



Environmental
Intelligence, LLC

December 4, 2018

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

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

Subject: Segment 1 - Purple Line Extension Project ICM Weekly Report
November 25, 2018 – December 1, 2018

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 25, 2018 – December 1, 2018**. No construction activities were conducted on November 25 or December 1.

Construction activities during the week included stockpiling soil in the Gale yard; hauling soil out of the Gale yard; pumping water out of the shafts; as well as lagging, excavating, working on the fire line, and installing handrails on walers below deck. EI ICMs were present on site during all construction activities. ICMs 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 respective 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
December 4, 2018

CONCLUSION

To date, 186 violations have been issued, 18 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.

Sincerely,

ENVIRONMENTAL INTELLIGENCE, LLC



Jeremiah George
Project Manager

Attachments: Attachment A: Daily Monitoring Reports
Attachment B: 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 A
Daily Monitoring Reports
 11/25/2018 - 12/01/2018



Summaries (5)

Date Monday, November 26, 2018
Monitor Heather Bell
Location La Cienega Station
Time 06:00:00 to 16:00:00
Compliant Yes
Summary Contractors/Subcontractors: STS; Mad Transportation; Century Sweeping

Representatives On-Site: Mohammad Ramlawi (STS); Jacob Ravaghi (STS); Howard Jordan (STS); Alex Morales (STS); Tarek Hamdi (Metro); Grover Williams (Metro)

Work Location(s): La Cienega yard; Gale yard; N. Gale Dr. closure

The ICM was in possession of applicable COBH-approved closure notifications and TCP for the day's work from 06:00 hours to 16:00 hours on November 26th, 2018. EI ICM Heather Bell met with STS Superintendent Jacob Ravaghi to discuss the day's activities. At the beginning of the shift, the ICM calibrated the sound meter at 93.9 dB (to 94.00 dB).

Work for the day included stockpiling soil and receiving lagging deliveries in the Gale yard, hauling soil out of the Gale yard, as well as lagging and excavating below deck.

Crews began operating the crane in the Gale yard at 06:47 hours, but it was operated at a low rpm, and its use did not produce a noise exceedance.

Date Tuesday, November 27, 2018
Monitor Josh Stanford
Location La Cienega Station
Time 06:00:00 to 17:30:00
Compliant Yes
Summary Contractors/Subcontractors: STS; Mad Transportation; Century Sweeping; Kroner; DCD Electric

Representatives On-Site: Jacob Ravaghi (STS); Howard Jordan (STS); Alex Morales (STS); Dale Garcia (STS); Aaron Jayne (Metro); Tarek Hamdi (Metro); Grover Williams (Metro); Y.C. Hsieh (Metro); Andrew Baldwin (Metro); Richard Garcia (Metro); David Ramirez (Psomas); Alex Kay (COBH)

Work Location(s): Gale yard; N. Gale Dr. closure

The ICM was in possession of applicable COBH-approved closure notifications and TCP for the day's work from 06:00 hours to 17:30 hours on November 27th, 2018. EI ICM Josh Stanford met with STS Superintendent Jacob Ravaghi and Metro Inspector Tarek Hamdi to discuss the day's activities. At the beginning of the shift, the ICM calibrated the sound meter at 93.9 dB (to 94.00 dB).

Work for the day included stockpiling soil in the Gale yard, hauling soil out of the Gale yard, as well as excavating, working on the fire line, and installing handrails on walers below deck.

Crews began operating the crane in the Gale yard at 06:50 hours, but it was operated at a low rpm, and its use did not produce a noise exceedance.

At 10:43 hours, the ICM observed graffiti on a temporary light post box at the southwest corner of the Gale Dr./Wilshire Blvd. intersection (see photo 2395). The ICM notified STS Superintendent Jason Kallio of the issue.





