

NPDES OUTFALL	DESCRIPTION
001	Downstream of Outfall 011; discharge to Bell Creek
002	Downstream of Outfall 018; discharge to Bell Creek
003	Runoff transferred to Silvernale for treatment prior to discharge of Outfall 018
004	Runoff transferred to Silvernale for treatment prior to discharge of Outfall 018
005	Runoff transferred to Silvernale for treatment prior to discharge of Outfall 018
006	Runoff transferred to Silvernale for treatment prior to discharge of Outfall 018
007	Runoff transferred to Silvernale for treatment prior to discharge of Outfall 018
008	Stormwater from Happy Valley; discharge to Dayton Canyon Creek
009	Stormwater from Northern Drainage; discharge to Arroyo Simi
010	Runoff transferred to Silvernale for treatment prior to discharge of Outfall 018
011	Stormwater and perimeter pond (treated at SWTS); discharge to Outfall 001
018	Stormwater and R-2 pond (treated at SWTS); discharge to Outfall 002
019	Treated groundwater (GET SYSTEM)
020	Treated groundwater (GET SYSTEM) (may not be constructed)

- NOTES:
- ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE
  - A1LF = AREA I LANDFILL
  - APTF = ADVANCED PROPULSION TEST FACILITY
  - DOE = DEPARTMENT OF ENERGY
  - ELV = EXPENDABLE LAUNCH VEHICLE
  - GET = GROUNDWATER EXTRACTION AND TREATMENT
  - IEL = INSTRUMENT AND EQUIPMENT LABORATORIES
  - ISRA = INTERIM SOURCE REMOVAL ACTION
  - LOX = LIQUID OXYGEN
  - NASA = NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
  - RMMP = RESTORATION MITIGATION MONITORING PLAN
  - SPA = STORABLE PROPELLANT AREA
  - SWTS = STORMWATER TREATMENT SYSTEM

**LEGEND**

ACTIVE NPDES OUTFALL LOCATION	GROUNDWATER MONITORING WELL	FORMER STUDY AREA	DRAINAGE	VEHICLE PARKING AREA	EXISTING BUILDING/STRUCTURE
FORMER NPDES OUTFALL LOCATION	BMP MONITORING LOCATION	RMMP LOCATION	ASPHALT SWALE	BIOFILTER	FORMER BUILDING FOOTPRINT
POSSIBLE FUTURE NPDES OUTFALL LOCATION	SPECIAL STUDIES LOCATION	CHECK STRUCTURE - MOSTLY NATURAL SANDSTONE, SOME RIP RAP	PAVED ROAD	BIOSWALE	CONCRETE SLAB IN PLACE
BELL CREEK RECEIVING WATER (RSW-001) SAMPLING LOCATION AND OUTFALL 002	GET SYSTEM	CHECK STRUCTURE - RIP RAP	DIRT ROAD	SEDIMENT BASIN	LANDFILL AREA
SLOPE DRAIN DISCHARGE POINT TO NORTHERN DRAINAGE	DOE AIR MONITORING LOCATION	CHECK STRUCTURE - VEGETATED RIP RAP	STORMWATER CONVEYANCE PIPELINE WITH FLOW DIRECTION	NORTHERN DRAINAGE	SANTA SUSANA SITE PROPERTY BOUNDARY
CULVERT MODIFICATION	STORMWATER TREATMENT SYSTEM	SLOPE DRAIN WITH UNDERLYING CHECK STRUCTURE AND ENERGY DISSIPATING GRAVEL AT INFLUENT END	25' ELEVATION CONTOUR	SURFACE WATER POND	ADMINISTRATIVE AREA BOUNDARY

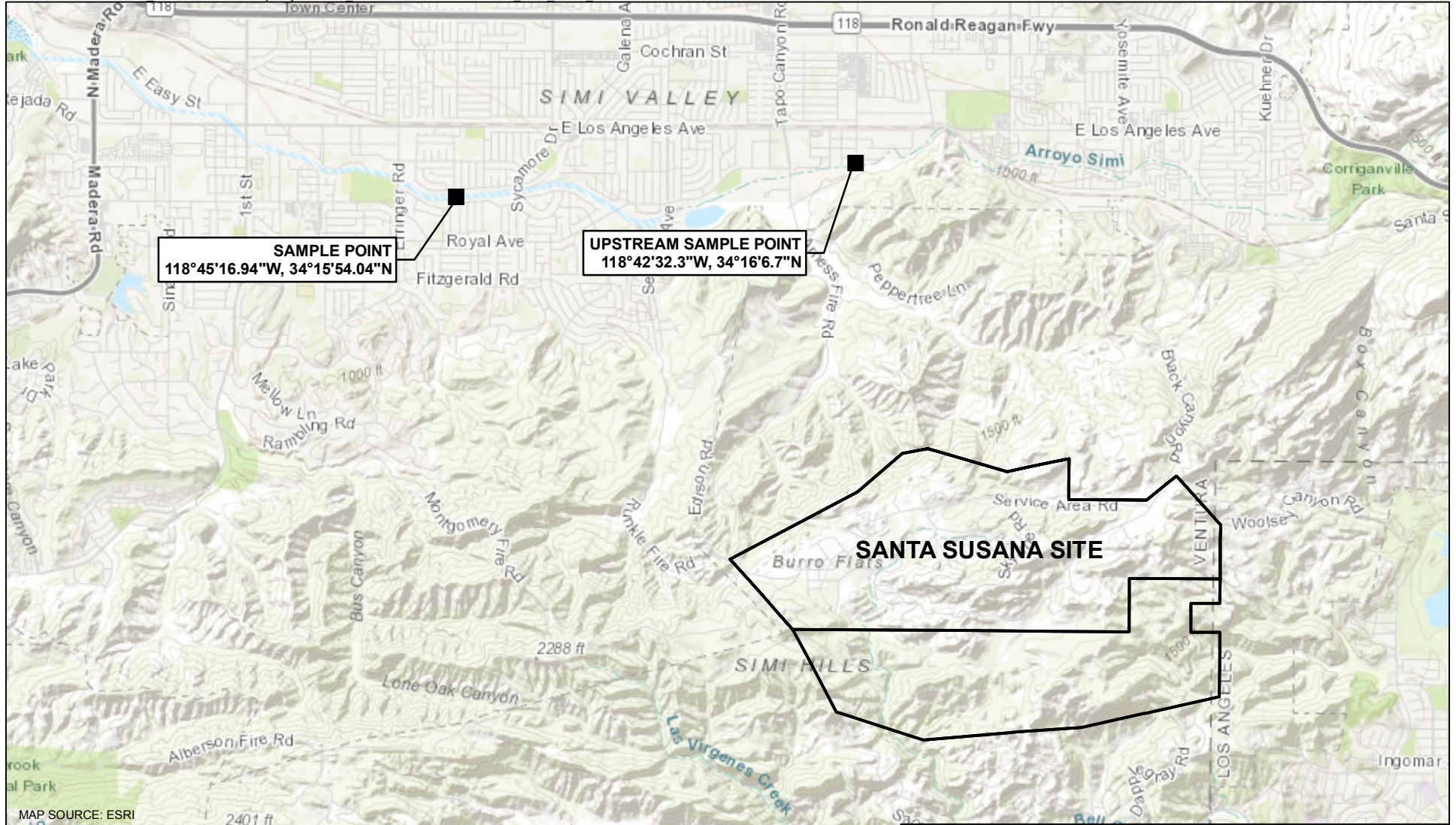
**HALEY ALDRICH**

NPDES PERMIT COMPLIANCE FIRST QUARTER 2018 DISCHARGE MONITORING REPORT THE BOEING COMPANY VENTURA COUNTY, CALIFORNIA

**SITE MAP WITH STORMWATER COLLECTION AND CONVEYANCE SYSTEM AND SITE FEATURES**

MAY 2018 FIGURE 1

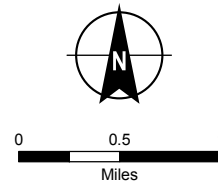
G:\40458\_SSFLL\Global\GIS\MapProjects\2018\_04\2018 Q1 DMRF129095-003\_0001\_OUTFALL\_LOCATIONS.mxd



MAP SOURCE: ESRI

**NOTE**

1. THE SAMPLE POINT IS FOR QUARTERLY WATER QUALITY AND ANNUAL SEDIMENT SAMPLING.
2. THE UPSTREAM SAMPLE POINT LOCATION WAS CHOSEN BASED ON IT BEING UPSTREAM OF ALL POSSIBLE DISCHARGE FROM THE SANTA SUSANA SITE.



**HALEY  
ALDRICH**

NPDES PERMIT COMPLIANCE FIRST QUARTER 2018  
DISCHARGE MONITORING REPORT  
THE BOEING COMPANY  
VENTURA COUNTY, CALIFORNIA

**ARROYO SIMI RECEIVING WATER  
(RSW-002, FRONTIER PARK)  
SAMPLING LOCATION**

MAY 2018

**FIGURE 2**

**APPENDIX A**

**First Quarter 2018 Rainfall Data Summary**

**TABLE A  
DAILY RAINFALL SUMMARY**

**THE BOEING COMPANY  
NPDES PERMIT CA0001309**

Station: AREA 1  
Parameter: Rain  
Month/Year: January 2018

**HR OF THE DAY, PACIFIC STANDARD TIME**

	HR-BEG	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
	HR-END	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
DAY																										
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.01	0.01	0.00	0.01	0.27	0.12	0.12	0.10	0.03	0.00	0.00	0.02	0.01	0.00	0.01	0.75
9	0.09	0.16	0.06	0.08	0.17	0.37	0.10	0.02	0.05	0.16	0.00	0.02	0.14	0.34	0.16	0.01	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	2.03
10	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	d	d	d	d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Flags: d = Off-line part of hour, invalid hour due to semi-annual calibration. For the off-line event, the rain gauge at the former Building 436 confirmed that no rainfall was recorded during hours 06:00-07:00, 07:00-08:00, 08:00-09:00, and 09:00-10:00.

