

SR 520 Montlake Project

Noise Monitoring Weekly Report Summary for Monday, November 15, 2021 to Sunday, November 21, 2021

PUBLISHED NOVEMBER 24, 2021

Monitoring times: Weekdays, 10 p.m. to 7 a.m.; weekends, 10 p.m. to 9 a.m.

How to use this report: This document summarizes the weekly nighttime noise data for the SR 520 Montlake Project. In it, you'll find:

- Page 1 - Summary of noise levels recorded above the limits allowed under the Major Public Project Construction Noise Variance, for this week and throughout the project. This includes non-project-related noise exceedances
- Page 2 - Map of the project limits and locations of the seven stationary monitor locations
- Pages 3 – 9 - Night-by-night noise recordings for each of the project noise monitors, along with a description of the work that night, comments received from the public regarding Project noise, and explanations for any noise limit exceedances and actions taken in response
- Page 10 - Log of public comments regarding nighttime noise issues and resolutions for the week

WSDOT is sharing this information as per the terms of the Major Public Project Construction Noise Variance (Permit #3030792).

MPPCNV start date: Friday, August 16, 2019

MPPCNV days to date: 829

WEEKLY TOTALS	
Nights worked this week (under the MPPCNV)	7
Project related non-compliance this week	0
Nighttime noise issue comments to the project	2
Non-project-related noise exceedances this week	23

PROJECT TOTALS TO DATE	
Total Nights Worked (under the MPPCNV)	406
Total Project related non-compliance	109
Total noise issue comments to the project	110
Total non-project related exceedances	3086

Noise Monitoring Locations: the map below shows the work limits of the SR 520 Montlake Project and the locations of the seven stationary noise monitoring sites

EXHIBIT 5. CONSTRUCTION AREA AND NOISE MEASUREMENT LOCATIONS



SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT

Monday, November 15, 2021 to Sunday, November 21, 2021 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Monday, November 15, 2021												
Site	Site limit*	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
Site 1 - 2449 E. Lk WA Blvd	67	54.8	52.0	50.5	48.5	50.9	50.5	52.8	56.2	58.5	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	59.8	59.4	60.3	56.8	57.2	51.8	53.3	58.7	61.9	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	49.6	46.1	46.0	43.3	42.9	43.7	45.9	48.8	52.8	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	58.9	56.0	55.3	53.0	54.3	60.4	62.4	67.0	69.1	N/A	N/A
Site 5 - 2565 22nd Av E.	65	57.6	56.8	56.8	53.7	54.1	50.9	51.6	56.7	60.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	53.7	50.8	49.4	45.2	46.8	48.3	50.2	54.3	57.8	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	52.5	49.4	49.6	46.5	47.5	46.4	47.8	53.9	57.6	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.2	52.0	50.7	48.3	49.2	51.0	51.5	55.9	59.1	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.3	57.3	60.2	53.6	55.5	53.3	54.8	61.8	64.3	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	61.6	59.0	57.9	55.3	58.4	53.1	56.9	64.6	66.2	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
Design-Builder worked between 10:00pm and 7:00am to drainage on the EB SR 520 on-ramp & off-ramp, delivery of 4 beams.

Public Comments:
No public comments received related to nighttime noise.

Exceedances:
Site(s) 4, 6, 9 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Non-Compliance:
None

Legend
Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.
N/A = Time Period not applicable to MPPCNV
Red = Noise Level Exceedance, project related
Blue = Noise level exceedance, not project related
~ = No Data Available
= No contract work . Portable monitors are not being used (not needed).

SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT

Monday, November 15, 2021 to Sunday, November 21, 2021 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Tuesday, November 16, 2021												
Site	Site limit*	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
Site 1 -2449 E. Lk WA Blvd	67	57.4	54.5	53.7	50.1	51.5	51.5	54.7	58.6	60.7	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	60.6	58.3	57.1	57.4	59.1	59.6	55.3	60.4	63.4	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	52.1	49.4	48.8	47.8	47.0	47.1	48.8	52.4	56.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	62.1	61.0	56.3	55.1	53.5	55.3	61.6	67.2	68.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	58.5	55.8	54.5	54.5	54.9	55.9	53.6	58.4	61.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.2	52.7	49.8	47.1	48.2	46.8	49.2	51.8	54.4	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	54.6	52.0	50.0	47.5	49.9	49.4	50.8	55.4	57.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.8	56.1	52.2	50.2	50.7	50.8	52.7	55.1	56.5	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	59.7	57.0	57.0	52.2	58.0	55.6	57.4	63.0	64.1	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	63.4	60.3	60.5	55.5	58.6	58.6	60.6	65.4	67.3	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 4:00am to install underlid lighting and drainage work on the EB SR 520 on/off-ramp from Montlake Blvd.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 4 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Non-Compliance:

None.

