



Environmental  
Intelligence, LLC

December 4, 2019

Robert Welch  
Project Manager  
City of Beverly Hills  
345 Foothill Road  
Beverly Hills, CA 90210

Joseph DeMello  
Director, Construction Manager  
Westside Purple Line Extension Section 1  
Los Angeles County Metropolitan Transportation Authority  
One Gateway Plaza, 17<sup>th</sup> Floor  
Los Angeles, CA 90012

**Subject:** Segment 1 - Purple Line Extension Project ICM Weekly Report  
**November 24, 2019 – November 30, 2019**

Dear Mr. Welch and Mr. DeMello,

Environmental Intelligence, LLC (EI) has been retained by the City of Beverly Hills (COBH) and the Los Angeles County Metropolitan Transportation Authority (Metro) to serve as the independent compliance monitor (ICM) during construction of the Purple Line Extension Project. Monitoring is required to ensure construction is in compliance with (1) the Memorandum of Agreement (MOA) for Advance Utilities Relocation Phase of the Purple Line Extension Project – Segment 1 – Between the City of Beverly Hills and the Los Angeles Metropolitan Transportation Authority (City Agreement No. 452-14), and (2) the MOA for Contract C1045 of the Purple Line Extension Project – Segment 1 – Between the City of Beverly Hills and the Los Angeles County Metropolitan Transportation Authority (City Agreement No. 66-16). The following information summarizes the ICM monitoring activities that occurred at the Segment 1 site (La Cienega Station site) during the week of **November 24, 2019 – November 30, 2019**. No construction activities occurred on November 24, 2019 or November 28 – November 30, 2019.

Construction activities during the week included setting up traffic control plan; setting up deck panel access along Wilshire Blvd.; hoisting rebar and conduit down Gale yard shaft; delivery of materials to the Gale yard; pumping water from the N. Gale shaft; installation of waterproof membrane and hauling equipment and materials in and out of the shaft. EI ICMs were present on site during all construction activities and conducted routine noise measurements at selected noise monitoring locations as well as compliance checks in accordance with the MOAs and associated attachments, exhibits, traffic closure notifications, and traffic management plans. At the conclusion of each work shift, daily monitoring reports were prepared by the ICM. Any violations for that date were also prepared by the ICM then reviewed and submitted to the COBH and Metro by EI's Project Manager.

## **VIOLATION SUMMARY**

During the week, EI ICMs identified no violations during construction activities. Daily monitoring reports and photographs of construction activities are provided as Attachment A (*Daily Monitoring Reports*). Daily noise monitoring data are provided in Attachment B (*Noise Monitoring Data Log*).

Robert Welch  
Joseph DeMello  
October 23, 2019

## CONCLUSION

To date, 237 violations have been issued, 19 of which have been rescinded since the beginning of construction on the C1045 Contract for the Purple Line Extension Project – Segment 1. Project construction activities are ongoing and EI ICMs continue to monitor all construction activities applicable to the MOAs on a daily basis.

If you have any questions or comments regarding this letter, please contact me directly at 310.469.8989 or [jeremiahgeorge@enviro-intel.com](mailto:jeremiahgeorge@enviro-intel.com).

Sincerely,

**ENVIRONMENTAL INTELLIGENCE, LLC**



Jeremiah George  
Project Manager

**Attachments:** Attachment A: Violations  
Attachment B: Daily Monitoring Reports  
Attachment C: Noise Monitoring Data Log

**cc:** Valerie Mudegoren, City of Beverly Hills  
Nell Mardirosian, Los Angeles County Metropolitan Transportation Authority  
Michelle Marquez-Riley, Los Angeles County Metropolitan Transportation Authority  
Candace Lee, Los Angeles County Metropolitan Transportation Authority  
Brett Barnett, Psomas  
Bill Zein, Psomas  
Alex Kay, City of Beverly Hills



**Attachment B**  
**Daily Monitoring Reports**  
 11/24/2019 – 11/30/2019



**Summaries (5)**

**Date** Monday, November 25, 2019  
**Monitor** Jorge Guzman  
**Location** La Cienega Station  
**Time** 03:00:00 to 12:00:00  
**Compliant** Yes  
**Summary** Contractors/ Subcontractors: STS; Century Sweeping; Bragg; Pacific Steel Group;  
 Representatives On-Site: Howard Jordan (STS); Alex Morales (STS); Armando Perez (STS); Marvin Mai (Psomas); George Hernandez (Psomas); Tarek Hamdi (Metro); German Garcia (Metro); Richard Garcia (Metro)  
 Work Location(s): Gale Yard; N. Gale Dr. closure; below deck along Wilshire Blvd.; Wilshire Blvd between La Cienega Blvd and San Vicente Blvd.;  
 The ICM was in possession of applicable COBH-approved closure notifications and TCP for the day's work from 03:00 hours to 12:00 hours on November 25, 2019. EI ICM Jorge Guzman met with Metro Inspector Tarek Hamdi to discuss the day's activities. At the beginning of the shift, the ICM calibrated the sound meter to 94.00 dB.  
 Work for the day included setting up traffic control plan; setting up deck panel access along Wilshire Blvd.; hoisting rebar and conduit down Gale yard shaft; and delivery of materials to the Gale yard.