**TABLE A  
DAILY RAINFALL SUMMARY**

**THE BOEING COMPANY  
NPDES PERMIT CA0001309**

Station: AREA 1  
Parameter: Rain  
Month/Year: February 2018

**HOOR OF THE DAY, PACIFIC STANDARD TIME**

	HR-BEG	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
	HR-END	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
	DAY																										Total
	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F	14	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T	26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.06	0.00	0.13
	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
H	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**TABLE A  
DAILY RAINFALL SUMMARY**

**THE BOEING COMPANY  
NPDES PERMIT CA0001309**

Station: AREA 1  
Parameter: Rain  
Month/Year: March 2018

**HOOR OF THE DAY, PACIFIC STANDARD TIME**

	HR-BEG	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
	HR-END	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
DAY																										Total	
D	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.08	0.10	
A	2	0.04	0.04	0.07	0.04	0.08	0.07	0.03	0.10	0.09	0.09	0.11	0.15	0.12	0.09	0.07	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.27
Y	3	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.06	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	
O	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
F	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
T	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
H	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
M	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
O	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
N	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	
T	11	0.02	0.04	0.06	0.09	0.04	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	
H	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
M	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.07	0.18	
O	14	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.01	0.00	0.07	0.30	0.43	
N	15	0.03	0.01	0.05	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	
T	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.04	0.01	0.01	0.03	0.00	0.00	0.12	
H	17	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
M	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
O	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
N	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	
T	21	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.04	0.12	0.30	0.11	0.12	0.31	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47	
H	22	0.00	0.00	0.00	0.02	0.05	0.02	0.03	0.12	0.26	0.16	0.10	0.00	0.03	0.02	0.02	0.01	0.14	0.08	0.02	0.02	0.01	0.01	0.18	0.12	1.42	
M	23	0.03	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	
O	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
N	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
T	26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
H	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
M	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
O	29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
N	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
T	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

**APPENDIX B**

**First Quarter 2018 Waste Shipment Summary Table**

**TABLE B  
LIQUID WASTE SHIPMENTS**

**FIRST QUARTER 2018 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

DATE SHIPPED	MANIFEST OR JOB TRACKING NUMBER	TYPE OF WASTE	QTY.	UNITS	TRANSPORTER 1	TRANSPORTER 2	DESTINATION	GENERATOR		
1/17/2018	011549013FLE	HAZARDOUS WASTE, LIQUID, (TRICHLOROETHYLENE)	125	P	Clean Harbors Environmental Services 42 Longwater Dr. Norwell, MA 02061	n/a	Clean Harbors Aragonite 11600 North Aptus Rd. Grantsville, UT 84029	Boeing		
1/25/2018	NH1705934660	NON HAZARDOUS, NON D.O.T. REGULATED, (WATER)	884	P		Tri-State Motor Transit Co. 8141 E 7th St. Joplin, MO 64801	Clean Harbors Grassy Mountain 3 miles E, 7 miles N of Knolls, UT 81083			
2/7/2018	NH1800583295	NON HAZARDOUS, NON D.O.T. REGULATED, (WATER)	4,866	P						
		NON HAZARDOUS, NON D.O.T. REGULATED, (WATER)	753	P						
	011549248FLE	WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (NITRIC ACID, HYDROCHLORIC ACID)	29	P		Clean Harbors Wilmington 737 East Denni St. Wilmington, CA 90744				
2/21/2018	011778919FLE	HAZARDOUS WASTE, LIQUID, (TRICHLOROETHYLENE)	913	P		n/a	Clean Harbors Aragonite 11600 North Aptus Rd. Grantsville, UT 84029			
	011778920FLE	NON-RCRA HAZARDOUS WASTE, LIQUID, (OIL, WATER)	23	P			Clean Harbors Wilmington 737 East Denni St. Wilmington, CA 90744			
2/28/2018	011779050FLE	NON-RCRA HAZARDOUS WASTE, LIQUIDS, (WATER TREATMENT CHEMICAL AND MINERAL OIL)	950	P			Clean Harbors Grassy Mountain 3 miles E, 7 miles N of Knolls, UT 81083			
3/11/2018	--	NON-HAZARDOUS WASTE, LIQUID	5,000	G			American Integrated Services 1502 E Opp Street Wilmington, CA 90744		Crosby & Overton 1630 W 17th Street Long Beach, CA 90813	DOE
3/12/2018	018446713JJJ	HAZARDOUS WASTE, LIQUID, (TRICHLOROETHYLENE)	380	G			WM EnviroServe 10633 Ruchti Rd. South Gate, CA 90280		US Ecology Vernon 5375 South Boyle Ave. Vernon, CA 90058	NASA



**TABLE B  
LIQUID WASTE SHIPMENTS**

**FIRST QUARTER 2018 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

DATE SHIPPED	MANIFEST OR JOB TRACKING NUMBER	TYPE OF WASTE	QTY.	UNITS	TRANSPORTER 1	TRANSPORTER 2	DESTINATION	GENERATOR
3/14/2018	--	NON-HAZARDOUS WASTE, LIQUID	5,000	G	American Integrated Services 1502 E Opp Street Wilmington, CA 90744	n/a	Crosby & Overton 1630 W 17th Street Long Beach, CA 90813	DOE
3/20/2018	--	NON-HAZARDOUS WASTE, LIQUID	4,800	G				
3/26/2018	--	NON-HAZARDOUS WASTE, LIQUID	205	G				
	011779369FLE	NON-RCRA HAZARDOUS WASTE, LIQUIDS, (DIOCTYL SEBACATE LIQUID)	50	G	Clean Harbors Aragonite 11600 North Aptus Rd. Grantsville, UT 84029	Boeing		
3/28/2018	NH 1801429440	NON HAZARDOUS, NON D.O.T. REGULATED, (WATER)	485	P	Clean Harbors Environmental Services 42 Longwater Dr. Norwell, MA 02061		Clean Harbors Grassy Mountain 3 miles E, 7 miles N of Knolls, UT 81083	
	011779395FLE	HAZARDOUS WASTE, LIQUID, N.O.S., (TRICHLOROETHYLENE)	2,098	P			Clean Harbors Aragonite 11600 North Aptus Rd. Grantsville, UT 84029	
		HAZARDOUS WASTE, LIQUID, N.O.S., (TRICHLOROETHYLENE)	70	P				

**TABLE B  
LIQUID WASTE SHIPMENTS**

**FIRST QUARTER 2018 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

DATE SHIPPED	MANIFEST OR JOB TRACKING NUMBER	TYPE OF WASTE	QTY.	UNITS	TRANSPORTER 1	TRANSPORTER 2	DESTINATION	GENERATOR
1/10/2018	17621	FLUSH WATER WITH TRACE SEWAGE, (HOLDING TANK)	5,000	G	Southwest Processors 4120 Bandini Blvd. Vernon, CA 90058	n/a	Southwest Processors 4120 Bandini Blvd. Vernon, CA 90058	Boeing
	17622	FLUSH WATER WITH TRACE SEWAGE, (CLARIFIER)	5,000	G				
1/23/2018	17692	FLUSH WATER WITH TRACE SEWAGE, (HOLDING TANK)	5,000	G				
	17693	FLUSH WATER WITH TRACE SEWAGE, (CLARIFIER)	5,000	G				
2/13/2018	17814	FLUSH WATER WITH TRACE SEWAGE, (CLARIFIER)	5,000	G				
	17814	FLUSH WATER WITH TRACE SEWAGE, (CLARIFIER)	5,000	G				
		FLUSH WATER WITH TRACE SEWAGE, (CLARIFIER)	5,000	G				
2/27/2018	17920	FLUSH WATER WITH TRACE SEWAGE, (HOLDING TANK)	5,000	G				
	17921	FLUSH WATER WITH TRACE SEWAGE, (HOLDING TANK)	5,000	G				
3/13/2018	17951	FLUSH WATER WITH TRACE SEWAGE, (HOLDING TANK)	5,000	G				
	17952	FLUSH WATER WITH TRACE SEWAGE, (HOLDING TANK)	5,000	G				

**TABLE B  
LIQUID WASTE SHIPMENTS**

**FIRST QUARTER 2018 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

<b>DATE SHIPPED</b>	<b>MANIFEST OR JOB TRACKING NUMBER</b>	<b>TYPE OF WASTE</b>	<b>QTY.</b>	<b>UNITS</b>	<b>TRANSPORTER 1</b>	<b>TRANSPORTER 2</b>	<b>DESTINATION</b>	<b>GENERATOR</b>
3/20/2018	17991	FLUSH WATER WITH TRACE SEWAGE, (CLARIFIER)	5,000	G	Southwest Processors 4120 Bandini Blvd. Vernon, CA 90058	n/a	Southwest Processors 4120 Bandini Blvd. Vernon, CA 90058	Boeing
3/28/2018	18030	FLUSH WATER WITH TRACE SEWAGE, (HOLDING TANK)	5,000	G				
	18032	FLUSH WATER WITH TRACE SEWAGE, (HOLDING TANK)	5,000	G				

Notes:

- P = Pounds
- G = Gallons
- K= Kilograms
- n/a = Not Applicable

**TABLE B  
SOLID WASTE SHIPMENTS**

**FIRST QUARTER 2018 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

DATE SHIPPED	MANIFEST OR JOB TRACKING NUMBER	TYPE OF WASTE	QTY.	UNITS	TRANSPORTER 1	TRANSPORTER 2	DESTINATION	GENERATOR
1/2/2018	NH1706351314	NON HAZARDOUS, NON D.O.T. REGULATED, (DEBRIS/SOIL)	20	Y	Clean Harbors Environmental Services 42 Longwater Dr. Norwell, MA 02061	n/a	Waste Management Antelope Valley Recycling & Disposal 1200 W City Ranch Rd. Palmdale, CA 93551	Boeing
1/17/2018	011549013FLE	HAZARDOUS WASTE, SOLID (TRICHLOROETHYLENE)	32	P			Clean Harbors Aragonite 11600 North Aptus Rd. Grantsville, UT 84029	
		NON-RCRA HAZARDOUS WASTE, SOLID, (POTASSIUM PERMANGANATE RESIDUE)	30	P				
2/5/2018	NH1800544683	NON HAZARDOUS, NON D.O.T. REGULATED MATERIAL, (DEBRIS)	5,435	P			Clean Harbors Grassy Mountain 3 miles E, 7 miles N of Knolls Grantsville, UT 84029	
2/21/2018	011778919FLE	HAZARDOUS WASTE, SOLID, (BENZENE, ALCOHOL, ACETONE)	24	P			Clean Harbors Aragonite 11600 North Aptus Rd. Grantsville, UT 84029	
	NH1800704980-A	NON HAZARDOUS, NON D.O.T. REGULATED MATERIAL, (DEBRIS)	1,062	P			Clean Harbors Grassy Mountain 3 miles E, 7 miles N of Knolls, UT 81083	
		NON HAZARDOUS, NON D.O.T. REGULATED MATERIAL, (DEBRIS)	11	P				
		NON HAZARDOUS, NON D.O.T. REGULATED MATERIAL, (DEBRIS)	55	G				

**TABLE B  
SOLID WASTE SHIPMENTS**

**FIRST QUARTER 2018 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

DATE SHIPPED	MANIFEST OR JOB TRACKING NUMBER	TYPE OF WASTE	QTY.	UNITS	TRANSPORTER 1	TRANSPORTER 2	DESTINATION	GENERATOR
2/21/2018	NH1800704980-B	NON D.O.T. REGULATED MATERIAL, (UNIVERSAL WASTE - LAMPS), (METAL HALIDE BULBS)	8	P	Clean Harbors Environmental Services 42 Longwater Dr. Norwell, MA 02061	n/a	Clean Harbors Wilmington 737 East Denni St. Wilmington, CA 90744	Boeing
		UNIVERSAL WASTE (SODIUM VAPOR BULBS)	6	P			Waste Management Antelope Valley Recycling & Disposal 1200 W City Ranch Rd. Palmdale, CA 93551	
3/1/2018	NH1800957163	NON HAZARDOUS, NON D.O.T. REGULATED, (CONSTRUCTION TRASH)	20	Y	WM EnviroServe 10633 Ruchti Rd. South Gate, CA 90280		Chemical Waste Management KHF 35251 Old Skyline Road Kettleman City, CA 93239	NASA
3/20/2018	018446872JJK	HAZARDOUS WASTE, SOLID, (LEAD)	1,500	P	Clean Harbors Environmental Services 42 Longwater Dr. Norwell, MA 02061		Clean Harbors Grassy Mountain 3 miles E, 7 miles N of Knolls Grantsville, UT 84029	Boeing
3/28/2018	NH1801429206-A	NON-HAZARDOUS, NON D.O.T. REGULATED MATERIAL, (DEBRIS)	40	P			Clean Harbors Wilmington 737 East Denni St. Wilmington, CA 90744	
	NH1801429206-B	BATTERIES, DRY, SEALED, (ALKALINE BATTERIES), (UNIVERSAL WASTE)	26	P		BATTERIES, WET, NON-SPILLABLE, 8, (UNIVERSAL WASTE - BATTERIES)	6	P

