North of the East wing of Gasification structure.</b>									
12/05	Exterior	2 Severe	5	Moderate Traffic or Visibility		1 Advanced Corrosion		PR 02B 4	100%
	Coal Handling		4.5	7% Rust	E	Pitting or Rust Nodules	45.0	Piperack	
<i>Note:</i> Pipe Rack, Pumps, and Structure- Structure in Bad Condition- Heavy Pitting on Structure in Center of Pipe Rack.									

### Condition Analysis

Plant : **TECO Tampa Electric**

Survey Date YY/MM	Exposure	Environment	Visibility	Condition	Corr Type	Priority	Schedule Value	Scope/Spec-Difficulty	Pct to do
<b>Block: 01</b> Northwest Unit of the plant. Includes Gasification Unit, Brine Unit, Acid Unit, Coal Slurry Building, and pipe lines to flares.									
<b>Block: 02</b> Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.									
<b>SubBlock: A</b> Northern section of Block 2. Contains transformers in fenced in area.									
<b>Section:</b>									
12/05	Exterior Offsites	4 Mild	6 Low Traffic or Visibility 8.5 <0.1% Rust	7 Fair	A No or Minimal Corrosion		16.0	ELEC 01A 3 Electrical Equipment	100%
<b>SubBlock: B</b> In center of Block 2. Contains Diesel tank and small equipment surrounding tank, and a diesel pump station.									
<b>Section: 01</b> Diesel loading rack, equipment and piping North of large tank area. Include pump station East of diesel rack.									
12/05	Exterior General Plant Fallout	3 Moderate	6 Low Traffic or Visibility 8.0 0.1% Rust	7 Fair	A No or Minimal Corrosion		18.0	PROC 01A 3 Process Area	100%
<b>Section: 02</b> Tank and associated structure/piping.									
12/05	Exterior Stack Fallout	3 Moderate	3 Tank Area 8.0 0.1% Rust	7 Fair	A No or Minimal Corrosion		20.0	TNK 01A 3 Small Tank	100%
<i>Note:</i> Mold on Tank Roof. Pressure Wash.									
<b>Section: 03</b> 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.									
12/05	Exterior Stack Fallout	3 Moderate	5 Moderate Traffic or Visibility 5.5 2% Rust	3 Wearout	D Undercutting or Mill Scal		38.0	PR 01C 3 Piperack	100%
<i>Note:</i> Structure South End.									
<b>SubBlock: C</b> On Eastern side of Block 2. Water pumping station just West of the lake.									
<b>Section: 01</b> Electrical buildings and boxes. Includes piping South of area.									
12/05	Exterior General Plant Fallout	3 Moderate	6 Low Traffic or Visibility 4.5 7% Rust	5 Localized Corrosion	E Pitting or Rust Nodules		38.0	STR 01C 3 Structure	25%
<i>Note:</i> Electrical Boxes on West side and South Structure needs paint.									
<b>Section: 02</b> Cooling water pump area on east side of plant. Includes building, equipment, structure and piping.									
12/05	Exterior General Plant Fallout	3 Moderate	6 Low Traffic or Visibility 7.0 0.3% Rust	2 Optimum	C Edge or Pinhole Corrosio		28.0	PROC 01A 3 Process Area	100%
<i>Note:</i> Needs Pressure Washed.									
<b>SubBlock: D</b> Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.									
<b>Section: 01</b> Insulated stack and the structure rising on the sides.									
12/05	Exterior Elevated Temperatures	2 Severe	3 Tank Area 4.0 10% Rust	4 Substandard	B Surface Rust		36.0	STR 02A 3 Structure	100%
<i>Note:</i> Stack is Insulated. Supporting Structure Only									
<b>Section: 02</b> Skin of HRSG.									
12/05	Exterior Elevated Temperatures	2 Severe	3 Tank Area 4.0 10% Rust	4 Substandard	B Surface Rust		36.0	STR 02C 5 Structure	100%
<b>Section: 03</b> Equipment, piping and structure on top of HRSG.									
12/05	Exterior Elevated Temperatures	2 Severe	6 Low Traffic or Visibility 4.0 10% Rust	4 Substandard	E Pitting or Rust Nodules		41.0	PROC 02A 5 Process Area	100%