Legend

Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.

N/A = Time Period not applicable to MPPCNV

Red = Noise Level Exceedance, project related

Blue = Noise level exceedance, not project related

~ = No Data Available

= No contract work . Portable monitors are not being used (not needed).

**SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT**

Monday, November 15, 2021 to Sunday, November 21, 2021 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Wednesday, November 17, 2021												
Site	Site limit*	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
Site 1 - 2449 E. Lk WA Blvd	67	58.4	53.9	52.3	50.7	50.2	51.4	54.3	57.8	59.4	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	65.8	66.5	70.2	69.7	67.7	67.7	60.2	60.0	63.6	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	54.3	50.2	47.7	46.6	45.6	45.0	48.1	51.1	55.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	59.7	57.0	57.1	56.9	55.0	59.4	60.0	66.9	68.9	N/A	N/A
Site 5 - 2565 22nd Av E.	65	62.8	63.2	67.1	66.0	64.1	64.0	57.4	58.1	62.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	55.4	51.9	48.7	47.6	47.0	46.0	52.1	54.9	54.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.2	52.7	54.4	54.3	52.0	53.7	51.6	55.0	56.4	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	57.9	54.8	52.7	52.3	51.3	50.9	54.0	56.4	57.4	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	60.7	60.2	64.2	64.1	60.9	63.9	57.7	61.5	64.6	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	64.4	59.6	58.7	56.5	56.0	58.7	60.5	64.1	66.6	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 5:00am to install underlid lighting, install soil nails and drainage work on the EB SR 520 on/off-ramp from Montlake Blvd. Soil Nails installation is covered under TNV #6866778-NV.

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site 5 exceedances are due to soil nail drilling which is covered under the TNV #6866778-NV. Site(s) 4 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Non-Compliance:

None

Legend

Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.

N/A = Time Period not applicable to MPPCNV

Red = Noise Level Exceedance, project related

Blue = Noise level exceedance, not project related

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= No contract work . Portable monitors are not being used (not needed).

SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT
Monday, November 15, 2021 to Sunday, November 21, 2021 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Thursday, November 18, 2021												
Site	Site limit*	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
Site 1 - 2449 E. Lk WA Blvd	67	58.8	55.8	54.4	53.6	51.5	52.7	56.0	59.3	61.3	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	69.6	69.9	68.7	70.2	70.0	66.2	65.2	64.3	64.4	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	55.6	53.3	51.7	52.1	53.2	54.8	53.6	56.0	57.2	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	64.3	62.2	62.3	59.0	56.2	57.1	61.8	67.5	69.7	N/A	N/A
Site 5 - 2565 22nd Av E.	65	66.4	66.6	65.5	67.1	66.2	62.9	62.5	62.4	62.4	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.0	49.4	49.4	47.6	46.5	47.4	49.4	51.6	53.3	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	58.1	56.9	55.6	56.2	54.0	54.7	54.3	56.1	59.7	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	54.9	54.0	53.1	52.1	51.9	51.4	52.9	55.5	56.3	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	66.3	65.4	64.8	65.1	63.1	61.8	66.4	64.8	67.5	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	66.5	62.2	60.6	60.3	58.0	58.8	63.6	66.5	69.9	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:
Design-Builder worked between 10:00pm and 5:25am to install underlid lighting, steel plate installation, install soil nails and drainage work on the EB SR 520 on/off-ramp from Montlake Blvd. Soil Nails installation is covered under TNV #6866778-NV.

Public Comments:
No public comments received related to nighttime noise.

Exceedances:
Site 5 exceedances are due to soil nail drilling which is covered under the TNV #6866778-NV. Site(s) 4, 9 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Non-Compliance:
None