**TABLE B  
SOLID WASTE SHIPMENTS**

**FIRST QUARTER 2018 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

DATE SHIPPED	MANIFEST OR JOB TRACKING NUMBER	TYPE OF WASTE	QTY.	UNITS	TRANSPORTER 1	TRANSPORTER 2	DESTINATION	GENERATOR
3/28/2018	011779395FLE	HAZARDOUS WASTE, SOLIDS, N.O.S., (BENZENE, ALCOHOL, ACETONE)	85	P	Clean Harbors Environmental Services 42 Longwater Dr. Norwell, MA 02061	n/a	Clean Harbors Aragonite 11600 North Aptus Rd. Grantsville, UT 84029	Boeing
		NON-RCRA HAZARDOUS WASTE, SOLIDS, (DEBRIS, SULFURIC ACID)	53	P				
	011779396FLE	NON-RCRA HAZARDOUS WASTE, SOLID, (DEBRIS/OIL)	19	P			Clean Harbors Wilmington 737 East Denni St. Wilmington, CA 90744	

Notes:

- P = Pounds
- G = Gallons
- K = Kilos
- Y = Yards
- T = Tons
- n/a = Not Applicable

**TABLE B  
FLAMMABLE WASTE SHIPMENTS**

**FIRST QUARTER 2018 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

<b>DATE SHIPPED</b>	<b>MANIFEST OR JOB TRACKING NUMBER</b>	<b>TYPE OF WASTE</b>	<b>QTY.</b>	<b>UNITS</b>	<b>TRANSPORTER 1</b>	<b>TRANSPORTER 2</b>	<b>DESTINATION</b>	<b>GENERATOR</b>
3/26/2018	011779238FLE	WASTE AEROSOLS	30	P	Clean Harbors Environmental Services 42 Longwater Dr. Norwell, MA 02061	n/a	Clean Harbors El Dorado 309 American Circle El Dorado, AR 71730	DOE
		WASTE FLAMMABLE LIQUIDS, N.O.S., (ISOPROPYL ALCOHOL, OIL-BASED PAINT)	24	p				

Notes:

P = Pounds  
G = Gallons  
n/a = Not Applicable

**APPENDIX C**

**First Quarter 2018 Discharge Monitoring Data Summary Tables**



**REPORTING SUMMARY NOTES  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Not all of the following notes, abbreviations, symbols, or acronyms occur on every table:**

1. TCDD TEQs for the purpose of determining permit compliance are the sum of the products of the detected dioxin congener concentration multiplied by that congener's toxicity equivalency factor (TEF) and bioaccumulation equivalency factor (BEF). The resulting compliance TCDD TEQ does not include those congener concentrations that are reported as DNQ, as specified on page 26 of the NPDES Permit (Water Board, 2015).
2. Temperature, total residual chlorine (TRC), dissolved oxygen (DO), and pH are measured in the field and are not validated.
3. pH and temperature are identified on the table as daily maximum discharge limits. The NPDES Permit Limit has an instantaneous minimum (6.5) and maximum (8.5) for pH and an instantaneous maximum of 86°F for temperature.
4. Exceedances are defined on page 6 of the NPDES Permit as constituents in excess of Daily Maximum Benchmark Limits, Daily Maximum Permit Limits, or Receiving Water Limits. Analytical concentrations or calculations to determine compliance to the NPDES Permit are reported with the same number of significant figures as the Daily Maximum Benchmark Limits, Daily Maximum Permit Limits, or Receiving Water Limits.
5. Priority pollutants, sampled once every five years, at RSW-002 (Arroyo Simi) were analyzed during the First Quarter 2018.
6. Dissolved metals are filtered by the laboratory and reported as "Metal, dissolved". Total metals are not filtered by the laboratory and reported as "Metal".
7. Abbreviations, symbols, and acronyms:

-92.9 +/-200	A negative radiochemical analytical result indicates the count rate of the sample was less than the background condition. Radiological results are presented as activity plus or minus counting uncertainty.
%	Percent.
\$	Reported result or other information was incorrectly reported by the laboratory; result was corrected by the data validator.
--	Based on validation of the data, a qualifier was not required.
-/-	No NPDES Permit Limit established for daily maximum or monthly average.
<(value)	Analyte not detected at a concentration greater than or equal to the Detection Limit (DL), Method Detection Limit (MDL), or laboratory Reporting Limit (RL), see laboratory report for specific detail.
>(value)	Greater than most probable number.
*	Result not validated.
**	Flow for each outfall is calculated over the 24-hour period when the outfall autosampler is operating to collect the composite sample. See definition of "Daily Discharge" on page A-2 of Attachment A of the NPDES Permit.
*1	Improper preservation of sample.

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*2	The inductively coupled plasma (ICP)/Matrix Spike (MS) ppb check standard was recovered above the control limit; therefore, the constituent detected was qualified as estimated (J).
*3	Initial and or continuing calibration recoveries were outside acceptable control limits.
*5	Blank spike/blank spike duplicate relative percent difference was outside the control limit
*10	Value was estimated detect or estimated non detect (J, UJ) due to deficiencies in quantitation of the constituent including constituents reported by the laboratory as Estimated Maximum Possible Concentration (EMPC) values.
*11	No calibration was performed for this compound; result is reported as a tentatively identified compound (TIC).
*II *III	Unusual problems found with the data that have been described in Section II, "sample management", or Section III, "method analysis". The number following the asterisk (*) will indicated the validation report section where a description of the problem can be found.
ANR	Analysis not required; e.g., constituent or outfall was not required by the NPDES Permit to be sampled and analyzed over the reporting period (annual, semi-annual, etc.).
Avg	Average.
B	Laboratory method blank contamination.
BA	Relative percent difference out of control.
BEF	Bioaccumulation equivalency factor.
BU	Analyzed out of holding time.
BV	Sample received after holding time expired.
C	Calibration %RSD (relative standard deviation) or %D (difference) were noncompliant.
Comp	Composite sample type.
C5	Calibration verification %R (recovery) was outside method control limits.
CEs/100 ml	Cell equivalents per 100 milliliters.
D	The analysis with this flag should not be used because another more technically sound analysis is available.
%D	Percent difference between the initial and continuing calibration relative response factors.
deg C	Degrees Celsius.
deg F	Degrees Fahrenheit.
DL	Detection limit.
DNQ	Detected but not quantified (constituent value greater than or equal to the laboratory method detection limit and less than the laboratory reporting limit).
E	E in validation qualifier indicates that duplicates show poor agreement.
F	The analyte was detected in an associated field blank (FB) or equipment blank (EB) as well as in the sample.

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F1	MS and/or MSD Recovery is outside acceptance limits.
ft/sec	Feet per second.
G	Gallons.
gpd	Gallons per day.
H	Holding time was exceeded.
Hardness	Equivalent of calcium carbonate (CaCO <sub>3</sub> ).
Hp	Hepta.
Hx	Hexa.
ICP	Interference check solution results were unsatisfactory.
J	Estimated value.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
J, DX	Estimated value, value < lowest standard (MQL), but > than MDL.
K	The sample dilution's set-up did not meet the oxygen depletion criteria of at least 2 mg/l; therefore, the reported result is an estimated value only.
L	Laboratory control sample %R was outside control limits.
L1	Laboratory Control Standard (LCS)/laboratory control standard duplicate (LCSD) relative percent difference (RPD) was outside the control limit.
L2	The laboratory control sample %R was below the method control limits.
LBS/DAY	Pounds per day.
LCS	Laboratory control standard.
LCSD	Laboratory control standard duplicate.
LQ	LCS/LCSD recovery above method control limits.
M1	MS and/or MSD were above the acceptance limits due to sample matrix interference.
M2	The MS and/or MS duplicate were below the acceptance limits due to sample matrix interference.
Max	Maximum.
MB	Analyte present in the method blank.
MDA/MDC	Minimum detectable activity/minimum detectable concentration.
MDL	Method Detection Limit.
Meas	Measure sample type.
MFL	Million fibers per liter.
MGD	Million gallons per day.
MHA	Due to high level of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information.
mg/L	Milligrams per liter.
mg/kg	Milligrams per kilogram.
ml/L/hr	Milliliters per liter per hour.

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MPN/100 mL	Most probable number per 100 milliliters.
MQL	Method quantitation limit.
MS	Matrix spike.
MSD	Matrix spike duplicate.
mS/cm	MilliSiemens per centimeter
NA	Not applicable; no NPDES Permit Limit established for the constituent and/or outfall or analyte not required per Receiving Water monitoring requirements.
ND	Analyte not detected.
NM	Not measured or determined or MDAs are not calculated as there is no statistical method for combining MDAs.
NTU	Nephelometric turbidity unit.
OCDD	Octa CDD.
OCDF	Octa CDF.
P	Pounds.
pCi/L	PicoCuries per liter.
Pe	Penta.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio; the measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.
Q	Matrix spike recovery outside of control limits.
Q1	MS/MSD RPD was outside the control limit.
R	As a validation qualifier, results are rejected; the presence or absence of analyte cannot be verified.
R	(reason code in parentheses) %R for calibration not within control limits.
RL	Laboratory reporting limit.
RL-1	Reporting limit raised due to sample matrix effects.
RPD	Relative percent difference.
%R	Percent recovery.
%RSD	Percent relative standard deviation.
% survival	Percent survival.
S	Surrogate recovery was outside control limits.
s.u.	Standard Unit.
TCDD	2,3,7,8-tetrachlorodibenzo-p-dioxin.
TCDF	2,3,7,8-tetrachlorodibenzo-p-furan.
TEQ	Toxic equivalent.
TIE	Toxicity identification Evaluation
T	Presumed contamination, as indicated by a detect in the trip blank.
U	Result not detected.

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µg/L (ug/L)	Micrograms per liter.
µg/kg (ug/kg)	Micrograms per kilogram.
µmhos/cm	Micromhos per centimeter.
UJ	Result not detected at the estimated reporting limit.
WHO TEF	World Health Organization toxic equivalency factor.
w/out	Without.
^	Analysis not completed due to hold time exceedance or insufficient sample volume.
#	Per Order No. R4-2015-0033, page 16, Footnote 1. The effluent limitations for total suspended solids and settleable solids are not applicable for discharges during wet weather. During wet weather flow, a discharge event is greater than 0.1 inch of rainfall in a 24-hour period. No more than one sample per week need be obtained during extended periods of rainfall or the discharge of collected stormwater. A storm event must be preceded by at least 72 hours of dry weather.
(1)	Based on the NPDES Permit, table E-3a Footnote 2, Receiving Water samples for pH, hardness, and priority pollutants must be collected on the same day as effluent samples.  Since Outfall 009 grab sample was collected at 1715 on 03/21/2018, it was not possible to sample Arroyo Simi Receiving Water (RSW-002, Frontier Park) during daylight hours and the sample was collected within 24 hours of flow at Outfall 009 when it was safe to do so at 0815 on 03/22/2018.
(2)	Additional sample, not required by the NPDES Permit.
(4.0)3.1/-	Represents (Dry Weather Limit) Wet Weather Limit / Monthly Average Limit.
(3)	Secondary Maximum Contaminant Level.
(4)	The drinking water maximum contaminant level of 3.00E-05 ug/L is for the dioxin congener 2,3,7,8-TCDD. TCDD TEQ w/out DNQ Values is the sum of the products of the detected dioxin congener concentration multiplied by that congener's TEF and BEF. There are 17 dioxin congeners.
(a)	Based on Order No. R4-2015-0033, page 17, Footnote 7, sampling event is a dry discharge. Effluent limitations for Cadmium are not applicable for discharges during dry weather.
(b)	Based on Order No. R4-2015-0033, page 17, Footnote 7, sampling event is a wet discharge. Effluent limitations for Cadmium are applicable for discharges during wet weather.
(c)	Based on Order No. R4-2015-0033, page 16, Footnote 1, sampled during wet weather flow. The effluent limitations for total suspended solids and settleable solids are not applicable for discharges during wet weather.
(d)	Based on Order No. R4-2015-0033, page 16, Footnote 1, sampled during dry weather flow. The effluent limitations for total suspended solids and settleable solids are applicable for discharges during dry weather.
(e)	Based on Order No. R4-2015-0033, page 17, Footnote 8, sampling event is a dry discharge. Effluent limitations for Selenium are applicable for discharges during dry weather discharges.