### Condition Analysis

Plant : **TECO Tampa Electric**

Survey Date YY/MM	Exposure	Environment	Visibility	Condition	Corr Type	Priority	Schedule Value	Scope/Spec-Difficulty	Pct to do
<b>Block: 02</b> Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.									
<b>SubBlock: D</b> Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.									
<b>Section: 04</b> Piping equipment and structure on North side and beneath HRSG.									
12/05	Exterior	2 Severe	5 Moderate Traffic or Visibility	3 Wearout				STR 02A 4	100%
		Elevated Temperatures	4.5 7% Rust	B Surface Rust			35.0	Structure	
<b>Section: 05</b> Equipment piping and structure between turbine building and HRSG.									
12/05	Exterior	2 Severe	6 Low Traffic or Visibility	7 Fair				PROC 02A 3	100%
		Elevated Temperatures	6.0 1% Rust	B Surface Rust			30.0	Process Area	
<b>Section: 06A</b> Exterior of turbine building. East of HRSG and South of Intake.									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	3 Wearout				SID 01A 3	100%
		Stack Fallout	6.0 1% Rust	B Surface Rust			35.0		
<b>Section: 06B</b> Interior of turbine building. East of HRSG and South of Intake.									
12/05	Interior	3 Moderate	6 Low Traffic or Visibility	7 Fair				PROC 01A 3	100%
		General Plant Fallout	9.0 <0.1% Rust	A No or Minimal Corrosion			16.0	Process Area	
<b>Section: 07</b> Electrical buildings West of intake and structure. "Water Wash Skid" and "Water Injection Skid".									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	2 Optimum				SID 01A 3	100%
		Stack Fallout	7.0 0.3% Rust	D Undercutting or Mill Scal			31.0		
<b>Section: 08</b> Intake.									
12/05	Exterior	3 Moderate	3 Tank Area	2 Optimum				STR 01A 5	100%
		Stack Fallout	7.0 0.3% Rust	D Undercutting or Mill Scal			32.0	Structure	
	Note: Delamination on back sides of intake.								
<b>Section: 09</b> Buildings, piping and structure underneath intake. Includes building East of intake.									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	7 Fair				PROC 01A 3	100%
		Stack Fallout	6.5 0.7% Rust	D Undercutting or Mill Scal			28.0	Process Area	
<b>Section: 10</b> East/West pipe rack from transformers to generator. Includes breakers beneath.									
12/05	Exterior	3 Moderate	3 Tank Area	7 Fair				PR 01A 3	100%
		Stack Fallout	8.0 0.1% Rust	B Surface Rust			21.0	Piperack	
<b>Section: 11</b> Transformers and associated equipment/structure on East side of concrete wall.									
12/05	Exterior	3 Moderate	6 Low Traffic or Visibility	7 Fair				ELEC 01A 3	100%
		General Plant Fallout	8.5 <0.1% Rust	A No or Minimal Corrosion			18.0	Electrical Equipment	
<b>Section: 12</b> Power block Substation "O" on East side of unit between transformers.									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	7 Fair				SID 01A 3	100%
		Stack Fallout	8.0 0.1% Rust	E Pitting or Rust Nodules			27.0		
<b>Section: 13</b> North/South pipe rack and crane rails running along North side of unit into open crane building.									
12/05	Exterior	3 Moderate	4 Hi Employee Traffic or Visibility	3 Wearout				STR 01C 4	100%
		Stack Fallout	5.5 2% Rust	E Pitting or Rust Nodules			42.0	Structure	
<b>Section: 14</b> Western North/South crane rail running parallel to other rail. Southeast of HRSG.									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	3 Wearout				STR 01A 4	100%
		Stack Fallout	7.0 0.3% Rust	E Pitting or Rust Nodules			33.0	Structure	
<b>Section: 15</b> Generator East of HRSG. Includes associated structure, piping and equipment.									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	3 Wearout				STR 01A 4	100%
		Stack Fallout	6.0 1% Rust	D Undercutting or Mill Scal			39.0	Structure	

### Condition Analysis

Plant : **TECO Tampa Electric**

Survey Date YY/MM	Exposure	Environment	Visibility	Conditon	Corr Type	Priority	Schedule Value	Scope/Spec-Difficulty	Pct to do
<b>Block: 02</b> Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.									
<b>SubBlock: D</b> Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.									
<b>Section: 16</b> Process area on South side of generator between crane rails. North of walkway.									
12/05	Exterior	3 Moderate	5	Moderate Traffic or Visibility	3	Wearout		PROC 01A 3	100%
	Stack Fallout		6.0	1% Rust	C	Edge or Pinhole Corrosio	37.0	Process Area	
<b>Section: 17A</b> Condenser Box.									
12/05	Exterior	3 Moderate	5	Moderate Traffic or Visibility	2	Optimum		STR 01A 5	100%
	General Plant Fallout		6.5	0.7% Rust	C	Edge or Pinhole Corrosio	33.0	Structure	
<b>Section: 17B</b> Ground floor equipment, piping and structure surrounding the condenser box. Includes pumps just South of structure in walkway.									
12/05	Exterior	3 Moderate	5	Moderate Traffic or Visibility	2	Optimum		PROC 01A 3	100%
	General Plant Fallout		6.0	1% Rust	D	Undercutting or Mill Scal	40.0	Process Area	
<b>Section: 17C</b> Second level equipment, piping and structure not including condenser box.									
12/05	Exterior	3 Moderate	5	Moderate Traffic or Visibility	7	Fair		STR 01A 3	100%
	General Plant Fallout		7.5	0.2% Rust	B	Surface Rust	20.0	Structure	
<b>Section: 17D</b> Structure, rails, piping and turbines on top level of structure.									
12/05	Exterior	3 Moderate	6	Low Traffic or Visibility	2	Optimum		PROC 01A 3	100%
	General Plant Fallout		7.0	0.3% Rust	B	Surface Rust	26.0	Process Area	
<b>Section: 18</b> East/West pipe rack starting at East side of structure that heads to transformers. Includes Substation 7 South of pipe rack.									
12/05	Exterior	3 Moderate	5	Moderate Traffic or Visibility	7	Fair		OT 01A 3	100%
	General Plant Fallout		8.5	<0.1% Rust	A	No or Minimal Corrosion	19.0	Open Top Tank	
<b>Section: 19</b> Transformers on East end of pipe rack.									
12/05	Exterior	3 Moderate	6	Low Traffic or Visibility	7	Fair		ELEC 01A 3	100%
	General Plant Fallout		8.5	<0.1% Rust	A	No or Minimal Corrosion	18.0	Electrical Equipment	
<b>Section: 20</b> Building labeled "SPEEC" and associated structure. South of structure. North of crane wall.									
12/05	Exterior	3 Moderate	5	Moderate Traffic or Visibility	7	Fair		SID 01A 3	100%
	General Plant Fallout		8.0	0.1% Rust	B	Surface Rust	20.0		
<b>Section: 21A</b> Exterior of crane building.									
12/05	Exterior	3 Moderate	3	Tank Area	7	Fair		STR 01A 3	100%
	General Plant Fallout		8.5	<0.1% Rust	A	No or Minimal Corrosion	20.0	Structure	
<b>Section: 21B</b> Interior structure of crane building and crane.									
12/05	Exterior	2 Severe	5	Moderate Traffic or Visibility	7	Fair		STR 01A 3	100%
	General Plant Fallout		8.0	0.1% Rust	C	Edge or Pinhole Corrosio	24.0	Structure	
<b>Section: 22</b> North/South pipe rack going into West side of crane building.									
12/05	Exterior	3 Moderate	4	Hi Employee Traffic or Visibility	2	Optimum		PR 01A 3	100%
	Stack Fallout		6.5	0.7% Rust	E	Pitting or Rust Nodules	39.0	Piperack	
<b>Section: 23</b> Process area just West of North/South pipe rack and associated piping and structure.									
12/05	Exterior	3 Moderate	4	Hi Employee Traffic or Visibility	2	Optimum		PROC 01A 3	100%
	Stack Fallout		6.5	0.7% Rust	C	Edge or Pinhole Corrosio	34.0	Process Area	

