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J.W. Boyce (1884-1915)

October 10, 2005

Pam Bonrud, Executive Director
Public Utilities Commission
500 E Capitol
Pierre SD 57501

via email pam.bonrud@state.sd.us

Re: In the Matter of the Application by Otter Tail Power Company on Behalf of Big Stone II Co-Owners for an Energy Conversion Facility Permit for the Construction of Big Stone II Project (EL05-022)
Our File No. 11402.000

Dear Ms. Bonrud:

I am writing to provide information that was requested by the Commission during the September 13, 2005 public hearing in Milbank. During the public hearing, Terry Graumann presented a chart and information regarding sulfur dioxide (SO₂) emissions. (See Hearing Transcript p 32-33) As indicated on page 35 of the transcript, Commission Chairman Hanson requested similar information for nitrogen oxide (NO_x), mercury (Hg) and carbon dioxide (CO₂).

In response to said request, enclosed please find copies of three charts depicting the emission information for the three substances identified by Chairman Hanson and a chart of bullet points providing explanations as to the CO₂ emissions chart.

Sincerely yours,

BOYCE, GREENFIELD, PASHBY & WELK, L.L.P.

Christopher W. Madsen
CWM/vjj

Attachments - Nitrogen emissions graph, mercury emissions graph, carbon dioxide emissions graph and chart of bullet points re the carbon dioxide graph

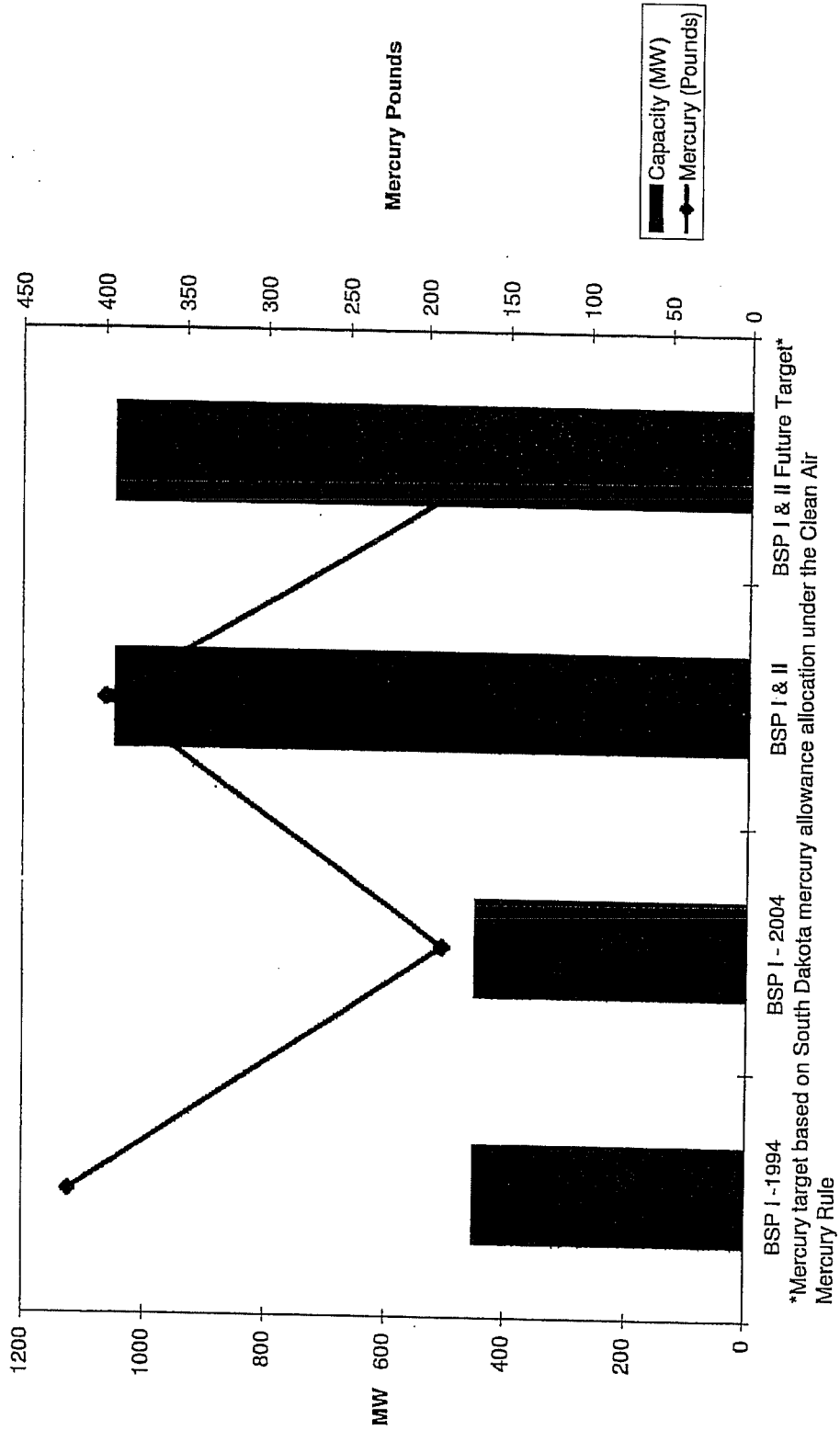
cc: Mark Rolfes (via email mrolfes@otpc.com w/enc)
Terry Graumann (via email tgraumann@otpc.com w/enc)