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(f)	Based on Order No. R4-2015-0033, page 17, Footnote 8, sampling event is a wet discharge. Effluent limitations for Selenium are not applicable for discharges during wet weather.
(g)	The grab sample for Outfall 009 was collected during the first safe hour.
(h)	The laboratory misinterpreted the NPDES Permit and initiated the TIE process, however the initial chronic toxicity result demonstrated compliance with the NPDES Permit.
(i)	The grab sample for Outfall 002 was delayed by an hour due to field error.
(l)	The frequency of Iron at Outfall 002 is increased from once per year to once per discharge until four consecutive sample results demonstrate compliance per the NPDES Permit.
(m)	The frequency of Iron and Manganese at Outfall 001 is increased from once per year to once per discharge until four consecutive sample results demonstrate compliance per the NPDES Permit.
(n)	Analyte does not have a receiving water limit for RSW-001.

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								03/22/2018 14:00 <sup>(f)</sup> - 03/23/2018 10:00	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER	
Flow**	MGD	117.83/-	1/Discharge	1/Quarter	-/-	Meas	0.041759	*	
<b>CONVENTIONAL POLLUTANTS</b>									
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30/-	1/Discharge	NA	-/-	Composite	3.1	--	
Oil & Grease	mg/L	15/-	1/Discharge	NA	-/-	Grab	ND < 1.5	U*	
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	1/Quarter	6.5-8.5/-	Grab	7.16	*	
Total Suspended Solids <sup>#</sup>	mg/L	45/-	1/Discharge	1/Year	-/-	Composite	14 <sup>(c)</sup>	--	
<b>PRIORITY POLLUTANTS</b>									
1,1-Dichloroethene	µg/L	6.0/-	1/Discharge	1/5 Years	-/-	Grab	ND < 0.25	U*	
1,2-Dichloroethane	µg/L	0.5/-	1/Discharge	1/5 Years	-/-	Grab	ND < 0.25	U*	
2,4,6-Trichlorophenol	µg/L	13/-	1/Discharge	1/5 Years	-/-	Composite	ND < 0.478	U*	
2,4-Dinitrotoluene	µg/L	18/-	1/Discharge	1/5 Years	-/-	Composite	ND < 1.91	U*	
alpha-BHC	µg/L	0.03/-	1/Discharge	1/5 Years	-/-	Composite	ND < 0.0024	U*	
Antimony	µg/L	6.0/-	1/Year	1/5 Years	-/-	Composite	ND < 0.50	U	
Arsenic	µg/L	10.0/-	1/Year	1/5 Years	-/-	Composite	ND < 8.9	U	
Beryllium	µg/L	4.0/-	1/Year	1/5 Years	-/-	Composite	ND < 1.0	U	
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0/-	1/Discharge	1/5 Years	-/-	Composite	ND < 1.91	U*	
Cadmium	µg/L	(4.0) 3.1/-	1/Discharge	1/5 Years	-/-	Composite	ND < 0.25 <sup>(b)</sup>	U	
Chromium VI (Hexavalent)	µg/L	16/-	1/Year	1/5 Years	-/-	Composite	ND < 0.25	U	
Copper	µg/L	14/-	1/Discharge	1/5 Years	-/-	Composite	3.4	--	
Cyanide	µg/L	8.5/-	1/Discharge	1/5 Years	-/-	Composite	ND < 2.5	U*	
Lead	µg/L	5.2/-	1/Discharge	1/5 Years	-/-	Composite	0.82	J (DNQ)	
Mercury	µg/L	0.1/-	1/Discharge	1/5 Years	-/-	Composite	ND < 0.10	U	
Nickel	µg/L	94/-	1/Year	1/5 Years	-/-	Composite	ND < 5.0	U	
N-Nitrosodimethylamine	µg/L	16/-	1/Discharge	1/5 Years	-/-	Composite	ND < 0.957	U*	
Pentachlorophenol	µg/L	16.5/-	1/Discharge	1/5 Years	-/-	Composite	ND < 0.957	U*	
Selenium	µg/L	(5) 8.2/-	1/Discharge	1/5 Years	-/-	Composite	ND < 0.50 <sup>(f)</sup>	U	
Silver	µg/L	4.1/-	1/Year	1/5 Years	-/-	Composite	ND < 0.50	U	
Thallium	µg/L	2.0/-	1/Year	1/5 Years	-/-	Composite	ND < 0.50	U	
Trichloroethene	µg/L	5.0/-	1/Discharge	1/5 Years	-/-	Grab	ND < 0.25	U*	
Zinc	µg/L	119/-	1/Discharge	1/5 Years	-/-	Composite	ND < 12	U	
<b>NON-CONVENTIONAL POLLUTANTS</b>									
Ammonia – N	mg/L	10.1/-	1/Discharge	NA	-/-	Composite	ND < 0.100	U*	
Barium	mg/L	1.0/-	1/Year	NA	-/-	Composite	0.038	--	
Chloride	mg/L	150/-	1/Discharge	NA	-/-	Composite	12	--	

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							03/22/2018 14:00 <sup>(1)</sup> - 03/23/2018 10:00	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Chlorine, Total Residual	mg/L	0.1/-	1/Year	NA	-/-	Grab	0.07	*
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	NA	-/-	Composite	Pass, 14.38	--
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	NA	-/-	Composite	0.087	J (DNQ)
Fluoride	mg/L	1.6/-	1/Year	NA	-/-	Composite	ND < 0.25	U*
Iron	mg/L	0.3/-	1/Discharge <sup>(1)</sup>	NA	-/-	Composite	2.1	--
Manganese	µg/L	50/-	1/Year	NA	-/-	Composite	32	--
Nitrate - N	mg/L	8/-	1/Discharge	NA	-/-	Composite	0.70	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	NA	-/-	Composite	0.70	--
Nitrite - N	mg/L	1/-	1/Discharge	NA	-/-	Composite	ND < 0.070	U*
Perchlorate	µg/L	6.0/-	1/Discharge	NA	-/-	Composite	ND < 0.95	U*
Settleable Solids <sup>#</sup>	ml/L	0.3/-	1/Discharge	NA	-/-	Grab	0.10	*
Sulfate	mg/L	300/-	1/Discharge	NA	-/-	Composite	85	--
Temperature (Field)	Deg F	86/-	1/Discharge	1/Quarter	-/-	Grab	56.03	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	NA	-/-	Composite	290	--
<b>REMAINING PRIORITY POLLUTANTS</b>								
1,1,1-Trichloroethane	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
1,1,2-Trichloroethane	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
1,1-Dichloroethane	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.478	U*
1,2-Dichlorobenzene	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
1,2-Dichlorobenzene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.191	U*
1,2-Dichloropropane	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.478	U*
1,3-Dichlorobenzene	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
1,3-Dichlorobenzene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.191	U*
1,4-Dichlorobenzene	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
1,4-Dichlorobenzene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.191	U*
2,4-Dichlorophenol	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.957	U*
2,4-Dimethylphenol	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.957	U*
2,4-Dinitrophenol	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 1.91	U*
2,6-Dinitrotoluene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 1.91	U*
2-Chloroethyl vinyl ether	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 1.0	U*

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							03/22/2018 14:00 <sup>(1)</sup> - 03/23/2018 10:00	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
2-Chloronaphthalene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.191	U*
2-Chlorophenol	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.478	U*
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 1.91	U*
2-Nitrophenol	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.957	U*
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 1.91	U*
4,4'-DDD	µg/L	-/-	1/Year	1/Quarter	0.0014/-	Composite	ND < 0.0039	U*
4,4'-DDE	µg/L	-/-	1/Year	1/Quarter	0.001/-	Composite	ND < 0.0029	U*
4,4'-DDT	µg/L	-/-	1/Year	1/Quarter	0.001/-	Composite	ND < 0.0039	U*
4-Bromophenyl phenyl ether	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.478	U*
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.191	U*
4-Chlorophenyl phenyl ether	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.191	U*
4-Nitrophenol	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 1.91	U*
Acenaphthene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.191	U*
Acenaphthylene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.191	U*
Acrolein	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 2.5	U*
Acrylonitrile	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 1.0	U*
Aldrin	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.0015	U*
alpha-Endosulfan	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.0029	U*
Anthracene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.191	U*
Aroclor 1016	µg/L	-/-	1/Year	1/Quarter	0.0003/-	Composite	ND < 0.24	U*
Aroclor 1221	µg/L	-/-	1/Year	1/Quarter	0.0003/-	Composite	ND < 0.24	U*
Aroclor 1232	µg/L	-/-	1/Year	1/Quarter	0.0003/-	Composite	ND < 0.24	U*
Aroclor 1242	µg/L	-/-	1/Year	1/Quarter	0.0003/-	Composite	ND < 0.24	U*
Aroclor 1248	µg/L	-/-	1/Year	1/Quarter	0.0003/-	Composite	ND < 0.24	U*
Aroclor 1254	µg/L	-/-	1/Year	1/Quarter	0.0003/-	Composite	ND < 0.24	U*
Aroclor 1260	µg/L	-/-	1/Year	1/Quarter	0.0003/-	Composite	ND < 0.24	U*
Benzene	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
Benzidine	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 4.78	U*
Benzo(a)anthracene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 1.91	U*
Benzo(a)pyrene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.478	U*
Benzo(b)fluoranthene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.957	U*
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 1.91	U*
Benzo(k)fluoranthene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.239	U*
beta-BHC	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.0039	U*
beta-Endosulfan	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.0019	U*

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January 1 through March 31, 2018

							03/22/2018 14:00 <sup>(1)</sup> - 03/23/2018 10:00	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.191	U*
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.191	U*
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.191	U*
Bromoform	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.40	U*
Bromomethane	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
Butyl benzylphthalate	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 1.91	U*
Carbon Tetrachloride	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
Chlordane	µg/L	-/-	1/Year	1/Quarter	0.001/-	Composite	ND < 0.078	U*
Chlorodibromomethane	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
Chlorobenzene	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
Chloroethane	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.40	U*
Chloroform (Trichloromethane)	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
Chloromethane (Methyl Chloride)	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
Chromium	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	3.0	J (DNQ)
Chrysene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.191	U*
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
delta-BHC	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.0034	U*
Dibenz(a,h)anthracene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.239	U*
Dibromochloromethane	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
Dieldrin	µg/L	-/-	1/Year	1/Quarter	0.0002/-	Composite	ND < 0.0019	U*
Diethyl phthalate	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.478	U*
Dimethyl phthalate	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.239	U*
Di-n-butyl phthalate	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.957	U*
Di-n-octyl phthalate	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 1.91	U*
Endosulfan Sulfate	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.0029	U*
Endrin	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.0019	U*
Endrin Aldehyde	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.0019	U*
Ethylbenzene	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
Fluoranthene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.191	U*
Fluorene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.191	U*
gamma-BHC (Lindane)	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.0029	U*
Heptachlor	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.0029	U*
Heptachlor Epoxide	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.0024	U*
Hexachlorobenzene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.478	U*
Hexachlorobutadiene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.478	U*

