



AIR, NOISE AND VIBRATION MONTHLY MONITORING REPORT Number 018

Prepared By: Roux / Wang Technology

DDC Project No.:	BBJ-XSP		Perio	d Start: 1/2/24 End 1/31/24		
Project Name:	NYCDDC D&B – The B	NYCDDC D&B – The Bronx Site Preparation				
DDC Pin No.: 8502021CR0004P-06P						
1) Community TWA – Time Weighter ug/m ³ - micrograms per		Status Summary				
Number of Workdays in a Month	Number of Air Monitoring Days in a Month	Number of Days with Dust Concentrations above Action Concentrations by Month (100 ug/m ³ 15 minute TWA)		Comments		
21	21	5		Each exceedance was recorded during separate 15-minute readings on 1/03, 1/05, 1/08, 1/09, 1/24, respectively. See details below.		
Action Concentration	Ionitoring Monthly Excurs =100 ug/m ³ 15 minute TWA above tion = 150 ug/m ³ 15 minute TWA a	background concentration		5		
Date: Time	Maximum Dust Reading Before Corrective Action 15 Minute TWA (ug/m ³)	Maximum Dust Read After Corrective Act 15 Minute TWA (ug/m ³)	tion	Corrective Action		
1/03 12:28	0.406	0.023		An elevated reading above the dust action level was caused by street sweeper operating close to CAMP station. Work was temporarily stopped, and water was used to mitigate dust in the work area.		
1/05 8:45	0.159	0.034		An elevated reading above the dust action level was caused by street sweeper operating close to CAMP station. Work was temporarily stopped, and water was used to mitigate dust in the work area.		
1/08 7:12	0.196	0.009		An elevated reading above the dust action level was caused by a car idling close to CAMP station. The operator was asked to move the vehicle as soon as possible.		



1/09 6:34	0.124	0.002	An elevated reading above the dust action level was caused by a car idling close to CAMP station. The operator was asked to move the vehicle as soon as possible.
1/24 06:23	0.127	0.056	An elevated reading above the dust action level was caused by a car idling close to CAMP station. The operator was asked to move the vehicle as soon as possible.
1/24 7:23	0.118	0.080	An elevated reading above the dust action level was caused by a car idling close to CAMP station. The operator was asked to move the vehicle as soon as possible.

Narrative Summary of Air Monitoring, Excursions and Corrective Actions:

In January 2024, construction-related levels of Particulate Matter (PM) PM10 did not surpass the Daily Permissible Exposure Limits (PEL) as set by federal standards for the 8-hour Time Weighted Average (TWA) and did not cause air quality concerns to the community and/or onsite workers.





2/12/2024

Units: A-weighted de	cibels (dBA				
Number of Workdays in a Month	Number of Noise Monitoring Days in a Month		Number of Days with Noise Levels above Action Levels by Month		Comments
21	21			1	There was one instance of noise levels above the 80 dBA limit. Occurring on 1/03 and is detailed below.
Community Noise Monitoring Monthly Excursions and Corrective Actions Action Level = 80 dBA Stop Work Level = 80 dBA					
Date: Tim	e	Maximum Noise before Corrective (dBA)		Maximum Noise Reading after Corrective Action (dBA)	Corrective Action
1/03/24 11:40 am 81.07			77.65	Exceedance began at 11:20am and ended at 11:40 am due to a truck idling near the noise meter along E 142st St. Operator was asked to move as soon as possible.	
Narrative Summary of Noise Monitoring, Excursions and Corrective Actions: In January 2024, construction-related levels of noise did surpass the limits of Local Law 113 of 2005 during one occasion on 1/03/24. The daily average was below the limits and did not cause noise concerns for the community.					



AECOM-Hill JV

3/26/2024

	c)	y Summary	
Number of Workdays in a Month	Number of Vibration Monitoring Days in a Month	Number of Days with Vibration Levels above Action Levels by Month	Comments
16	31	23	Two out of six vibration monitors recorded a total of two hundred and twenty-eight exceedances. Ninety-five exceedances were caused by the sensor failing sensor check and malfunction. The sensor was replaced post events. Forty-one events are not construction related; contractor confirmed that there was no work being performed in the area during the event times. Ninety-two exceedances were recorded during non-construction hours. Detailed information about exceedances is provided in the narrative summary section and plots.
	onitoring Excursions and		
	above background for VM /sec above background for		
	v		
	Maximum Vibration Level before Corrective	Maximum Vibration	
Date: Time	Action	Action	Corrective Action
	(in/sec)	(in/sec)	
	(11/000)	(11/000)	Exceedance observed at VM11 was
1/1/2024 00:30	0.6312	N/A	
1/1/2024 00:30	0.6312	N/A	recorded during non-construction hours. Exceedance observed at VM11 was not
1/1/2024 00:30 1/2/2024 08:15	0.6312	N/A N/A	recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no
1/2/2024 08:15	0.503		recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no work was being performed in the area.
			recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no
1/2/2024 08:15 1/3/2024 14:22 & 14:57	0.503 0.6485	N/A N/A	recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was
1/2/2024 08:15	0.503	N/A	recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours.
1/2/2024 08:15 1/3/2024 14:22 & 14:57 1/4/2024 05:30	0.503 0.6485 0.5601	N/A N/A N/A	recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were not
1/2/2024 08:15 1/3/2024 14:22 & 14:57	0.503 0.6485	N/A N/A	recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours.
1/2/2024 08:15 1/3/2024 14:22 & 14:57 1/4/2024 05:30 1/4/2024 07:52, 09:17, & 09:27	0.503 0.6485 0.5601 0.5784	N/A N/A N/A N/A	recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were
1/2/2024 08:15 1/3/2024 14:22 & 14:57 1/4/2024 05:30	0.503 0.6485 0.5601	N/A N/A N/A	recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours.
1/2/2024 08:15 1/3/2024 14:22 & 14:57 1/4/2024 05:30 1/4/2024 07:52, 09:17, & 09:27	0.503 0.6485 0.5601 0.5784	N/A N/A N/A N/A	recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were
1/2/2024 08:15 1/3/2024 14:22 & 14:57 1/4/2024 05:30 1/4/2024 07:52, 09:17, & 09:27 1/4/2024 19:57 & 23:27 1/5/2024 03:55	0.503 0.6485 0.5601 0.5784 0.5207 0.5281	N/A N/A N/A N/A N/A N/A	recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 was recorded during non-construction hours.
1/2/2024 08:15 1/3/2024 14:22 & 14:57 1/4/2024 05:30 1/4/2024 07:52, 09:17, & 09:27 1/4/2024 19:57 & 23:27	0.503 0.6485 0.5601 0.5784 0.5207	N/A N/A N/A N/A N/A	recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were not construction related, it is confirmed that no
1/2/2024 08:15 1/3/2024 14:22 & 14:57 1/4/2024 05:30 1/4/2024 07:52, 09:17, & 09:27 1/4/2024 19:57 & 23:27 1/5/2024 03:55 1/5/2024 06:20, 07:12, 10:17, & 12:47	0.503 0.6485 0.5601 0.5784 0.5207 0.5281 0.6144	N/A N/A N/A N/A N/A N/A N/A	recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 were recorded during non-construction hours. Exceedances observed at VM11 were recorded during non-construction hours. Exceedances observed at VM11 were recorded during non-construction hours.
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1/2/2024 08:15 1/3/2024 14:22 & 14:57 1/4/2024 05:30 1/4/2024 07:52, 09:17, & 09:27 1/4/2024 19:57 & 23:27 1/5/2024 03:55 1/5/2024 03:55 1/5/2024 18:27 1/5/2024 18:27 1/6/2024	0.503 0.6485 0.5601 0.5784 0.5207 0.5281 0.6144 0.5933	N/A N/A N/A N/A N/A N/A N/A N/A	recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were not construction related, it is confirmed that no work was being performed in the area. Exceedance observed at VM11 were construction related, it is confirmed that no work was being performed in the area. Exceedance observed at VM11 was recorded during non-construction hours. Exceedance observed at VM11 was
1/2/2024 08:15 1/3/2024 14:22 & 14:57 1/4/2024 05:30 1/4/2024 07:52, 09:17, & 09:27 1/4/2024 19:57 & 23:27 1/5/2024 03:55 1/5/2024 1/5/2024 1/5/2024 1/5/2024 1/5/2024	0.503 0.6485 0.5601 0.5784 0.5207 0.5281 0.6144	N/A N/A N/A N/A N/A N/A N/A	recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were recorded during non-construction hours. Exceedances observed at VM11 were not construction related, it is confirmed that no work was being performed in the area. Exceedance observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 were recorded during non-construction hours.
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1/2/2024 08:15 1/3/2024 14:22 & 14:57 1/4/2024 05:30 1/4/2024 07:52, 09:17, & 09:27 1/4/2024 19:57 & 23:27 1/5/2024 03:55 1/5/2024 03:55 1/5/2024 18:27 1/5/2024 18:27 1/5/2024 18:27 1/6/2024	0.503 0.6485 0.5601 0.5784 0.5207 0.5281 0.6144 0.5933 0.5508	N/A N/A N/A N/A N/A N/A N/A N/A N/A	recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were recorded during non-construction hours. Exceedances observed at VM11 were not construction related, it is confirmed that no work was being performed in the area. Exceedance observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 were recorded during non-construction hours.
1/2/2024 08:15 1/3/2024 14:22 & 14:57 1/4/2024 05:30 1/4/2024 07:52, 09:17, & 09:27 1/4/2024 19:57 & 23:27 1/5/2024 03:55 1/5/2024 03:55 1/5/2024 18:27 1/5/2024 18:27 1/5/2024 18:27 1/6/2024	0.503 0.6485 0.5601 0.5784 0.5207 0.5281 0.6144 0.5933 0.5508	N/A N/A N/A N/A N/A N/A N/A N/A N/A	recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were not construction related, it is confirmed that no work was being performed in the area. Exceedance observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 was recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours.
1/2/2024 08:15 1/3/2024 14:22 & 14:57 1/4/2024 05:30 1/4/2024 07:52, 09:17, & 09:27 1/4/2024 19:57 & 23:27 1/4/2024 03:55 1/5/2024 03:55 1/5/2024 03:55 1/5/2024 18:27 1/5/2024 18:27 1/5/2024 18:27 1/6/2024 1/8/2024 04:15	0.503 0.6485 0.5601 0.5784 0.5207 0.5281 0.6144 0.5933 0.5508 0.5393	N/A N/A	recorded during non-construction hours. Exceedance observed at VM11 was not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were not construction related, it is confirmed that no work was being performed in the area. Exceedances observed at VM11 were recorded during non-construction hours. Exceedances observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 were not construction related, it is confirmed that no work was being performed in the area. Exceedance observed at VM11 were recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 was recorded during non-construction hours. Exceedances observed at VM11 was recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedance observed at VM11 was recorded during non-construction hours. Exceedance observed at VM11 was