Steve
EXHIBIT NO. 1-G
C. BACHAND

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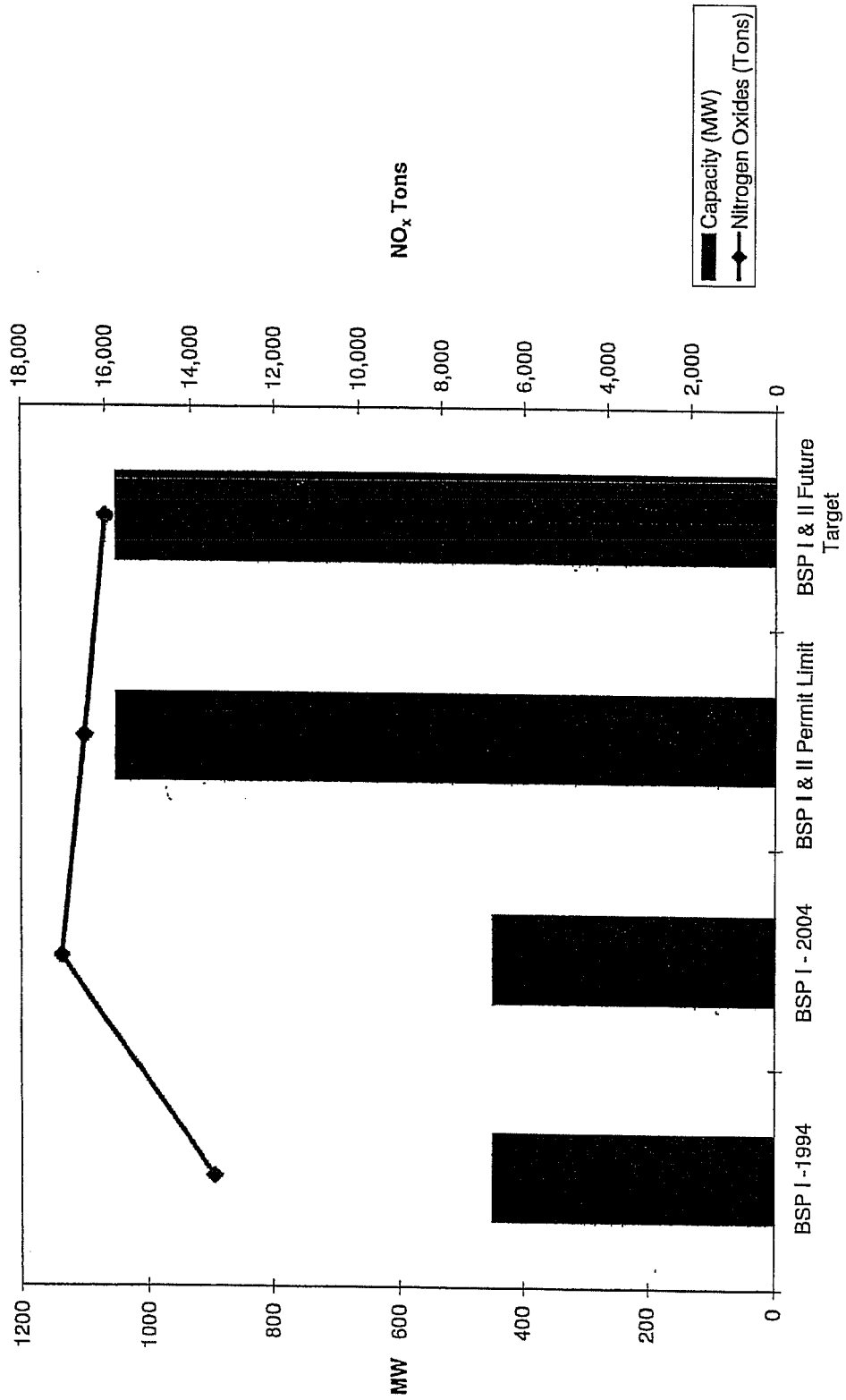
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Big Stone I & II Mercury



