



June 12, 2019

City of La Habra Heights
1245 No. Hacienda Blvd.
La Habra Heights, CA 90631
(562) 694-6302

Ms. Susana Vargas
Stormwater Section
Los Angeles Regional Water Quality Control Board
320 West 4th Street, Ste 200
Los Angeles, CA 90013

RE: Semi- Annual Monitoring Reporting Permit Year 2018-2019 (January through June)
City of La Habra Heights
Permit No. CAS004001 (Order No. R4-2012-0175)

Dear Ms. Vargas:

The City of La Habra Heights is submitting in this letter an explanation and presentation of the monitoring for January 1 through June 30, 2019. The City has taken a proactive approach to monitoring starting in 2017 as dry and weather events were monitored. It is noted that sampling is performed for both Coyote Creek (LHH-1) and San Jose Creek (LHH-2). The rain event summary is included in Attachment A.

Sampling was mobilized for one wet event on January 17, 2019 in which discharge was observed at both Coyote Creek and San Jose Creek and Coyote Creek. This was the first wet storm event since 2017 in which discharge has been observed at both Coyote Creek and at San Jose Creek. A summary of this event is included in Attachment B.

A summary of the analytical data collected for this event is included in Attachment B. No dry weather events were monitored during the period due to an absence of both qualifying events and observed discharge; this will continue to be managed in the next six month period by the City's continued proactiveness in monitoring. Analytical data collected from Coyote Creek and San Jose Creek during this period meets regional water quality standards, with the exception of TDS at Coyote Creek and bacteria at both waterbodies. It has been previously noted in past reports that discharge points have soft bottoms which could explain the elevated TDS and in this jurisdiction, wildlife is a permanent contributor of bacteria loading due to the Wildlife Corridor and these results and any future analytical results obtained should be considered in the context of these natural background sources.

Required Monitoring

The City is required to perform the following annual monitoring:

- Four sets of dry weather monitoring
- Three sets of wet weather monitoring
- Participation in two regional monitoring programs.

Each monitoring requirement is discussed in the following paragraphs.



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Daily Photographs

As presented in the 2017 ROWD and Integrated Monitoring Plan (approved December 7, 2015), the City was allowed to document flows using photographic monitoring. A city staff member was assigned to taking daily photographs of both dry weather and wet weather flows. The photos have been 1) logged based on the photograph locations, dates and note if flow is visible; 2) compare the data to regionally documented precipitation data which is downloaded from Los Angeles County Precipitation website. There is a Los Angeles County station located in La Habra Heights (Station 327 [Reference ID 1088B]); and 3) calibrate the photographs to the rain event values so that an estimated rain event sizing can be presented for actual discharges from the City. The goal is to show and calibrate what rain event sizing actually causes discharges from the City. Photos sets for 2018 dry and wet weather events were presented in the 2018 Annual Report.

It was concluded at the end of 2018 that the Daily Photograph project would be stopped. The data clearly presented that dry weather events do not discharge from the City jurisdiction. Also, many smaller rain events also do not discharge from the City jurisdiction.

Dry and Wet Weather Monitoring

The City completed all of the requirements for mobilizing and monitoring for dry and wet weather sampling events. No dry weather events were mobilized for during this period due to a lack of qualifying events with observed discharge. It is noted that in the previous six months, three wet weather events were attempted to be sampled. This is the first significant wet weather event sampled for the Permit year; it was decided to add a fourth sampling event.

One wet weather monitoring event was mobilized for during this period on January 17, 2019. Discharge was observed at both Coyote Creek (estimated flow at 2 cfs) and San Jose Creeks (estimated flow at 0.4 cfs) after a heavy rainfall over a number of days (3.35 inches over a period of 3 days from January 14th to January 17th). Photographs from the event can be viewed below in the Photolog included in Attachment C.

Using the thresholds presented in the Watershed Management Plan (WMP) and the Integrated Monitoring Plan (IMP), outfalls discharges are in compliance with the exception of TDS at Coyote Creek (1,110 mg/L) and bacteria at Coyote Creek (4,100 cfu/100 mL) and San Jose Creek (16,000 cfu/mL). Compliance for bacteria (235 cfu/100 mL) will be difficult in these drainages as both discharge points are located within natural drainages. The San Jose Creek location is located just outside a wildlife conservation area. The Coyote Creek location is located within a heavily vegetated drainage with many types of animals (coyotes, raccoons, rodents, birds, bats) living in the drainage.

Regional Sampling

The City of La Habra Heights participated in two regional group monitoring programs.

- 1) Upper San Gabriel River EWMP Group: Participation includes: USGR_SJC_C-1 which is S14.



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- 2) Harbor Toxics TMDL Program: Participation to include: Meeting objectives of the Harbor Toxic Pollutants TMDL by installing one monitoring station in the Los Angeles River at Wardlow Road, one monitoring station in the San Gabriel River near Spring Street, and one monitoring station in the Coyote Creek, also near Spring Street and conducting monitoring at said monitoring stations (collectively "Monitoring Stations") to ensure consistency with other regional monitoring programs and usability with other TMDL related studies. Station S13 applies to the City.