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**Date** Monday, November 25, 2019  
**Monitor** Annamarie Hand  
**Location** La Cienega Station  
**Time** 11:45:00 to 21:15:00  
**Compliant** Yes  
**Summary** Contractors/ Subcontractors: STS; ECA  
 Representatives On-Site: Alex Morales (STS); Bill Dimalanta (STS); Richard Garcia (Metro); Andrew Baldwin (Metro); Tom Johnson (Metro)  
 Work Location(s): Gale Yard; N. Gale Dr. closure; below deck along Wilshire Blvd.  
 The ICM was in possession of applicable COBH-approved closure notifications and TCP for the day's work from 11:45 hours to 21:15 hours on November 25th, 2019. EI ICM Annamarie Hand met with STS Foreman Alex Morales to discuss the shift's activities. At the beginning of the shift, ICM Annamarie Hand calibrated the sound meter to 94.00 dB.  
 Work for the shift included deliveries of materials and machinery, pumping water from the N. Gale shaft, installation of waterproof membrane, and hauling equipment and materials in and out of the shaft.  
 Winds >10mph





**Attachment B**  
**Daily Monitoring Reports**  
 11/24/2019 – 11/30/2019



**Date** Monday, November 25, 2019

**Monitor** Daniel Chang

**Location** La Cienega Station

**Time** 20:30:00 to 01:15:00

**Compliant** Yes

**Summary** Contractors/ Subcontractors: STS

Representatives On-Site: Bill Dimalanta (STS); Richard Garcia (Metro).

Work Location(s): Gale Yard; below deck along Wilshire Blvd.

The ICM was in possession of applicable COBH-approved closure notifications and TCP for the day's work from 20:30 hours to 1:15 hours on November 25th, 2019. EI ICM Daniel Chang met with STS Foreman Bill Dimalanta to discuss the shift's activities. At the beginning of the shift, ICM Daniel Chang calibrated the sound meter to 94.00 dB.

Work for the swing included pumping water from the N. Gale shaft, installation of waterproof membrane, and hauling equipment and materials in and out of the shaft.

**Date** Tuesday, November 26, 2019

**Monitor** Jorge Guzman

**Location** La Cienega Station

**Time** 05:30:00 to 15:00:00

**Compliant** Yes

**Summary** Contractors/ Subcontractors: STS; Century Sweeping; Pacific Steel Group;

Representatives On-Site: Howard Jordan (STS); Alex Morales (STS); Armando Perez (STS); Marvin Mai (Psomas); Tarek Hamdi (Metro); German Garcia (Metro); Richard Garcia (Metro)

Work Location(s): Gale Yard; N. Gale Dr. closure; below deck along Wilshire Blvd.;

The ICM was in possession of applicable COBH-approved closure notifications and TCP for the day's work from 05:30 hours to 15:00 hours on November 26, 2019. EI ICM Jorge Guzman met with Metro Inspector Tarek Hamdi to discuss the day's activities. At the beginning of the shift, the ICM calibrated the sound meter to 94.00 dB.

Work for the day included setting up traffic control plan; hoisting rebar, conduit, and membrane rolls down Gale yard shaft; and delivery of materials to the Gale yard.

**Date** Tuesday, November 26, 2019

**Monitor** Annamarie Hand

**Location** La Cienega Station

**Time** 14:45:00 to 23:00:00

**Compliant** Yes

**Summary** Contractors/ Subcontractors: STS; ECA

Representatives On-Site: Bill Dimalanta (STS); Richard Garcia (Metro); Andrew Baldwin (Metro); Tom Johnson (Metro)

Work Location(s): Gale Yard; N. Gale Dr. closure; below deck along Wilshire Blvd.

The ICM was in possession of applicable COBH-approved closure notifications and TCP for the day's work from 14:45 hours to 23:00 hours on November 26th, 2019. EI ICM Annamarie Hand met with STS Foreman Bill Dimalanta to discuss the shift's activities. At the beginning of the shift, ICM Annamarie Hand calibrated the sound meter to 94.00 dB.

Work for the shift included pumping water from the N. Gale shaft, installation of waterproof membrane, and hauling equipment and materials in and out of the shaft.





