

**Supplemental Responses to Questions from Commissioner Information Meeting
March 11, 2010
Public Service Company of Colorado**

- **Does the Induced draft fan have a noise specification? If so, is the fan meeting that specification?**

Yes there is a noise specification and the fan is very close to meeting that specification. The specification states: "Sound pressure level emanating from Contractor's Equipment shall not exceed 85 dBA when measured at any point 3 feet from equipment at an elevation of 5 feet above grade." The reading 3 feet from the equipment measured was 88 dBA. If this level is still above 85 dBA at the time of the performance test the Contractor will be advised that corrective action needs to be taken.

- **Who manufactured the ID fans?**

Howden Denmark A/S supplied under contract to Babcock & Wilcox.

- **What is the controlling statute for noise regulations?**

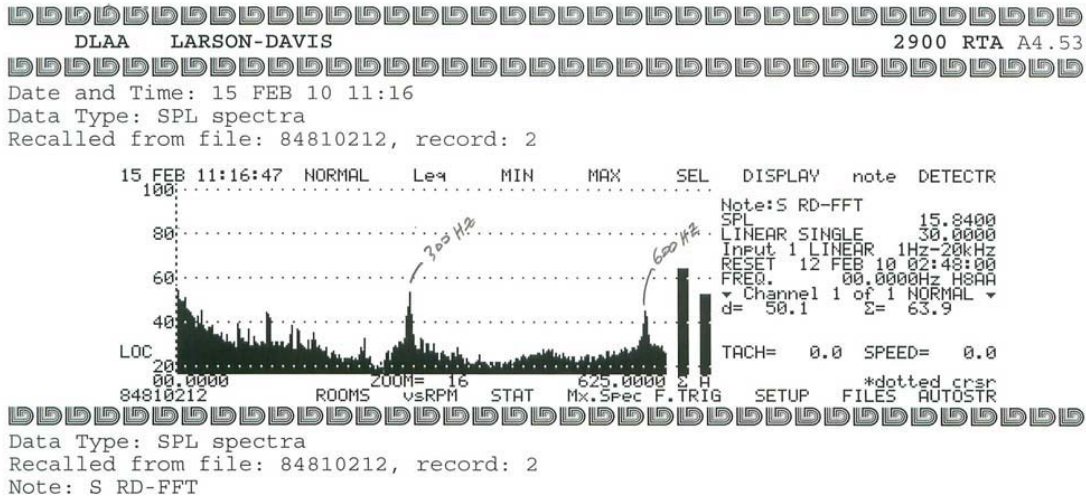
From 7 PM to 7 AM, the requirement is 75 dBA and from 7 AM to 7 PM, it is 80 dBA per C.R.S. § 25-12-103.

- **What state or local entity is responsible for enforcing noise regulations?**

The enforcement of the Colorado noise statute may be undertaken by "any county or resident of the state" per C.R.S. § 25-12-104.

- **At the public meeting there was a discussion by the sound engineer regarding the cycling of the sound from the plant and that this made the noise sound constant. Can you explain this? Can you provide the graph that was shown at the public meeting?**

Here is a copy of the referenced graph. The sound does not pulse – the human ear hears the sound as constant.



The image above was from one of the posters presented at the Community Meeting. It shows a plot of a Narrow Band Sound Level Measurement. This particular measurement was taken on South Road at 2:48 am on February 12, 2010. This is the type of measurement that was used to identify the "signature" of the tone. The sound levels shown on the vertical axis are not important and are not recorded on a comparable basis as used to determine compliance with noise codes. What is important in this measurement is the peaks that are evident at about 300 Hz and 600 Hz. These peaks are also present at the Comanche Station property line and at the ID fans and stack. The 300 Hz peak matches the blade pass frequency of the ID fans. The 600 Hz tone is the expected 1st harmonic of the 300 Hz tone.

- **What is the ambient noise level without Comanche 3?**

The noise levels have been below 50 dBA in the neighborhood when Unit 3 is not operating.