

DESCRIPTIONS OF DISCHARGE OUTFALL LOCATIONS	
NPDES OUTFALL	DESCRIPTION
001	Stormwater, South Slope
002	Stormwater, South Slope
003	Stormwater, Radioactive Material Handling Facility
004	Stormwater, Sodium Reactor Experiment Area
005	Stormwater, Sodium Burn Pit 1
006	Stormwater, Sodium Burn Pit 2
007	Stormwater, Building 100
008	Stormwater, Happy Valley
009	Stormwater, WS-13 Drainage (Northern Drainage)
010	Stormwater, Building 203
011	Stormwater, Perimeter Pond (Treated at SWTS)
012	Stormwater, Alfa Test Stand (Removed from permit)
013	Stormwater, Bravo Test Stand (Removed from permit)
014	Stormwater, Advanced Propulsion Test Facility (Removed from permit)
015	STP-1 (Removed from permit)
016	STP-2 (Removed from permit)
017	STP-3 (Removed from permit)
018	Stormwater, R-2 Pond Spillway (Treated at SWTS)
019	Treated Groundwater (GET System)
020	Treated Groundwater (GET System) (may not be constructed)

- NOTES:
- ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE
  - APTF = ADVANCED PROPULSION TEST FACILITY
  - DOE = DEPARTMENT OF ENERGY
  - ELV = EXPENDABLE LAUNCH VEHICLE
  - 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	ISRA PERFORMANCE MONITORING LOCATION	CHECK STRUCTURE - MOSTLY NATURAL SANDSTONE, SOME RIP RAP	DRAINAGE	25' ELEVATION CONTOUR	EXISTING BUILDING/STRUCTURE
FORMER NPDES OUTFALL LOCATION	BMP MONITORING LOCATION	CHECK STRUCTURE - RIP RAP	ASPHALT SWALE	ISRA EXCAVATION BOUNDARY	FORMER BUILDING FOOTPRINT
POSSIBLE FUTURE NPDES OUTFALL LOCATION	SPECIAL STUDIES LOCATION	CHECK STRUCTURE - VEGETATED RIP RAP	PAVED ROAD	VEHICLE PARKING AREA	CONCRETE SLAB IN PLACE
SLOPE DRAIN DISCHARGE POINT TO NORTHERN DRAINAGE	GROUNDWATER EXTRACTION AND TREATMENT (GET) SYSTEM	SLOPE DRAIN WITH UNDERLYING CHECK STRUCTURE AND ENERGY DISSIPATING GRAVEL AT INFLUENT END	DIRT ROAD	BIOFILTER	SANTA SUSANA SITE PROPERTY BOUNDARY
CULVERT MODIFICATION	STORMWATER TREATMENT SYSTEM		STORMWATER CONVEYANCE PIPELINE WITH FLOW DIRECTION	BIOSWALE	ADMINISTRATIVE AREA BOUNDARY
GROUNDWATER MONITORING WELL	STUDY AREA		STORMWATER CONVEYANCE PIPELINE UNDER CONSTRUCTION WITH FLOW DIRECTION	NORTHERN DRAINAGE	
				SURFACE WATER POND	