See reporting summary notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2018 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2018

							03/22/2018 14:00 <sup>(1)</sup> - 03/23/2018 10:00	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 1.91	U*
Hexachloroethane	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.478	U*
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.957	U*
Isophorone	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.478	U*
m,p-Xylenes	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.50	U*
Methylene chloride	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.88	U*
Naphthalene	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.40	U*
Naphthalene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.478	U*
Nitrobenzene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.478	U*
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.957	U*
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.478	U*
o-Xylene	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
Phenanthrene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.191	U*
Phenol	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.478	U*
Pyrene	µg/L	-/-	1/Year	1/5 Years	-/-	Composite	ND < 0.191	U*
Tetrachloroethene	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
Toluene	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
Toxaphene	µg/L	-/-	1/Year	1/Quarter	0.0003/-	Composite	ND < 0.24	U*
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
Trichlorofluoromethane	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
Vinyl chloride	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.25	U*
Xylenes (Total)	µg/L	-/-	1/Year	1/5 Years	-/-	Grab	ND < 0.50	U*
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/Quarter	NA	-/-	Grab	ND < 0.50	U*
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-/-	1/Year	NA	-/-	Grab	ND < 1.0	U*
1,4-Dioxane	µg/L	-/-	1/Year	NA	-/-	Composite	ND < 0.50	U*
Boron	mg/L	-/-	1/Year	NA	-/-	Composite	0.074	--
cis-1,2-Dichloroethene	µg/L	-/-	1/Year	NA	-/-	Grab	ND < 0.25	U*
Cobalt	µg/L	-/-	1/Year	NA	-/-	Composite	ND < 5.0	U
Conductivity	µmhos/cm	-/-	1/Discharge	NA	-/-	Grab	400	--
Cyclohexane	µg/L	-/-	1/Year	NA	-/-	Grab	ND < 1.0	U*
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	NA	-/-	Grab	0.18	J+ (DNQ, *III)
Dissolved Oxygen	mg/L	-/-	1/Discharge	NA	-/-	Grab	8.24	*
E. Coli	mpn/100mL	-/-	1/Year	1/Year	235/-	Grab	280	J (H)

See reporting summary notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2018 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2018

							03/22/2018 14:00 <sup>(1)</sup> - 03/23/2018 10:00	
ANALYTE	UNITS	Permit Limit Max/Monthly Avg	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	NA	-/-	Grab	ND < 0.025	U
Hardness (as CaCO3)	mg/L	-/-	1/Year	1/Quarter	-/-	Composite	120	--
Monomethyl hydrazine	µg/L	-/-	1/Year	NA	-/-	Composite	ND < 0.25	U*
Total Organic Carbon	mg/L	-/-	1/Year	NA	-/-	Composite	17	--
Turbidity	NTU	-/-	1/Discharge	NA	-/-	Composite	54	--
Vanadium	µg/L	-/-	1/Year	NA	-/-	Composite	ND < 5.0	U
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>								
Antimony, dissolved	µg/L	-/-	Additional/Year	NA	-/-	Composite	ND < 1.0	U (B)
Arsenic, dissolved	µg/L	-/-	Additional/Year	NA	-/-	Composite	ND < 8.9	U
Barium, dissolved	mg/L	-/-	Additional/Year	NA	-/-	Composite	0.026	--
Beryllium, dissolved	µg/L	-/-	Additional/Year	NA	-/-	Composite	ND < 1.0	U
Boron, dissolved	mg/L	-/-	Additional/Year	NA	-/-	Composite	0.076	--
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	NA	-/-	Composite	ND < 0.25	U
Chromium, dissolved	µg/L	-/-	Additional/Year	NA	-/-	Composite	ND < 2.5	U
Cobalt, dissolved	µg/L	-/-	Additional/Year	NA	-/-	Composite	ND < 5.0	U
Copper, dissolved	µg/L	-/-	Additional/Discharge	NA	-/-	Composite	2.4	--
Hardness, dissolved (as CaCO3)	mg/L	-/-	Additional/Year	NA	-/-	Composite	120	--
Human Bacteroides	CEs/100mL	-/-	Additional/Year	NA	-/-	Grab	Detected	DNQ*
Iron, dissolved	mg/L	-/-	Additional/Discharge <sup>(1)</sup>	NA	-/-	Composite	0.14	--
Lead, dissolved	µg/L	-/-	Additional/Discharge	NA	-/-	Composite	ND < 0.50	U
Manganese, dissolved	µg/L	-/-	Additional/Year	NA	-/-	Composite	ND < 15	U
Mercury, dissolved	µg/L	-/-	Additional/Discharge	NA	-/-	Composite	ND < 0.10	U
Nickel, dissolved	µg/L	-/-	Additional/Year	NA	-/-	Composite	ND < 5.0	U
Selenium, dissolved	µg/L	-/-	Additional/Discharge	NA	-/-	Composite	0.66	J (DNQ)
Silver, dissolved	µg/L	-/-	Additional/Year	NA	-/-	Composite	ND < 0.50	U
Thallium, dissolved	µg/L	-/-	Additional/Year	NA	-/-	Composite	ND < 0.50	U
Vanadium, dissolved	µg/L	-/-	Additional/Year	NA	-/-	Composite	ND < 5.0	U
Zinc, dissolved	µg/L	-/-	Additional/Discharge	NA	-/-	Composite	ND < 12	U

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2018 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2018  
 Sample Date 03/22/2018 10:00

ANALYTE	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	LABORATORY/ VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (µg/L)
1,2,3,4,6,7,8-HpCDD	1/Discharge	1/Year	3.5E-07	4.8E-05	1.2E-05	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1/Year	2.9E-07	4.8E-05	3.3E-06	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1/Year	3.6E-07	4.8E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1/Year	3.9E-07	4.8E-05	2.1E-06	U (B)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1/Year	5.6E-07	4.8E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1/Year	3.5E-07	4.8E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1/Year	5.6E-07	4.8E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1/Year	3.5E-07	4.8E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1/Year	3.3E-07	4.8E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	1/Year	3.8E-07	4.8E-05	ND	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	1/Year	3.3E-07	4.8E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1/Year	4.0E-07	4.8E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	1/Year	3.5E-07	4.8E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	1/Year	3.0E-07	9.5E-06	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	1/Year	2.9E-07	9.5E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	1/Year	3.8E-07	9.5E-05	1.5E-04	--	0.0001	0.01	1.5E-10
OCDF	1/Discharge	1/Year	3.8E-07	9.5E-05	1.3E-05	U (B)	0.0001	0.02	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	1.5E-10
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT<sup>(n)</sup> = 2.8E-08

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2018 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2018

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	03/23/2018 10:00 (Composite)		
						RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Gross Alpha	pCi/L	15/-	1/Discharge	NA	-/-	3.73 +/- 1.64	1.99	*
Gross Beta	pCi/L	50/-	1/Discharge	NA	-/-	2.67 +/- 0.822	0.934	*
Combined Radium-226 & Radium-228	pCi/L	5.0/-	1/Discharge	NA	-/-	0.558 +/- 0.302	NM	UJ (C,\$)
Strontium-90	pCi/L	8.0/-	1/Discharge	NA	-/-	0.214 +/- 0.200	0.322	U*
Tritium	pCi/L	20,000/-	1/Discharge	NA	-/-	-210 +/- 181	358	U*
<b>ADDITIONAL POLLUTANTS</b>								
Cesium-137	pCi/L	200/-	1/Discharge	NA	-/-	-2.93 +/- 10.7	12.4	U*
Uranium	pCi/L	20/-	1/Discharge	NA	-/-	1.38 +/- 0.849	0.736	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>								
Potassium-40	pCi/L	-/-	1/Discharge	NA	-/-	-53.3 +/- 158	211	U*

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2018 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January through March 31, 2018

				03/22/2018 14:00 <sup>(1)</sup> - 03/23/2018 10:00 (Grab & Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	0.041759	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481/-	1/Discharge	Composite	1.1	--
Oil & Grease	LBS/DAY	14,741/-	1/Discharge	Grab	ND	U*
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222/-	1/Discharge	Composite	4.9 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9/-	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49/-	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8/-	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7/-	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03/-	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9/-	1/Year	Composite	ND	U
Arsenic	LBS/DAY	9.83/-	1/Year	Composite	ND	U
Beryllium	LBS/DAY	3.93/-	1/Year	Composite	ND	U
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93/-	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05/-	1/Discharge	Composite	ND <sup>(b)</sup>	U
Chromium VI	LBS/DAY	15.72/-	1/Year	Composite	ND	U
Copper	LBS/DAY	13.76/-	1/Discharge	Composite	0.0012	--
Cyanide	LBS/DAY	8.35/-	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11/-	1/Discharge	Composite	0.00029	J (DNQ)
Mercury	LBS/DAY	0.1/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4/-	1/Year	Composite	ND	U
N-Nitrosodimethylamine	LBS/DAY	15.72/-	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22/-	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06/-	1/Discharge	Composite	ND <sup>(f)</sup>	U
Silver	LBS/DAY	4.03/-	1/Year	Composite	ND	U
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	5.22E-14	--
Thallium	LBS/DAY	1.97/-	1/Year	Composite	ND	U
Trichloroethene	LBS/DAY	4.91/-	1/Discharge	Grab	ND	U*
Zinc	LBS/DAY	117/-	1/Discharge	Composite	ND	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3/-	1/Discharge	Composite	ND	U*
Barium	LBS/DAY	983/-	1/Year	Composite	0.013	--
Chloride	LBS/DAY	147,405/-	1/Discharge	Composite	4.2	--
Chlorine, Total Residual	LBS/DAY	98.3/-	1/Year	Grab	0.02	*
Detergents (as MBAS)	LBS/DAY	491.4/-	1/Discharge	Composite	0.030	J (DNQ)
Fluoride	LBS/DAY	1,572.3/-	1/Year	Composite	ND	U*
Iron	LBS/DAY	295/-	1/Discharge <sup>(1)</sup>	Composite	0.7	--
Manganese	LBS/DAY	49.1/-	1/Year	Composite	0.011	--
Nitrate - N	LBS/DAY	7,862/-	1/Discharge	Composite	0.24	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862/-	1/Discharge	Composite	0.24	--
Nitrite - N	LBS/DAY	983/-	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9/-	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	294,810/-	1/Discharge	Composite	30	--
Total Dissolved Solids	LBS/DAY	933,567/-	1/Discharge	Composite	101	--

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2018 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2018

				03/21/2018 17:15 <sup>(g)</sup> - 03/22/2018 15:30		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/VALIDATION QUALIFIER
Flow**	MGD	64.33/-	1/Discharge	Meas	0.755407	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.4	U*
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	6.60	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0/-	1/Discharge	Composite	0.69	J (DNQ)
Cadmium	µg/L	4.0/-	1/Discharge	Composite	ND < 0.25	U
Copper	µg/L	13/-	1/Discharge	Composite	5.8	--
Cyanide	µg/L	9.5/-	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2/-	1/Discharge	Composite	2.1	--
Mercury	µg/L	0.13/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	86/-	1/Discharge	Composite	ND < 5.0	U
Thallium	µg/L	2.0/-	1/Discharge	Composite	ND < 0.50	U
Zinc	µg/L	120/-	1/Discharge	Composite	ND < 12	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0/-	1/Year	Composite	0.041	J (DNQ)
Chloride	mg/L	150/-	1/Discharge	Composite	2.3	J- (R)
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Fail, 35.62	--
Chronic Toxicity, Confirmation for TIE	Pass or Fail and % Effect	Pass or % Effect <50	As Needed	Composite	Pass, 8.12 <sup>(h)</sup>	--
Fluoride	mg/L	1.6/-	1/Year	Composite	ND < 0.25	U*
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1/Discharge	Composite	0.42	J- (R)
Perchlorate	µg/L	6.0/-	1/Semiannual	Composite	ND < 0.95	U*
Sulfate	mg/L	250/-	1/Discharge	Composite	2.7	--
Temperature (Field)	deg F	86/-	1/Discharge	Grab	55.44	*
Total Dissolved Solids	mg/L	850/-	1/Discharge	Composite	75	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
1,1,2-Trichloroethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U*



OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2018 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2018

				03/21/2018 17:15 <sup>(9)</sup> - 03/22/2018 15:30		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/VALIDATION QUALIFIER
1,1-Dichloroethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
1,1-Dichloroethene	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.478	U*
1,2-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
1,2-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.191	U*
1,2-Dichloroethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
1,2-Dichloropropane	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	Composite	ND < 0.478	U*
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.191	U*
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.191	U*
2,4,6-Trichlorophenol	µg/L	-/-	1/Year	Composite	ND < 0.478	U*
2,4-Dichlorophenol	µg/L	-/-	1/Year	Composite	ND < 0.957	U*
2,4-Dimethylphenol	µg/L	-/-	1/Year	Composite	ND < 0.957	U*
2,4-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 1.91	U*
2,4-Dinitrotoluene	µg/L	-/-	1/Year	Composite	ND < 1.91	U*
2,6-Dinitrotoluene	µg/L	-/-	1/Year	Composite	ND < 1.91	U*
2-Chloroethyl vinyl ether	µg/L	-/-	1/Year	Grab	ND < 1.0	U*
2-Chloronaphthalene	µg/L	-/-	1/Year	Composite	ND < 0.191	U*
2-Chlorophenol	µg/L	-/-	1/Year	Composite	ND < 0.478	U*
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 1.91	U*
2-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 0.957	U*
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	Composite	ND < 1.91	U*
4,4'-DDD	µg/L	-/-	1/Year	Composite	ND < 0.0038	U*
4,4'-DDE	µg/L	-/-	1/Year	Composite	ND < 0.0029	U*
4,4'-DDT	µg/L	-/-	1/Year	Composite	ND < 0.0038	U*
4-Bromophenyl phenyl ether	µg/L	-/-	1/Year	Composite	ND < 0.478	U*
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	Composite	ND < 0.191	U*
4-Chlorophenyl phenyl ether	µg/L	-/-	1/Year	Composite	ND < 0.191	U*
4-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 1.91	U*

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2018 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2018

				03/21/2018 17:15 <sup>(9)</sup> - 03/22/2018 15:30		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/VALIDATION QUALIFIER
Acenaphthene	µg/L	-/-	1/Year	Composite	ND < 0.191	U*
Acenaphthylene	µg/L	-/-	1/Year	Composite	ND < 0.191	U*
Acrolein	µg/L	-/-	1/Year	Grab	ND < 2.5	U*
Acrylonitrile	µg/L	-/-	1/Year	Grab	ND < 1.0	U*
Aldrin	µg/L	-/-	1/Year	Composite	ND < 0.0014	U*
alpha-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0024	U*
alpha-Endosulfan	µg/L	-/-	1/Year	Composite	ND < 0.0029	U*
Anthracene	µg/L	-/-	1/Year	Composite	ND < 0.191	U*
Aroclor 1016	µg/L	-/-	1/Year	Composite	ND < 0.24	U*
Aroclor 1221	µg/L	-/-	1/Year	Composite	ND < 0.24	U*
Aroclor 1232	µg/L	-/-	1/Year	Composite	ND < 0.24	U*
Aroclor 1242	µg/L	-/-	1/Year	Composite	ND < 0.24	U*
Aroclor 1248	µg/L	-/-	1/Year	Composite	ND < 0.24	U*
Aroclor 1254	µg/L	-/-	1/Year	Composite	ND < 0.24	U*
Aroclor 1260	µg/L	-/-	1/Year	Composite	ND < 0.24	U*
Arsenic	µg/L	-/-	1/Year	Composite	ND < 8.9	U
Asbestos	MFL	-/-	1/Year	Composite	ND < 1.00	UJ (H)
Benzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
Benzidine	µg/L	-/-	1/Year	Composite	ND < 4.78	U*
Benzo(a)anthracene	µg/L	-/-	1/Year	Composite	ND < 1.91	U*
Benzo(a)pyrene	µg/L	-/-	1/Year	Composite	ND < 0.478	U*
Benzo(b)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 0.957	U*
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	Composite	ND < 1.91	U*
Benzo(k)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 0.239	U*
Beryllium	µg/L	-/-	1/Year	Composite	ND < 1.0	U
beta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0038	U*
beta-Endosulfan	µg/L	-/-	1/Year	Composite	ND < 0.0019	U*
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	Composite	ND < 0.191	U*
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	Composite	ND < 0.191	U*
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	Composite	ND < 0.191	U*
Bis (2-Ethylhexyl) Phthalate	µg/L	-/-	1/Year	Composite	ND < 1.91	U*

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2018 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2018

				03/21/2018 17:15 <sup>(9)</sup> - 03/22/2018 15:30		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/VALIDATION QUALIFIER
Bromoform	µg/L	-/-	1/Year	Grab	ND < 0.40	U*
Bromomethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
Butyl benzylphthalate	µg/L	-/-	1/Year	Composite	ND < 1.91	U*
Carbon Tetrachloride	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
Chlordane	µg/L	-/-	1/Year	Composite	ND < 0.077	U*
Chlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
Chlorodibromomethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
Chloroethane	µg/L	-/-	1/Year	Grab	ND < 0.40	U*
Chloroform (Trichloromethane)	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
Chloromethane (Methyl Chloride)	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
Chromium	µg/L	-/-	1/Year	Composite	ND < 2.5	U
Chromium VI (Hexavalent)	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Chrysene	µg/L	-/-	1/Year	Composite	ND < 0.191	U*
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
delta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0033	U*
Dibenz(a,h)anthracene	µg/L	-/-	1/Year	Composite	ND < 0.239	U*
Dibromochloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
Dieldrin	µg/L	-/-	1/Year	Composite	ND < 0.0019	U*
Diethyl phthalate	µg/L	-/-	1/Year	Composite	ND < 0.478	U*
Dimethyl phthalate	µg/L	-/-	1/Year	Composite	ND < 0.239	U*
Di-n-butyl phthalate	µg/L	-/-	1/Year	Composite	ND < 0.957	U*
Di-n-octyl phthalate	µg/L	-/-	1/Year	Composite	ND < 1.91	U*
Endosulfan Sulfate	µg/L	-/-	1/Year	Composite	ND < 0.0029	U*
Endrin	µg/L	-/-	1/Year	Composite	ND < 0.0019	U*
Endrin Aldehyde	µg/L	-/-	1/Year	Composite	ND < 0.0019	U*
Ethylbenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
Fluoranthene	µg/L	-/-	1/Year	Composite	ND < 0.191	U*
Fluorene	µg/L	-/-	1/Year	Composite	ND < 0.191	U*
gamma-BHC (Lindane)	µg/L	-/-	1/Year	Composite	ND < 0.0029	U*
Heptachlor	µg/L	-/-	1/Year	Composite	ND < 0.0029	U*
Heptachlor Epoxide	µg/L	-/-	1/Year	Composite	ND < 0.0024	U*

See reporting summary notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2018 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2018

				03/21/2018 17:15 <sup>(9)</sup> - 03/22/2018 15:30		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/VALIDATION QUALIFIER
Hexachlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.478	U*
Hexachlorobutadiene	µg/L	-/-	1/Year	Composite	ND < 0.478	U*
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	Composite	ND < 1.91	U*
Hexachloroethane	µg/L	-/-	1/Year	Composite	ND < 0.478	U*
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	Composite	ND < 0.957	U*
Isophorone	µg/L	-/-	1/Year	Composite	ND < 0.478	U*
Methylene chloride	µg/L	-/-	1/Year	Grab	ND < 0.88	U*
Naphthalene	µg/L	-/-	1/Year	Grab	ND < 0.40	U*
Naphthalene	µg/L	-/-	1/Year	Composite	ND < 0.478	U*
Nitrobenzene	µg/L	-/-	1/Year	Composite	ND < 0.478	U*
N-Nitrosodimethylamine	µg/L	-/-	1/Year	Composite	ND < 0.957	U*
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	Composite	ND < 0.957	U*
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	Composite	ND < 0.478	U*
Pentachlorophenol	µg/L	-/-	1/Year	Composite	ND < 0.957	U*
Phenanthrene	µg/L	-/-	1/Year	Composite	ND < 0.191	U*
Phenol	µg/L	-/-	1/Year	Composite	ND < 0.478	U*
Pyrene	µg/L	-/-	1/Year	Composite	ND < 0.191	U*
Tetrachloroethene	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
Toluene	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
Toxaphene	µg/L	-/-	1/Year	Composite	ND < 0.24	U*
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
Trichloroethene	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
Trichlorofluoromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
Vinyl chloride	µg/L	-/-	1/Year	Grab	ND < 0.25	U*
Xylenes (Total)	µg/L	-/-	1/Year	Grab	ND < 0.50	U*
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-/-	1/Year	Composite	800	J+ (Q)
Chlorpyrifos	µg/L	-/-	1/Year	Composite	ND < 0.0069	U
Diazinon	µg/L	-/-	1/Year	Composite	ND < 0.0052	U
E. Coli	MPN/100mL	-/-	1/Year	Grab	390	--

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2018 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2018

					03/21/2018 17:15 <sup>(9)</sup> - 03/22/2018 15:30	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/VALIDATION QUALIFIER
Hardness (as CaCO <sub>3</sub> )	mg/L	-/-	1/Year	Composite	20	--
Iron	mg/L	-/-	1/Year	Composite	0.77	--
Selenium	µg/L	-/-	1/Discharge	Composite	ND < 0.50	U
Silver	µg/L	-/-	1/Discharge	Composite	ND < 0.50	U
Total Suspended Solids	mg/L	-/-	1/Year	Composite	9.0	--
Vanadium	µg/L	-/-	1/Year	Composite	ND < 5.0	U
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Aluminum, dissolved	µg/L	-/-	Additional/Year	Composite	140	--
Antimony, dissolved	µg/L	-/-	Additional/Discharge	Composite	1.3	J (DNQ)
Arsenic, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 8.9	U
Beryllium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 1.0	U
Boron, dissolved	mg/L	-/-	Additional/Year	Composite	0.044	J (DNQ)
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	U
Chromium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 2.5	U
cis-1,2-Dichloroethene	µg/L	-/-	Additional/Year	Grab	ND < 0.25	U*
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	4.9	--
Hardness, dissolved (as CaCO <sub>3</sub> )	mg/L	-/-	Additional/Year	Composite	19	--
Human Bacteroides	CEs/100mL	-/-	Additional/Year	Grab	ND	U*
Iron, dissolved	mg/L	-/-	Additional/Year	Composite	0.16	--
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	0.52	J (DNQ)
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	U
Nickel, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 5.0	U
Nitrate - N	mg/L	-/-	Additional/Discharge	Composite	0.42	J- (R)
Nitrite - N	mg/L	-/-	Additional/Discharge	Composite	ND < 0.070	U*
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	U
Silver, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	U
Thallium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	U
Vanadium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	U
Zinc, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 12	U

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2018 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2018