Attachment A
Daily Monitoring Reports
 11/25/2018 - 12/01/2018



Date Wednesday, November 28, 2018

Monitor Josh Stanford

Location La Cienega Station

Time 06:00:00 to 17:30:00

Compliant Yes

Summary Contractors/Subcontractors: STS; Mad Transportation; Century Sweeping; Kroner; Moretrench

Representatives On-Site: Howard Jordan (STS); Alex Morales (STS); Dale Garcia (STS); Robert Serrano (STS); Tarek Hamdi (Metro); Grover Williams (Metro); Y.C. Hsieh (Metro); David Ramirez (Psomas); Andrea Morales (Kroner); Alex Kay (COBH)

Work Location(s): Gale yard; La Cienega yard; N. Gale Dr. closure

The ICM was in possession of applicable COBH-approved closure notifications and TCP for the day's work from 06:00 hours to 17:30 hours on November 28th, 2018. EI ICM Josh Stanford met with STS Foreman Alex Morales and Metro Inspector Tarek Hamdi to discuss the day's activities. At the beginning of the shift, the ICM calibrated the sound meter at 93.9 dB (to 94.00 dB).

Work for the day included stockpiling soil in the Gale yard, hauling soil out of the Gale yard, measuring dewatering wells along Wilshire Blvd. between Tower Dr. and La Cienega Blvd., as well as excavating, lagging, and installing handrails on walers below deck.

Crews began operating the crane in the Gale yard at 06:48 hours, but it was operated at a low rpm, and its use did not produce a noise exceedance.

At 16:55 hours, the ICM observed graffiti on a temporary light post box at the northeast corner of the Gale Dr./Wilshire Blvd. intersection (see photo 2399). The ICM notified STS Foreman Javier Avilla of the issue.

Date Thursday, November 29, 2018

Monitor Annamarie Hand

Location La Cienega Station

Time 05:45:00 to 15:15:00

Compliant Yes

Summary Contractors/Subcontractors: STS

Representatives On-Site: Alex Morales (STS); Howard Jordan (STS); Tarek Hamdi (Metro)

Work Location(s): Gale yard

The ICM was in possession of applicable COBH-approved closure notifications and TCP for the day's work from 05:45 hours to 15:15 hours on November 29th, 2018. EI ICM Annamarie Hand met with STS Foreman Alex Morales to discuss the day's activities. At the beginning of the shift, the ICM calibrated the sound meter at 94.00 dB.

Work for the day included pump washing, running equipment below deck, and pumping water from the shaft.

Rain fell periodically throughout the shift.





Attachment A
Daily Monitoring Reports
11/25/2018 - 12/01/2018



Date Friday, November 30, 2018

Monitor Annamarie Hand

Location La Cienega Station

Time 05:45:00 to 12:30:00

Compliant Yes

Summary Contractors/Subcontractors: STS; Century Sweeping

Representatives On-Site: Howard Jordan (STS); Tarek Hamdi (Metro); Aaron Jayne (Metro); David Ramirez (Psomas)

Work Location(s): Gale yard; below the deck panels along Wilshire Blvd.

The ICM was in possession of applicable COBH-approved closure notifications and TCP for the day's work from 05:45 hours to 12:30 hours on November 30th, 2018. EI ICM Annamarie Hand met with STS Superintendent Howard Jordan to discuss the day's activities. At the beginning of the shift, the ICM calibrated the sound meter at 94.00 dB.

Work for the day included hoisting materials and equipment in/out of the Gale shaft, pump washing, running equipment below deck, and pumping water from the shaft.





Photos



Photos (14)

UID: 2393 **Latitude:** 34.06545
Date: Nov 26, 2018 **Longitude:** -118.37403
Type: Construction Activity **Elevation:** ---

Notes

Photo shows Mad Transportation trucks arriving at the Gale yard.



UID: 2394 **Latitude:** 34.0654
Date: Nov 26, 2018 **Longitude:** -118.37418
Type: Construction Activity **Elevation:** ---

Notes

Photo shows a lagging delivery at the Gale yard.



UID: 2395 **Latitude:** 34.06455
Date: Nov 27, 2018 **Longitude:** -118.37415
Type: General **Elevation:** ---

Notes

Photo shows graffiti on a temporary light post box at the southwest corner of the Gale Dr./Wilshire Blvd. intersection. STS Superintendent Jason Kallio was notified of the issue.



