

FPL is 20% owner in complete plant

Unit 1 & 2 are identical with rating 632MW 660 MVA

- Plant Unit 1 COD 1986
- Unit 2 COD 1988

turn scrubber control with 3 tower style scrubber
 → Bmw perforated plate

- Foster Wheeler boilers
- Wall fired 28 ~~fires~~ burners / boiler
- 1 pulverizer per burner
- Boiler → Electrostatic Precipitator → FGD/Scrubber → SCR → Wet stack

- Coal comes from Columbia SA
- Have a coal port on St. John's River on Blount Island

→ Cometh on 3rd ash landfill
 - unlined landfill - found no leak into water aquifer however future regulations may require lining

- NO PCB
- turbine had Asbestos which was replaced.
- should not any asbestos

← check if match map

- NO baghouses
- 3 scrubber vessels per unit - total of 6
- 3.2 mile conveyor



Stack

- back hr
 - 690 ft
 - 18 ft
- > 622 ft

Cooling towers

- 460 ft
 - 18 ft
- > 442 ft

- 4 or 5 class horizontal flood zone
- 4 class wells varying from 900-1200 ft RG
- provide water for RO
- cooling tower intake is provided by local basin water which has a little more salinity than typical sea water
- cooling tower intake is at North Plant
 - 3 vertical pumps at canal
- blow down goes bucket and discharged at intake basin of SJ river.
- 40x40 limestone hopper.
- has emergency coral hopper in addition to normal hopper (if something)
- 1 spare main transformer
- condenser tube materials (Titanium)
- feedwater tubes is stainless
- pre boiler piping is titanium not copper

Action Items STJ

Boiler height app. 260 - 185 ft

Steam drum has 4" of steel

2 - air heaters and motors per unit
- large cyclone looking 8 ft deep.

7 - feeder pump and pulverizers.

2 - 6.4 ft (6) tanks (more than 1" thick)
1 - deaerator

7 - pulverizers each can produce 100,000 lb/hr

Each unit

2 - aux GSD
2 - startup GSD
2 - main GSD
1 - backup main GSD

4 - 35HP water pumps

coal conveyor is 72" wide

4 FD Fan transformers

3 ID Fan transformers