			Exceedances observed at VM11 were not
1/9/2024 08:30, 09:55, & 10:30	0.6026	N/A	construction related, it is confirmed that no
			work was being performed in the area.
1/9/2024 16:20, 17:10, 17:35,			
18:15, 19:00, 20:15, 20:25, 20:45,	1.3806	N/A	Exceedances observed at VM11 were
20:50, 20:55, 21:15, 22:20, 23:05,			recorded during non-construction hours.
23:10, 23:20, & 23:25			Exceedances observed at VM11 were
1/10/2024 00:45 & 04:20	1.6468	N/A	recorded during non-construction hours.
			Exceedances observed at VM11 were not
1/10/2024 07:41, 08:11, & 08:46	0.6073	N/A	construction related, it is confirmed that no
	0.0075	14/11	work was being performed in the area.
			Exceedance observed at VM11 was
1/10/2024 17:05	0.5347	N/A	recorded during non-construction hours.
			Exceedances observed at VM11 were not
1/11/2024 08:15 & 09:55	0.5142	N/A	construction related, it is confirmed that no
			work was being performed in the area.
1/11/2024 16:20 8 22:00	0.9102	NT/A	Exceedances observed at VM11 were
1/11/2024 16:20 & 23:00	0.8102	N/A	recorded during non-construction hours.
			Exceedance observed at VM11 was not
1/12/2024 08:30	0.5142	N/A	construction related, it is confirmed that no
			work was being performed in the area.
1/12/2024 15:10 & 16:35	0.602	N/A	Exceedances observed at VM11 were
1/12/2024 15:10 & 10:55	0.002		recorded during non-construction hours.
1/14/2024 23:05 & 23:25	0.5738	N/A	Exceedances observed at VM11 were
1/14/2024 25:05 & 25:25	0.5750	14/11	recorded during non-construction hours.
1/16/2024 03:30	0.5852	N/A	Exceedance observed at VM11 was
1,10,202103.50	0.3032	10/11	recorded during non-construction hours.
1/16/2024			Exceedances observed at VM11 were not
07:25, 08:20, 09:45, & 10:40	0.6125	N/A	construction related, it is confirmed that no
			work was being performed in the area.
1/16/2024 13:25, 13:35, 14:25,	0.6665	N/A	Exceedances observed at VM11 were
15:45, 15:55, 18:10, & 21:10 1/17/2024			recorded during non-construction hours.
05:35, 13:30, 14:25, 16:15, 16:25,	0.7267	N/A	Exceedances observed at VM11 were
16:35, 19:00, 20:30, & 20:55	0.7367	N/A	recorded during non-construction hours.
			Exceedance observed at VM11 was
1/18/2024 00:25	0.5052	N/A	recorded during non-construction hours.
			Exceedances observed at VM11 were not
1/18/2024 10:40 & 11:20	0.526	N/A	construction related, it is confirmed that no
			work was being performed in the area.
1/18/2024	0.5002		Exceedances observed at VM11 were
16:05, 16:25, 16:30, & 19:00	0.5983	N/A	recorded during non-construction hours.
1/19/2024 05:15	0.5865	N/A	Exceedance observed at VM11 was
1/19/2024 03:13	0.3803	IN/A	recorded during non-construction hours.
1/19/2024 06:35, 06:55, 07:40,			Exceedances observed at VM11 were not
08:20, & 09:20	0.9604	N/A	construction related, it is confirmed that no
· · · · · · · · · · · · · · · · · · ·			work was being performed in the area.
1/19/2024 14:45, 15:50, 15:55,	0.7783	N/A	Exceedances observed at VM11 were
18:35, 19:05, & 22:05	0.7765		recorded during non-construction hours.
1/20/2024			Exceedances observed at VM11 were
02:55, 05:15, 06:50, 07:20, 07:35,	0.6641	N/A	recorded during non-construction hours.
09:15, 10:10, 12:55, & 19:25			-
1/22/2024 01:25 & 05:45	0.5815	N/A	Exceedances observed at VM11 were
			recorded during non-construction hours.
1/22/2024 07 55 07 00 0 00 20	0.6522	NT/	Exceedances observed at VM11 were not
1/22/2024 06:55, 07:00, & 08:30	0.6523	N/A	construction related, it is confirmed that no
			work was being performed in the area.
1/22/2024 10:20 11:40 % 12:55	0.5657	N/A	Exceedances observed at VM11 were not
1/22/2024 10:30, 11:40, & 12:55	0.5657	N/A	construction related, it is confirmed that no work was being performed in the area.
1/22/2024	0.00	NT / 4	
1/22/2024	0.602	N/A	Exceedances observed at VM11 were



14:05, 14:25, 15:00, & 18:10			recorded during non-construction hours.
1/23/2024 00:35	0.6014	N/A	Exceedance observed at VM11 was recorded during non-construction hours.
1/23/2024 06:10, 08:45, 09:35, & 11:10	0.5437	N/A	Exceedances observed at VM11 were not construction related, it is confirmed that no work was being performed in the area.
1/23/2024 12:30 to 1/26/2024 06:45	9.1739	0.4788	Exceedances observed at VM11 were due to the sensor fails sensor check and malfunction. The sensor was replaced post events.
1/10/2024 00:40	0.6212	N/A	Exceedance observed at VM12 was recorded during non-construction hours.
1/11/2024 22:56	0.5406	N/A	Exceedance observed at VM12 was recorded during non-construction hours.
1/19/2024 03:41	0.5074	N/A	Exceedance observed at VM12 was recorded during non-construction hours.
1/19/2024 06:50 & 07:38	0.5638	N/A	Exceedances observed at VM12 were not construction related, it is confirmed that no work was being performed in the area.
1/22/2024 16:12	0.5281	N/A	Exceedance observed at VM12 was recorded during non-construction hours.
1/24/2024 15:42	0.5027	N/A	Exceedance observed at VM12 was recorded during non-construction hours.
1/28/2024 00:21	0.5198	N/A	Exceedance observed at VM12 was recorded during non-construction hours.