Sample Date: 03/22/2018 15:30

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	LABORATORY /VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (µg/L)
1,2,3,4,6,7,8-HpCDD	1/Discharge	4.90E-07	5.00E-05	1.70E-05	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	4.00E-07	5.00E-05	4.10E-06	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	5.10E-07	5.00E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	4.40E-07	5.00E-05	2.20E-06	U (B)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	8.10E-07	5.00E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	4.10E-07	5.00E-05	1.40E-06	U (B)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	8.00E-07	5.00E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	4.00E-07	5.00E-05	9.50E-07	U (B)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	4.90E-07	5.00E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	5.10E-07	5.00E-05	ND	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	4.20E-07	5.00E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	5.80E-07	5.00E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	4.60E-07	5.00E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	4.00E-07	1.00E-05	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	3.80E-07	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1/Discharge	4.20E-07	1.00E-04	2.00E-04	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	4.70E-07	1.00E-04	1.60E-05	U (B)	0.0001	0.02	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2018 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2018

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	03/22/2018 15:30 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	0.967 +/- 0.849	1.31	U*
Gross Beta	pCi/L	50/-	1/Discharge	2.80 +/- 0.822	0.976	*
Combined Radium-226 & Radium-228	pCi/L	5.0/-	1/Discharge	0.412 +/- 0.238	NM	UJ (C,\$)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.322 +/- 0.203	0.308	*
Tritium	pCi/L	20,000/-	1/Discharge	-140 +/- 188	361	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	2.73 +/- 7.48	12.8	U*
Uranium	pCi/L	20/-	1/Discharge	0.0411 +/- 0.715	1.30	U*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	51.8 +/- 148	197	U*

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2018 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January through March 31, 2018

					03/21/2018 17:15 <sup>(g)</sup> - 03/22/2018 15:30 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33/-	1/Discharge	Meas	0.755407	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	8,048/-	1/Discharge	Grab	ND	U*
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	3.22/-	1/Discharge	Composite	0.0043	J (DNQ)
Cadmium	LBS/DAY	2.15/-	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7/-	1/Discharge	Composite	0.037	--
Cyanide	LBS/DAY	5.1/-	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	2.8/-	1/Discharge	Composite	0.0132	--
Mercury	LBS/DAY	0.07/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	46.14/-	1/Discharge	Composite	ND	U
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	1.5E-08/-	1/Discharge	Composite	ND	--
Thallium	LBS/DAY	1.1/-	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	64.4/-	1/Discharge	Composite	ND	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537/-	1/Year	Composite	0.26	J (DNQ)
Chloride	LBS/DAY	80,477/-	1/Discharge	Composite	14.49	J- (R)
Fluoride	LBS/DAY	858-	1/Year	Composite	ND	U*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365/-	1/Discharge	Composite	2.65	J- (R)
Perchlorate	LBS/DAY	3.22/-	1/Semiannual	Composite	ND	U*
Sulfate	LBS/DAY	134,128/-	1/Discharge	Composite	17.01	--
Total Dissolved Solids	LBS/DAY	456,034/-	1/Discharge	Composite	472.51	--



ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2018 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2018

ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	SAMPLE TYPE	03/21/2018 08:15 <sup>(1)</sup>		03/30/2018 08:45	
					RESULT	LABORATORY /VALIDATION QUALIFIER	RESULT	LABORATORY /VALIDATION QUALIFIER
<b>POLLUTANTS WITH LIMITS</b>								
4,4'-DDD	µg/L	0.0014/-	1/Quarter	Grab	ND < 0.0041	U	ANR	ANR
4,4'-DDE	µg/L	0.001/-	1/Quarter	Grab	ND < 0.0031	U	ANR	ANR
4,4'-DDT	µg/L	0.001/-	1/Quarter	Grab	ND < 0.0041	U	ANR	ANR
Aroclor 1016	µg/L	0.0003/-	1/Quarter	Grab	ND < 0.45	U	ANR	ANR
Aroclor 1221	µg/L	0.0003/-	1/Quarter	Grab	ND < 0.45	U	ANR	ANR
Aroclor 1232	µg/L	0.0003/-	1/Quarter	Grab	ND < 0.45	U	ANR	ANR
Aroclor 1242	µg/L	0.0003/-	1/Quarter	Grab	ND < 0.45	U	ANR	ANR
Aroclor 1248	µg/L	0.0003/-	1/Quarter	Grab	ND < 0.45	U	ANR	ANR
Aroclor 1254	µg/L	0.0003/-	1/Quarter	Grab	ND < 0.090	U	ANR	ANR
Aroclor 1260	µg/L	0.0003/-	1/Quarter	Grab	ND < 0.13	U	ANR	ANR
Chlordane	µg/L	0.001/-	1/Quarter	Grab	ND < 0.082	U	ANR	ANR
Chlorpyrifos	µg/L	0.02/-	1/Quarter	Grab	ND < 0.034	U	ANR	ANR
Diazinon	µg/L	0.16/-	1/Quarter	Grab	ND < 0.026	UJ (H)	ANR	ANR
Dieldrin	µg/L	0.0002/-	1/Quarter	Grab	ND < 0.0020	U	ANR	ANR
E. Coli	MPN/100 mL	235/-	1/Year	Grab	11,000	--	110	--
pH (Field)	s.u.	6.5-8.5/-	1/Quarter	Grab	7.65	*	ANR	ANR
Toxaphene	µg/L	0.0003/-	1/Quarter	Grab	ND < 0.26	U	ANR	ANR
<b>POLLUTANTS WITHOUT LIMITS</b>								
Hardness (as CaCO <sub>3</sub> )	mg/L	-/-	1/Quarter	Grab	120	--	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	Grab	55.35	*	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	Grab	63	--	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	Meas	0.1	*	ANR	ANR
<b>REMAINING PRIORITY POLLUTANTS</b>								
1,1,1-Trichloroethane	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
1,1-Dichloroethene	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/5 Years	Grab	ND < 0.526	U*	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/5 Years	Grab	ND < 0.211	U*	ANR	ANR
1,2-Dichloroethane	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/5 Years	Grab	ND < 0.526	U*	ANR	ANR

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THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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January 1 through March 31, 2018

ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	SAMPLE TYPE	03/21/2018 08:15 <sup>(1)</sup>		03/30/2018 08:45	
					RESULT	LABORATORY /VALIDATION QUALIFIER	RESULT	LABORATORY /VALIDATION QUALIFIER
1,3-Dichlorobenzene	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/5 Years	Grab	ND < 0.211	U*	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/5 Years	Grab	ND < 0.211	U*	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-/-	1/5 Years	Grab	ND < 0.526	U*	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/5 Years	Grab	ND < 1.05	U*	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/5 Years	Grab	ND < 1.05	U*	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/5 Years	Grab	ND < 2.11	U*	ANR	ANR
2,4-Dinitrotoluene	µg/L	-/-	1/5 Years	Grab	ND < 2.11	U*	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/5 Years	Grab	ND < 2.11	U*	ANR	ANR
2-Chloroethyl vinyl ether	µg/L	-/-	1/5 Years	Grab	ND < 1.0	U*	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/5 Years	Grab	ND < 0.211	U*	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/5 Years	Grab	ND < 0.526	U*	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/5 Years	Grab	ND < 2.11	U*	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/5 Years	Grab	ND < 1.05	U*	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/5 Years	Grab	ND < 2.11	U*	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-/-	1/5 Years	Grab	ND < 0.526	U*	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/5 Years	Grab	ND < 0.211	U*	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-/-	1/5 Years	Grab	ND < 0.211	U*	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/5 Years	Grab	ND < 2.11	U*	ANR	ANR
Acenaphthene	µg/L	-/-	1/5 Years	Grab	ND < 0.211	U*	ANR	ANR
Acenaphthylene	µg/L	-/-	1/5 Years	Grab	ND < 0.211	U*	ANR	ANR
Acrolein	µg/L	-/-	1/5 Years	Grab	ND < 2.5	U*	ANR	ANR
Acrylonitrile	µg/L	-/-	1/5 Years	Grab	ND < 1.0	U*	ANR	ANR
Aldrin	µg/L	-/-	1/5 Years	Grab	ND < 0.0015	U	ANR	ANR
alpha-BHC	µg/L	-/-	1/5 Years	Grab	ND < 0.0026	U	ANR	ANR
alpha-Endosulfan	µg/L	-/-	1/5 Years	Grab	0.042	--	ANR	ANR
Anthracene	µg/L	-/-	1/5 Years	Grab	ND < 0.211	U*	ANR	ANR
Antimony	µg/L	-/-	1/5 Years	Grab	0.95	J (DNQ)	ANR	ANR
Arsenic	µg/L	-/-	1/5 Years	Grab	2.0	--	ANR	ANR
Asbestos	MFL	-/-	1/5 Years	Grab	ND < 5.00	UJ (H)	ANR	ANR
Benzene	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
Benzidine	µg/L	-/-	1/5 Years	Grab	ND < 5.26	U*	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/5 Years	Grab	ND < 2.11	U*	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/5 Years	Grab	ND < 0.526	U*	ANR	ANR

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ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	SAMPLE TYPE	03/21/2018 08:15 <sup>(1)</sup>		03/30/2018 08:45	
					RESULT	LABORATORY /VALIDATION QUALIFIER	RESULT	LABORATORY /VALIDATION QUALIFIER
Benzo(b)fluoranthene	µg/L	-/-	1/5 Years	Grab	ND < 1.05	U*	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-/-	1/5 Years	Grab	ND < 2.11	U*	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/5 Years	Grab	ND < 0.263	U*	ANR	ANR
Beryllium	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U	ANR	ANR
beta-BHC	µg/L	-/-	1/5 Years	Grab	ND < 0.0041	U	ANR	ANR
beta-Endosulfan	µg/L	-/-	1/5 Years	Grab	ND < 0.0020	U	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/5 Years	Grab	ND < 0.211	U*	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/5 Years	Grab	ND < 0.211	U*	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/5 Years	Grab	ND < 0.211	U*	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-/-	1/5 Years	Grab	ND < 2.11	U*	ANR	ANR
Bromoform	µg/L	-/-	1/5 Years	Grab	ND < 0.40	U*	ANR	ANR
Butyl benzylphthalate	µg/L	-/-	1/5 Years	Grab	ND < 2.11	U*	ANR	ANR
Cadmium	µg/L	-/-	1/5 Years	Grab	0.29	J (DNQ)	ANR	ANR
Carbon tetrachloride	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
Chlorobenzene	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
Chlorodibromomethane	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
Chloroethane	µg/L	-/-	1/5 Years	Grab	ND < 0.40	U*	ANR	ANR
Chloroform (Trichloromethane)	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
Chromium	µg/L	-/-	1/5 Years	Grab	5.8	--	ANR	ANR
Chromium VI (Hexavalent)	µg/L	-/-	1/5 Years	Grab	0.62	J- (H)	ANR	ANR
Chrysene	µg/L	-/-	1/5 Years	Grab	ND < 0.211	U*	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
Copper	µg/L	-/-	1/5 Years	Grab	9.9	--	ANR	ANR
Cyanide	µg/L	-/-	1/5 Years	Grab	ND < 2.5	U*	ANR	ANR
delta-BHC	µg/L	-/-	1/5 Years	Grab	ND < 0.0036	U	ANR	ANR
Dibenz(a,h)anthracene	µg/L	-/-	1/5 Years	Grab	ND < 0.263	U*	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
Diethyl phthalate	µg/L	-/-	1/5 Years	Grab	ND < 0.526	U*	ANR	ANR
Dimethyl phthalate	µg/L	-/-	1/5 Years	Grab	ND < 0.263	U*	ANR	ANR
Di-n-butyl phthalate	µg/L	-/-	1/5 Years	Grab	ND < 1.05	U*	ANR	ANR
Di-n-octyl phthalate	µg/L	-/-	1/5 Years	Grab	ND < 2.11	U*	ANR	ANR
Endosulfan sulfate	µg/L	-/-	1/5 Years	Grab	ND < 0.0031	U	ANR	ANR
Endrin	µg/L	-/-	1/5 Years	Grab	ND < 0.0020	U	ANR	ANR
Endrin aldehyde	µg/L	-/-	1/5 Years	Grab	ND < 0.0020	U	ANR	ANR

