

SUMMARY OF MEETING
SIOUX ENERGY CENTER
8501 N. State Rt. 94, West Alton, MO
FRIDAY, NOVEMBER 1, 2013
11:30 a.m. to 2:00 p.m.

On Friday, November 1, 2013, a presentation and tour of the Sioux Energy Center was given to members of the Missouri Public Service Commission and Office of the Public Counsel. Those attending from the MPSC included Commissioner Stephen Stoll, Rachel Lewis, Kennard Jones, Alexander Antal, Whitney Hampton, Akayla Jones, Timothy Opitz, Annette Slack, Randy Gross, Derick Miles, Art Rice, Patricia Smith, Erin Maloney, and Lisa Ferguson. Barb Meisenheimer from the Office of the Public Counsel attended.

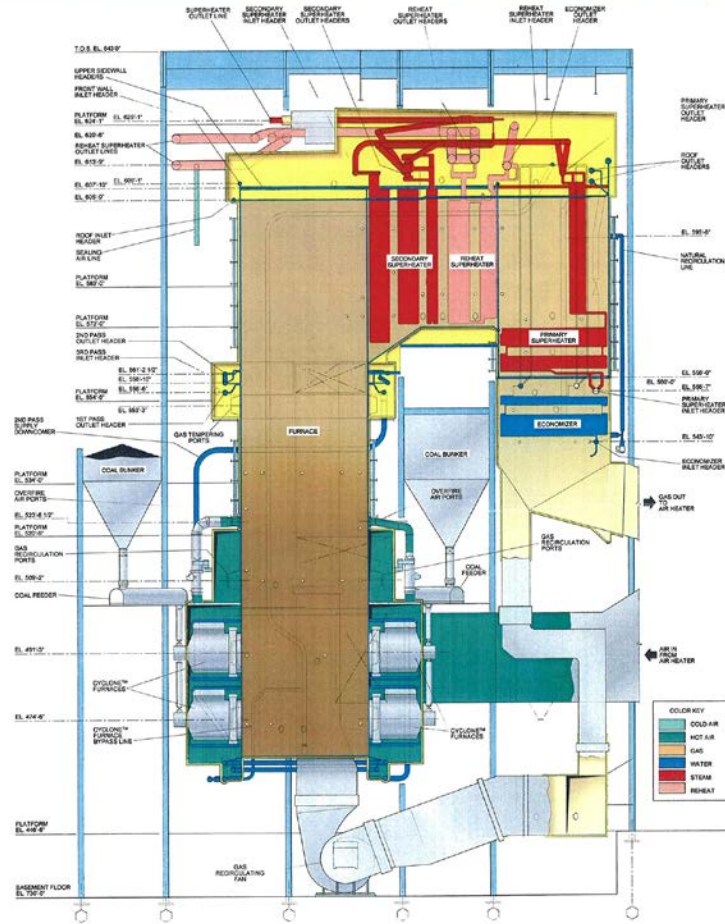
Those participating from Ameren Missouri included Vice President of Regulatory and Legislative Affairs Warren Wood, Vice President Power Operations Kevin DeGraw, Supervisor Power Operations Steve Garner, Superintendent Administration Tim Hentchel, and State Regulatory Liaison Gaye Suggett.

All participants were welcomed and a presentation of the Sioux Energy Center was given. A walking tour followed. That presentation is attached.