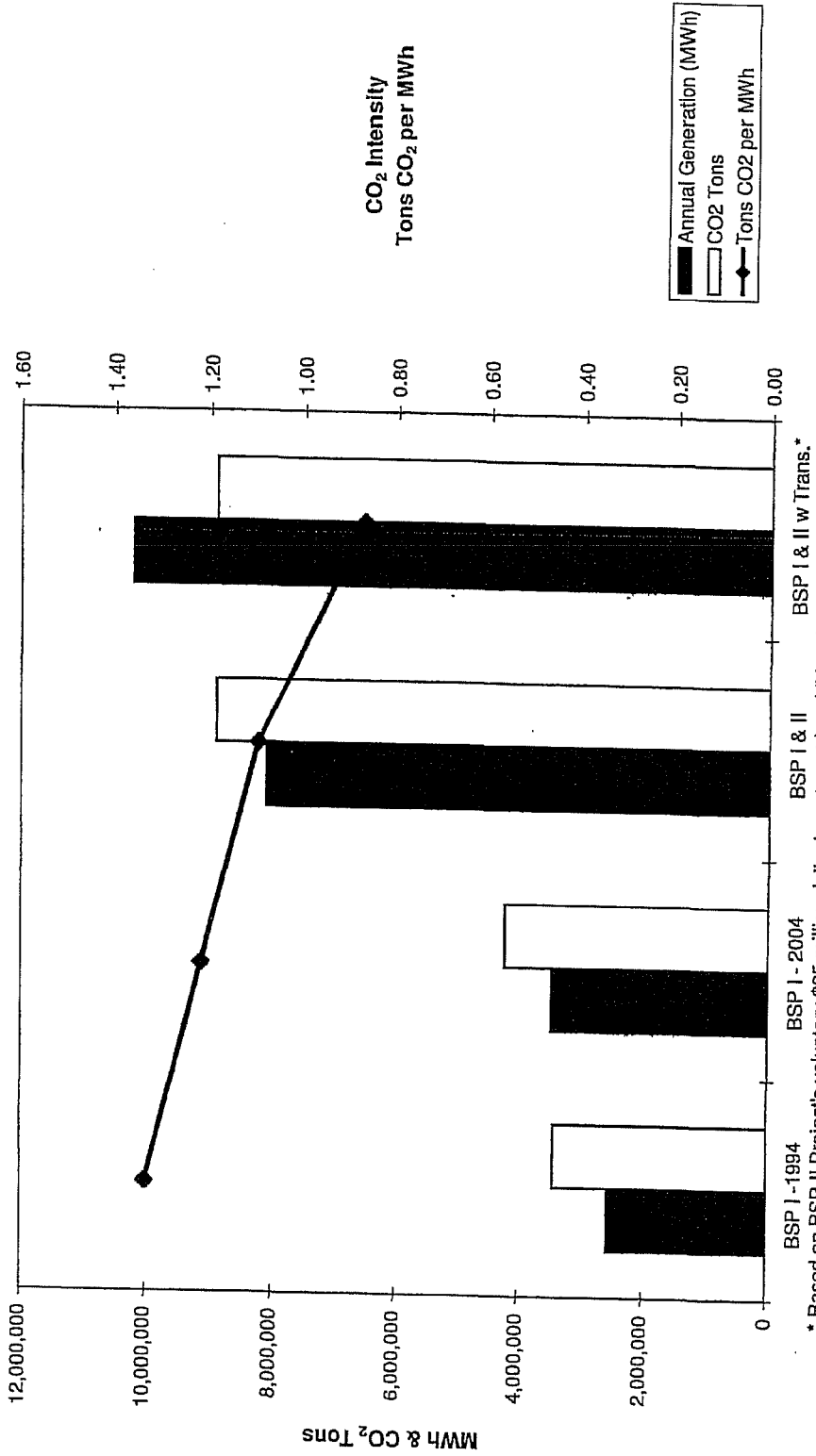
*Mercury target based on South Dakota mercury allowance allocation under the Clean Air Mercury Rule

Big Stone I & II Nitrogen Oxides



7729

Big Stone I & II Carbon Dioxide Intensity



* Based on BSP II Project's voluntary \$25 million dollar investment in additional regional transmission capacity and potential development by others of 800 MW of wind generation



Carbon Dioxide Emissions

- Carbon dioxide produced by combustion of all fossil fuels
- Emission rate determined by fuel carbon content and process efficiency
- No commercially available capture and sequestration technology
- In the meantime, CO₂ intensity is an appropriate benchmark

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