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ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	SAMPLE TYPE	03/21/2018 08:15 <sup>(1)</sup>		03/30/2018 08:45	
					RESULT	LABORATORY /VALIDATION QUALIFIER	RESULT	LABORATORY /VALIDATION QUALIFIER
Ethylbenzene	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
Fluoranthene	µg/L	-/-	1/5 Years	Grab	ND < 0.211	U*	ANR	ANR
Fluorene	µg/L	-/-	1/5 Years	Grab	ND < 0.211	U*	ANR	ANR
gamma-BHC (Lindane)	µg/L	-/-	1/5 Years	Grab	ND < 0.0031	U	ANR	ANR
Heptachlor	µg/L	-/-	1/5 Years	Grab	ND < 0.0031	U	ANR	ANR
Heptachlor epoxide	µg/L	-/-	1/5 Years	Grab	ND < 0.0026	U	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/5 Years	Grab	ND < 0.526	U*	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/5 Years	Grab	ND < 0.526	U*	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/5 Years	Grab	ND < 2.11	U*	ANR	ANR
Hexachloroethane	µg/L	-/-	1/5 Years	Grab	ND < 0.526	U*	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/5 Years	Grab	ND < 1.05	U*	ANR	ANR
Isophorone	µg/L	-/-	1/5 Years	Grab	ND < 0.526	U*	ANR	ANR
Lead	µg/L	-/-	1/5 Years	Grab	1.7	--	ANR	ANR
Mercury	µg/L	-/-	1/5 Years	Grab	ND < 0.10	UJ (B)	ANR	ANR
Methyl Bromide (Bromomethane)	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
Methylene chloride	µg/L	-/-	1/5 Years	Grab	ND < 0.88	U*	ANR	ANR
Naphthalene	µg/L	-/-	1/5 Years	Grab	ND < 0.40	U*	ANR	ANR
Naphthalene	µg/L	-/-	1/5 Years	Grab	ND < 0.526	U*	ANR	ANR
Nickel	µg/L	-/-	1/5 Years	Grab	5.7	--	ANR	ANR
Nitrobenzene	µg/L	-/-	1/5 Years	Grab	ND < 0.526	U*	ANR	ANR
N-Nitrosodimethylamine	µg/L	-/-	1/5 Years	Grab	ND < 1.05	U*	ANR	ANR
N-Nitrosodi-n-propylamine	µg/L	-/-	1/5 Years	Grab	ND < 1.05	U*	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/5 Years	Grab	ND < 0.526	U*	ANR	ANR
Pentachlorophenol	µg/L	-/-	1/5 Years	Grab	ND < 1.05	U*	ANR	ANR
Phenanthrene	µg/L	-/-	1/5 Years	Grab	ND < 0.211	U*	ANR	ANR
Phenol	µg/L	-/-	1/5 Years	Grab	ND < 0.526	U*	ANR	ANR
Pyrene	µg/L	-/-	1/5 Years	Grab	ND < 0.211	U*	ANR	ANR
Selenium	µg/L	-/-	1/5 Years	Grab	1.5	J (DNQ)	ANR	ANR
Silver	µg/L	-/-	1/5 Years	Grab	ND < 0.50	U	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
Thallium	µg/L	-/-	1/5 Years	Grab	ND < 0.50	U	ANR	ANR
Toluene	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
Trichloroethene	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR

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ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	SAMPLE TYPE	03/21/2018 08:15 <sup>(1)</sup>		03/30/2018 08:45	
					RESULT	LABORATORY /VALIDATION QUALIFIER	RESULT	LABORATORY /VALIDATION QUALIFIER
Vinyl chloride	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
Zinc	µg/L	-/-	1/5 Years	Grab	45	--	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/5 Years	Grab	ND < 0.50	U*	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	1/5 Years	Grab	ND < 0.25	U*	ANR	ANR
Endrin ketone	µg/L	-/-	1/5 Years	Grab	ND < 0.0071	U	ANR	ANR
Methoxychlor	µg/L	-/-	1/5 Years	Grab	ND < 0.0036	U	ANR	ANR

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ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	SAMPLE TYPE	04/06/2018 09:10		04/13/2018 09:00		04/20/2018 09:05	
					RESULT	LABORATORY /VALIDATION QUALIFIER	RESULT	LABORATORY /VALIDATION QUALIFIER	RESULT	LABORATORY /VALIDATION QUALIFIER
<b>POLLUTANTS WITH LIMITS</b>										
4,4'-DDD	µg/L	0.0014/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	µg/L	0.001/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	µg/L	0.001/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor 1016	µg/L	0.0003/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor 1221	µg/L	0.0003/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor 1232	µg/L	0.0003/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor 1242	µg/L	0.0003/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor 1248	µg/L	0.0003/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor 1254	µg/L	0.0003/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor 1260	µg/L	0.0003/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	µg/L	0.001/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Chlorpyrifos	µg/L	0.02/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Diazinon	µg/L	0.16/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	µg/L	0.0002/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
E. Coli	MPN/100 mL	235/-	1/Year	Grab	160	--	200	--	170	--
pH (Field)	s.u.	6.5-8.5/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	µg/L	0.0003/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
<b>POLLUTANTS WITHOUT LIMITS</b>										
Hardness (as CaCO3)	mg/L	-/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	Meas	ANR	ANR	ANR	ANR	ANR	ANR
<b>REMAINING PRIORITY POLLUTANTS</b>										
1,1,1-Trichloroethane	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR

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ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	SAMPLE TYPE	04/06/2018 09:10		04/13/2018 09:00		04/20/2018 09:05	
					RESULT	LABORATORY /VALIDATION QUALIFIER	RESULT	LABORATORY /VALIDATION QUALIFIER	RESULT	LABORATORY /VALIDATION QUALIFIER
1,3-Dichlorobenzene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloroethyl vinyl ether	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Acrolein	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Antimony	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Asbestos	MFL	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Benzene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Benzidine	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2018 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2018

ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	SAMPLE TYPE	04/06/2018 09:10		04/13/2018 09:00		04/20/2018 09:05	
					RESULT	LABORATORY /VALIDATION QUALIFIER	RESULT	LABORATORY /VALIDATION QUALIFIER	RESULT	LABORATORY /VALIDATION QUALIFIER
Benzo(b)fluoranthene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
beta-Endosulfan	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Chloroform (Trichloromethane)	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Chromium	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Chromium VI (Hexavalent)	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Copper	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Cyanide	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Dibenz(a,h)anthracene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Diethyl phthalate	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Endrin	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Endrin aldehyde	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR



ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2018 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2018

ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	SAMPLE TYPE	04/06/2018 09:10		04/13/2018 09:00		04/20/2018 09:05	
					RESULT	LABORATORY /VALIDATION QUALIFIER	RESULT	LABORATORY /VALIDATION QUALIFIER	RESULT	LABORATORY /VALIDATION QUALIFIER
Ethylbenzene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Lead	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Methyl Bromide (Bromomethane)	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Nickel	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
N-Nitrosodi-n-propylamine	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Silver	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Toluene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Trichloroethene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2018 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2018

ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	SAMPLE TYPE	04/06/2018 09:10		04/13/2018 09:00		04/20/2018 09:05	
					RESULT	LABORATORY /VALIDATION QUALIFIER	RESULT	LABORATORY /VALIDATION QUALIFIER	RESULT	LABORATORY /VALIDATION QUALIFIER
Vinyl chloride	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>										
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Endrin ketone	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR
Methoxychlor	µg/L	-/-	1/5 Years	Grab	ANR	ANR	ANR	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2018 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Sample Type: Grab  
 Sample Date: 3/22/2018 08:15

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	LABORATORY QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (µg/L)
1,2,3,4,6,7,8-HpCDD	1/Year	5.50E-07	5.10E-05	2.30E-05	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Year	5.40E-07	5.10E-05	8.30E-06	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Year	6.90E-07	5.10E-05	1.40E-06	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Year	5.50E-07	5.10E-05	2.00E-06	U (B)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Year	1.10E-06	5.10E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Year	5.30E-07	5.10E-05	1.80E-06	U (B)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Year	1.10E-06	5.10E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Year	5.00E-07	5.10E-05	1.90E-06	U (B)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Year	6.30E-07	5.10E-05	1.30E-06	U (B)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Year	4.90E-07	5.10E-05	9.90E-07	U (B)	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Year	5.20E-07	5.10E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Year	7.60E-07	5.10E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Year	5.70E-07	5.10E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Year	4.30E-07	1.00E-05	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Year	4.40E-07	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1/Year	5.30E-07	1.00E-04	1.90E-04	U (B)	0.0001	0.01	ND
OCDF	1/Year	5.10E-07	1.00E-04	1.60E-05	U (B)	0.0001	0.02	ND
<b>TCDD TEQ w/out DNQ Values (POLLUTANTS WITHOUT LIMITS)</b>								<b>ND</b>

**APPENDIX D**

**First Quarter 2018 NPDES Permit Limit Exceedances**

**TABLE D  
SUMMARY OF PERMIT LIMIT EXCEEDANCES**

**FIRST QUARTER 2018 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**January 1 through March 31, 2018**

<b>DAILY MAX BENCHMARK LIMIT EXCEEDANCES</b>								
<b>OUTFALL</b>	<b>LOCATIONS</b>	<b>SAMPLE DATE</b>	<b>SAMPLE TYPE</b>	<b>ANALYTE</b>	<b>PERMIT LIMIT DAILY MAX</b>	<b>DAILY MAX RESULT</b>	<b>UNITS</b>	<b>VALIDATION QUALIFIER</b>
Outfall 002	South Slope below R-2 Pond	3/23/2018	Comp	Iron	0.3	2.1	mg/L	--

**TABLE D  
SUMMARY OF PERMIT LIMIT EXCEEDANCES**

**FIRST QUARTER 2018 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2018

<b>SINGLE SAMPLE MAXIMUM RECEIVING WATER LIMIT EXCEEDANCES</b>								
<b>OUTFALL</b>	<b>LOCATIONS</b>	<b>SAMPLE DATE</b>	<b>SAMPLE TYPE</b>	<b>ANALYTE</b>	<b>Single Sample Maximum Limit</b>	<b>DAILY MAX RESULT</b>	<b>UNITS</b>	<b>VALIDATION QUALIFIER</b>
Arroyo Simi	Frontier Park Receiving Water	3/22/2018	Grab	E. Coli	235	11,000	MPN/100 ml	--
Bell Creek	RSW-001	3/22/2018	Grab	E. Coli	235	280	MPN/100 ml	J (H)

<b>GEOMETRIC MEAN RECEIVING WATER LIMIT EXCEEDANCES</b>								
<b>OUTFALL</b>	<b>LOCATIONS</b>	<b>SAMPLE DATES</b>	<b>SAMPLE TYPE</b>	<b>ANALYTE</b>	<b>GEOMEAN LIMIT</b>	<b>GEOMEAN RESULT</b>	<b>UNITS</b>	<b>VALIDATION QUALIFIER</b>
Arroyo Simi	Frontier Park Receiving Water	3/22/18-4/20/18	Grab	E. Coli	126	366	MPN/100 ml	--