Narrative Summary of Vibration Monitoring, Excursions and Corrective Actions:

In January 2024, two vibration monitors had recorded exceedances.

There were exceedances recorded during non-construction hours at VM11 and VM12. No corrective actions were required at this time.

Exceedances recorded at VM11 between January 23rd 12:30 pm and January 26th 6:45 am were due to the sensor failing sensor check and malfunction. The sensor was replaced on post events.

The rest of the exceedances recorded at VM11 and VM12 were non-construction related. The event times when the exceedances were recorded were reviewed by the contractor, it is confirmed that no work was being performed in the area during these event periods. No corrective action was required at these times.

Note that blast monitors (BVM), situated on the sidewalk adjacent to the site and in the tunnel, fall outside the community plan's scope, which specifically addresses monitors in or on buildings. Additionally, the community plan (VM) measures PPV above background, while the blast plan (BVM) solely measures PPV.



AECOM-Hill JV 3/26/2024

4) Community Vibrati Units: inches per second (i	ion Blasting Monitoring	Monthly Summary	
Number of Workdays in a Month	Number of Vibration Monitoring Days in a Month	Number of Days with Vibration Levels above Action Levels by Month	Comments
22	31	1	Five vibration exceedances were observed in January, caused by sensor being out of level. Detailed information about the exceedance is provided in the narrative summary section and plots.
Action Level = 4.0 in/sec	for VMs install at Concord for VMs install at 142nd St c for VMs install on all under		thern Blvd.
			Corrective Action
	(in/sec)	(in/sec)	
1/16/2024 10:46, 10:47:08, 10:47:18, 11:01, & 11:15	8.0978	0.0397	The exceedances recorded at BVM-C were due to the geophone sensor being out of level as the soil underneath the geophone sensor was washed out and became loose. The soil was compacted and the geophone sensor was reseated post events on January 17 th . The geophone sensor went out of level again on January 22 nd . The geophone sensor was reseated and performed monitoring for the 2 nd blast on January 22 nd . The seismograph and the geophone sensor were replaced after blasting was competed on January 22 nd .

Narrative Summary of Vibration Monitoring, Excursions and Corrective Actions:

There are two sets of project limits for vibration, one for general onsite construction activities and another specifically for blasting activities.

The exceedances recorded at BVM-C on January 16th were due to geophone sensor being out of level as the soil underneath the geophone sensor was washed out and became loose. The soil was compacted and the geophone sensor was reseated post events on January 17th. The geophone sensor went out of level again on January 22nd. The geophone sensor was reseated and performed monitoring for the 2nd blast on January 22nd. The seismograph and the geophone sensor were replaced after the blasting was completed on January 22nd.

Four portable vibration monitors for blasting monitoring were deployed at the following locations: BVM-A was installed at location no. 10, BVM-B at location no. 3, BVM-C at location no. 7, and BVM-D at location no. 5 on January 9th, January 11th, January 16th, January 18th, January 22nd, January 24th, and January 25th.

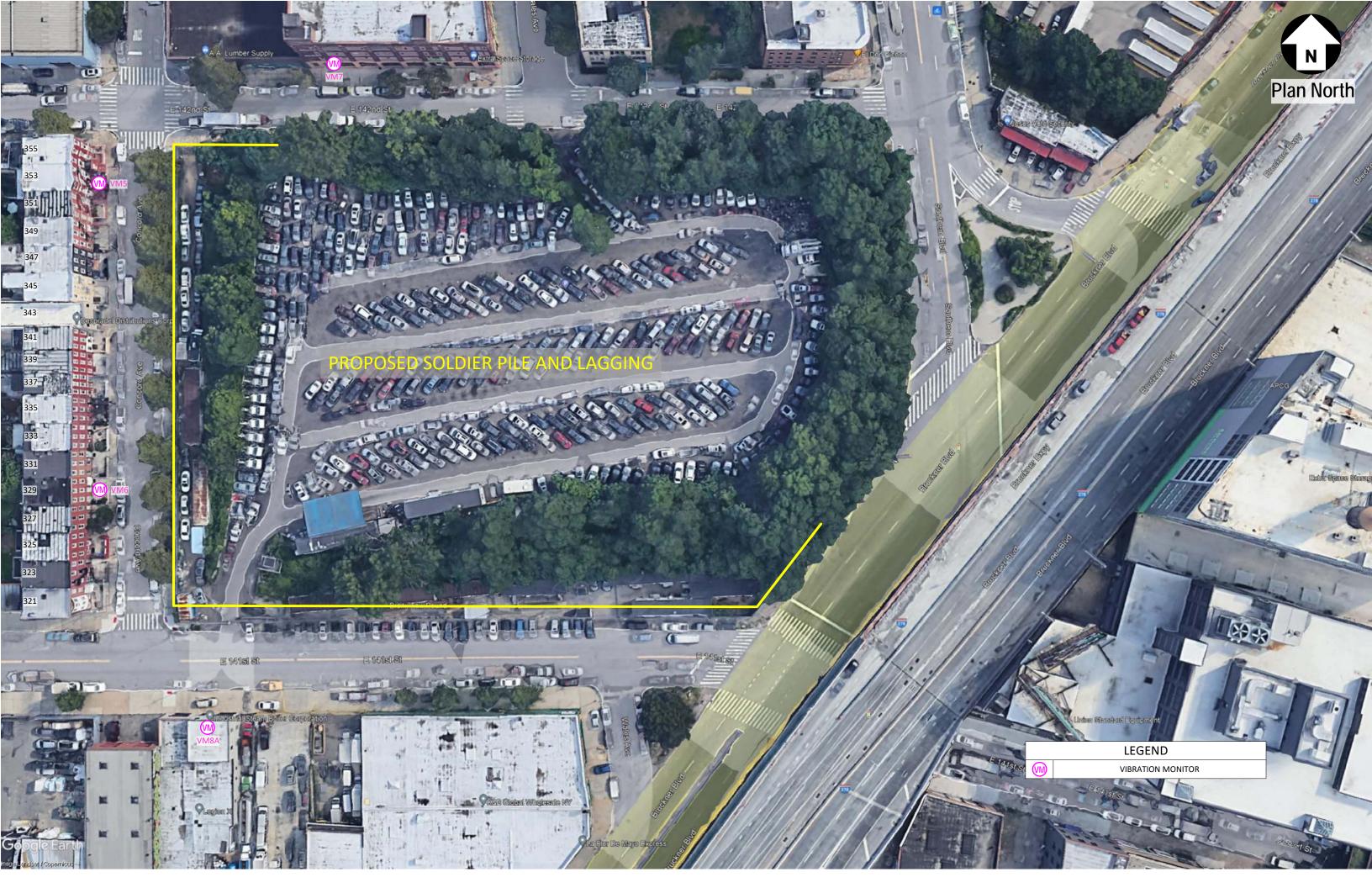
Note that blast monitors (BVM), situated on the sidewalk adjacent to the site and in the tunnel, fall outside the community plan's scope, which specifically addresses monitors in or on buildings. Additionally, the community plan (VM) measures PPV above background, while the blast plan (BVM) solely measures PPV.