# Photos



## Photos (14)

**UID:** 4194 **Latitude:** 34.0654  
**Date:** Nov 25, 2019 **Longitude:** -118.37414  
**Type:** Construction Activity **Elevation:** ---

**Notes**  
 Photo shows STS crane in Gale yard hoisting rebar down Gale yard shaft.



**UID:** 4190 **Latitude:** 34.06494  
**Date:** Nov 25, 2019 **Longitude:** -118.37352  
**Type:** Construction Activity **Elevation:** ---

**Notes**  
 Photo shows STS crew lifting deck panel for deck panel access for hoisting rebar below deck on Wilshire Blvd. east of Gale Dr.



**UID:** 4193 **Latitude:** 34.06529  
**Date:** Nov 25, 2019 **Longitude:** -118.37412  
**Type:** Construction Activity **Elevation:** ---

**Notes**  
 Photo shows delivery of forklift and demobilization of old forklift in Gale Dr. closure.



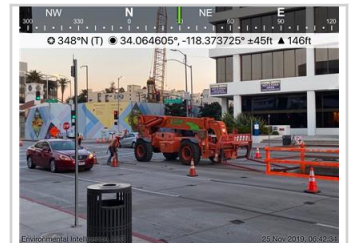
**UID:** 4192 **Latitude:** 34.06487  
**Date:** Nov 25, 2019 **Longitude:** -118.37475  
**Type:** Construction Activity **Elevation:** ---

**Notes**  
 Photo shows STS crew hoisting conduit and lumber down below deck through Gale yard shaft.



**UID:** 4191 **Latitude:** 34.0646  
**Date:** Nov 25, 2019 **Longitude:** -118.37372  
**Type:** Construction Activity **Elevation:** ---

**Notes**  
 Photo shows STS forklift setting up to replace deck panel. Offloading and hoisting occurred inside Gale yard due to obstruction at deck panel access site.





# Photos



**UID:** 4188 **Latitude:** 34.06507  
**Date:** Nov 25, 2019 **Longitude:** -118.374094  
**Type:** Construction Activity **Elevation:** ---

**Notes**

STS is receiving a delivery of a front loader with a basket in the North Gale yard closure in N. Gale Dr.



**UID:** 4189 **Latitude:** 34.065433  
**Date:** Nov 25, 2019 **Longitude:** -118.374241  
**Type:** Construction Activity **Elevation:** ---

**Notes**

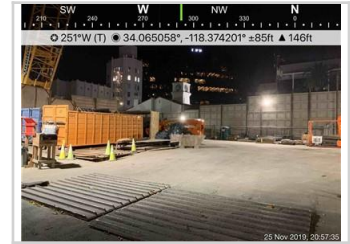
STS crewman is attaching a basket attachment to the front loader in the North Gale yard.



**UID:** 4195 **Latitude:** 34.065058  
**Date:** Nov 25, 2019 **Longitude:** -118.374201  
**Type:** Construction Activity **Elevation:** ---

**Notes**

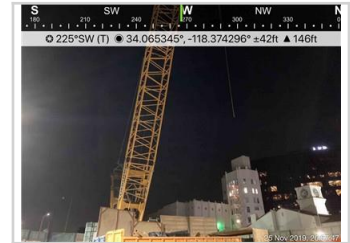
No work occurring in Gale Yard, as work is currently conducted underground.



**UID:** 4196 **Latitude:** 34.065345  
**Date:** Nov 25, 2019 **Longitude:** -118.374296  
**Type:** Construction Activity **Elevation:** ---

**Notes**

Crane on stand by as workers install waterproof lining underground.



**UID:** 4200 **Latitude:** 34.065276  
**Date:** Nov 26, 2019 **Longitude:** -118.374133  
**Type:** Construction Activity **Elevation:** ---

**Notes**

STS crane is hoisting materials into the shaft in the North Gale yard.



**UID:** 4199 **Latitude:** 34.065292  
**Date:** Nov 26, 2019 **Longitude:** -118.374401  
**Type:** Construction Activity **Elevation:** ---

**Notes**

STS crane is hauling the man basket out of the shaft in the North Gale yard.





# Photos



**UID:** 4207 **Latitude:** 34.06543  
**Date:** Nov 26, 2019 **Longitude:** -118.37416  
**Type:** Construction Activity **Elevation:** ---

**Notes**

Photo shows rebar being hoisted off PSG trailer and down Gale yard shaft.



**UID:** 4206 **Latitude:** 34.06518  
**Date:** Nov 26, 2019 **Longitude:** -118.37428  
**Type:** Construction Activity **Elevation:** ---

**Notes**

Photo shows delivery of membrane rolls in Gale yard.



**UID:** 4205 **Latitude:** 34.06529  
**Date:** Nov 26, 2019 **Longitude:** -118.37414  
**Type:** Construction Activity **Elevation:** ---

**Notes**

Photo shows Pacific Steel Group rebar delivery trailer entering Gale yard to be offloaded.