**HALEY ALDRICH**

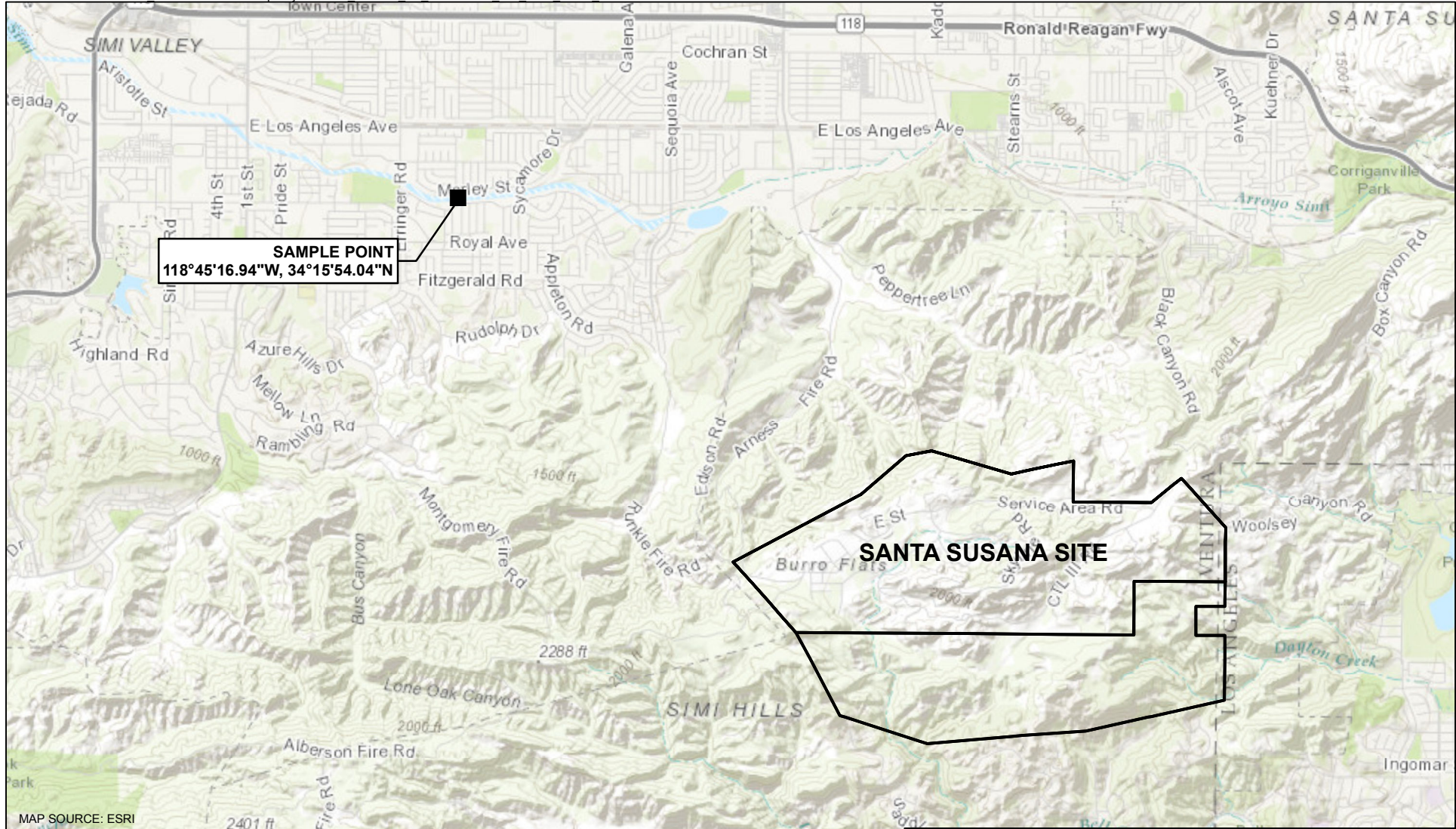
NPDES PERMIT COMPLIANCE FIRST QUARTER 2017 DISCHARGE MONITORING REPORT THE BOEING COMPANY VENTURA COUNTY, CALIFORNIA

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

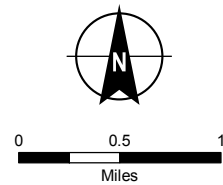
MAY 2017 FIGURE 1

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MAP SOURCE: ESRI



**HALEY  
ALDRICH**

NPDES PERMIT COMPLIANCE FIRST QUARTER 2017  
DISCHARGE MONITORING REPORT  
THE BOEING COMPANY  
VENTURA COUNTY, CALIFORNIA

