

SDOT Noise Variance Compliance Assessment Report #4

Reporting Date Range:	05/02/11 – 05/08/11
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Project Summary

Variance # and Type:	3011335, Major Public Project Construction Variance
Variance Holder:	Seattle Department of Transportation
Project Name:	Mercer Corridor Improvements Project
Contractor:	Gary Merlino Construction Company
Sound Monitoring Firm:	The Greenbusch Group, Inc.

Assessment Summary

Hourly sound level data was reviewed in accordance with the established protocol to determine the variance exceedances identified herein.

Number of Exceedances:	Courtyard Marriot (05/03-06/11)	Mercerview Apartments (05/06-08/11)	
	0 (NONE)	0 (NONE)	
Number of Complaints:	Agency Hotline	DPD Hotline	DPD E-mail
	0 (NONE)	0 (NONE)	0 (NONE)

Variance Exceedance Details (All Sound Levels Hourly L₀₁)

Date:	N/A	Hourly Period:	N/A
Commercial Sound Level Limit:	85 dBA	Measured Sound Level:	< 85 dBA
Duration Residential Sound Levels from Site Emissions Were Above 85 dBA			N/A

No exceedances were measured during this reporting period.

Complaint Details

Date:	N/A	Time:	N/A
Complainant:	N/A	Location:	N/A
Complaint Associated with Noise Source Resulting in Exceedance?			N/A

No nighttime noise complaints were received during this reporting period.

General Notes and Observations:

Monitoring was conducted during nighttime work hours to assess compliance with Variance limits. Sound levels were measured at the Courtyard Marriot hotel and the Mercerview Apartments, the nearest sensitive receptors.

Nighttime construction activities near the Courtyard Marriot focused on installation of Seattle City Light distribution duct banks at 9th Avenue and Broad Street. Nighttime construction activities at the Mercer I-5 on/off ramps, located near the Mercerview Apartments, included trench excavation/shoring, conduit/rebar installation, and FTB/concrete pouring.

Completed by:	Adam C. Jenkins, INCE, PE(OR)	Date:	05/13/11
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Site inspection visits were conducted at the I-5 on/off ramp work areas around 12 am on 05/07/11 and 05/08/11. Observations of work in non-compliance with Variance conditions include the following:

1. Variance conditions require the use of broadband backup alarms, tonal alarms are prohibited. One tonal alarm installed on a CAT 938G loader was observed on 05/08. This condition was not observed on 05/07.
2. Variance conditions require the use of damping compound on dump truck beds or maintaining 2 feet of dirt in the bed. Dump truck beds did not appear to have damping compound applied or consistently maintain 2 feet of dirt in the bed on 05/07. When 2 feet of dirt in the bed was maintained, sound levels associated with loading of excavation materials were significantly reduced. This condition was not observed on 05/08.

Completed by:	Adam C. Jenkins, INCE, PE(OR)
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