Welcome to Sioux Energy Center



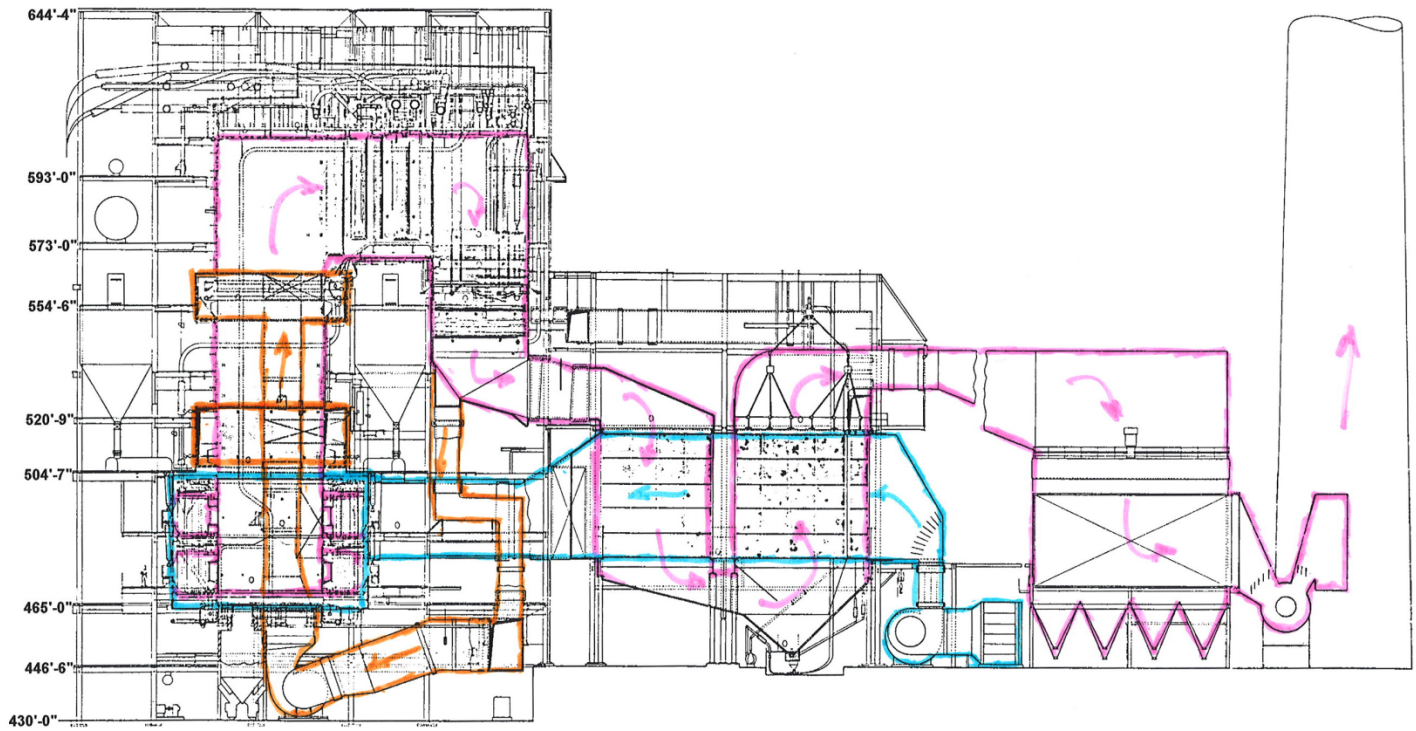
Boiler Cross Section



UNION ELECTRIC COMPANY
 SIOUX PLANT - BOILERS No. 1 and No. 2