**Attachment B – Construction Noise Monitoring Results**

Receptor ID	Time of Measurement	Measured Noise Level Leq (15-Minute)	Applicable Noise Threshold	Exceeded Threshold?	Notes
<b>November 24, 2019</b>					
SLC-4/L-9	3:37:00	53.3	56.3	No	STS crew setting up deck panel access along Wilshire Blvd. between S. Tower Dr. and Gale Dr. for rebar and pvc pipe delivery.
SLC-4/L-9	4:25:00	56.3	55.6	No	Bragg truck crane setting up along Wilshire Blvd. deck panel access site. Temporary sound walls placed surrounding the front of the truck crane's engine to mitigate for noise. During reading, a high impact backup alarm was used by a medical transport vehicle in the parking lot adjacent to receptor location SLC-4, increasing the ambient noise levels.
SLC-7	4:48:00	58.3	61.6	No	Bragg truck crane and PSG rebar delivery trailer enter Gale yard to offload rebar and hoist down shaft in Gale yard. Truck crane rigging up in Gale yard.
SLC-7	6:15:00	60.3	64	No	Bragg truck crane offloading rebar in Gale yard. STS crane begins operation at 6:20 hours and begins hoisting rebar down Gale yard shaft.
SLC-2	7:15:00	58.3	69	No	STS crane in operation inside Gale yard. STS crew cleaning within Gale closure.
SLC-2	7:15:00	58.3	69	No	STS crane in operation inside Gale yard. STS crew cleaning within Gale closure.
SLC-7	8:00:00	61.7	71.7	No	STS crane in Gale yard hoisting rebar and conduit down Gale yard shaft. Small street sweeper in Gale yard in use.
SLC-7	8:27:00	67.4	71.7	No	STS crane in Gale yard hoisting rebar down Gale yard shaft. During reading, trash pickup truck on N. Gale elevated normal ambient levels.
SLC-6/L-8	9:25:00	73.9	79	No	STS crane in Gale closure hoisting rebar and lumber down into Gale yard shaft.
SLC-4/L-9	10:25:00	61.5	66.3	No	STS crane in Gale yard hoisting Conduit down Gale yard shaft.
SLC-1	11:09:00	61	65.7	No	Ventilation fans in La Cienega yard in operation. STS crew on lunch during reading.





Receptor ID	Time of Measurement	Measured Noise Level Leq (15-Minute)	Applicable Noise Threshold	Exceeded Threshold?	Notes
SLC-2	11:40:00	63.4	71.9	No	STS crane in low idle. Crew inside Gale yard organizing materials to hoist down Gale yard shaft.
SLC-2	12:15:00	58.4	71.9	No	STS is receiving a delivery of a front loader and rolls of membrane in the North Gale yard.
SLC-7	12:45:00	60.8	71.9	No	STS crane is on standby for emergency egress while crews work below the deck on Wilshire Blvd.
SLC-7	13:15:00	61.3	72.9	No	STS crane is on standby for emergency egress while crews work below the deck on Wilshire Blvd.
SLC-1	13:45:00	59.5	65.8	No	STS crane is on standby for emergency egress while crews work below the deck on Wilshire Blvd
<b>November 25, 2019</b>					
SLC-7	6:30:00	59.5	64	No	Crane starts up at 6:30. STS crew in yard setting up for today's work activities below deck.
SLC-2	7:15:00	60.5	69	No	STS hoisting materials down Gale yard shaft with crane.
SLC-2	7:46:00	59.5	69	No	Vehicles entering Gale yard through Gale closure from Wilshire Blvd. Crane in Gale yard hoisting materials down Gale yard shaft.
SLC-4/L-9	8:55:00	63.6	67	No	Crane in Gale yard in low idle. During reading, commercial shredding truck began operating and increased ambient level during its activities.
SLC-2	9:30:00	62	71.8	No	Pacific Steel Group flatbed trailer enters Gale closure for rebar delivery. Truck is sent in to Gale yard to be offloaded.
SLC-2	10:10:00	60	71.6	No	STS crane in Gale yard offloading steel from PSG flatbed trailer.
SLC-2	11:40:00	63.1	71.9	No	STS crane in Gale yard hoisting rebar down Gale yard shaft.
SLC-2	12:30:00	61.3	71.9	No	STS crane inside Gale yard hoisting rebar down below deck through Gale yard shaft.
SLC-2	13:15:00	60.4	72.9	No	STS crane inside Gale yard hoisting rebar down below deck through Gale yard shaft.
SLC-7	14:00:00	61.6	72.1	No	STS day shift crew leaving Gale yard. Gale closure removed at 14:00 hours.



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Receptor ID	Time of Measurement	Measured Noise Level Leq (15-Minute)	Applicable Noise Threshold	Exceeded Threshold?	Notes
SLC-2	18:15:00	60.5	70	No	STS crane is on standby for emergency egress while crews work below the deck on Wilshire Blvd