ARROYO SIMI-FRONTIER PARK  
(RSW-002) SAMPLING LOCATION

MAY 2017

FIGURE 2

**APPENDIX A**

**First Quarter 2017 Rainfall Data Summary**

**TABLE A  
DAILY RAINFALL SUMMARY**

**THE BOEING COMPANY  
NPDES PERMIT CA0001309**

Station: AREA 1  
Parameter: Rain  
Month/Year: January 2017

**HOUR OF THE DAY**

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
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
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
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.02	0.01	0.02	0.02	0.03	0.04	0.05	0.24
5	0.06	0.07	0.07	0.02	0.03	0.03	0.01	0.03	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38
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
7	0.00	0.00	0.09	0.04	0.04	0.12	0.01	0.08	0.01	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	0.41
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
9	0.00	0.09	0.15	0.15	0.26	0.07	0.02	0.01	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	0.77
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.12
11	0.00	0.00	0.00	0.05	0.11	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.26
12	0.00	0.01	0.02	0.11	0.06	0.03	0.02	0.00	0.00	0.00	0.05	0.13	0.05	0.02	0.00	0.00	0.00	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.55
13	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	0.00	0.00	0.00	0.00	0.01
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
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
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
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
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	0.05	0.02	0.01	0.00	0.01	0.00	0.09
19	0.00	0.14	0.20	0.28	0.17	0.07	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	0.00	0.00	0.88
20	0.00	0.00	0.02	0.02	0.03	0.08	0.08	0.08	0.16	0.11	0.22	0.69	0.09	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60
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
22	0.04	0.04	0.05	0.04	0.04	0.10	0.10	0.08	0.11	0.11	0.24	0.34	0.36	0.39	0.32	0.30	0.01	0.00	0.04	0.02	0.04	0.13	0.10	0.01	3.01
23	0.01	0.01	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.05	0.01	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	0.12
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
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
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
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
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
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
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
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

Flags: d = Off-line part of hour, invalid hour due to semi-annual calibration. For the off-line event, the onsite B1436 rain gauge confirmed that no rainfall was recorded during hour 08:00-09:00 and the Sage Ranch rain gauge confirmed that no rainfall was recorded during hour 09:00-10:00.

**TABLE A  
DAILY RAINFALL SUMMARY**

**THE BOEING COMPANY  
NPDES PERMIT CA0001309**

Station: AREA 1  
Parameter: Rain  
Month/Year: February 2017

**HOURLY RAINFALL SUMMARY**

	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	0.03	0.03
	3	0.01	0.06	0.02	0.02	0.00	0.11	0.11	0.08	0.06	0.04	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.57
	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	0.02	0.02
	6	0.11	0.15	0.09	0.13	0.13	0.12	0.17	0.11	0.13	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26
	7	0.04	0.06	0.04	0.03	0.02	0.01	0.01	0.00	0.01	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	0.01	0.00	0.01	0.25
	8	0.00	0.01	0.01	0.01	0.01	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
	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
	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	0.03	0.02	0.05	0.09	0.07	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.31
	11	0.00	0.09	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.35
	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	0.01	0.04	0.05
	17	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.10	0.27	0.15	0.29	0.38	0.71	0.53	0.60	0.44	0.26	0.16	0.15	0.12	0.07	0.03	0.15	0.14	4.60	
	18	0.08	0.03	0.08	0.09	0.17	0.11	0.02	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61
	19	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	0.01	0.01	0.01	0.03	0.00	0.02	0.05	0.01	0.14	
	20	0.01	0.02	0.03	0.04	0.06	0.01	0.03	0.02	0.02	0.02	0.02	0.04	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.37
	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	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.04	
	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	0.03	0.05	0.02	0.03	0.02	0.02	0.01	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	0.20
	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