### Condition Analysis

**Plant :** *TECO Tampa Electric*

<i>Survey Date</i>				<i>Corr</i>	<i>Schedule</i>		<i>Pct to do</i>	
<i>YY/MM</i>	<i>Exposure</i>	<i>Environment</i>	<i>Visibility</i>	<i>Conditon</i>	<i>Type</i>	<i>Priority</i>	<i>Value</i>	<i>Scope/Spec-Difficulty</i>
<b>Block: 02</b> Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.								
<b>SubBlock: D</b> Southwestern corner of Block 2. Contains HRSG Unit, crane area with pumps and equipment, several multilevel structures, pipe racks and the maintenance shop.								
<b>Section: 24</b> 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.								
12/05	Exterior	3 Moderate	4	Hi Employee Traffic or Visibility	2	Optimum		PR 01A 3 100%
	Stack Fallout		6.5	0.7% Rust	E	Pitting or Rust Nodules	39.0	Piperack
<b>Section: 25</b> Piping and structure rising on South side of HRSG. North of East/West pipe rack.								
12/05	Exterior	2 Severe	5	Moderate Traffic or Visibility	3	Wearout		STR 02A 4 100%
	Elevated Temperatures		6.0	1% Rust	B	Surface Rust	37.0	Structure
<b>Section: 26</b> Substation and electrical boxes on West side of stack past North/South pipe rack.								
12/05	Exterior	3 Moderate	5	Moderate Traffic or Visibility	7	Fair		SID 01A 3 100%
	Stack Fallout		8.5	<0.1% Rust	A	No or Minimal Corrosion	19.0	
<b>Section: 27A</b> Exterior of maintenance shop South of landing area.								
12/05	Exterior	3 Moderate	4	Hi Employee Traffic or Visibility	7	Fair		SID 01A 3 100%
	General Plant Fallout		8.0	0.1% Rust	B	Surface Rust	21.0	
<b>Section: 27B</b> Interior of maintenance shop South of landing area.								
12/05	Exterior	3 Moderate	4	Hi Employee Traffic or Visibility	7	Fair		STR 01A 3 100%
	General Plant Fallout		8.0	0.1% Rust	B	Surface Rust	21.0	Structure

### Condition Analysis

Plant : **TECO Tampa Electric**

Survey Date YY/MM	Exposure	Environment	Visibility	Condition	Corr Type	Priority	Schedule Value	Scope/Spec-Difficulty	Pct to do
<b>Block: 02</b> Northeast section of the plant. Contains Diesel Tank and diesel pump area, HRSG unit, and pumping station on the East next to the lake.									
<b>Block: 03</b> Southwest corner of the plant. West of the ASU and South of Gasification Unit. Contains Slag Handling Unit and the Slag Storage Area.									
<b>SubBlock: A</b> <u>Northeastern corner of Block 3. Slag Handling Unit that contains tanks, pumps, pipe racks and a multilevel structure.</u>									
<b>Section: 01</b> East/West pipe rack running along North side of unit including associated equipment, piping and structure.									
12/05	Exterior	2 Severe	4	Hi Employee Traffic or Visibility	7 Fair			PR 02A 3	100%
	Coal Handling		7.5	0.2% Rust	D Undercutting or Mill Scal		27.0	Piperack	
<b>Section: 02</b> North of the Out of Service Structure. 1 large tank, 2 small tanks, and associated equipment, piping, and structure.									
12/05	Exterior	2 Severe	3	Tank Area	2 Optimum			TNK 02A 3	100%
	Coal Handling		7.5	0.2% Rust	C Edge or Pinhole Corrosio		32.0	Small Tank	
<b>Section: 03</b> Out of Service multilevel structure.									
12/05	Exterior	3 Moderate	5	Moderate Traffic or Visibility	9 Not Scheduled			PROC 01A 3	100%
	General Plant Fallout		7.0	0.3% Rust	A No or Minimal Corrosion		13.0	Process Area	
	Note: O.O.S.								
<b>Section: 04</b> Northeast/Southwest pipe rack running to Gasification structure. West of conveyor belt.									
12/05	Exterior	2 Severe	4	Hi Employee Traffic or Visibility	1 Advanced Corrosion			PR 02B 3	100%
	Coal Handling		3.0	16% Rust	D Undercutting or Mill Scal		44.0	Piperack	
<b>Section: 05</b> Conveyor belt rack heading Northeast to Gasification Structure.									
12/05	Exterior	2 Severe	4	Hi Employee Traffic or Visibility	2 Optimum			STR 02A 3	100%
	Coal Handling		6.5	0.7% Rust	C Edge or Pinhole Corrosio		36.0	Structure	
<b>Section: 06</b> Main structure on South side of pipe rack and associated tanks, equipment and piping. North of slag storage.									
12/05	Exterior	2 Severe	4	Hi Employee Traffic or Visibility	7 Fair			PROC 02A 3	100%
	Coal Handling		7.5	0.2% Rust	B Surface Rust		23.0	Process Area	
<b>SubBlock: B</b> <u>Southern area of Block 3. Slag Storage Area.</u>									
<b>Section:</b>									
12/05	Exterior	3 Moderate	6	Low Traffic or Visibility	8 Design			MISC 01A 3	100%
	General Plant Fallout		8.5	<0.1% Rust	B Surface Rust		17.0	Misc Small Job	