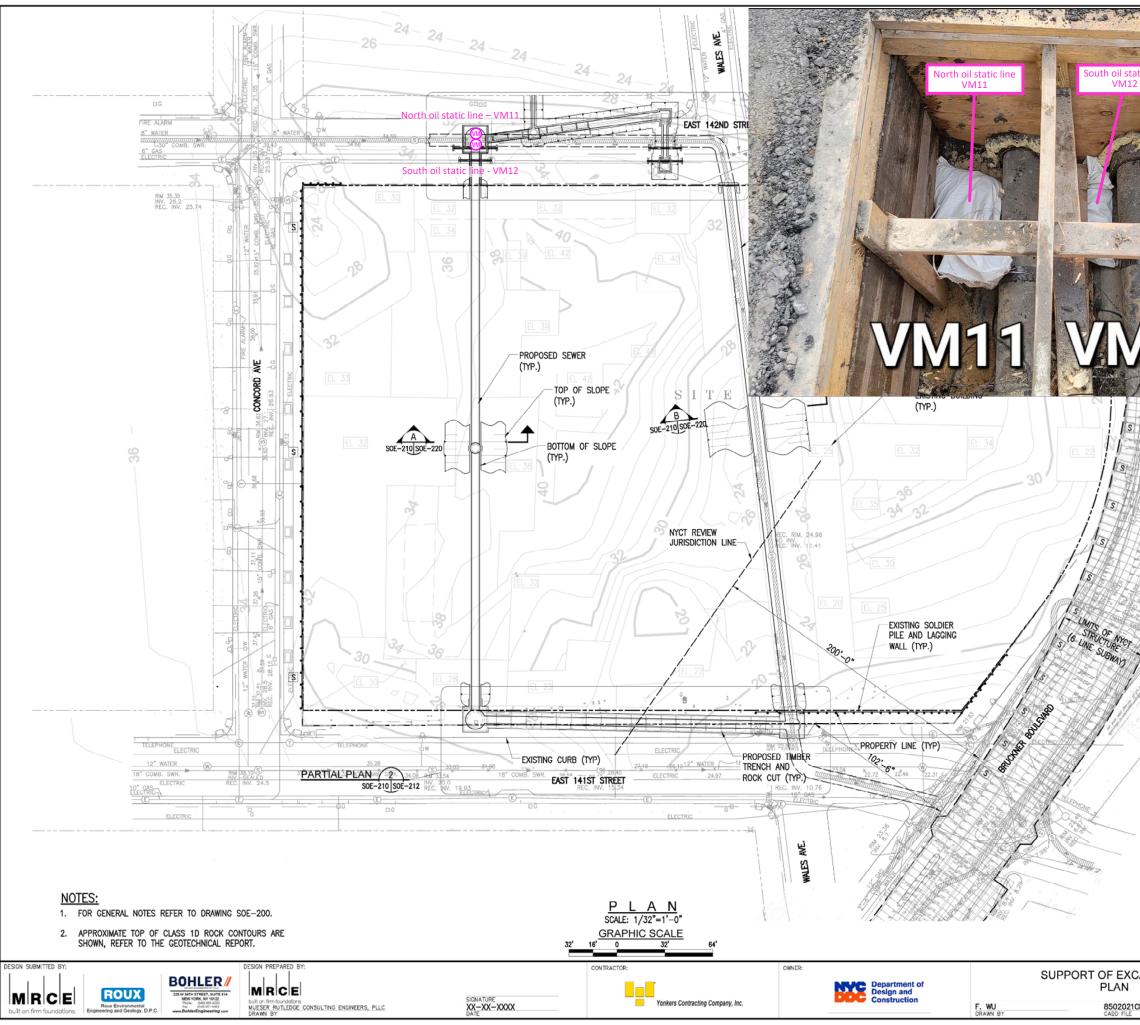




ATTACHMENTS:

- 1 Include one map of monitoring station/locations
- 2 Include Data Plots
- 3 Include Baseline Reference





	REVISIONS
	NYC BOROUGH-BASED JAILS PROGRAM
CR0001P3-S0E-210.00.DWG	THE BRONX SITE PREPARATION BRONX BOROUGH
10001F0-30E-210.00.DWG	CAPITAL PROJECT NO. 8502021CR000 1P-3 5 OF 10 S0E-210

Blasting - Vibration Monitor Locations

E 142nd St

Plan North

10-18

353

343

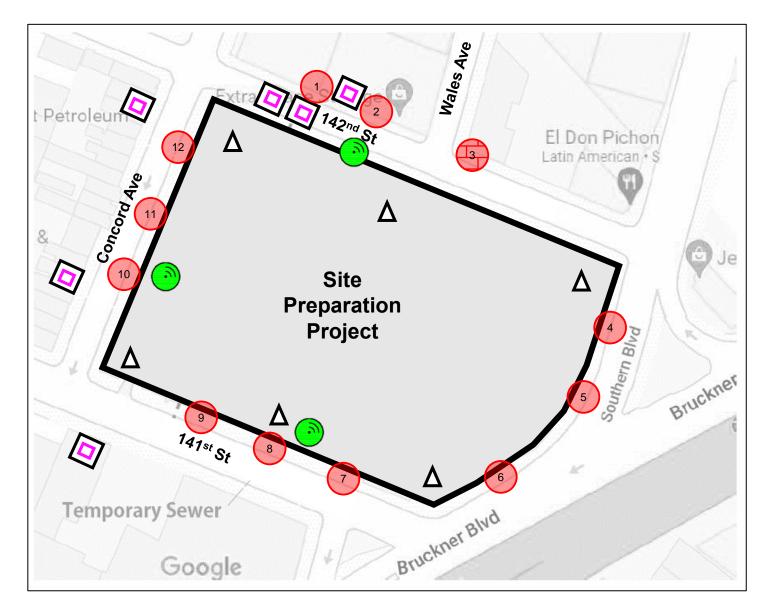
333

-

st St

Attachments

Environmental Monitoring The Bronx



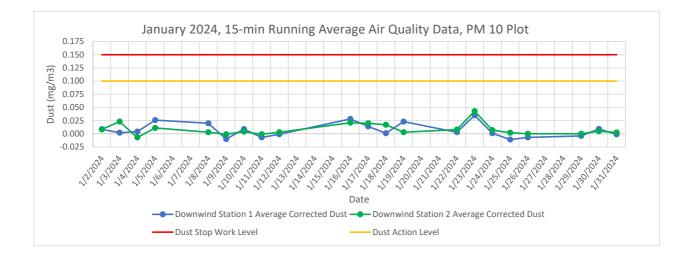


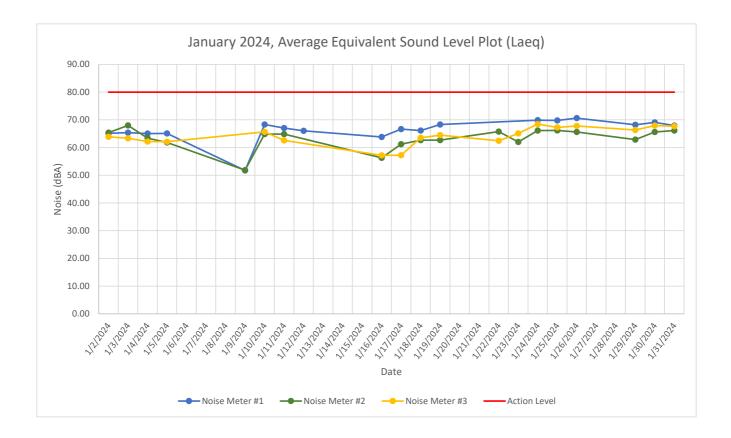
Vibration Monitor (VM)

