



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

December 14, 2018

Ms. Erum Razzak
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 (July thru December) - Draft
City of La Habra Heights
Permit No. CAS004001 (Order No. R4-2012-0175)

Dear Ms. Razzak:

The City of La Habra Heights is submitting in this letter an explanation and presentation of the monitoring for July 1 through December 30, 2018. It has been brought up that the monitoring report due date for this reporting period is actually June 15, 2019. The City will be making this a draft submittal, with the available data, and then will revise and update this report with any additional December 2018 data. This report will then be resubmitted again in early 2019.

The City has taken a proactive approach to monitoring starting in 2017 as dry and weather events were monitored and the required daily photographs were taken. It is noted that sampling is performed for both San Jose Creek and Coyote Creek. The rain event summary is included in Attachment A.

Sampling was mobilized for two dry events (September 19 and November 21) and one wet weather rain event (November 28). It is noted that there were also two non-sampled field events. A wet weather event on October 3 was considered a false start. Then, a wet weather event that occurred on October 12 was a non-qualifying event; No field data was obtained. No discharge was observed at either San Jose Creek or Coyote Creek for the September 19 dry weather event. The sampling event on November 21 was attempted and no discharges were observed. Thus, it was determined that the November 21 event would be classified as a dry weather event. On November 29, another rain event occurred. The field team went to both sites and only observed flow at San Jose Creek.

A summary of analytical data collected from the November 29 sampling wet weather event from San Jose Creek is included in Attachment B. Again, it is noted that no dry weather events were monitored during this period due to an absence of discharge during mobilized events; this will be managed in the next six month period. In summary, only one of the five events mobilized for sampling show that there was discharge of runoff from the City, and there were no flows observed for Coyote Creek. Analytical data collected from San Jose Creek during this period meets regional water quality standards, with the exception of bacteria. It has been previously noted in past reports that in this jurisdiction, wildlife is a permanent contributor of bacteria loading due to the Wildlife Corridor and these results and any future analytical results



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obtained should be considered in the context of these natural background sources. The November 29 sampling event for San Jose Creek could also be considered as the first flush. It is noted that there has been no documented discharges at this location since March 22, 2018.

Required Monitoring

The City is required to perform the following annual monitoring:

- Daily photographs of key discharge points
- 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.

Daily Photographs

As presented in the 2015 ROWD and Integrated Monitoring Plan (approved December 7, 2015), the City was allowed to document flows using photographic monitoring. A city staff member has been 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 are on-going and analysis will be presented in the Annual Report and in this second period semi- annual monitoring report. To date there have been 1,911 photographs taken of the selected locations. It is being requested that the photograph log project be halted starting January 1, 2019.

Dry and Wet Weather Monitoring

The City has attempted but has not completed all of the requirements for mobilizing and monitoring for dry and wet weather sampling events. Two dry weather events were mobilized for during this period. However, no discharge was observed during both the September 19 and November 21 sampling events.

One wet weather monitoring event was mobilized for during this period. However, discharge was only observed in San Jose Creek during the November 29 event; no flow was observed at Coyote Creek for the wet weather event. Photographs from each of these events can be viewed below in the Photolog included in Attachment C (to be included in the final report).

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 bacteria (76,000 cfu/100 mL). Compliance for bacteria (235



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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. The November 29 rain event was recorded at 1.06 inches, and as stated, no discharge was observed at Coyote Creek.

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.
- 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 a summary or copies of the regional data as it has not yet been made available to the City at the writing of this report. It is expected that this data has been or will be submitted to the Waterboard through the regional monitoring program. If a submittal is necessary, the City will submit as an addendum to this letter upon receipt of the data.

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,

Mr. Jarad Hildenbrand
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
10/12/18	0.47	No discharge at Coyote
11/21/18	0.31	No discharge at Coyote
11/28/18	1.06	No discharge at Coyote

