

SDOT Noise Variance Compliance Assessment Report #65

Reporting Date Range:	7/16/12 – 7/22/12
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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, East Phase
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:	Residence Inn (7/17/12 – 7/20/12)		
	1		
Number of Noise Complaints:	Project Hotline	DPD Hotline	DPD E-mail
	2	0 (NONE)	0 (NONE)

Variance Exceedance Details (All Sound Levels Hourly L₀₁)

Date:	7/17/12	Hourly Period:	10:00 PM – 11:00 PM
Commercial Sound Level Limit:	85 dBA	Measured Sound Level:	86 dBA
Duration Residential Sound Levels from Site Emissions Were Above 85 dBA			53 seconds

One exceedance was measured on Tuesday (7/17) between 10:00 PM and 11:00 PM. The primary noise source generating the exceedance was an impact device operating between 10:52 PM and 10:58 PM.

Noise Complaint Details

Date:	7/17/12	Complaint #:	071712-1	Time:	10:45 PM
Complainant:	Guest at Residence Inn			Location:	Residence Inn
Complaint Associated with Noise Source Resulting in Exceedance?					Yes
Date:	7/17/12	Complaint #:	071712-2	Time:	10:45 PM
Complainant:	Front Desk			Location:	Residence Inn
Complaint Associated with Noise Source Resulting in Exceedance?					Yes

Two noise complaints were received through the Project Hotline during this reporting period, both complaints were from the Residence Inn.

Complaints 071712-1 and 071712-2 were received at 10:45 PM on Tuesday (7/17). Complaint 071712-1 was a guest at the Residence Inn who reported loud construction noise. Complaint 071712-2 was from the front desk of the Residence Inn, reporting that several guests had been complaining about loud construction noise. An investigatory site visit was conducted within 30 minutes of receiving the complaints and the Resident Engineer was notified. During the investigatory site visit, the workers on site were performing quiet work in a trench, no loud activities were observed. The workers indicated

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that they had ceased louder activities by 10:00 PM and insisted the complaint was from non-Project noise sources. The INM followed up with both the guest at Residence Inn (071712-1) as well as the front desk (071712-2), but no additional detail describing the nature of the noise generating the complaint was obtained. Review of sound data revealed a sound level exceedance between the hours of 10:00 PM and 11:00 PM from an impact device used on the site. A second site visit took place Wednesday night (7/18) to investigate potential non-Project noise sources contributing to the complaints, none were identified.

General Notes and Observations:

Monitoring was conducted during nighttime work hours to assess compliance with Variance limits by measuring sound levels at the nearest sensitive receiver. Nighttime construction activities near sensitive receivers included water main installation near Valley and Fairview.

An investigatory site visit was conducted in response to complaint numbers 071712-1 and 071712-2 on Tuesday (7/17) at 11:30 PM; all observed activities were compliant with Variance conditions. A routine site visit was also conducted on Wednesday (7/18) between the hours of 10:30 PM and 12:30 AM; all activities were compliant with Variance conditions.

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