Status of Plant Load Increase Project

Schedule of Projected Load Increases

Current Capacity is 875 MWG

- Unit 2 Spring 2002 Outage - 895 MW
- Unit 1 Spring 2003 Outage - 950 MW
- Unit 2 Spring 2004 Outage - 950 MW

Environmental Permitting is Complete

- Approval order was received January 16, 2002
- Clean Air Coalition was only organization that filed a comment
- Utah State answered the comment
- EPA had no comments
- No protests have been upheld for 20 Years in Utah

Modifications to Current Air Quality Limits

Limits Still Well Above Historical Values

	Lbs/MBTU		
Pollutant	Before	After	Historical
Particulates (PM10)	0.02	0.0184	0.005
Sulfur Dioxide (SO2)	0.15	0.138	0.07
Nitrous Oxides (NOX)	0.5	0.461	0.41

List of Projects Required for Upgrade

($1,000's)

Project Description	2001-02	2002-03	2003-04
HP Turbine Dense Pack Modification	5,505	4,505	0
Enlarge the Circulating Water Make Up Bypass	93	33	0
Additional Safety Valves for Main & Reheat Lines	83	82	0
Isophase Bus Duct Cooling	110	110	0
Uprate Capacity of BFP Volute	108	378	376
6A, 6B Heater Drain Line Modification	70	50	0
Helper Cooling Tower	0	5,008	1,004
Main Transformer Cooling	0	60	60
Generator Monitoring & Cooling	0	450	250
Boiler Modifications	0	4,010	4,010
Spare PA Fan Motor	0	180	0
Total	5,969	14,866	5,700

HP Turbine Modifications

Status Report

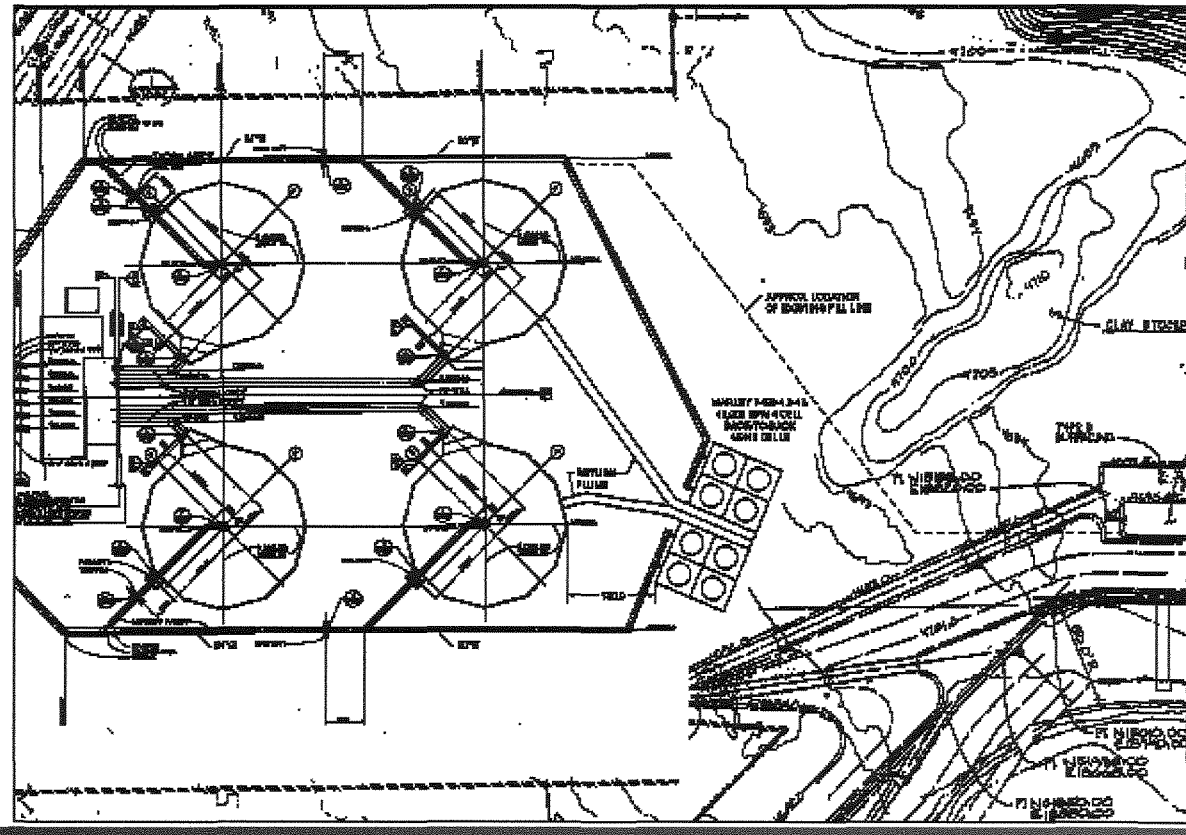
- Overspeed test completed January 15 (witnessed by IPSC)
- Lower diaphragms are in place
- Ship from England on February 3
- Arrive Portsmouth, Virginia on February 13
- Three dedicated trucks to Delta, should arrive approx. February 20