 ST. CHARLES COUNTY, MISSOURI
 UP-19

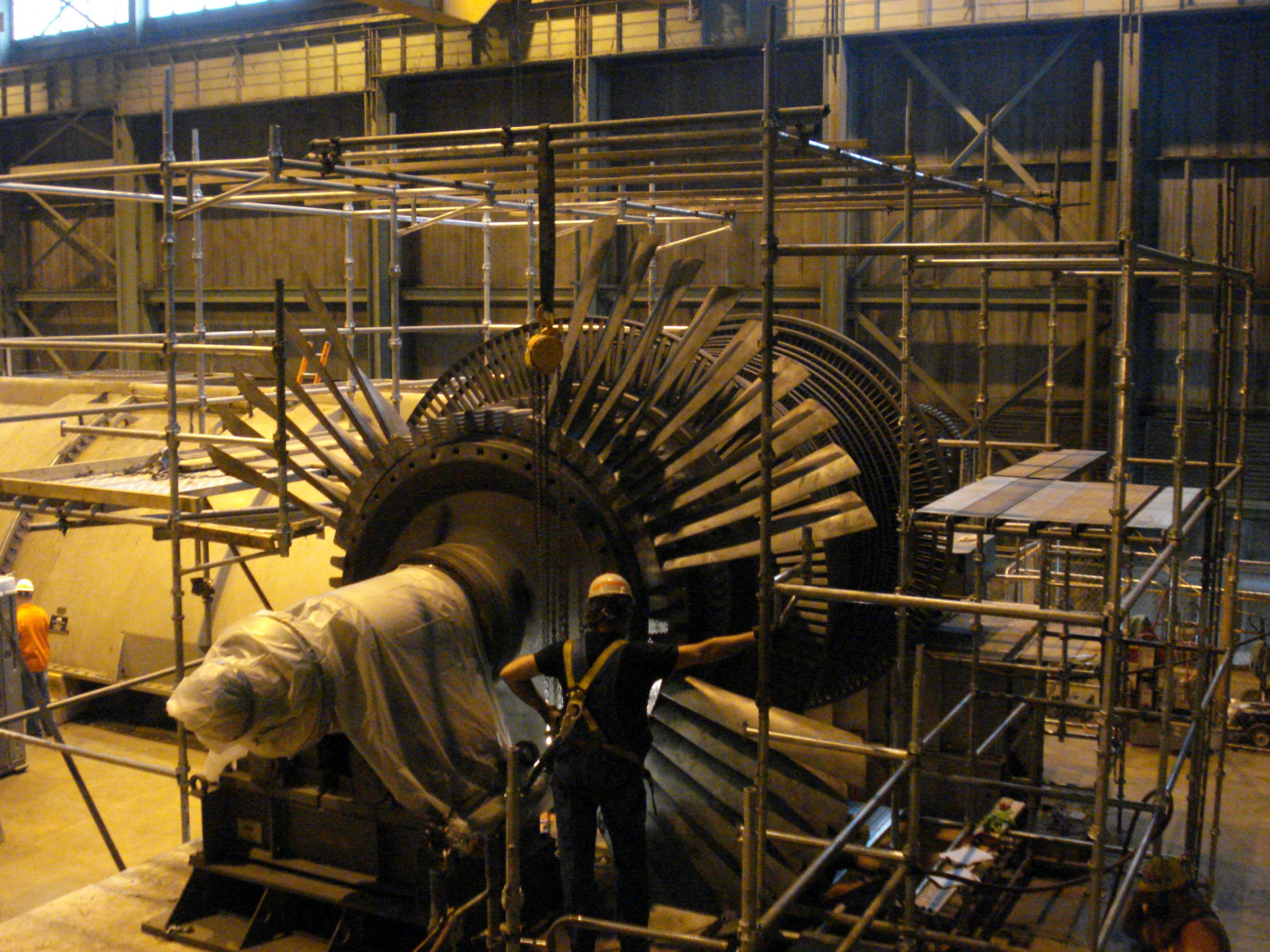
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