Legend
Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.
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NOISE MONITORING - WEEKLY REPORT
Monday, November 15, 2021 to Sunday, November 21, 2021 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Friday, November 19, 2021												
Site	Site limit*	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
Site 1 - 2449 E. Lk WA Blvd	67	60.4	63.4	64.7	62.7	63.1	60.1	60.8	61.0	60.6	61.4	63.6
Site 2 - 2015 E. Roanoke St	78	70.3	70.7	70.2	70.3	70.5	70.1	68.8	64.1	62.2	61.9	63.1
Site 3A - 3810 E. McGilvra St	62	46.5	43.9	48.0	44.0	40.5	38.9	37.0	39.8	44.3	44.7	48.6
Site 4 - 2800 Montlake Blvd E	66	64.8	59.4	60.4	59.0	58.5	60.1	58.0	57.7	58.8	59.9	61.6
Site 5 - 2565 22nd Av E.	65	66.9	67.1	66.8	66.8	67.0	66.4	64.8	61.1	59.9	60.2	62.0
Site 6 - 2160 E. Hamlin St	63	61.0	63.1	64.7	64.9	65.0	65.0	62.4	62.2	63.3	64.8	66.3
Site 7 - 2209 E. Lake Wa Blvd	66	65.6	65.6	66.5	64.9	66.2	64.3	66.6	65.8	64.3	61.8	62.0
Site 8 - Portable Between Sites 4 and 6	63	61.4	62.4	66.2	65.4	65.0	63.1	61.1	58.8	58.6	61.5	63.3
Site 9 - Portable Between Sites 1 and 7	66	69.0	68.3	68.9	68.2	69.4	68.0	70.0	69.4	67.8	65.4	66.7
Site 10 - Portable Between Sites 1 and 7	66	69.7	70.5	70.7	68.6	69.1	66.2	68.6	69.3	68.4	68.3	71.1

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 9:00am to install underlid lighting, Bridge demolition, install soil nails and excavation & removal of 54" pipe, light post removal and abutment saw cutting & excavation. Soil Nails installation is covered under TNV #6866778-NV. Demolition of the 24th St bridge over SR 520 is covered under TNV #6867591-NV.

Public Comments:

2:00 A.M. Novemver 20th - Resident called the project hotline to say to say they wanted to lodge a noise complaint. **See Public Notice Log For Additional Details.**

Exceedances:

Site(s) 5, 6, 7, 8, 9 and 10 exceedances are project related. Site 5 exceedances are due to soil nail drilling which is covered under the TNV #6866778-NV. Sites 6, 7, 8, 9 & 10 exceedances are due to 24th St. Bridge demolition which is covered under the TNV #6867591-NV.

Non-Compliance:

None

Legend

Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.

N/A = Time Period not applicable to MPPCNV

Red = Noise Level Exceedance, project related

Blue = Noise level exceedance, not project related

~ = No Data Available

= No contract work . Portable monitors are not being used (not needed).

SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT

Monday, November 15, 2021 to Sunday, November 21, 2021 10 pm to 7 am (weekdays) / 9am (weekends)

The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Saturday, November 20, 2021

Site	Site limit*	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
Site 1 - 2449 E. Lk WA Blvd	67	60.0	60.1	57.2	58.3	61.8	59.3	58.7	58.0	56.8	56.0	54.2
Site 2 - 2015 E. Roanoke St	78	69.2	68.5	67.2	67.5	67.9	67.9	61.2	57.6	58.2	60.8	67.5
Site 3A - 3810 E. McGilvra St	62	42.2	48.5	42.3	31.2	37.2	40.3	38.9	40.3	40.9	41.9	47.3
Site 4 - 2800 Montlake Blvd E	66	57.1	56.4	53.7	54.9	55.7	56.9	58.1	55.6	56.0	56.3	58.7
Site 5 - 2565 22nd Av E.	65	65.5	65.5	64.3	64.8	64.6	64.8	58.3	55.1	56.0	57.3	63.4
Site 6 - 2160 E. Hamlin St	63	59.9	60.4	55.7	57.6	62.3	61.3	62.0	58.3	54.3	50.1	49.1
Site 7 - 2209 E. Lake Wa Blvd	66	60.2	60.6	57.7	57.0	58.8	58.5	62.3	57.2	54.1	53.1	54.7
Site 8 - Portable Between Sites 4 and 6	63	59.9	60.1	56.0	56.4	60.6	59.2	59.6	56.1	55.3	52.9	53.3
Site 9 - Portable Between Sites 1 and 7	66	64.4	65.0	64.5	63.5	63.1	62.7	64.5	63.0	60.7	59.3	64.3
Site 10 - Portable Between Sites 1 and 7	66	66.2	67.1	65.1	65.7	68.0	64.9	66.3	65.7	64.8	65.7	64.6

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 9:00am to installation of underlid lighting, bridge demolition, drill soil nails, excavation, removal of 54" pipe, debris hauling and backfill. Soil Nails installation is covered under TNV #6866778-NV. Demolition of the 24th St bridge over SR 520 is covered under TNV #6867591-NV

Public Comments:

No public comments received related to nighttime noise.

Exceedances:

Site(s) 5 and 10 exceedances are project related. Site 5 exceedances are due to soil nail drilling which is covered under the TNV #6866778-NV. Site 10 exceedances are due to 24th St. Bridge demolition which is covered under the TNV #6867591-NV.

Non-Compliance:

None

Legend

Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.