### Condition Analysis

Plant : **TECO Tampa Electric**

Survey Date YY/MM	Exposure	Environment	Visibility	Conditon	Corr Type	Priority	Schedule Value	Scope/Spec-Difficulty	Pct to do
<b>Block: 03</b> Southwest corner of the plant. West of the ASU and South of Gasification Unit. Contains Slag Handling Unit and the Slag Storage Area.									
<b>Block: 04</b> 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.									
<b>SubBlock: A</b> <u>Northwestern corner of Block 4. Air Separation Unit that contains towers, pumps, generators, and other equipment. South of Gasification Unit.</u>									
<b>Section:</b> East/West pipe rack South of Substation 3. 90's North along road up to East/West road.									
12/05	Exterior	3 Moderate	4 Hi Employee Traffic or Visibility	4 Substandard	E Pitting or Rust Nodules	4	41.0	PR 01C 3 Piperack	100%
<b>Section: 02A</b> Exterior and structure of Substation 3.									
12/05	Exterior	3 Moderate	4 Hi Employee Traffic or Visibility	7 Fair	C Edge or Pinhole Corrosio	7	23.0	SID 01A 3	100%
<b>Section: 02B</b> Interior of Substation 3.									
12/05	Interior	4 Mild	6 Low Traffic or Visibility	8 Design	A No or Minimal Corrosion	8	14.0	ELEC 01A 3 Electrical Equipment	100%
<b>Section: 02C</b> Transformers and electrical boxes on North and East sides of Substation 3.									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	7 Fair	B Surface Rust	7	20.0	ELEC 01A 3 Electrical Equipment	100%
<b>Section: 03</b> East/West pipe rack to Administration building.									
12/05	Exterior	3 Moderate	4 Hi Employee Traffic or Visibility	4 Substandard	E Pitting or Rust Nodules	4	41.0	PR 01C 3 Piperack	100%
<b>Section: 04</b> 3 compressors on West side of 04.A and associated structure and piping.									
12/05	Combo	3 Moderate	6 Low Traffic or Visibility	3 Wearout	E Pitting or Rust Nodules	3	41.0	PROC 01B 3 Process Area	100%
<b>Section: 05</b> Main Air Compressor and associated piping/equipment.									
12/05	Combo	3 Moderate	6 Low Traffic or Visibility	7 Fair	E Pitting or Rust Nodules	7	26.0	PROC 01A 3 Process Area	100%
<b>Section: 06</b> Adsorbors A-D and surrounding structure. West of Administration building. Includes equipment and filters on East and West sides.									
12/05	Exterior	3 Moderate	4 Hi Employee Traffic or Visibility	3 Wearout	D Undercutting or Mill Scal	3	35.0	PROC 01A 3 Process Area	100%
<b>Section: 07</b> North/South sleeper rack and associated structure running through center of unit.									
12/05	Exterior	3 Moderate	6 Low Traffic or Visibility	3 Wearout	D Undercutting or Mill Scal	3	37.0	PR 01C 3 Piperack	100%
<b>Section: 08</b> Cold box, tower, nitrogen tank, and associated structure up to Degan Compressor.									
12/05	Exterior	3 Moderate	6 Low Traffic or Visibility	3 Wearout	D Undercutting or Mill Scal	3	37.0	PROC 01A 3 Process Area	100%
<b>SubBlock: B</b> <u>Northeastern corner of Block 4. Administration Building and parking lot. Portable Contractor buildings, and Warehouse.</u>									
<b>Section: 01</b> Exterior of Administration building including equipment on East side.									
12/05	Exterior	3 Moderate	2 High Public Visibility or Parade R	8 Design	A No or Minimal Corrosion	8	17.0	SID 01A 3	100%