**APPENDIX B**

**First Quarter 2017 Waste Shipment Summary Table**

**TABLE B  
LIQUID WASTE SHIPMENTS**

**FIRST QUARTER 2017 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	TRANSPORTER 3	DESTINATION
1/18/2017	010263263FLE	NON-RCRA HAZARDOUS WASTE, LIQUIDS (OIL, WATER)	14	P	Clean Harbors Environmental Services, Inc. 42 Longwater Drive Norwell, MA 02061	Safety-Kleen Systems, Inc. 2600 N Central Expressway, Ste. 400 Richardson, TX 75080	n/a	Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90744
2/9/2017	010488030FLE	HAZARDOUS WASTE, LIQUID (TRICHLOROETHYLENE)	112	P		Tri-State Motor Transit Co. 8141 East 7th Street Joplin, MO 64801	Clean Harbors Environmental Services, Inc. 42 Longwater Drive Norwell, MA 02061	Clean Harbors - Aragonite LLC 11600 North Aptus Road Grantsville, UT 34029
		HAZARDOUS WASTE, LIQUID (TRICHLOROETHYLENE)	120	P				
	AB0333	NON HAZARDOUS, NON D.O.T. REGULATED (WATER)	33	P				Clean Harbors - Grassy Mountain LLC 3 Miles East 7 Miles North of Knolls Grantsville, UT 34029
2/22/2017	010488174FLE	NON-RCRA HAZARDOUS WASTE, LIQUIDS (FORMALDAHYDE POTASSIUM HYDROGENETHALATE)	4	P		n/a	n/a	Clean Harbors - Aragonite LLC 11600 North Aptus Road Grantsville, UT 34029
	010488175FLE	NON-RCRA HAZARDOUS WASTE, LIQUID (OIL, WATER)	10	P				Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90744
	AB0456	NON HAZARDOUS, NON D.O.T. REGULATED (WATER)	194	P				Clean Harbors - Grassy Mountain LLC 3 Miles East 7 Miles North of Knolls Grantsville, UT 34029
		NON HAZARDOUS, NON D.O.T. REGULATED (WATER)	313	P				
3/1/2017	010791900JJK	NON-RCRA HAZARDOUS WASTE, LIQUID (SEDIMENT CONTAMINATED WITH LEAD, CHROMIUM, AND SILVER)	2,501	G		Patriot Environmental Services 508 E E Street Wilmington, CA 90744-6023		Chemical Waste Management KHf 35251 Old Skyline Road Kettleman Hills, CA 93239
3/30/2017	0531220	NON HAZARDOUS WASTE, LIQUID (RAIN WATER)	5,000	G		American Integrated Services, Inc. 1502 E Opp Street Wilmington, CA 90744		Crosby & Overton, Inc. 1610 W 17th St. Long Beach, CA 90813
3/30/2017	0531224	NON HAZARDOUS WASTE, LIQUID (RAIN WATER)	5,000	G				



**TABLE B  
LIQUID WASTE SHIPMENTS**

**FIRST QUARTER 2017 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	TRANSPORTER 3	DESTINATION
1/3/2017	15451	FLUSH WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G	Southwest Processors, Inc. 4120 Bandini Boulevard Vernon, CA 90058	n/a	n/a	Southwest Processors, Inc. 4120 Bandini Boulevard Vernon, CA 90058
	15452	FLUSH WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
1/10/2017	15583	FLUSH WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
	15584	FLUSH WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
1/11/2017	15546	PUMP WATER AS DIRECTED (CLARIFIER)	5,000	G				
	15591	FLUSH WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
1/17/2017	15617	FLUSH WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
	15618	FLUSH WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
1/18/2017	15627	FLUSH WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
	15628	FLUSH WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
1/20/2017	15644	FLUSH WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
1/23/2017	15548	FLUSH WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
	15661	FLUSH WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
	15662	FLUSH WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
1/24/2017	15664	FLUSH WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
	15665	FLUSH WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
1/31/2017	15699	FLUSH WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
	15700	FLUSH WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				

**TABLE B  
LIQUID WASTE SHIPMENTS**

**FIRST QUARTER 2017 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	TRANSPORTER 3	DESTINATION
2/6/2017	15728	FLUSH WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G	Southwest Processors, Inc. 4120 Bandini Boulevard Vernon, CA 90058	n/a	n/a	Southwest Processors, Inc. 4120 Bandini Boulevard Vernon, CA 90058
	15729	FLUSH WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
2/7/2017	15738	FLUSH WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
	15739	FLUSH WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
2/14/2017	15547	PUMP WATER AS DIRECTED (CLARIFIER)	5,000	G				
	15780	RAIN WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
	15781	RAIN WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
2/15/2017	15786	RAIN WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
	15787	RAIN WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
2/16/2017	15655	RAIN WATER W/ TRACE SEWAGE	5,000	G				
	15796	RAIN WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
	15797	RAIN WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
2/17/2017	15656	RAIN WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
2/18/2017	15814	RAIN WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
2/20/2017	15816	RAIN WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
	15817	RAIN WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
	15818	RAIN WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
	15819	RAIN WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				

