

PROJECT PROFILE: EXHAUST FANS

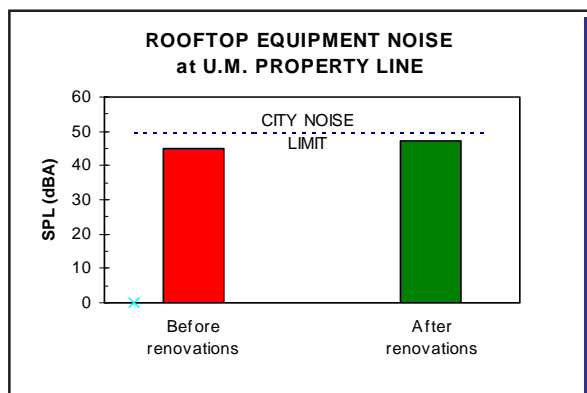


PROJECT: SCIENCE COMPLEX EXHAUST SYSTEM RENOVATIONS
Missoula, Montana

Due to noise-related complaints regarding the rooftop laboratory exhaust fans, the University hired Big Sky Acoustics to analyze rooftop ventilation equipment renovations and noise control measures.

BSA's SERVICES AND SOLUTIONS:

- Measured the existing ambient noise levels at the University property line and in the residential neighborhood in order to establish the baseline noise levels.
- Provided noise control design recommendations and guidelines for the selection of quiet equipment for the new 15,000 cfm fans, thereby reducing the need for additional noise control measures such as silencers.
- Predicted the change in ambient noise levels due to the proposed system and new fans, and compared the predicted noise levels to the Missoula City Noise Ordinance to determine compliance.



Conducted follow-up noise level measurements to confirm that the renovations did not noticeably increase the ambient noise levels, and that the noise from the rooftop equipment was in compliance with the City Noise Ordinance.