*Condition Analysis*

*Plant : TECO Tampa Electric*

<i>Survey Date</i>					<i>Corr</i>	<i>Schedule</i>		<i>Pct to do</i>
<i>YY/MM</i>	<i>Exposure</i>	<i>Environment</i>	<i>Visibility</i>	<i>Conditon</i>	<i>Type</i>	<i>Priority</i>	<i>Value</i>	<i>Scope/Spec-Difficulty</i>
<b>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.</b>								
<b>SubBlock: B <u>Northeastern corner of Block 4. Administration Building and parking lot. Portable Contractor buildings, and Warehouse.</u></b>								
<b>Section: 02 Portable Office Buildings "F" and "G". Includes equipment on top.</b>								
12/05	Exterior	3 Moderate	2 High Public Visibility or Parade R	7 Fair			SID	01A 3 100%
		General Plant Fallout	8.5 <0.1% Rust	A No or Minimal Corrosion			21.0	
<i>Note:</i> Pressure wash- Mold Delaminationon Air Conditioner Vents								
<b>Section: 03A Exterior of Warehouse. Includes equipment on top and sides and handrails and bumpers.</b>								
12/05	Exterior	3 Moderate	4 Hi Employee Traffic or Visibility	5 Localized Corrosion			SID	01A 3 15%
		General Plant Fallout	4.5 7% Rust	E Pitting or Rust Nodules			40.0	
<i>Note:</i> Localized corrosion on South side cover and structure.								
<b>Section: 3B Interior structure of warehouse.</b>								
12/05	Interior	4 Mild	6 Low Traffic or Visibility	8 Design			SID	01A 3 100%
		Indoor, Warm	8.5 <0.1% Rust	A No or Minimal Corrosion			14.0	

### Condition Analysis

Plant : **TECO Tampa Electric**

Survey Date YY/MM	Exposure	Environment	Visibility	Conditon	Corr Type	Priority	Schedule Value	Scope/Spec-Difficulty	Pct to do
<b>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.</b>									
<b>Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.</b>									
<b>SubBlock: A Northernmost single cycle unit in Block 5.</b>									
<b>Section: 01 Stack and associated structure up to paneled walls.</b>									
12/05	Exterior	3	Moderate	3	Tank Area	2	Optimum	STK 06D 3	100%
	Stack Fallout			7.0	0.3% Rust	C	Edge or Pinhole Corrosio	30.0	Stack
<b>Section: 02 Paneled walls surrounding the piping and equipment East of stack.</b>									
12/05	Exterior	3	Moderate	4	Hi Employee Traffic or Visibility	5	Localized Corrosion	EQUIP 01B 3	100%
	Stack Fallout			3.5	13% Rust	E	Pitting or Rust Nodules	41.0	Equipment
<i>Note: Corroding pipe on South Side of section.</i>									
<b>Section: 03A Exterior and structure of turbine building East of paneled wall.</b>									
12/05	Exterior	3	Moderate	4	Hi Employee Traffic or Visibility	3	Wearout	STR 01A 3	100%
	Stack Fallout			6.0	1% Rust	C	Edge or Pinhole Corrosio	38.0	Structure
<b>Section: 03B Interior structure, piping and equipment of Turbine building East of paneled wall.</b>									
12/05	Interior	3	Moderate	6	Low Traffic or Visibility	7	Fair	PROC 01A 3	100%
	General Plant Fallout			9.0	<0.1% Rust	A	No or Minimal Corrosion	16.0	Process Area
<b>Section: 04 Intake and associated structure.</b>									
12/05	Exterior	3	Moderate	3	Tank Area	7	Fair	STR 01A 5	100%
	Stack Fallout			7.0	0.3% Rust	C	Edge or Pinhole Corrosio	23.0	Structure
<b>Section: 05 Generator beneath the Intake and associated piping and structure.</b>									
12/05	Exterior	3	Moderate	5	Moderate Traffic or Visibility	7	Fair	EQUIP 01A 3	100%
	Stack Fallout			7.0	0.3% Rust	B	Surface Rust	20.0	Equipment
<b>Section: 06 Pipe rack on South side of generator heading East toward stone wall. Includes the building below it.</b>									
12/05	Exterior	3	Moderate	5	Moderate Traffic or Visibility	7	Fair	PR 01A 3	100%
	Stack Fallout			8.5	<0.1% Rust	A	No or Minimal Corrosion	19.0	Piperack
<b>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.</b>									
12/05	Exterior	3	Moderate	6	Low Traffic or Visibility	7	Fair	ELEC 01A 3	100%
	General Plant Fallout			8.0	0.1% Rust	A	No or Minimal Corrosion	18.0	Electrical Equipment
<b>Section: 08 2 electrical boxes, filters and piping beneath structure North of the turbine building.</b>									
12/05	Exterior	3	Moderate	5	Moderate Traffic or Visibility	7	Fair	PROC 01A 3	100%
	Stack Fallout			7.5	0.2% Rust	B	Surface Rust	20.0	Process Area
<b>Section: 09 Substation and 2 electrical buildings and structure. Includes 2 electrical buildings North of Substation.</b>									
12/05	Exterior	3	Moderate	5	Moderate Traffic or Visibility	7	Fair	SID 01A 3	100%
	Stack Fallout			7.5	0.2% Rust	B	Surface Rust	20.0	
<i>Note: Building has corrosion on south side.</i>									
<b>Section: 10 Tank and equipment North of stack. East of pipe rack.</b>									
12/05	Exterior	3	Moderate	5	Moderate Traffic or Visibility	7	Fair	PROC 01A 3	100%
	Stack Fallout			7.0	0.3% Rust	E	Pitting or Rust Nodules	27.0	Process Area
<b>Section: 11A Exterior of tank house Northeast of stack and small pipe rack.</b>									
12/05	Covered	3	Moderate	5	Moderate Traffic or Visibility	7	Fair	EQUIP 01A 3	100%
	Stack Fallout			8.0	0.1% Rust	B	Surface Rust	20.0	Equipment
<i>Note: Mold</i>									