**TABLE B  
LIQUID WASTE SHIPMENTS**

**FIRST QUARTER 2017 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	TRANSPORTER 3	DESTINATION
2/21/2017	15823	RAIN WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G	Southwest Processors, Inc. 4120 Bandini Boulevard Vernon, CA 90058	n/a	n/a	Southwest Processors, Inc. 4120 Bandini Boulevard Vernon, CA 90058
	15824	RAIN WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
	15825	RAIN WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
2/22/2017	15832	RAIN WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
	15834	RAIN WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
2/23/2017	15856	RAIN WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
	15857	RAIN WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
	15858	RAIN WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
2/24/2017	15866	RAIN WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
	15867	RAIN WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
2/27/2017	15658	PUMP WATER AS DIRECTED (CLARIFIER)	5,000	G				
	15826	RAIN WATER W/ TRACE SEWAGE	5,000	G				
	15833	RAIN WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
2/28/2017	15875	RAIN WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
	15874	RAIN WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
3/7/2017	15913	PUMP WATER AS DIRECTED (CLARIFIER & HOLDING TANK)	5,000	G				
	15915	PUMP WATER AS DIRECTED (CLARIFIER)	5,000	G				
3/13/2017	15914	PUMP WATER AS DIRECTED (CLARIFIER)	5,000	G				

**TABLE B  
LIQUID WASTE SHIPMENTS**

**FIRST QUARTER 2017 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	TRANSPORTER 3	DESTINATION
3/14/2017	15966	RAIN WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G	Southwest Processors, Inc. 4120 Bandini Boulevard Vernon, CA 90058	n/a	n/a	Southwest Processors, Inc. 4120 Bandini Boulevard Vernon, CA 90058
	15967	RAIN WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
3/22/2017	16026	RAIN/GROUND WATER W/ TRACE SEWAGE (HOLDING TANK)	5,000	G				
	16027	RAIN/GROUND WATER W/ TRACE SEWAGE (CLARIFIER)	5,000	G				
3/29/2017	n/a	RAIN/FLUSH WATER W/ TRACE SEWAGE	5,000	G				
3/29/2017		RAIN/FLUSH WATER W/ TRACE SEWAGE	5,000	G				