**ATTACHMENT B – LA HABRA HEIGHTS 6.2018 to 12.2018 Data
Summary**

MONITORING DATA 2nd Semi Annual 12/2018

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	Flow	Daily photos		
Wet – 1			11/29/2018	
Coyote Creek	pH	6.0-8.5		No flow. Rain was noted to be infiltrating.
	TSS	264.1 mg/L		
	TDS	750 mg/L		
	Hardness	-		
	Dissolved Oxygen	>7.0 mg/L		
	Temperature	-		
	Specific Conductivity	-		
	Turbidity	-		
	Coliform Bacteria	235 E. coli/100m		
	Indicator Bacteria	235 E. coli/100m		
	Lead (CC)	96.99 µg/L x daily storm volume (L)		
	Copper (CC)	24.71 µg/L x daily storm vol (L)		
	Zinc (CC)	144.57 µg/L x daily storm vol (L)		
San Jose Creek	pH	6.0-8.5	7.02	Estimated flow approx. at .01 cfs
	TSS	264.1 mg/L	121 mg/L	
	TDS	750 mg/L	138 mg/L	
	Hardness	-	29.1 mg/L	
	Dissolved Oxygen	>7.0 mg/L	9.81 mg/L	
	Temperature	-	14.3 °C	
	Specific Conductivity	-	125.7 uS/cm	
	Turbidity	-	38.3 NTU	
	Coliform Bacteria	235 E. coli/100m	76000	
	Indicator Bacteria	235 E. coli/100m	*	
	Selenium (SJC)	NA	Total: ND ug/L Dissolved: 0.4ug/L	
	Lead (SGR)	81.34 µg/L x daily storm vol. (L)	Total: 7.23 ug/L Dissolved: ND ug/L	
Wet -2				
Coyote Creek	pH	6.0-8.5		No Flow
	TSS	-		
	TDS	750 mg/L		
	Hardness	-		
	Dissolved Oxygen	>7.0 mg/L		
	Temperature	-		
	Specific Conductivity	-		
	Turbidity	-		
Wet -2 Coyote Creek	Lead (CC)	96.99 µg/L x daily storm volume (L)		
	Copper (CC)	24.71 µg/L x daily storm vol (L)		
	Zinc (CC)	144.57 µg/L x daily storm vol (L)		
San Jose Creek	pH	6.0-8.5		
	TSS	-		
	TDS	750 mg/L		
	Hardness	-		
	Dissolved Oxygen	>7.0 mg/L		
	Temperature	-		
	Specific Conductivity	-		
	Turbidity	-		
	Selenium (SJC)	NA		
	Lead (SGR)	81.34 µg/L x daily storm vol. (L)		
Wet -3				
Coyote Creek	pH	6.0-8.5		
	TSS	-		
	TDS	750 mg/L		
	Hardness	-		
	Dissolved Oxygen	>7.0 mg/L		
	Temperature	-		
	Specific Conductivity	-		
	Turbidity	-		
	Lead (CC)	96.99 µg/L x daily storm volume (L)		
	Copper (CC)	24.71 µg/L x daily storm vol (L)		

	Zinc (CC)	144.57 µg/L x daily storm vol (L)		
San Jose Creek	pH	6.0-8.5		
	TSS	-		
	TDS	750 mg/L		
	Hardness	-		
	Dissolved Oxygen	>7.0 mg/L		
	Temperature	-		
	Specific Conductivity	-		
	Turbidity	-		
	Selenium (SJC)	NA		
	Lead (SGR)	81.34 µg/L x daily storm vol. (L)		
Dry- 1			9/19/2018	
Coyote Creek	pH	6.0-8.5		No Flow; dry
(if flow leaves city Jurisdiction)	TSS	-		
	TDS	750 mg/L		
	Hardness	-		
	Dissolved Oxygen	>7.0 mg/L		
	Temperature	-		
	Specific Conductivity	-		
	Coliform Bacteria	235 E. coli/100m		
	Indicator Bacteria	235 E. coli/100m		
	Lead (CC)	NA		
	Copper (CC)	0.941 kg/day		
	Zinc (CC)	NA		
San Jose Creek	pH	6.0-8.5		No flow; dry
(if flow leaves City Jurisdiction)	TSS	-		
	TDS	750 mg/L		
	Hardness	-		
	Dissolved Oxygen	>7.0 mg/L		
	Temperature	-		
	Specific Conductivity	-		
	Selenium (SJC)	0.232 kg/day; 5 µg/L2		
	Lead (SGR)	NA		
Dry -2			11/22/2018	
Coyote Creek	pH	6.0-8.5		No flow; dry
(if flow leaves City Jurisdiction)	TSS	-		
	TDS	750 mg/L		
	Hardness	-		
	Dissolved Oxygen	>7.0 mg/L		
	Temperature	-		
	Specific Conductivity	-		
	Lead (CC)	NA		
	Copper (CC)	0.941 kg/day		
	Zinc (CC)	NA		
San Jose Creek	pH	6.0-8.5		No flow; damp
(if flow leaves City Jurisdiction)	TSS	-		
	TDS	750 mg/L		
	Hardness	-		
	Dissolved Oxygen	>7.0 mg/L		
	Temperature	-		
	Specific Conductivity	-		
	Selenium (SJC)	0.232 kg/day; 5 µg/L2		
	Lead (SGR)	NA		
Dry -3				
Coyote Creek	pH	6.0-8.5		
(if flow leaves City Jurisdiction)	TSS	-		
	TDS	750 mg/L		
	Hardness	-		
Dry -3 Coyote Creek cont.	Dissolved Oxygen	>7.0 mg/L		
	Temperature	-		
	Specific Conductivity	-		
	Lead (CC)	NA		
	Copper (CC)	0.941 kg/day		
	Zinc (CC)	NA		
San Jose Creek	pH	6.0-8.5		
(if flow leaves City Jurisdiction)	TSS	-		
	TDS	750 mg/L		
	Hardness	-		
	Dissolved Oxygen	>7.0 mg/L		

	Temperature	-		
	Specific Conductivity	-		
	Selenium (SJC)	0.232 kg/day; 5 µg/L2		
	Lead (SGR)	NA		
Dry -4				
Coyote Creek	pH	6.0-8.5		
(if flow leaves City	TSS	-		
Jurisdiction)	TDS	750 mg/L		
	Hardness	-		
	Dissolved Oxygen	>7.0 mg/L		
	Temperature	-		
	Specific Conductivity	-		
San Jose Creek	pH	6.0-8.5		
(if flow leaves City	TSS	-		
Jurisdiction)	TDS	750 mg/L		
	Hardness	-		
	Dissolved Oxygen	>7.0 mg/L		
	Temperature	-		
	Specific Conductivity	-		