We did not include copies of all of the regional data as it is expected this has been submitted to the Water Board through the regional monitoring program. If a submittal is necessary, the City will submit as an addendum to this letter.

The City appreciates the Waterboard staff's time and effort concerning this matter. If there are additional questions, or if the Waterboard would like to discuss the tasks that have been presented, please do contact us so a conference call or meeting can be scheduled. Please contact Cynthia Gabaldon at 909-455-8520 or Cynthia.gabaldon@cgmre.com

Sincerely,

A handwritten signature in blue ink, appearing to read "Fabiola Huerta", written over the printed name.

Ms. Fabiola Huerta
City Manager
City of La Habra Heights

ATTACHMENT A – RAIN EVENT SUMMARY

Rain Event Summary

City of La Habra Heights

Los Angeles County Station 327 (Reference ID 1088B) - La Habra Heights

DATE	RAIN EVENT TOTAL	Notes
1/5/2019	0.36	
1/12/2019	0.63	
1/14-17/2019	3.31	Sampled event
1/31/2019	1.06	
2/2-5/2019	2.80	
2/9/2019	0.19	
2/10/2019	0.16	
2/13-16/2019	2.91	
2/21/2019	0.08	
3/2/2019	1.06	
3/6/2019	0.95	
3/21/2019	0.07	
5/16/2019	0.36	
5/19/2019	0.16	

ATTACHMENT B- LA HABRA HEIGHTS Monitoring Data Summary

MONITORING DATA 1st Semi Annual 1/2019- 6/2019

City of La Habra Heights Stormwater Sampling Summary Table

Sampling Event	Pollutants	Thresholds	Test Results	
Wet or Dry			Date	Flow information from sampling time
Daily		Daily photos		
Wet – 1			01/17/2019	
Coyote Creek	pH (S.U.)	6.0-8.5	7.20	Estimated flow approximately 2 cfs
LHH-1	TSS (mg/L)	264.1	180	
	TDS (mg/L)	750	1,110	
	Hardness (mg/L)	-	635	
	Dissolved Oxygen (mg/L)	>7.0	10.68	
	Temperature (°C)	-	15.3	
	Specific Conductivity (µS/cm)	-	1,650	
	Turbidity (NTU)	-	172.9	
	Coliform Bacteria (MPN/100mL)	235	4,100	
	Indicator Bacteria	235	4,100	
	Lead (CC)	96.99 µg/L x daily storm volume (L)	Total: 7.58 Dissolved: ND*	
	Copper (CC)	24.71 µg/L x daily storm vol (L)	Total: 13.6 Dissolved: 5.01	
	Zinc (CC)	144.57 µg/L x daily storm vol (L)	Total: 34.8 Dissolved: 7.50 (J)	
San Jose Creek	pH (S.U.)	6.0-8.5	8.36	Estimated flow approx. at .04 cfs (20 gpm)
LHH-2	TSS (mg/L)	264.1	104	
	TDS (mg/L)	750	82.0	
	Hardness (mg/L)	-	32.1	
	Dissolved Oxygen (mg/L)	>7.0	11.20	
	Temperature (°C)	-	14.4	
	Specific Conductivity (µS/cm)	-	87.6	
	Turbidity (NTU)	-	159.6	
	Coliform Bacteria (MPN/100mL)	235 E. coli/100m	16,000	
	Indicator Bacteria (MPN/100mL)	235 E. coli/100m	16,000	
	Selenium (SJC)	NA	Total: ND** Dissolved: ND**	
	Lead (SGR)	81.34 µg/L x daily storm vol. (L)	Total: 6.90 ug/L Dissolved: ND*	

*Lead MDL reported at 0.76 µg/L

**Selenium MDL reported at 0.39 µg/L

MPN = most probable number

cfs= cubic feet per second

gpm = gallons per minute

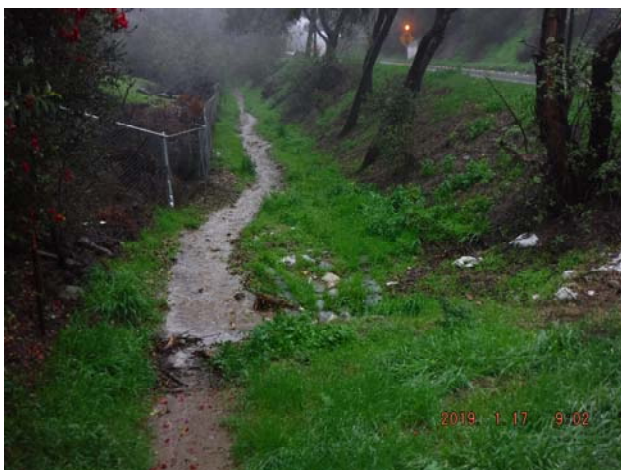
ATTACHMENT C- LA HABRA HEIGHTS Sample Photolog



PHOTOGRAPH 1.
Coyote Creek 1.17.2019



PHOTOGRAPH 2
Coyote Creek 1.17.2019



PHOTOGRAPH 3
San Jose Creek 1.17.2019



PHOTOGRAPH 4
San Jose Creek 1.17.2019

PHOTOGRAPH 5

PHOTOGRAPH 6