

MEMO

DSA Acoustical Engineers, Inc.

15399 SW Burgundy Street
Tigard, OR 97224

Date: May 13, 2022

To: Joe Samaniego, City Manager
City of Tangent, OR

From: Kerrie Standlee, P.E.

Re: SteelFab 12-Month Post Mitigation Noise Compliance Report
DSA File #: 101201

CC: Creed Eckert, City Planner

Message:

Hello Joe,

As requested, I reviewed the revised May 11, 2022, SteelFab Oregon 12-Month Post Mitigation Noise Study report (revision 2) generated by ABD Engineering & Design, Inc. This memo provides my comments about the revised report.

As requested in my April 14 memo, the 12-Month Post Mitigation Noise report now correctly states that steel fabrication operations on the SteelFab site are considered a “new noise source located on a previously used industrial site”, not an existing noise source. The report correctly states that the noise radiating from the SteelFab facility is limited to the DEQ “maximum allowable noise limits” because it is a new source located on a previously used industrial or commercial site.

I also noted that the revised report now includes more discussion about the effect of the open-door test conducted during the noise compliance measurements and it adequately explains how the measurement results support the conclusion that having the doors open on the east side of the Industrial Building and the north and south end of the Structural Building did not cause an increase in the measurement results. A re-write of the section of the report discussing when observations were made at the site helped me better understand the timeframe when the doors were open.



SteelFab 12-Month Post Mitigation Noise Compliance Report

Finally, I noted that a figure was added to the report to show the times when un-weighted peak sound pressure level exceeded the DEQ nighttime (10 p.m. to 7 a.m.) limit of 80 dB. It was noted that the times appeared to coincide with the early morning shift change period when employees got into and out of their vehicles in the north parking lot. I would agree with the comment in the report that it is not clear if the noise generated by the closing of a door on an employee's vehicle would be considered a part of the DEQ regulated operational noise, and I would agree that it would be possible to use an administrative control such as described in the report to reduce the amount of impact noise radiating to the community if that noise becomes a source of complaint.

If you have any questions, please do not hesitate to let me know.