### Condition Analysis

Plant : **TECO Tampa Electric**

Survey Date YY/MM	Exposure	Environment	Visibility	Condition	Corr Type	Priority	Schedule Value	Scope/Spec-Difficulty	Pct to do
<b>Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.</b>									
<b>SubBlock: A Northernmost single cycle unit in Block 5.</b>									
<b>Section: 11B Interior of tank house and tank Northeast of stack.</b>									
12/05	Combo	3	Moderate	6	Low Traffic or Visibility	7	Fair	PROC 01A 3	100%
	General Plant Fallout			7.0	0.3% Rust	B	Surface Rust	19.0	Process Area
<b>Section: 12 Transformers and equipment on South side of unit.</b>									
12/05	Exterior	3	Moderate	5	Moderate Traffic or Visibility	7	Fair	ELEC 01A 3	100%
	Stack Fallout			8.0	0.1% Rust	B	Surface Rust	20.0	Electrical Equipment
<b>SubBlock: B Second Northernmost single cycle unit in Block 5.</b>									
<b>Section: 01 Stack and associated structure up to paneled walls.</b>									
12/05	Exterior	3	Moderate	3	Tank Area	7	Fair	STK 06D 3	100%
	Stack Fallout			7.5	0.2% Rust	C	Edge or Pinhole Corrosio	23.0	Stack
<b>Section: 02 Paneled walls surrounding the piping and equipment East of stack.</b>									
12/05	Exterior	3	Moderate	4	Hi Employee Traffic or Visibility	5	Localized Corrosion	EQUIP 01B 3	2%
	Stack Fallout			3.5	13% Rust	D	Undercutting or Mill Scal	38.0	Equipment
<i>Note: Highly Corroded pipe- Inside Door on South Side</i>									
<b>Section: 03A Exterior and structure of turbine building East of paneled wall.</b>									
12/05	Exterior	3	Moderate	4	Hi Employee Traffic or Visibility	2	Optimum	STR 01A 3	100%
	Stack Fallout			6.5	0.7% Rust	C	Edge or Pinhole Corrosio	34.0	Structure
<b>Section: 03B Interior structure, piping and equipment of Turbine building East of paneled wall.</b>									
12/05	Interior	3	Moderate	6	Low Traffic or Visibility	7	Fair	PROC 01A 3	100%
	General Plant Fallout			9.0	<0.1% Rust	A	No or Minimal Corrosion	16.0	Process Area
<b>Section: 04 Intake and associated structure.</b>									
12/05	Exterior	3	Moderate	3	Tank Area	2	Optimum	STR 01A 5	100%
	Stack Fallout			7.0	0.3% Rust	E	Pitting or Rust Nodules	35.0	Structure
<b>Section: 05 Generator beneath the Intake and associated piping and structure.</b>									
12/05	Exterior	3	Moderate	5	Moderate Traffic or Visibility	7	Fair	EQUIP 01A 3	100%
	General Plant Fallout			7.0	0.3% Rust	E	Pitting or Rust Nodules	27.0	Equipment
<b>Section: 06 Pipe rack on South side of generator heading East toward stone wall. Includes the building below it.</b>									
12/05	Exterior	3	Moderate	5	Moderate Traffic or Visibility	7	Fair	PR 01A 3	100%
	Stack Fallout			8.0	0.1% Rust	A	No or Minimal Corrosion	19.0	Piperack
<i>Note: Mold</i>									
<b>Section: 07 Transformer and associated structure East of wall and the pump are just North.</b>									
12/05	Exterior	3	Moderate	6	Low Traffic or Visibility	8	Design	ELEC 01A 3	100%
	General Plant Fallout			8.0	0.1% Rust	A	No or Minimal Corrosion	16.0	Electrical Equipment
<b>Section: 08 2 electrical boxes, filters and piping beneath structure North of the turbine building.</b>									
12/05	Exterior	3	Moderate	5	Moderate Traffic or Visibility	7	Fair	PROC 01A 3	100%
	Stack Fallout			7.5	0.2% Rust	B	Surface Rust	20.0	Process Area
<b>Section: 09 Substation and 2 electrical buildings and structure. Includes 2 electrical buildings North of Substation.</b>									
12/05	Exterior	3	Moderate	5	Moderate Traffic or Visibility	5	Localized Corrosion	SID 01A 3	10%
	Stack Fallout			4.0	10% Rust	C	Edge or Pinhole Corrosio	34.0	
<i>Note: Rust on Building Structure</i>									

