

Applicant's Witness Terry Graumann

Manager, Environmental Services
Otter Tail Power Company

Summary

Applicants' Exhibits 16 and 34

Other Reviews & Permits

- **Federal EIS**
 - ▣ Western Area Power Administration
 - ▣ Draft EIS on Public Notice
 - ▣ Record of Decision scheduled December 2006
- **PSD Air Quality Construction Permit**
 - ▣ Public comment period to close June 26, 2006
 - ▣ Updated application
- **Water Appropriations Permit**
 - ▣ Public Hearing July 12 - 13, 2006
- **Solid Waste Permit**
 - ▣ Issued June 20, 2006

Air Quality

- Sulfur dioxide
 - Reduced to one-seventh of current emissions
- Nitrogen oxides
 - No increase in site emissions
- Particulates
 - 99.9% removal
- Mercury
 - No net increase in site emissions, with cap of 189 lbs/year
 - Within three years of commercial operation, which allows opportunity to test and implement commercially available, technically feasible control measures
 - Comply with federal Clean Air Mercury Rule
- All enforced by DENR

Air Emissions Control Technologies

- Super-critical boiler
- Selection and use of most effective, commercially available technologies for emissions control of all air pollutants

Water Appropriation and Use

- Increase in water appropriation, but with no change in either pumping rates or seasonal limitations embodied in the existing permit
- Adopted site water management plan to reuse water to the maximum possible extent
- Zero discharge of process water to natural water bodies

Solid Waste Disposal Permit

- Use of existing disposal site regulated by existing permit
- Application for permit renewal included BSPll waste streams
- Permit reissued June 20, 2006 following public notice and thorough review by the SD DENR

Big Stone II -- Summary

- Will meet or exceed all air quality standards
- Is going above and beyond requirements to fulfill its commitment to protect the environment
- Will be a good neighbor and asset to the State of South Dakota