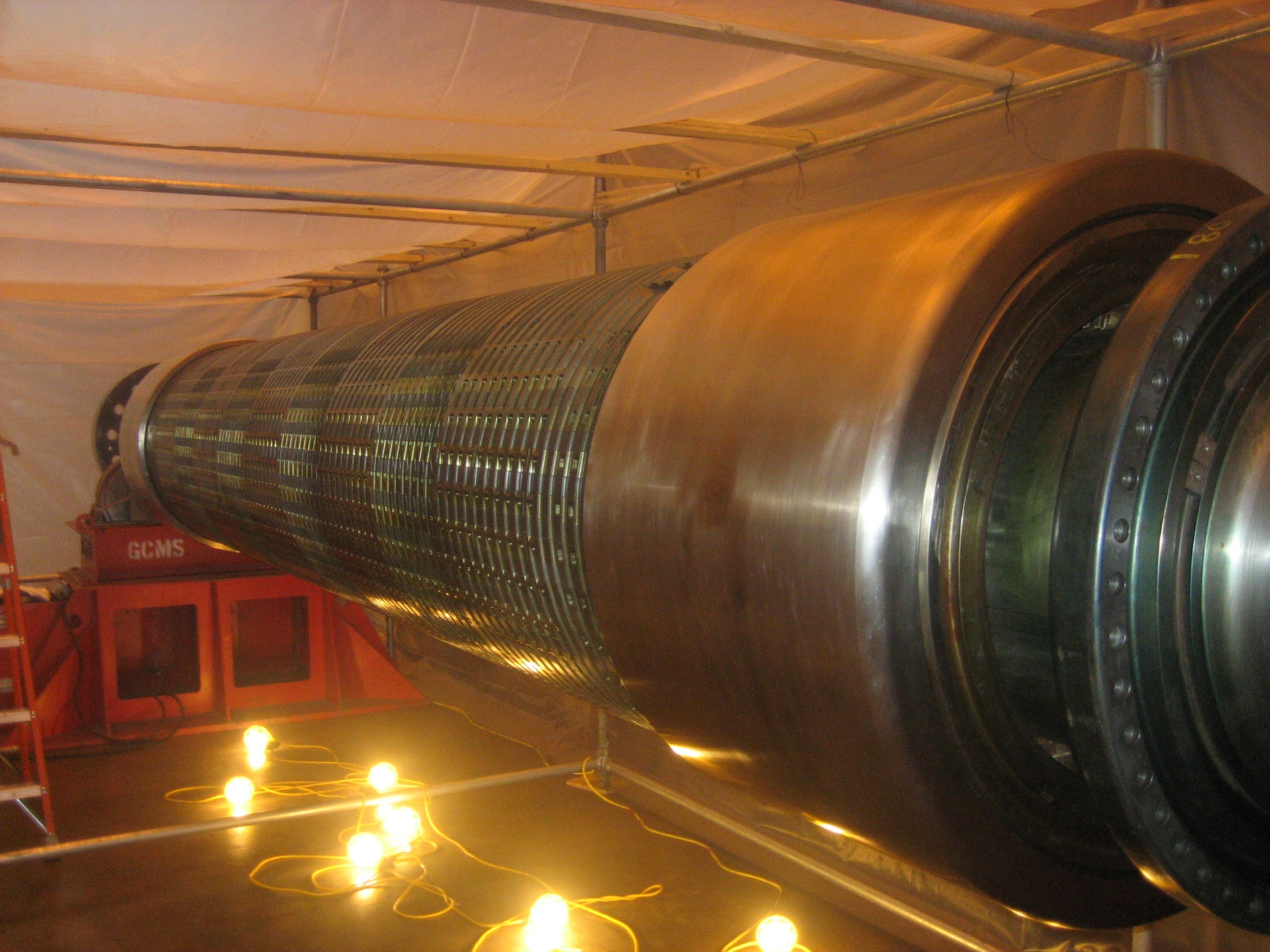
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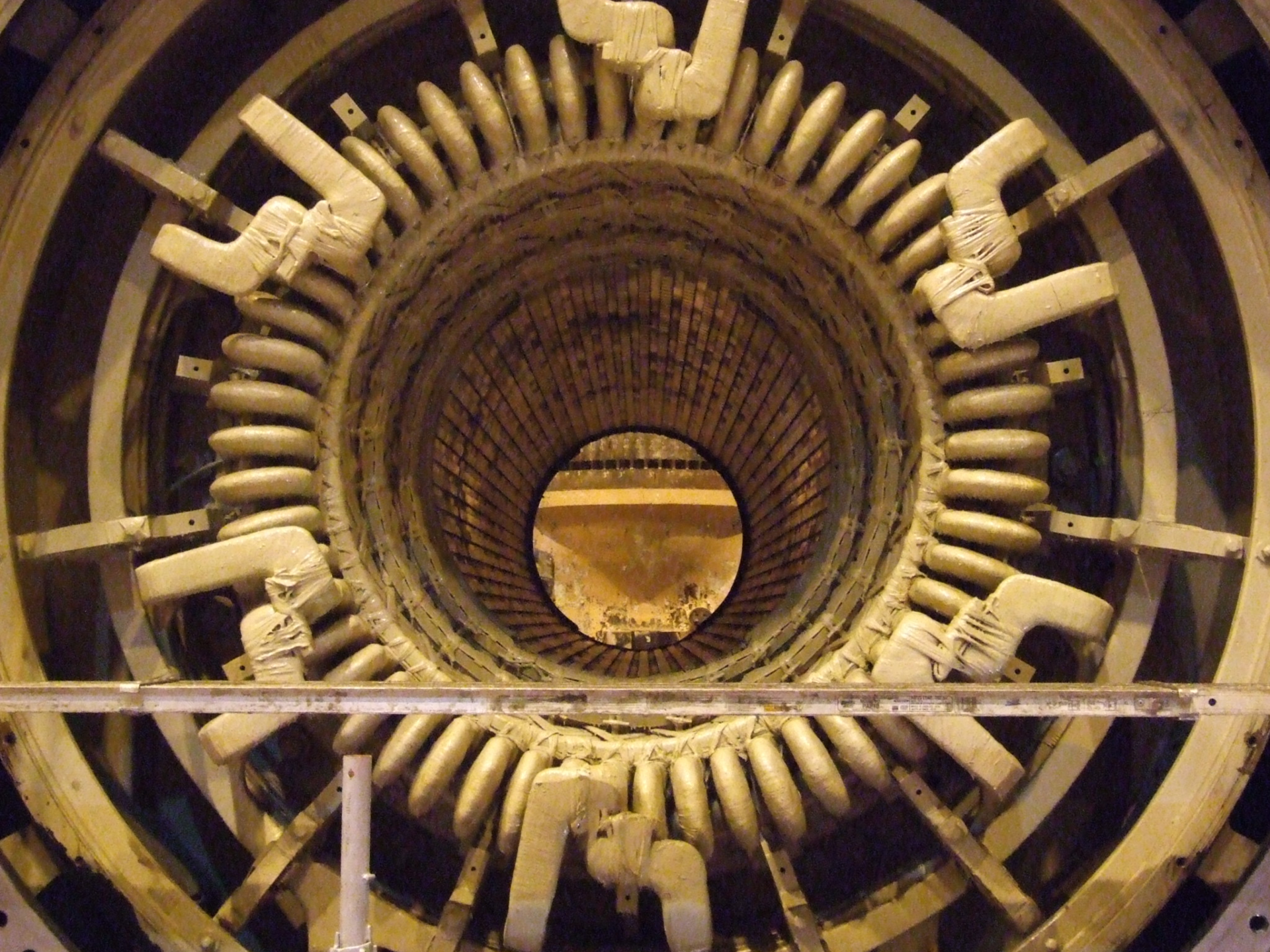