UID: 2398 **Latitude:** 34.0653
Date: Nov 27, 2018 **Longitude:** -118.3742
Type: Construction Activity **Elevation:** ---

Notes

Photo shows STS dumping soil into the muck pit in the Gale yard.



UID: 2396 **Latitude:** 34.0653
Date: Nov 27, 2018 **Longitude:** -118.37407
Type: Construction Activity **Elevation:** ---

Notes

Photo shows STS crews loading soil into a Mad Transportation truck bed in the Gale yard.





Photos



UID: 2397 **Latitude:** 34.06469
Date: Nov 27, 2018 **Longitude:** -118.37467
Type: Construction Activity **Elevation:** ---

Notes

Photo shows Mad Transportation hauling soil out of the Gale yard.



UID: 2399 **Latitude:** 34.06477
Date: Nov 28, 2018 **Longitude:** -118.374
Type: General **Elevation:** ---

Notes

Photo shows graffiti on a temporary light post box at the northeast corner of the Gale Dr./Wilshire Blvd. intersection. The ICM notified STS Foreman Javier Avilla of the issue.



UID: 2401 **Latitude:** 34.0653
Date: Nov 28, 2018 **Longitude:** -118.3742
Type: Construction Activity **Elevation:** ---

Notes

Photo shows STS loading soil into a Mad Transportation truck bed in the Gale yard.



UID: 2400 **Latitude:** 34.06469
Date: Nov 28, 2018 **Longitude:** -118.37467
Type: Construction Activity **Elevation:** ---

Notes

Photo shows STS dumping soil into the muck pit in the Gale yard.



UID: 2403 **Latitude:** 34.065331
Date: Nov 29, 2018 **Longitude:** -118.37417
Type: Construction Activity **Elevation:** ---

Notes

Photo shows STS closing the Gale yard gate and placing straw wattles to control storm water runoff.



UID: 2402 **Latitude:** 34.065318
Date: Nov 29, 2018 **Longitude:** -118.374327
Type: Construction Activity **Elevation:** ---

Notes

Photo shows STS closing the Gale yard gate and placing straw wattles to control storm water runoff.





Photos



UID: 2405
Date: Nov 30, 2018
Type: Construction Activity

Latitude: 34.0653
Longitude: -118.3742
Elevation: - - -

Notes

Photo shows crews hoisting equipment into the Gale shaft.

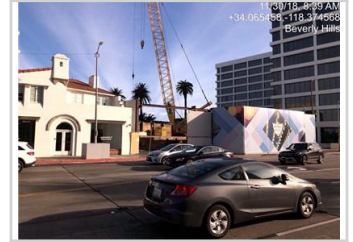


UID: 2406
Date: Nov 30, 2018
Type: Construction Activity

Latitude: 34.06469
Longitude: -118.37467
Elevation: - - -

Notes

Photo shows crews hoisting materials and equipment into the Gale shaft



UID: 2404
Date: Nov 30, 2018
Type: Construction Activity

Latitude: 34.06528
Longitude: -118.37421
Elevation: - - -

Notes

Photo shows crews preparing to hoist the mini excavator into the Gale shaft.