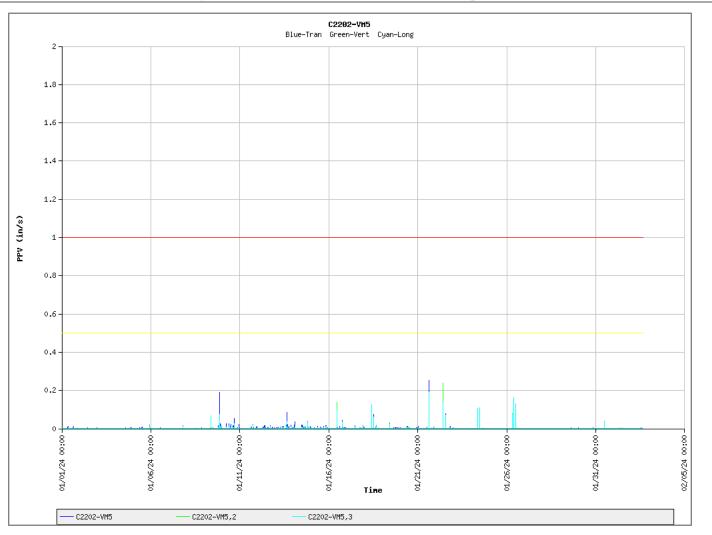
Air Monitoring Station (DM)



Blasting - Vibration Monitor (BVM)