**TABLE B  
SOLID WASTE SHIPMENTS**

**FIRST QUARTER 2017 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	TRANSPORTER 3	DESTINATION				
1/18/2017	AB0179	NON HAZARDOUS, NON D.O.T. REGULATED MATERIAL (DEBRIS)	47	P	Clean Harbors Environmental Services, Inc. 42 Longwater Drive Norwell, MA 02061	Tri-State Motor Transit Co. 8141 East 7th Street Joplin, MO 64801	Clean Harbors Environmental Services, Inc. 42 Longwater Drive Norwell, MA 02061	Clean Harbors - Grassy Mountain LLC 3 Miles East 7 Miles North of Knolls Grantsville, UT 34029				
	010263262FLE	WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID (TRICHLOROETHYLENE, PERCHLOROETHYLENE)	9	P				Clean Harbors - Aragonite LLC 11600 North Aptus Road Grantsville, UT 34029				
		HAZARDOUS WASTE, SOLID (LEAD)	180	P								
		NON-RCRA HAZARDOUS WASTE, SOLID (POTASSIUM PERMANGANATE RESIDUE)	6	P								
	010263263FLE	NON-RCRA HAZARDOUS WASTE, SOLID (DEBRIS/OIL)	8	P				Safety-Kleen Systems, Inc. 2600 N Central Expressway, Ste. 400 Richardson, TX 75080	n/a	Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90744		
		NON-RCRA HAZARDOUS WASTE, SOLID (EMPTY CONTAINERS)	174	P								
2/1/2017	AB0269	BATTERIES, DRY, SEALED (UNIVERSAL WASTE ALKALINE BATTERIES)	31	P		n/a	n/a				Clean Harbors - Aragonite LLC 11600 North Aptus Road Grantsville, UT 34029	
	010263395FLE	NON-RCRA HAZARDOUS WASTE, SOLIDS (TONER CARTRIDGES)	30	P								
2/9/2017	010488030FLE	WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID (TRICHLOROETHYLENE, PERCHLOROETHYLENE)	9	P		Clean Harbors Environmental Services, Inc. 42 Longwater Drive Norwell, MA 02061	Tri-State Motor Transit Co. 8141 East 7th Street Joplin, MO 64801				Clean Harbors Environmental Services, Inc. 42 Longwater Drive Norwell, MA 02061	Clean Harbors - Aragonite LLC 11600 North Aptus Road Grantsville, UT 34029
	010488032FLE	CORROSIVE SOLID, BASIC, INORGANIC (SODIUM HYDROXIDE )	5	P			n/a				n/a	Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90744
		BATTERIES, WET, NON-SPILLABLE (UNIVERSAL WASTE BATTERIES)	13	P								
2/22/2017	010488174FLE	HAZARDOUS WASTE, SOLID (BENZENE, ALCOHOL, ACETONE)	65	P		Tri-State Motor Transit Co. 8141 East 7th Street Joplin, MO 64801	n/a	n/a	Clean Harbors - Aragonite LLC 11600 North Aptus Road Grantsville, UT 34029			
		HAZARDOUS WASTE, SOLID (BENZENE, ALCOHOL, ACETONE)	230	P								
		HAZARDOUS WASTE, SOLID (BENZENE, ALCOHOL, ACETONE)	5	G								
	010488175FLE	NON-RCRA HAZARDOUS WASTE, SOLID (CADMIUM, LEAD)	6	P	n/a				Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90744			
	AB0456	NON HAZARDOUS, NON D.O.T. REGULATED MATERIAL (DEBRIS)	20	P								
3/8/2017	AB0575	NON HAZARDOUS, NON D.O.T. REGULATED MATERIAL (DEBRIS)	150	P	Tri-State Motor Transit Co. 8141 East 7th Street Joplin, MO 64801	Clean Harbors Environmental Services, Inc. 42 Longwater Drive Norwell, MA 02061	Clean Harbors - Grassy Mountain LLC 3 Miles East 7 Miles North of Knolls Grantsville, UT 34029					
		NON HAZARDOUS, NON D.O.T. REGULATED MATERIAL (DEBRIS)	990	P								

**TABLE B  
FLAMMABLE WASTE SHIPMENTS**

**FIRST QUARTER 2017 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	TRANSPORTER 3	DESTINATION
1/18/2017	010263262FLE	WASTE AEROSOLS, FLAMMABLE	30	P	Clean Harbors Environmental Services, Inc. 42 Longwater Drive Norwell, MA 02061	Tri-State Motor Transit Co. 8141 East 7th Street Joplin, MO 64801	Clean Harbors Environmental Services, Inc. 42 Longwater Drive Norwell, MA 02061	Clean Harbors - Aragonite LLC 11600 North Aptus Road Grantsville, UT 34029
2/1/2017	010263395FLE	WASTE FLAMMABLE LIQUIDS (ALCOHOL/WATER, PETROLEUM DISTILLATE)	185	P		n/a	n/a	Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90744
2/9/2017	010488030FLE	WASTE FLAMMABLE LIQUIDS (GASOLINE)	25	P		Tri-State Motor Transit Co. 8141 East 7th Street Joplin, MO 64801	Clean Harbors Environmental Services, Inc. 42 Longwater Drive Norwell, MA 02061	Clean Harbors - Aragonite LLC 11600 North Aptus Road Grantsville, UT 34029
2/22/2017	010488174FLE	WASTE FLAMMABLE LIQUIDS (PETROLEUM DISTILLATE, ETHANOL)	13	P		n/a		

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

**APPENDIX C**

**First Quarter 2017 Discharge Monitoring Data Summary Tables**

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

**Notes:**

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.
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. All of the following abbreviations and/or notes may not occur on every table.

-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 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 permit.
*1	Improper preservation of sample.
*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



**REPORTING SUMMARY NOTES  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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*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 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.
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> ).
ICP	Interference check solution results were unsatisfactory.