Status of Helper Cooling Tower Project

Required In-Service April 1, 2003

- Fiberglass helper towers will be installed east of existing concrete towers
- Supply contract for CT's currently out for bid, due back February 1
- CEntry Engineers, SLC, have been contracted for detailed design
- Construction contract will be issued in May
- Construction will begin in July

Plan View of Preliminary Design

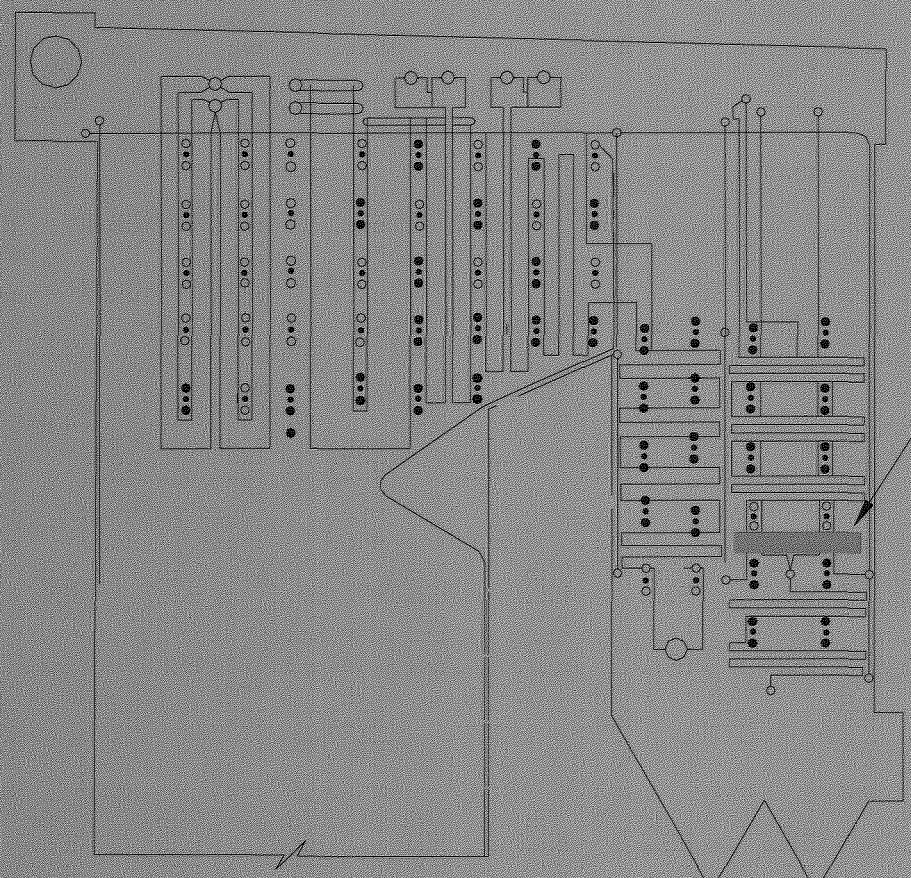


Boiler Modifications

Mainly to Improve Steam Temperature Control

- Minor modifications to the steam drum
- Additional primary superheat bundles
  - Resulting decrease in flue gas exit temperature will also improve plant heat rate
- No additional NO_x control is required at this time

Location of New Superheat Bundle



New Primary Superheat Bundle will be installed in this location

IGS Boiler Cross Section

Summary

- All projects are on schedule
- Total cost of plant uprate is $26,535,000
- Payback is still less than one year after completion
- Final expected load increase is 75 MW/Unit

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