

PROJECT PROFILE: **POWER PLANT**



PROJECT: Hardin Generating Station
Hardin, Montana

Big Sky Acoustics was hired to document outdoor noise levels at noise-sensitive locations near the coal-fired power plant, and develop effective noise control measures.

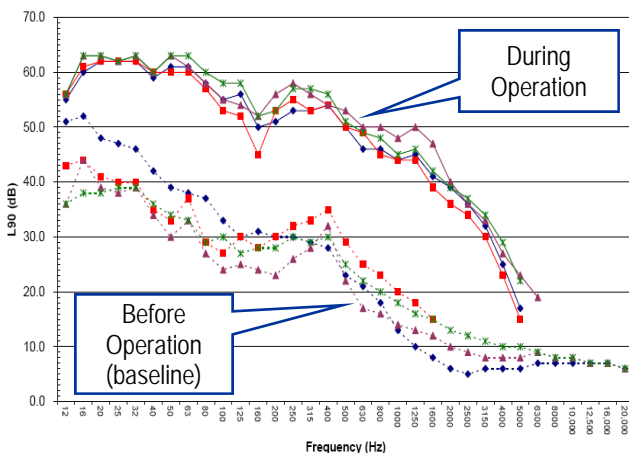
BSA's SERVICES AND SOLUTIONS:

- ◆ Measured the ambient noise levels at residents, a campground and a fishing access site within 1.5 miles of the plant:

- before operation - to establish baseline conditions,
- during operation - for comparison to the baseline.

- ◆ Conducted operational noise level measurements around the plant to identify and rank the dominant noise sources including:

- ID and FD fans and motors,
- Conveyors,
- Pumps, and
- Exhaust fans.



- ◆ Developed a computer model of the plant noise sources, using the measured ambient and operational noise level data and predicted the effectiveness of various noise control measures

- ◆ Recommended silencers, barriers and enclosures to quiet the plant equipment.

- ◆ Documented the measurement data and noise analysis in a report that allowed the client to determine which noise control measures were the most cost-effective to mitigate the dominant noise sources.