GCMS

180



Fuel Burn

- 2,200,000 Tons/Year PRB
 - 117 tons per train car
 - 130 cars per train set
 - 15 trains per month
- 605,000 Tons/Year High Sulfur
 - 1,700 tons per barge
 - 30 barges per month

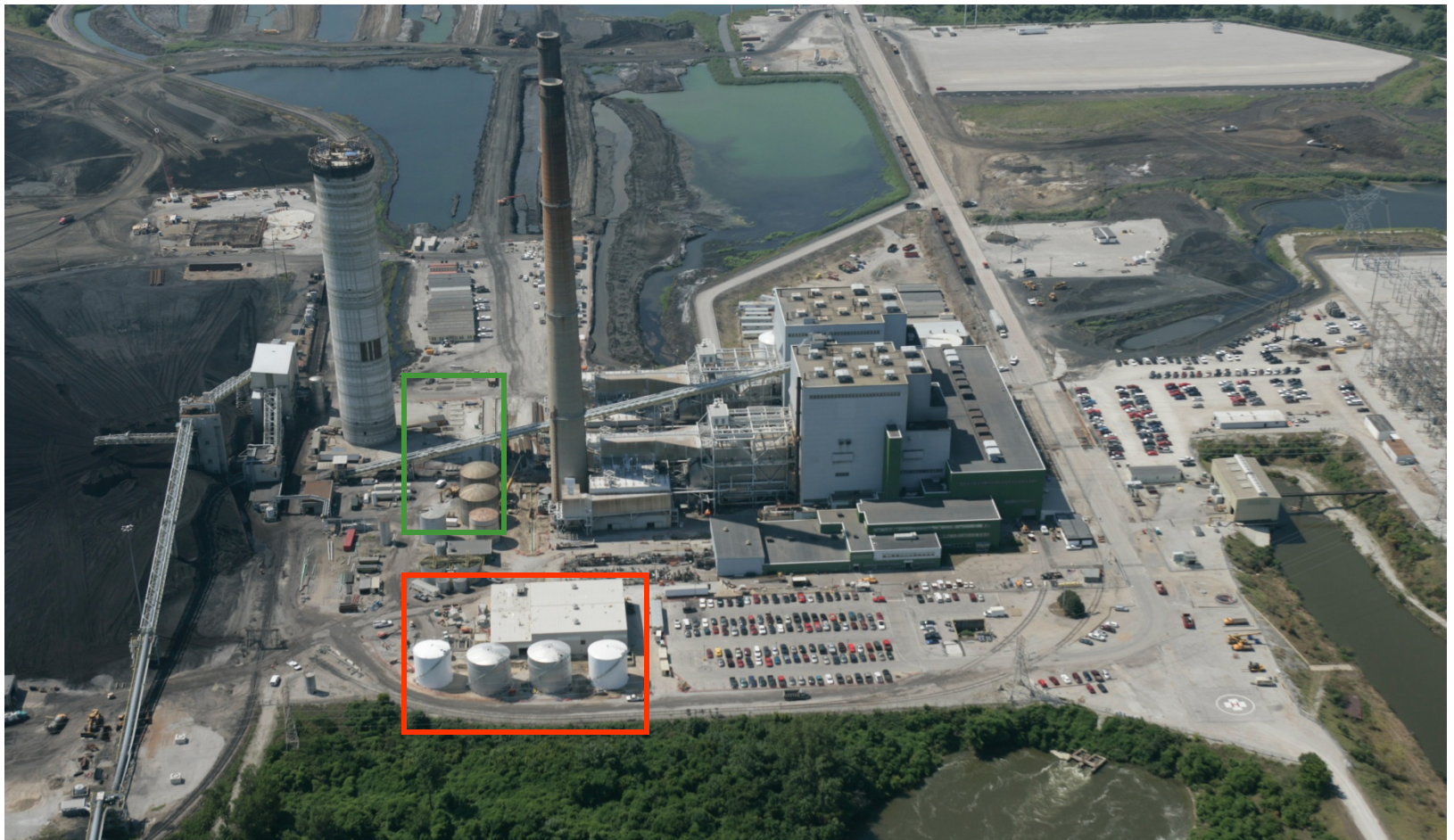
Scrubber Installation Overview

- Added New Substation for Scrubber Island
- Upgraded Circulating Water and Raw Water Systems to supply increased demand on water due to the scrubber