Attachment B – Construction Noise Monitoring Results

Receptor ID	Time of Measurement	Measured Noise Level Leq (15-Minute)	Applicable Noise Threshold	Exceeded Threshold?	Notes
November 26, 2018					
SLC-7	6:51	60	64	No	Crane beginning work in the Gale yard.
SLC-2	7:17	64.1	69	No	Loud truck brakes at Gale yard. Car alarm sounding near noise meter.
SLC-6/L-8	7:42	74.9	79	No	Trucks exiting Gale yard.
SLC-7	8:02	62.9	71.7	No	Trucks arriving to the Gale yard.
SLC-7	8:28	65.4	71.7	No	Lagging being delivered to Gale yard. Nearby sirens during reading.
SLC-2	9:46	59.9	61.6	No	Work stalled while waiting for trucks to arrive.
SLC-7	10:10	60.8	71.6	No	Trucks arriving to Gale yard.
SLC-6/L-8	10:26	62.8	79	No	Trucks exiting Gale yard.
SLC-2	10:45	62.7	71.6	No	Trucks and lagging arriving to Gale yard.
SLC-7	11:59	61.6	71.9	No	Trucks arriving to Gale yard.
SLC-2	13:07	65.9	72.9	No	Trucks arriving at the Gale yard.
SLC-6/L-8	13:29	72.8	79	No	Loud commuter traffic.
SLC-7	13:51	59.3	71.9	No	Noise limited to ambient while waiting for more trucks to arrive.
SLC-2	14:57	59.7	72.1	No	Deliveries completed at Gale yard.
November 27, 2018					
SLC-7	6:23	60.3	64	No	Crews were setting up the N Gale closure. Noise was primarily ambient.
SLC-7	6:42	61.4	64	No	Crews were setting up the N Gale closure. Crane operation began at 06:50 hours.
SLC-2	7:13	62.3	69	No	STS was operating the crane in the Gale yard. Trucks hauled soil out of the Gale yard.
SLC-1	7:42	61.6	67.1	No	Crews were hauling soil out of the Gale yard. Fans in the La Cienega yard were audible.



Receptor ID	Time of Measurement	Measured Noise Level Leq (15-Minute)	Applicable Noise Threshold	Exceeded Threshold?	Notes
SLC-4/L-9	8:07	61.4	67	No	Crews were hauling soil out of the Gale yard.
SLC-2	8:43	65.8	71.7	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Trucks were hauling soil out of the Gale yard.
SLC-7	9:24	65.2	71.8	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit.
SLC-1	9:46	61.5	67.2	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Trucks were hauling soil out of the Gale yard. Fans in the La Cienega yard were audible.
SLC-6/L-8	10:17	73.9	79	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Trucks were hauling soil out of the Gale yard.
SLC-7	10:47	65.2	71.6	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Trucks were hauling soil out of the Gale yard.
SLC-1	11:15	63.2	65.7	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Trucks were hauling soil out of the Gale yard. A non-project truck idled nearby.
SLC-2	11:42	63.4	71.9	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Trucks were hauling soil out of the Gale yard.
SLC-7	12:37	66	71.9	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Trucks were hauling soil out of the Gale yard. A dumpster was moved inside the yard.
SLC-7	12:52	64.8	71.9	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Trucks were hauling soil out of the Gale yard.
SLC-1	13:22	63.3	65.8	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Mad Transportation was hauling soil out of the Gale yard. Fans in the La Cienega yard were audible.
SLC-7	13:49	63.9	72.9	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Mad Transportation was hauling soil out of the Gale yard.
SLC-6/L-8	14:17	73.8	79	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Mad Transportation was hauling soil out of the Gale yard.



Receptor ID	Time of Measurement	Measured Noise Level Leq (15-Minute)	Applicable Noise Threshold	Exceeded Threshold?	Notes
SLC-2	14:49	60.6	72.1	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit.
SLC-7	15:24	64	72.3	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit.
SLC-1	15:54	62.5	67.3	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. An ambulance drove down Wilshire.
SLC-7	16:17	64.6	71.8	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit.
SLC-2	16:46	60.5	71.8	No	STS was operating the crane in the Gale yard.
SLC-7	17:10	63.6	72.4	No	Crews were operating the crane in the Gale yard.
November 28, 2018					
SLC-7	6:21	58.2	64	No	Construction activity was not occurring. Noise was limited to ambient.
SLC-7	6:43	60.8	64	No	Crews were setting up the N Gale closure. Crane operation began at 06:48 hours.
SLC-1	7:16	63.4	67.1	No	Crews were working in the Gale yard. Fans in the La Cienega yard were audible. A garbage truck emptied dumpsters on N Hamilton.
SLC-4/L-9	7:41	63.1	65.2	No	Crews were hauling soil out of the Gale yard. A barking dog and yard workers were nearby.
SLC-7	8:11	67.9	71.7	No	STS was operating the crane in the Gale yard. Mad Transportation was hauling soil out of the Gale yard.
SLC-2	8:52	61.1	71.7	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Mad Transportation was hauling soil out of the Gale yard.
SLC-1	9:27	69.1	67.2	Yes	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Mad Transportation was hauling soil out of the Gale yard. Fans in the La Cienega yard were audible. A noisy motorcycle drove down N Hamilton and positively produced the exceedance.
SLC-1	9:51	61	67.2	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Fans in the La Cienega yard were audible.
SLC-2	10:22	62	71.6	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Mad Transportation was hauling soil out of the Gale yard.



