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Hello Joan:

How are you? I have the following comments regarding the proposed changes:

- In Section 4.1, subsection 4b, item ii: *“after an isolation analysis has been undertaken, the difference in average sound levels from individual nighttime periods or daytime periods is no greater than plus or minus three dBA.”* Is the average sound levels an arithmetic or logarithmic average of individual nighttime periods or daytime periods. If it is a logarithmic average, could the average be time-weighted (e.g., 4 hours for one night, and 9 hours for the other night).
- Glossary – Dwelling definition: *“The most affected dwelling(s) are those subject to the highest average weighted sound level relative to the permissible sound level.”* It is not clear if the “highest average weighted sound level” refers to the cumulative sound level or the proposed project. In cases where there are different PSLs for receptors, does the highest refer to the arithmetic difference between the Project sound level and the PSL?
- Glossary – Receptor: The revised definition of receptor includes other types of noise receptors (e.g., sites of ceremonial or cultural importance). I believe this is a positive change which considers potential areas for indigenous usage or practice. However, the mechanism in which how a location is accepted by AUC as a noise receptor is not clear. A prescribed approach which may include the process and timeline would be helpful. In addition, would this receptor be subjected to the noise effect from other AER related facilities in a cumulative sound level approach? Currently, AER Directive 038 does not include other types of noise receptors.

Overall, I think the proposed changes are improving Rule 012 to be more streamlined and clear in certain areas.

Thanks!

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