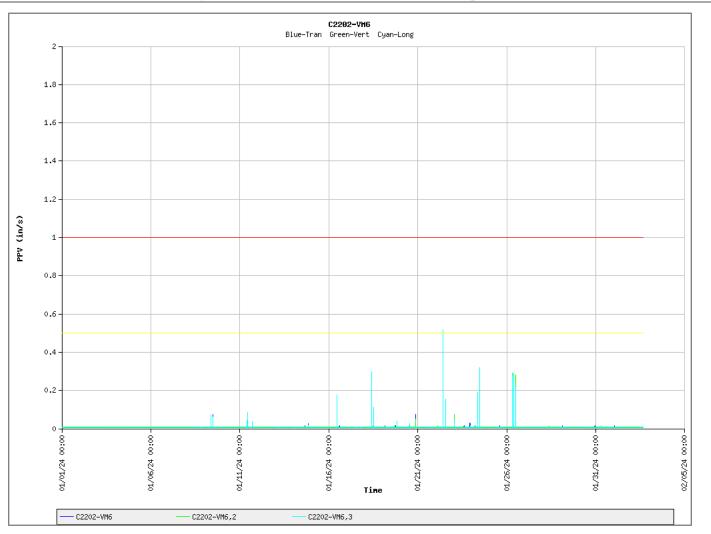




Exceedance level: 1 in/sec Warning level: 0.5 in/sec

C2202-VM5 Transverse C2202-VM5,2 Vertical C2202-VM5,3 Longitudinal

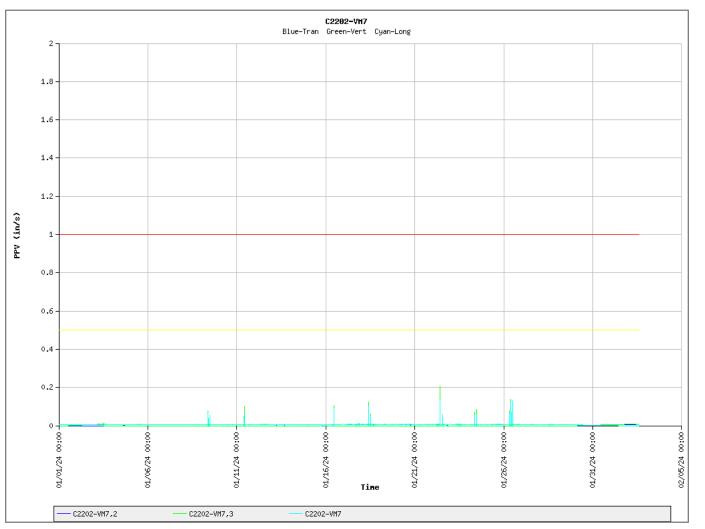




Exceedance level: 1 in/sec Warning level: 0.5 in/sec

C2202-VM6 Transverse C2202-VM6,2 Vertical C2202-VM6,3 Longitudinal

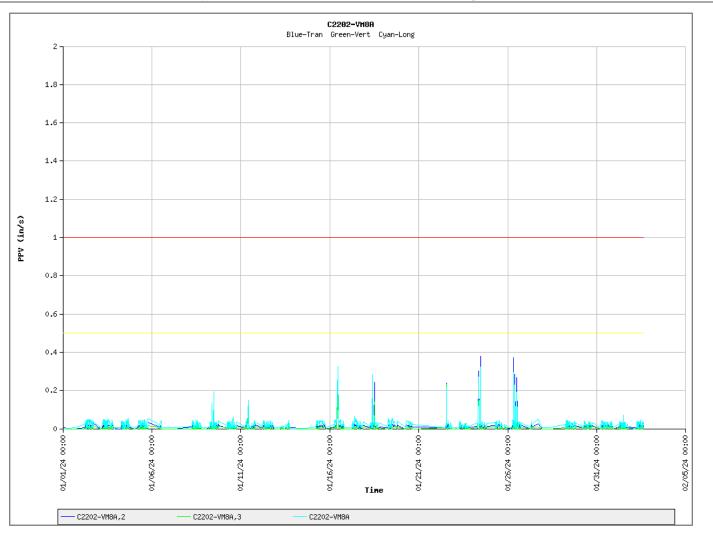




Exceedance level: 1 in/sec Warning level: 0.5 in/sec

C2202-VM7 Longitudinal C2202-VM7,2 Transverse C2202-VM7,3 Vertical



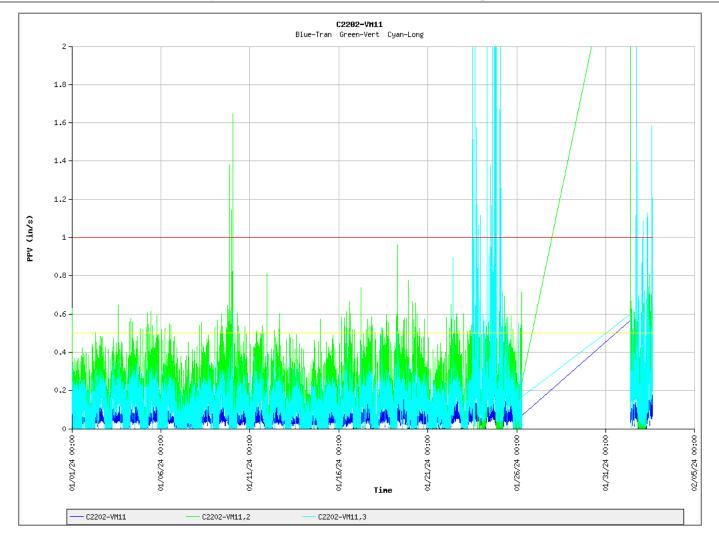


Exceedance level: 1 in/sec Warning level: 0.5 in/sec

C2202-VM8A Longitudinal C2202-VM8A,2 Transverse C2202-VM8A,3 Vertical

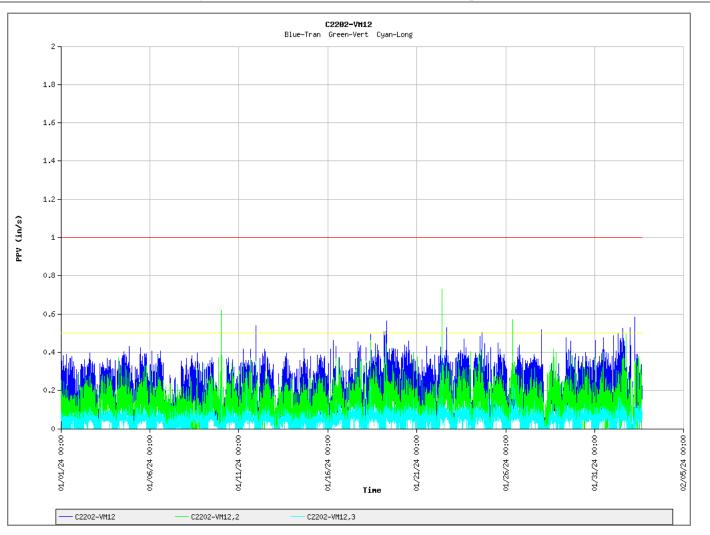






Exceedance level: 1 in/sec Warning level: 0.5 in/sec

C2202-VM11 Transverse C2202-VM11,2 Vertical C2202-VM11,3 Longitudinal

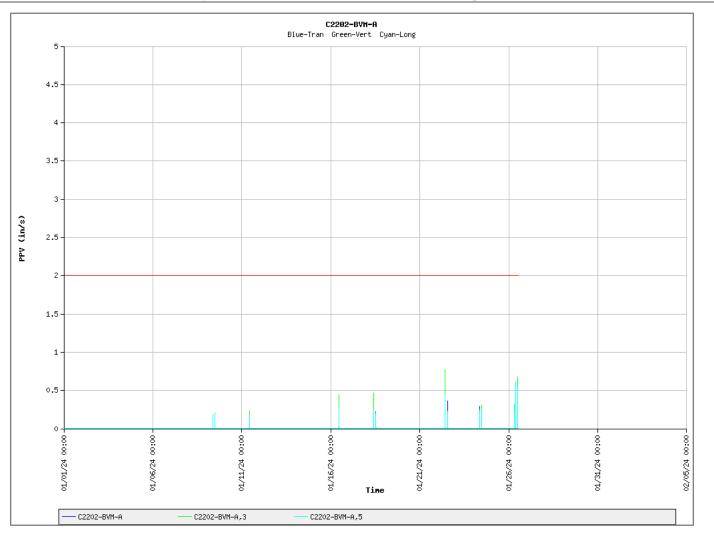


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Exceedance level: 1 in/sec Warning level: 0.5 in/sec

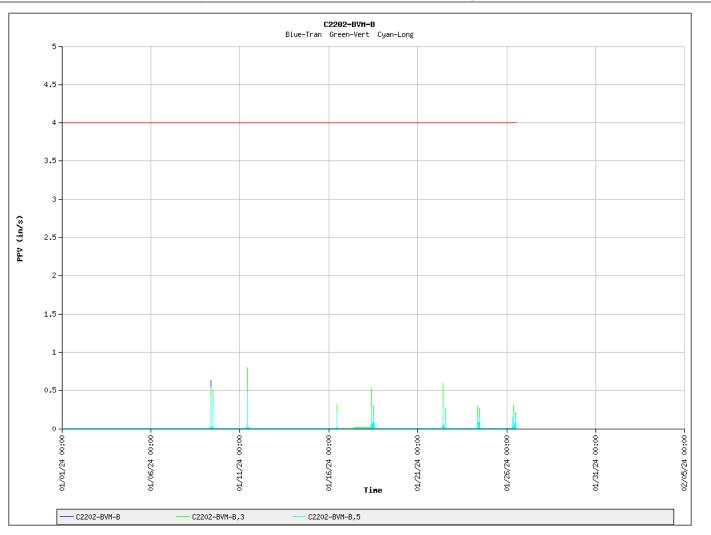
C2202-VM12 Transverse C2202-VM12,2 Vertical C2202-VM12,3 Longitudinal