N/A = Time Period not applicable to MPPCNV

Red = Noise Level Exceedance, project related

Blue = Noise level exceedance, not project related

~ = No Data Available

= No contract work . Portable monitors are not being used (not needed).

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NOISE MONITORING - WEEKLY REPORT
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The table below includes data gathered from noise monitoring equipment located at seven stationary and three portable locations throughout the Montlake Project area

Sunday, November 21, 2021												
Site	Site limit*	10pm - 11pm	11pm - 12am	12am - 1am	1am - 2am	2am - 3am	3am - 4am	4am - 5am	5am - 6am	6am - 7am	7am - 8am	8am - 9am
Site 1 - 2449 E. Lk WA Blvd	67	53.6	53.4	52.9	51.0	53.2	53.6	51.3	55.5	59.2	N/A	N/A
Site 2 - 2015 E. Roanoke St	78	66.5	63.1	59.1	56.7	56.4	55.7	54.5	59.1	62.1	N/A	N/A
Site 3A - 3810 E. McGilvra St	62	41.7	40.9	40.0	36.7	39.1	42.9	49.6	52.0	53.6	N/A	N/A
Site 4 - 2800 Montlake Blvd E	66	61.0	58.2	55.5	55.8	60.5	57.5	62.1	67.5	69.0	N/A	N/A
Site 5 - 2565 22nd Av E.	65	64.4	60.6	56.9	54.4	53.9	54.7	52.9	57.5	60.1	N/A	N/A
Site 6 - 2160 E. Hamlin St	63	51.0	49.4	49.7	48.4	47.0	50.0	51.6	57.5	57.5	N/A	N/A
Site 7 - 2209 E. Lake Wa Blvd	66	55.6	52.8	50.8	49.7	47.9	51.3	49.9	54.3	57.0	N/A	N/A
Site 8 - Portable Between Sites 4 and 6	63	56.2	52.1	50.5	49.0	50.9	50.2	51.9	57.5	58.2	N/A	N/A
Site 9 - Portable Between Sites 1 and 7	66	64.2	61.7	60.0	60.4	56.7	59.6	57.7	62.0	64.8	N/A	N/A
Site 10 - Portable Between Sites 1 and 7	66	62.2	60.8	58.8	59.6	56.1	59.7	59.6	63.1	66.6	N/A	N/A

*Hourly-Average Leq (dBA)

Notes recorded by the on-site Independent Noise Monitor

Work:

Design-Builder worked between 10:00pm and 4:30am to installation of underlid lighting, striping & installation of pavement markings & RPMs, compaction of backfill and installation of temporary concrete barrier.

Public Comments:

10:30 P.M. Novemver 21st - The resident texted the project hotline, that was hearing loud machinery noise coming through the window. **See Public Notice Log For Additional Details.**

Exceedances:

Site(s) 4 and 10 exceedances are not project related. Exceedances are caused by public traffic driving by the noise monitors.

Non-Compliance:

None

Legend

Leq = Leq means the equivalent sound level, which is the constant sound level in a given time period.

N/A = Time Period not applicable to MPPCNV

Red = Noise Level Exceedance, project related

Blue = Noise level exceedance, not project related

~ = No Data Available

= No contract work . Portable monitors are not being used (not needed).

**SR 520 Montlake Project
Major Public Project Construction Noise Variance
NOISE MONITORING - WEEKLY REPORT**

Monday, November 15, 2021 to Sunday, November 21, 2021

10 p.m. to 7 a.m. (weekdays)/9a.m. (weekends)

Public Comment Log			
Date / Time	To/From	Issue	Resolution
2021-11-20 2:00AM	To: Project Hotline From: E. Lynn St. Resident	The resident called the hotline around 2 a.m. to say they wanted to lodge a noise complaint. The complaint was reported to Bryan Neet. That household did not receive a hotel offer, nor were they sent a targeted TNV notification, as they are a few blocks outside the radius that we distributed it.	Luis Sevillano from WSDOT took a reading and obtained 35.4db. There is no follow-up.
2021-11-21 10:30PM	To: Project Hotline From: E. Hamlin St. Resident	10:30pm: Resident texted the project hotline that there was a loud noise coming into her bedroom from a machinery. Would it end any time soon? 10:38pm: the resident texted again that the noise was getting louder. According to Bryan the resident recieved a hotel offer yet she declined.	10:42pm: Bryan Neet informed Collie from the project hotline that the SPM stripping crew were the ones who created those noises since they were at the yard south of the house with striper, RPM truck and a hydro blaster, and they were already out of the yard. Luis Sevillano from WSDOT took a readings near the residence after SPM had left and obtained readings in the low 50sdb.