

# HDR MONTHLY PROJECT STATUS REPORT

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**To:** Karen Bulman,  
City of Rapid City, Growth Management Department

**From:** Jody Page,  
HDR Engineering

**Subject:** Basin Electric Noise & Vibration Study

**Date:** June 8<sup>th</sup>, 2007

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## **Basin Electric Noise & Vibration Study Project Status Report For activities from May 12<sup>th</sup> to June 8th, 2007**

### **1. Tasks completed during accounting period**

#### Project

- The Noise and Vibration measurements were taken on May 16 – 18. BHP notified HDR on May 11<sup>th</sup> that the intertie facility would be running at full capacity during the next week due to some power plant issues in Wyoming and that it would be an opportune time to take measurements. HDR responded by arranging the monitoring equipment and travel for Tim Casey to Rapid City on the 16<sup>th</sup> through the 18<sup>th</sup>. Vibration and noise measurements were taken at the 660' intervals in all four directions from the facility between the hours of 11 pm to 11 am while the intertie was running at 200 MW. There were some thunderstorms in the area on the night of the 17<sup>th</sup>, but the weather was clear and mostly calm during the observation periods. Twenty four hour noise measurements were also conducted at the 5 residences closest to the facility. Note that the 24 hour monitor at the Miller residence did not work properly, HDR is evaluating whether another test is needed. BHP will provide the city with logs to indicate the operational levels of the facility throughout the monitoring time frames.

#### Landowner Contacts

- HDR called each of the landowners within the ½ study area to notify them of the monitoring schedule, answer any of their questions, and obtain their permission. HDR also spoke with the Miller's on several occasions to hear their issues about the project and answer their questions.

#### Project Schedule

- HDR created this proposed project schedule that was adjusted now that the monitoring has been accomplished. The schedule moves forward to address the reports, land use assessment, and public involvement tasks. The landowner meetings and open houses are flexible pending the schedule of the city's schedule and preference.

#### Noise & Vibration

Data Gathering - Monitoring Plan	January - May 17 2007
Noise/Vib Analysis	May 16th - July 13th
Draft Report	August 3rd
Final Report	September 7th

#### Land Use Assessment

Data Gathering & Review	January - May
Evaluate Noise and Vib Impacts	July 13th - August 3rd
Develop Alternatives	July 13th - August 3rd
Draft Report	August 3rd
Final Report	September 7th

Public Involvement

Landowner Meetings	July 13th – August 14th
Draft Report Presentation/Public Open House	August 15 <sup>th</sup> 4:30 pm – 6:30 pm
Final Report Presentation/Public Open House	September 19 <sup>th</sup> 4:30 pm – 6:30 pm

**2. Tasks for this month**

Noise and Vibration Analysis

- HDR will review the data collected and create a draft report with the results and analysis.

Website Information

- HDR will work with Karen and get a project update and the revised schedule information on the link on the City of Rapid City's website.