Exceedance level: 2 in/sec 1/1/2024-1/31/2024 at location# 10

C2202-BVM-A Transverse C2202-BVM-A,3 Vertical C2202-BVM-A,5 Longitudinal

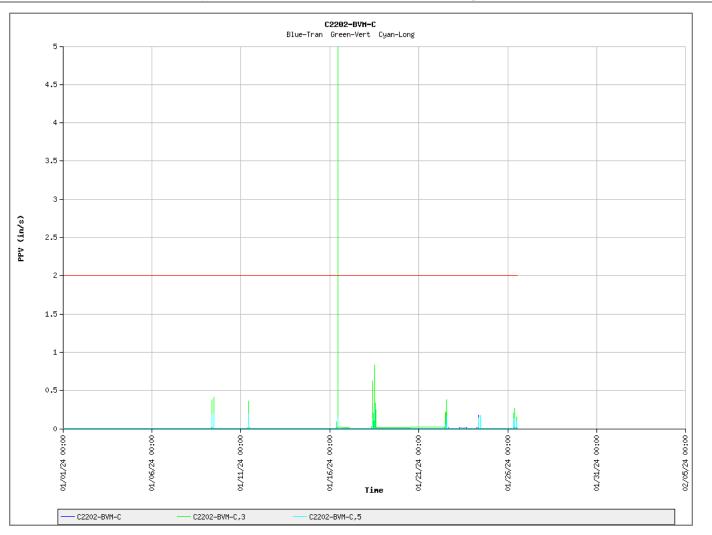




Exceedance level: 4 in/sec 1/1/2024-1/31/2024 at location# 3

C2202-BVM-B Transverse C2202-BVM-B,3 Vertical C2202-BVM-B,5 Longitudinal

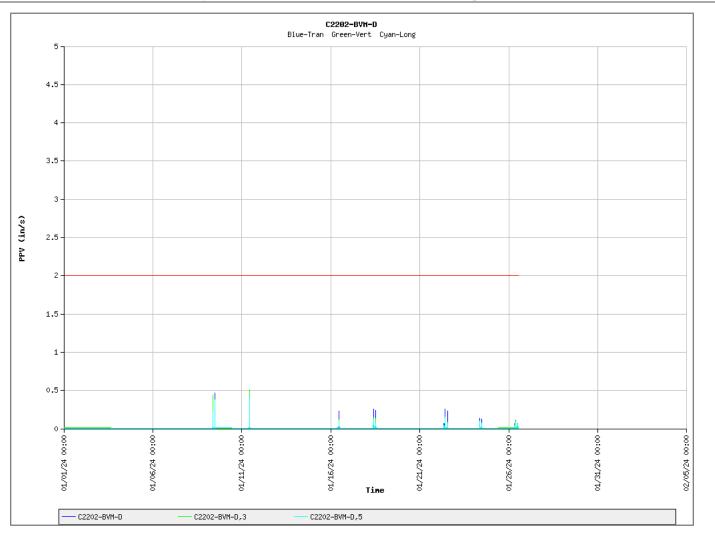




Exceedance level: 2 in/sec 1/1/2024-1/31/2024 at location# 7

C2202-BVM-C Transverse C2202-BVM-C,3 Vertical C2202-BVM-C,5 Longitudinal

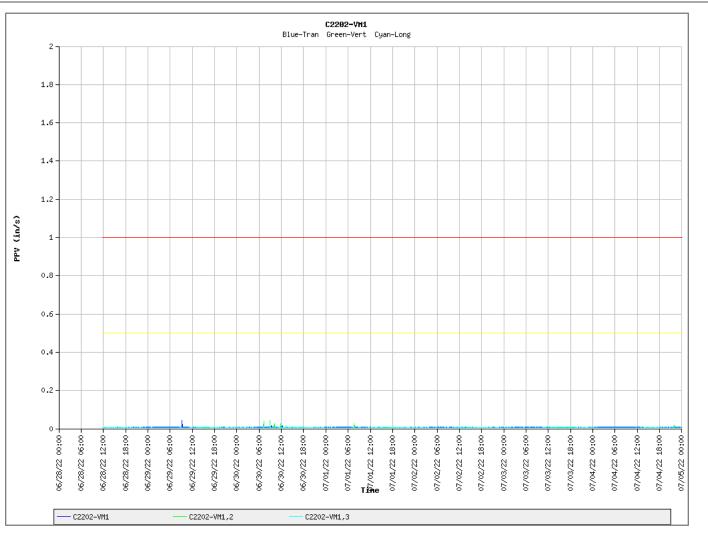




Exceedance level: 2 in/sec 1/1/2024-1/31/2024 at location# 5

C2202-BVM-D Transverse C2202-BVM-D,3 Vertical C2202-BVM-D,5 Longitudinal

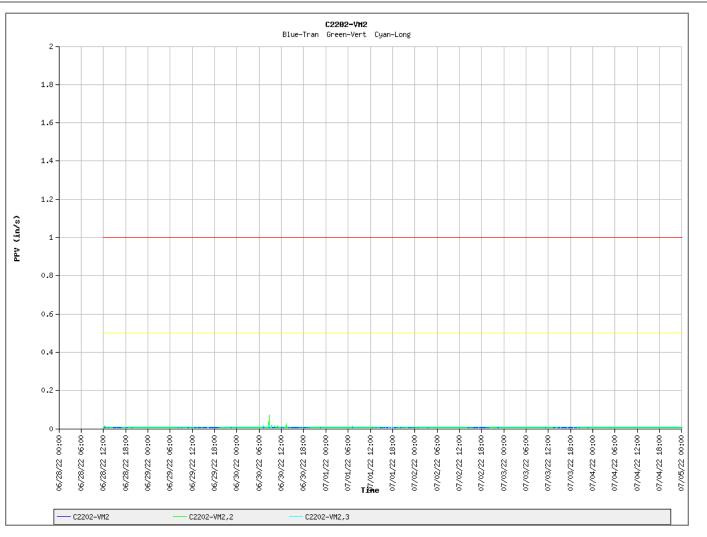




Exceedance level: 1 in/sec Warning level: 0.5 in/sec

C2202-VM1 Transverse C2202-VM1,2 Vertical C2202-VM1,3 Longitudinal

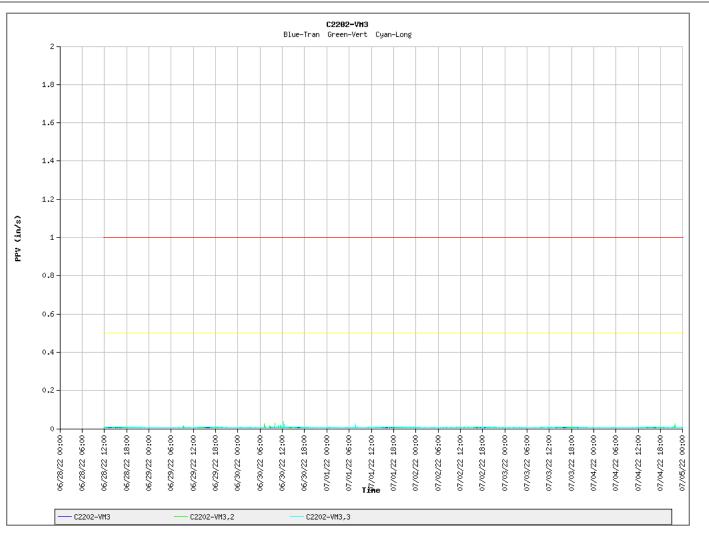




Exceedance level: 1 in/sec Warning level: 0.5 in/sec

C2202-VM2 Transverse C2202-VM2,2 Vertical C2202-VM2,3 Longitudinal

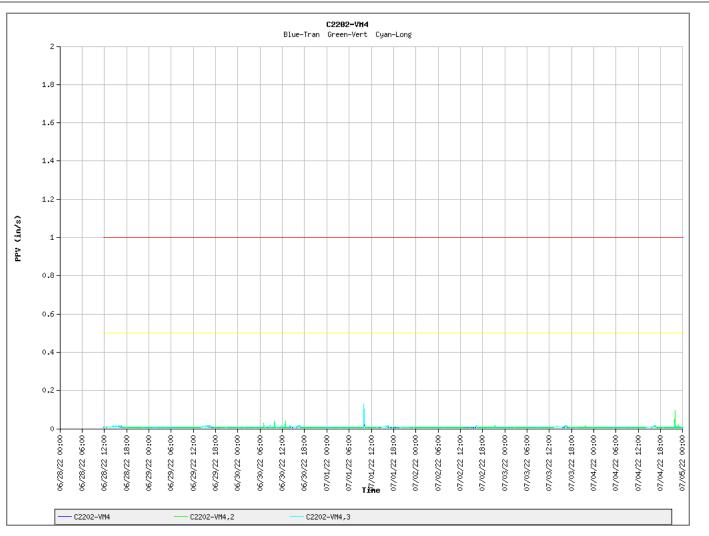




Exceedance level: 1 in/sec Warning level: 0.5 in/sec

C2202-VM3 Transverse C2202-VM3,2 Vertical C2202-VM3,3 Longitudinal

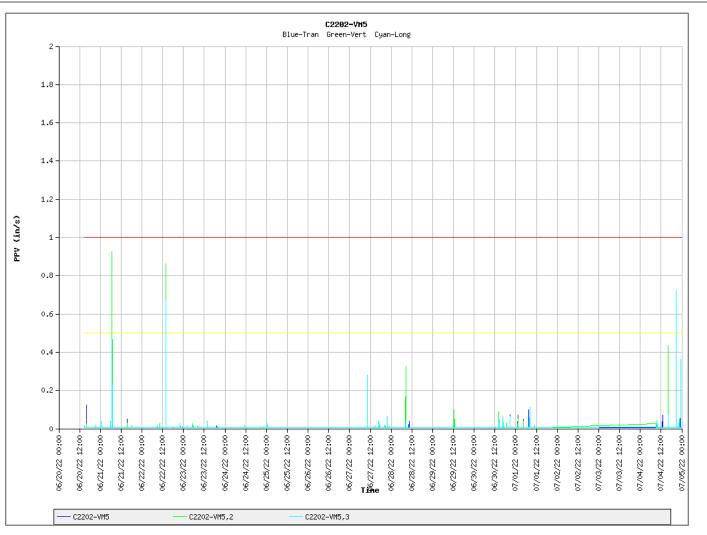




Exceedance level: 1 in/sec Warning level: 0.5 in/sec

C2202-VM4 Transverse C2202-VM4,2 Vertical C2202-VM4,3 Longitudinal