### Condition Analysis

Plant : **TECO Tampa Electric**

Survey Date YY/MM	Exposure	Environment	Visibility	Conditon	Corr Type	Priority	Schedule Value	Scope/Spec-Difficulty	Pct to do	
<b>Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.</b>										
<b>SubBlock: B Second Northernmost single cycle unit in Block 5.</b>										
<b>Section: 10 Tank and equipment North of stack. East of pipe rack.</b>										
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	7 Fair	Stack Fallout	8.0 0.1% Rust	B Surface Rust	20.0	PROC 01A 3 Process Area	100%
<b>Section: 11A Exterior of tank house Northeast of stack and small pipe rack.</b>										
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	7 Fair	Stack Fallout	8.0 0.1% Rust	B Surface Rust	20.0	SID 01A 3	100%
<b>Section: 11B Interior of tank house and tank Northeast of stack.</b>										
12/05	Covered	4 Mild	6 Low Traffic or Visibility	7 Fair	Indoor, Warm	7.5 0.2% Rust	D Undercutting or Mill Scal	21.0	EQUIP 01A 3 Equipment	100%
<i>Note: Mold on Tank</i>										
<b>Section: 12 Transformers and equipment on South side of unit.</b>										
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	7 Fair	Stack Fallout	8.0 0.1% Rust	B Surface Rust	20.0	ELEC 01A 3 Electrical Equipment	100%
<b>SubBlock: C Second Southernmost single cycle unit in Block 5.</b>										
<b>Section: 01 Stack and associated structure up to paneled wall.</b>										
12/05	Exterior	3 Moderate	3 Tank Area	7 Fair	Stack Fallout	7.5 0.2% Rust	C Edge or Pinhole Corrosio	23.0	STR 01B 3 Structure	100%
<b>Section: 02 Paneled Walls surrounding the piping and equipment East of the stack.</b>										
12/05	Exterior	3 Moderate	4 Hi Employee Traffic or Visibility	5 Localized Corrosion	Stack Fallout	3.5 13% Rust	E Pitting or Rust Nodules	41.0	STR 01B 3 Structure	2%
<i>Note: Highly Corroded pipe- Inside Door on South Side</i>										
<b>Section: 03A Exterior of building East of paneled walls up to intake. Includes piping and associated structure/equipment on South side and on top.</b>										
12/05	Exterior	3 Moderate	4 Hi Employee Traffic or Visibility	7 Fair	Stack Fallout	8.0 0.1% Rust	B Surface Rust	21.0	STR 01A 3 Structure	100%
<b>Section: 03B Interior of building East of paneled walls. Includes piping, structure and equipment inside.</b>										
12/05	Interior	3 Moderate	6 Low Traffic or Visibility	7 Fair	General Plant Fallout	9.0 <0.1% Rust	A No or Minimal Corrosion	16.0	PROC 01A 3 Process Area	100%
<b>Section: 04 Intake and the associated structure and piping.</b>										
12/05	Exterior	3 Moderate	3 Tank Area	8 Design	Stack Fallout	8.5 <0.1% Rust	A No or Minimal Corrosion	18.0	STR 01A 5 Structure	100%
<b>Section: 05 Generator beneath Intake and associated piping and structure.</b>										
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	7 Fair	General Plant Fallout	7.5 0.2% Rust	E Pitting or Rust Nodules	27.0	EQUIP 01A 3 Equipment	100%
<b>Section: 06 Pipe rack on South side of generator heading East toward stone wall. Includes the equipment under pipe rack.</b>										
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	8 Design	Stack Fallout	9.0 <0.1% Rust	A No or Minimal Corrosion	15.0	PR 01A 3 Piperack	100%
<b>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.</b>										
12/05	Exterior	3 Moderate	6 Low Traffic or Visibility	8 Design	General Plant Fallout	9.0 <0.1% Rust	A No or Minimal Corrosion	14.0	ELEC 01A 3 Electrical Equipment	100%

### Condition Analysis

Plant : **TECO Tampa Electric**

Survey Date YY/MM	Exposure	Environment	Visibility	Condition	Corr Type	Priority	Schedule Value	Scope/Spec-Difficulty	Pct to do
<b>Block: 05 Southeastern corner of the plant. Contains 4 Single Cycle Units.</b>									
<b>SubBlock: C Second Southernmost single cycle unit in Block 5.</b>									
<b>Section: 08 Structure on North side of unit. Breaker box building and associated piping/equipment.</b>									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	7 Fair				PROC 01A 3	100%
	Stack Fallout		8.0 0.1% Rust	B Surface Rust			20.0	Process Area	
<b>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"</b>									
12/05	Exterior	3 Moderate	4 Hi Employee Traffic or Visibility	7 Fair				PROC 01A 3	100%
	Stack Fallout		7.0 0.3% Rust	E Pitting or Rust Nodules			28.0	Process Area	
<b>Section: 11 MCC building and transformers on South side of unit.</b>									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	7 Fair				ELEC 01A 3	100%
	Stack Fallout		8.0 0.1% Rust	A No or Minimal Corrosion			19.0	Electrical Equipment	
<b>Section: 12A Exterior of building on Southwest side of Unit.</b>									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	7 Fair				SID 01A 3	100%
	Stack Fallout		8.5 <0.1% Rust	A No or Minimal Corrosion			19.0		
<b>Section: 12B Interior of building on Southwest side of Unit including the piping/equipment inside.</b>									
12/05	Interior	4 Mild	6 Low Traffic or Visibility	7 Fair				EQUIP 01A 3	100%
	Indoor, Warm		8.0 0.1% Rust	A No or Minimal Corrosion			16.0	Equipment	
<b>SubBlock: D Southernmost single cycle unit in Block 5.</b>									
<b>Section: 01 Stack and associated structure up to paneled wall.</b>									
12/05	Exterior	3 Moderate	3 Tank Area	7 Fair				STK 06D 3	100%
	Stack Fallout		8.0 0.1% Rust	B Surface Rust			21.0	Stack	
<b>Section: 02 Paneled wall surrounding piping and equipment East of the stack.</b>									
12/05	Exterior	3 Moderate	4 Hi Employee Traffic or Visibility	5 Localized Corrosion				STR 01B 3	100%
	Stack Fallout		3.5 13% Rust	E Pitting or Rust Nodules			41.0	Structure	
	Note: Highly Corroded pipe- Inside Door on South Side								
<b>Section: 03A Exterior of building East of paneled wall up to Intake. Includes piping and associated structure/equipment on South side and on top.</b>									
12/05	Exterior	3 Moderate	4 Hi Employee Traffic or Visibility	7 Fair				STR 01A 3	100%
	Stack Fallout		8.5 <0.1% Rust	A No or Minimal Corrosion			20.0	Structure	
<b>Section: 03B Interior of building East of paneled wall. Includes piping and equipment/structure inside.</b>									
12/05	Interior	3 Moderate	6 Low Traffic or Visibility	7 Fair				PROC 01A 3	100%
	General Plant Fallout		9.0 <0.1% Rust	A No or Minimal Corrosion			16.0	Process Area	
<b>Section: 04 Intake and associated structure and piping.</b>									
12/05	Exterior	3 Moderate	3 Tank Area	7 Fair				STR 01A 5	100%
	Stack Fallout		8.5 <0.1% Rust	A No or Minimal Corrosion			20.0	Structure	
	Note: Coating Blisters								
<b>Section: 05 Generator beneath the Intake and associated piping and structure.</b>									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	7 Fair				EQUIP 01A 3	100%
	General Plant Fallout		8.5 <0.1% Rust	A No or Minimal Corrosion			19.0	Equipment	
<b>Section: 06 Pipe rack on South side of generator heading East toward stone wall. Includes equipment beneath pipe rack.</b>									
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	8 Design				PR 01A 3	100%
	Stack Fallout		9.0 <0.1% Rust	A No or Minimal Corrosion			15.0	Piperack	