Receptor ID	Time of Measurement	Measured Noise Level Leq (15-Minute)	Applicable Noise Threshold	Exceeded Threshold?	Notes
SLC-6/L-8	10:47	73.9	79	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Mad Transportation was hauling soil out of the Gale yard.
SLC-7	11:24	62.3	71.9	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Mad Transportation was hauling soil out of the Gale yard.
SLC-2	11:48	62.3	71.9	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Mad Transportation was hauling soil out of the Gale yard.
SLC-7	12:44	65.4	71.9	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Mad Transportation was hauling soil out of the Gale yard.
SLC-1	13:04	63	65.8	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Mad Transportation was hauling soil out of the Gale yard.
SLC-6/L-8	14:42	72.7	79	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Mad Transportation was hauling soil out of the Gale yard.
SLC-7	15:10	63.1	72.3	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit.
SLC-1	15:55	61.5	67.3	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit.
SLC-1	16:15	63.2	66.6	No	STS was hoisting soil out of the Gale shaft and dumping it into the muck pit. Fans in the La Cienega yard were audible.
SLC-7	16:57	63.7	71.8	No	STS was operating the crane in the Gale yard.
November 29, 2018					
SLC-2	10:45	62.7	71.6	No	Crews are pump washing; running equipment below deck; pumping water from the shaft.
SLC-7	13:00	65.4	72.9	No	Crews are pump washing; running equipment below deck; pumping water from the shaft.
SLC-2	13:30	61.8	72.9	No	Crews are pump washing; running equipment below deck; pumping water from the shaft. Heavy winds present throughout measurement.
November 30, 2018					
SLC-7	7:00	65	69	No	Crane is lowering equipment into the Gale shaft.
SLC-1	7:30	61.5	67.1	No	Crane is hoisting materials and equipment in/out of the Gale shaft; pump washing; running equipment below deck; pumping water from the shaft.



Receptor ID	Time of Measurement	Measured Noise Level Leq (15-Minute)	Applicable Noise Threshold	Exceeded Threshold?	Notes
SLC-4/L-9	8:00	68.1	67	Yes	Crane is hoisting materials and equipment in/out of the Gale shaft; pump washing; running equipment below deck; pumping water from the shaft The exceedance was produced by garbage trucks emptying dumpsters nearby.
SLC-6/L-8	8:30	74.9	79	No	Crane is hoisting materials and equipment in/out of the Gale shaft; pump washing; running equipment below deck; pumping water from the shaft.
SLC-7	9:00	65	71.8	No	Crane is hoisting materials and equipment in/out of the Gale shaft; pump washing; running equipment below deck; pumping water from the shaft.
SLC-2	9:30	62.7	71.8	No	Crane is hoisting materials and equipment in/out of the Gale shaft; pump washing; running equipment below deck; pumping water from the shaft.
SLC-1	10:00	62	68	No	Crane is hoisting materials and equipment in/out of the Gale shaft; pump washing; running equipment below deck; pumping water from the shaft.
SLC-4/L-9	10:30	60.8	66.3	No	Crane is hoisting is materials and equipment in/out of the Gale shaft; pump washing; running equipment below deck; pumping water from the shaft.
SLC-7	11:00	63.6	71.9	No	Crane is hoisting is materials and equipment in/out of the Gale shaft; pump washing; running equipment below deck; pumping water from the shaft.
SLC-2	11:30	63.4	71.9	No	Crane is hoisting is materials and equipment in/out of the Gale shaft; pump washing; running equipment below deck; pumping water from the shaft.