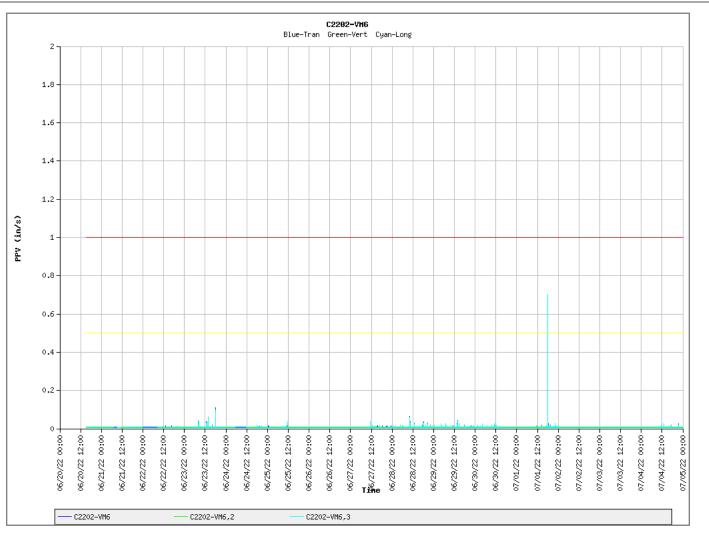




Exceedance level: 1 in/sec Warning level: 0.5 in/sec

C2202-VM5 Transverse C2202-VM5,2 Vertical C2202-VM5,3 Longitudinal

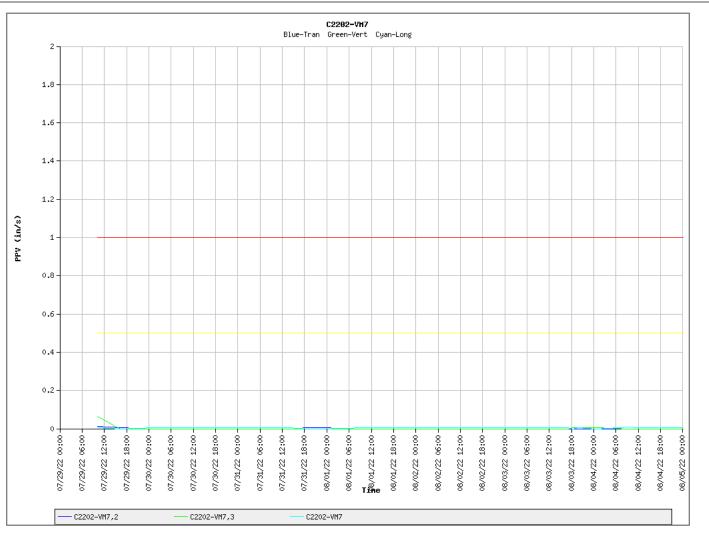




Exceedance level: 1 in/sec Warning level: 0.5 in/sec

C2202-VM6 Transverse C2202-VM6,2 Vertical C2202-VM6,3 Longitudinal

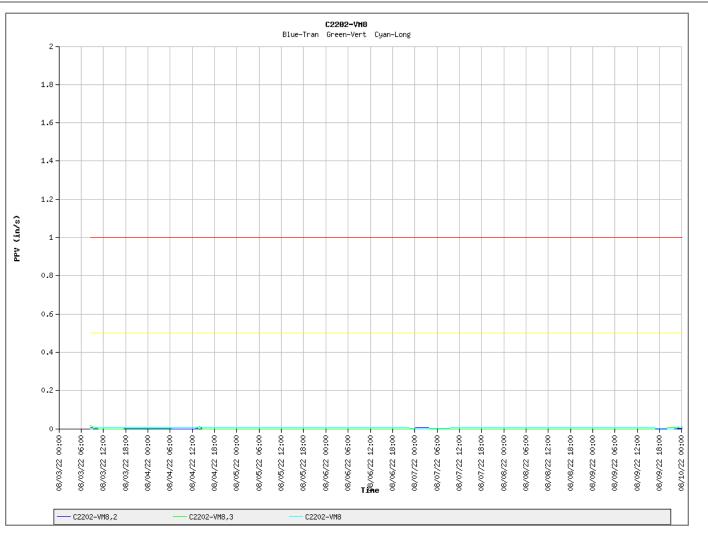




Exceedance level: 1 in/sec Warning level: 0.5 in/sec

C2202-VM7 Longitudinal C2202-VM7,2 Transverse C2202-VM7,3 Vertical

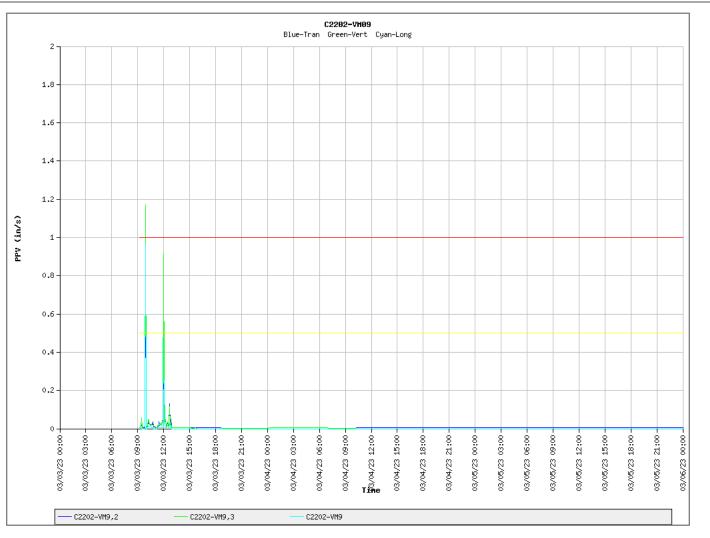




Exceedance level: 1 in/sec Warning level: 0.5 in/sec

C2202-VM8 Longitudinal C2202-VM8,2 Transverse C2202-VM8,3 Vertical

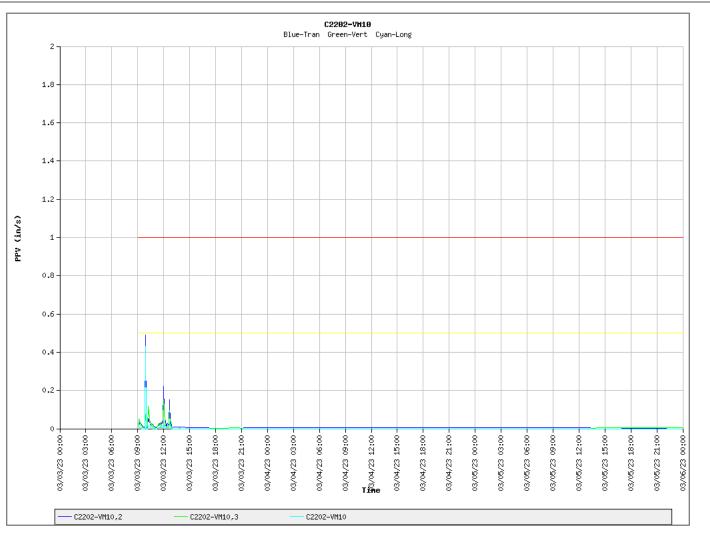




Exceedance level: 1 in/sec Warning level: 0.5 in/sec

C2202-VM9 Longitudinal C2202-VM9,2 Transverse C2202-VM9,3 Vertical

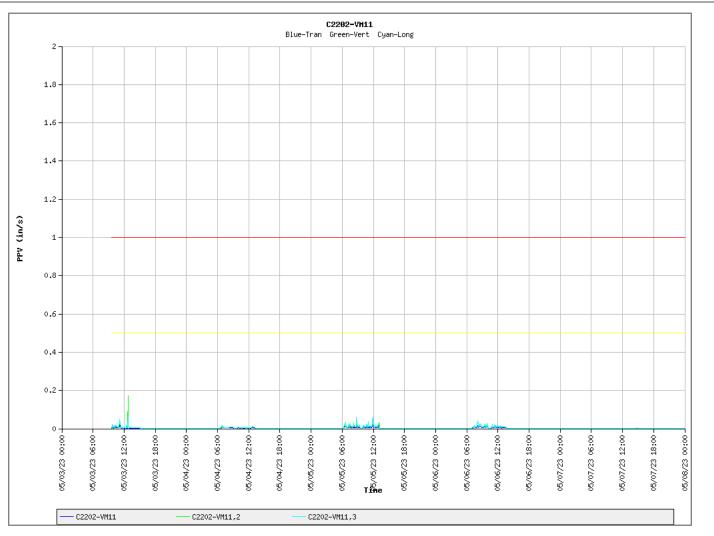




Exceedance level: 1 in/sec Warning level: 0.5 in/sec

C2202-VM10 Longitudinal C2202-VM10,2 Transverse C2202-VM10,3 Vertical

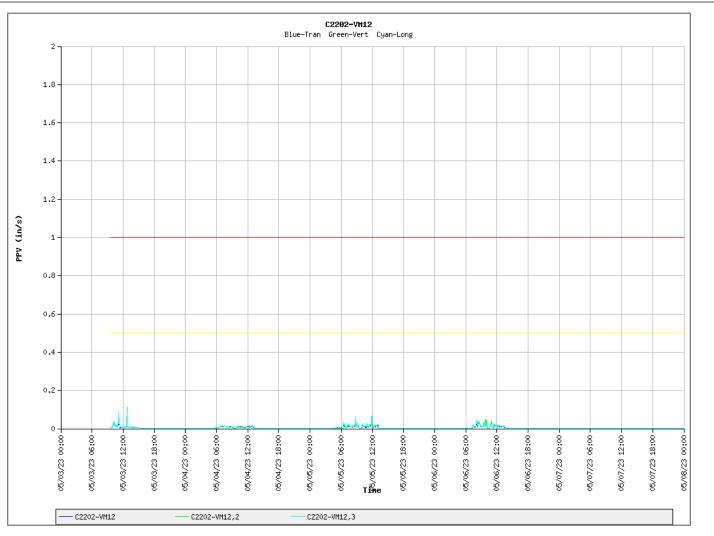




Exceedance level: 1 in/sec Warning level: 0.5 in/sec

C2202-VM11 Transverse C2202-VM11,2 Vertical C2202-VM11,3 Longitudinal





Exceedance level: 1 in/sec Warning level: 0.5 in/sec

C2202-VM12 Transverse C2202-VM12,2 Vertical C2202-VM12,3 Longitudinal