### Condition Analysis

**Plant :** *TECO Tampa Electric*

<i>Survey Date</i>				<i>Corr</i>			<i>Schedule</i>			<i>Pct to do</i>
<i>YY/MM</i>	<i>Exposure</i>	<i>Environment</i>	<i>Visibility</i>	<i>Conditon</i>	<i>Type</i>	<i>Priority</i>	<i>Value</i>	<i>Scope/Spec-Difficulty</i>		
<b>Block: 05</b> Southeastern corner of the plant. Contains 4 Single Cycle Units.										
<b>SubBlock: D</b> Southernmost single cycle unit in Block 5.										
<b>Section: 07</b> Transformer and associated piping/structure on East side of stone wall. Includes pump area just North.										
12/05	Exterior	3 Moderate	6 Low Traffic or Visibility	8 Design				ELEC 01A 3	100%	
	General Plant Fallout		9.0 <0.1% Rust	A No or Minimal Corrosion			14.0	Electrical Equipment		
<b>Section: 08</b> Structure on North side of Unit. Breaker box unit and associated piping/equipment.										
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	7 Fair				PROC 01A 3	100%	
	Stack Fallout		8.0 0.1% Rust	B Surface Rust			20.0	Process Area		
<b>Section: 09</b> CO2 Skid Northwest of stack, piping/structure heading East to 05.D.08, and fin fans and piping West of skid.										
12/05	Exterior	3 Moderate	4 Hi Employee Traffic or Visibility	7 Fair				PROC 01A 3	100%	
	Stack Fallout		7.0 0.3% Rust	E Pitting or Rust Nodules			28.0	Process Area		
<b>Section: 10</b> Electrical building Northeast of the intake.										
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	8 Design				SID 01A 3	100%	
	Stack Fallout		8.5 <0.1% Rust	A No or Minimal Corrosion			17.0			
<b>Section: 11</b> MCC building and transformers on South side of the unit.										
12/05	Exterior	3 Moderate	5 Moderate Traffic or Visibility	7 Fair				ELEC 01A 3	100%	
	Stack Fallout		8.0 0.1% Rust	A No or Minimal Corrosion			19.0	Electrical Equipment		
<b>SubBlock: E</b> Pipe racks in the Northwestern section of Block 5. Heads Northwest off of 05.A										
<b>Section: 01</b> North/South pipe rack located South of units 05.A/05.B. Includes structure and equipment. Stops where pipe rack drops to ground level.										
12/05	Exterior	3 Moderate	4 Hi Employee Traffic or Visibility	7 Fair				PR 01A 3	100%	
	Stack Fallout		8.0 0.1% Rust	D Undercutting or Mill Scal			25.0	Piperack		
<b>Section: 02</b> Northwest/Southeast pipe rack running from north side of 5A to the road.										
12/05	Exterior	3 Moderate	4 Hi Employee Traffic or Visibility	7 Fair				PR 01A 3	100%	
	Stack Fallout		8.0 0.1% Rust	D Undercutting or Mill Scal			25.0	Piperack		

*Condition Analysis*

*Plant : TECO Tampa Electric*

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<i>Survey Date</i>					<i>Corr</i>		<i>Schedule</i>	<i>Pct to do</i>
<i>YY/MM</i>	<i>Exposure</i>	<i>Environment</i>	<i>Visibility</i>	<i>Conditon</i>	<i>Type</i>	<i>Priority</i>	<i>Value</i>	<i>Scope/Spec-Difficulty</i>

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**Block: 05** Southeastern corner of the plant. Contains 4 Single Cycle Units.