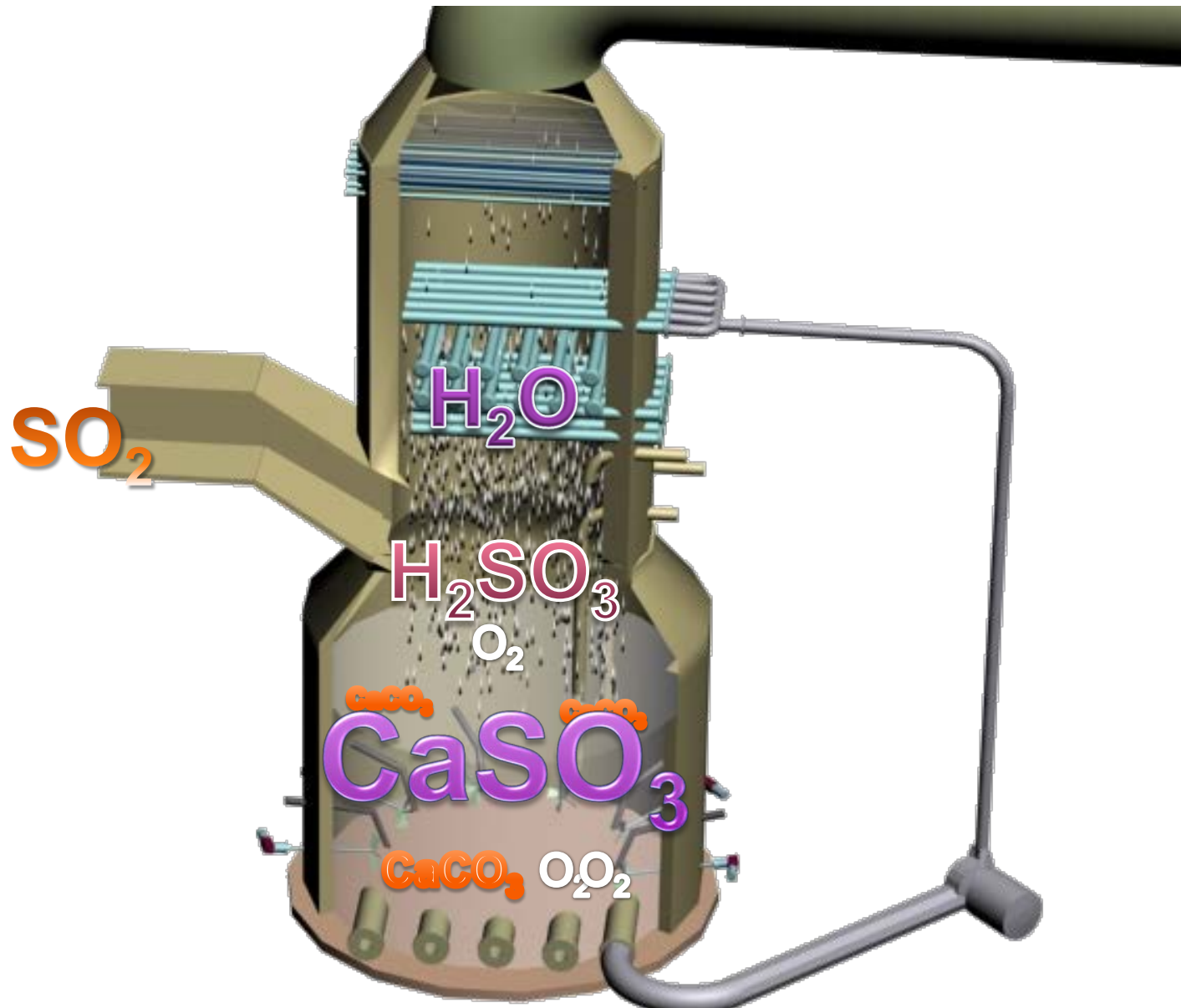
WFGD Footprint

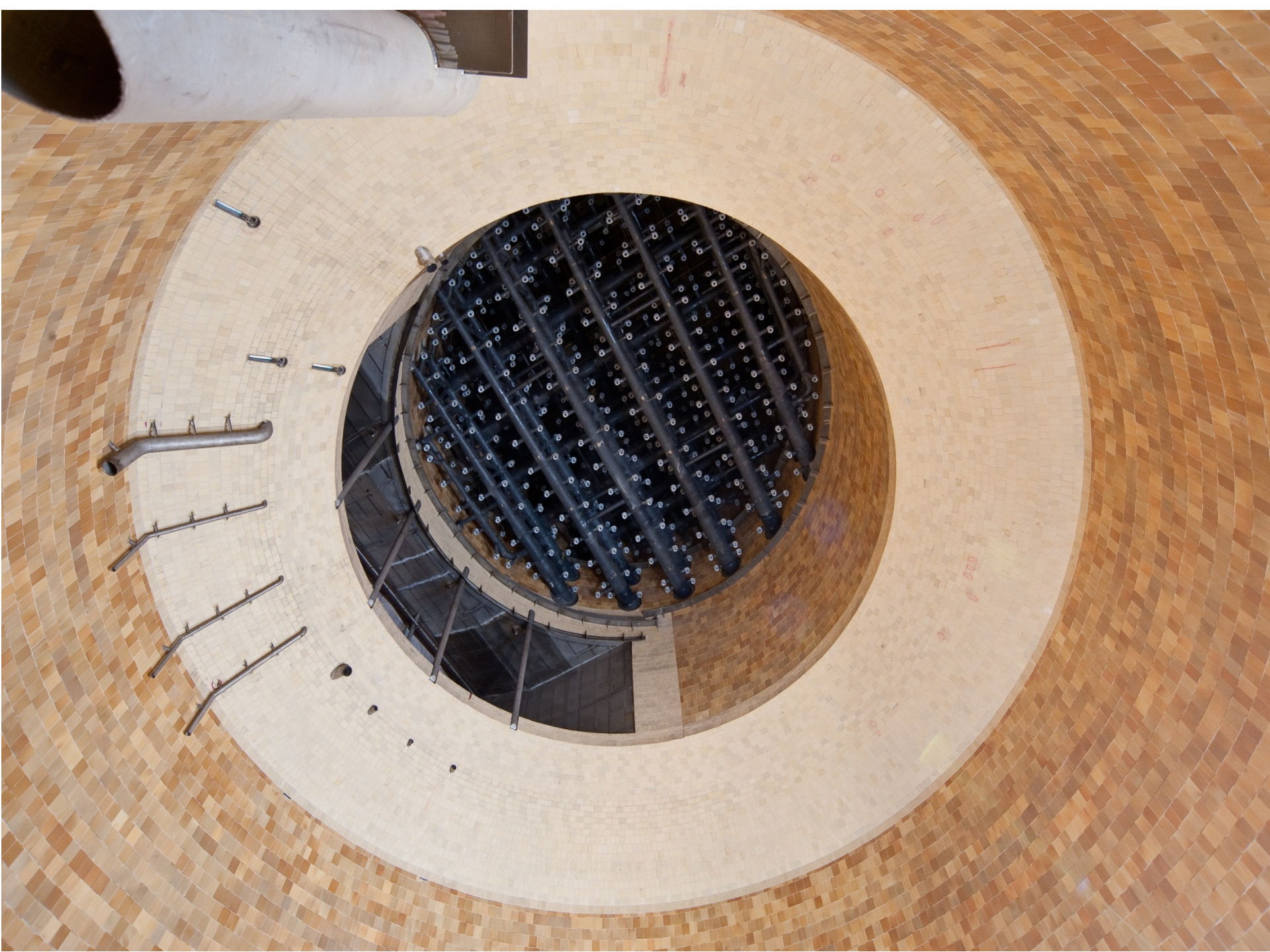
- New Water Treatment





Chemistry Processes

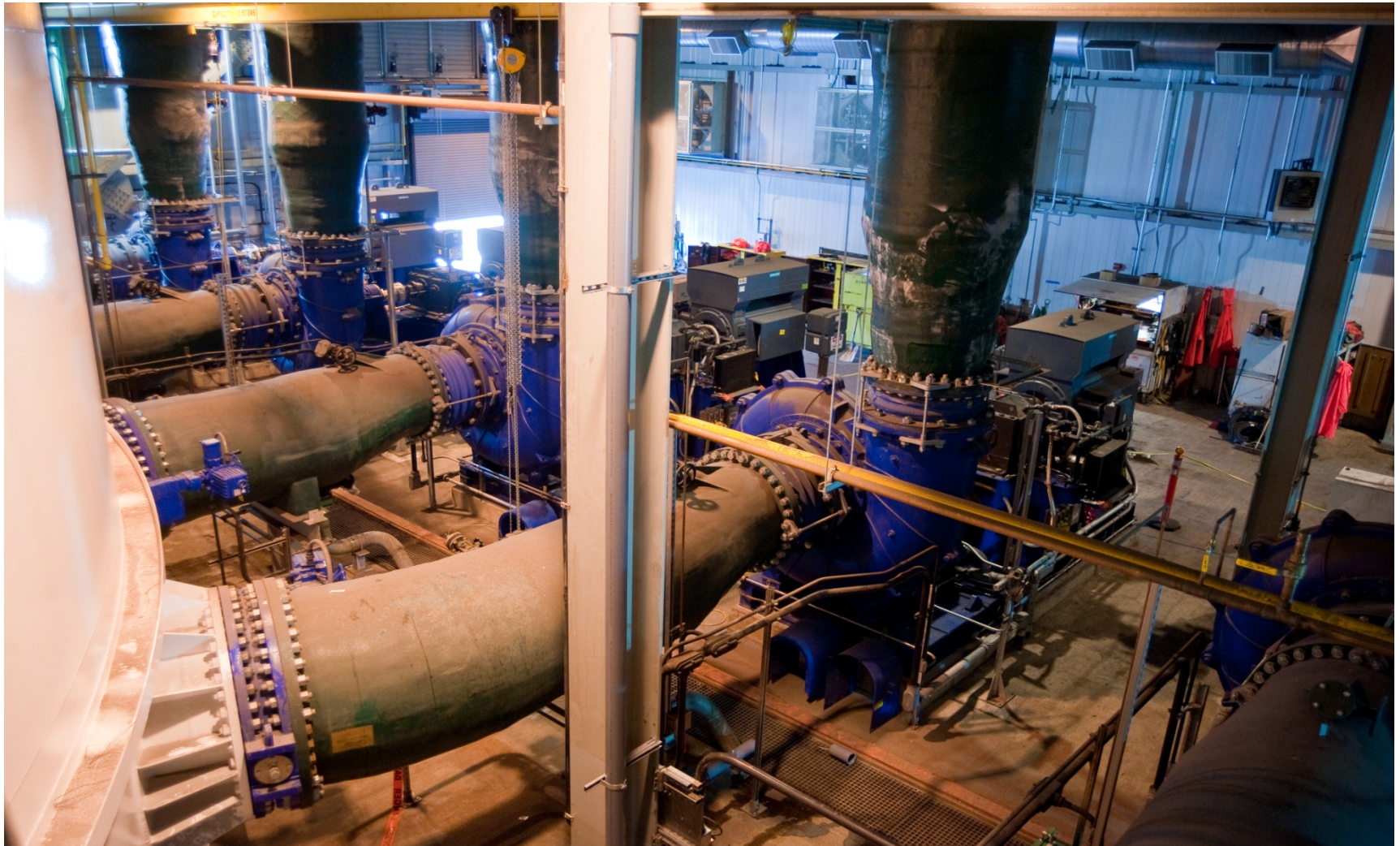




Absorber Equipment Added

- Absorber Recycle Pumps (10)
- Limestone Slurry Pumps (2)
- Absorber Bleed Pumps (4)
- Oxidation Air Agitators (10)
- Oxidation Air Blowers (3)
- Mist Eliminator Water Pumps (2)
- Air Compressors (2)

Absorber Recycle Pumps



Reactant Prep Area



Sioux Energy Center with WFGD



*Portage Des Sioux
February Progress
January 26 2010*

Two more Units to Operate



*Portage Des Sioux
February Progress
January 216 2010*