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

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.
MPN/100 ml	Most probable number per 100 milliliters.
MQL	Method quantitation limit.
MS	Matrix spike.
MSD	Matrix spike duplicate.
NA	Not applicable; no permit limit established for the constituent and/or outfall.
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.

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

P	Pounds.
pCi/L	PicoCuries per liter.
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.
TEQ	Toxic equivalent.
T	Presumed contamination, as indicated by a detect in the trip blank.
U	Result not detected.
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 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.
(2)	Additional sample, not required by the permit.

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

(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.
(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 annual sample for Outfall 002 was collected on 01/22-01/23, Boeing collected some additional annual constituents on 01/20-01/21.



OUTFALL 001 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	01/20/2017 - 01/21/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	0.291059	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-day@20 Deg. C)	mg/L	30/-	1/Discharge	Composite	2.7	--
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.4	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	6.88	*
Total Suspended Solids <sup>#</sup>	mg/L	45/-	1/Discharge	Composite	110 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0/-	1/Discharge	Grab	ND < 0.25	U
1,2-Dichloroethane	µg/L	0.5/-	1/Discharge	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	13/-	1/Discharge	Composite	ND < 0.541	U
2,4-Dinitrotoluene	µg/L	18/-	1/Discharge	Composite	ND < 2.16	U
alpha-BHC	µg/L	0.03/-	1/Discharge	Composite	ND < 0.0024	U
Antimony	µg/L	6.0/-	1/Year	Composite	ND < 0.50	UJ (Q)
Arsenic	µg/L	10.0/-	1/Year	Composite	ND < 5.0	U
Beryllium	µg/L	4.0/-	1/Year	Composite	ND < 1.0	U
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0/-	1/Discharge	Composite	ND < 2.16	U
Cadmium	µg/L	(4.0) 3.1/-	1/Discharge	Composite	ND < 0.25 <sup>(b)</sup>	U
Chromium VI	µg/L	16/-	1/Year	Composite	ND < 0.25	UJ (H)
Copper	µg/L	14/-	1/Discharge	Composite	11	--
Cyanide	µg/L	8.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	8.6	--
Mercury	µg/L	0.1/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	94/-	1/Year	Composite	13	--
N-Nitrosodimethylamine	µg/L	16/-	1/Discharge	Composite	ND < 1.08	U
Pentachlorophenol	µg/L	16.5/-	1/Discharge	Composite	ND < 1.08	U
Selenium	µg/L	(5) 8.2/-	1/Discharge	Composite	ND < 0.50 <sup>(f)</sup>	U
Silver	µg/L	4.1/-	1/Year	Composite	ND < 0.50	U
Thallium	µg/L	2.0/-	1/Year	Composite	ND < 0.50	U
Trichloroethene	µg/L	5.0/-	1/Discharge	Grab	ND < 0.25	U
Zinc	µg/L	119/-	1/Discharge	Composite	59	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia	mg/L	10.1/-	1/Discharge	Composite	ND < 0.100	U
Barium	mg/L	1.0/-	1/Year	Composite	0.11	--
Chloride	mg/L	150/-	1/Discharge	Composite	3.8	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	Grab	0.02	*
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	33.36	J (H)
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	ND < 0.050	UJ (H)
Fluoride	mg/L	1.6/-	1/Year	Composite	ND < 0.25	U
Iron	mg/L	0.3/-	1/Year	Composite	18	--
Manganese	µg/L	50/-	1/Year	Composite	300	--
Nitrate	mg/L	8/-	1/Discharge	Composite	1.4	J (H)
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	1.4	J (H)
Nitrite	mg/L	1/-	1/Discharge	Composite	ND < 0.070	UJ (H)
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Settleable Solids <sup>#</sup>	ml/L	0.3/-	1/Discharge	Grab	ND < 0.10 <sup>(c)</sup>	U
Sulfate	mg/L	300/-	1/Discharge	Composite	3.3	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	48.8	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	260	--
<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
1,1-Dichloroethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.541	U
1,2-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.216	U
1,2-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,2-Dichloropropane	µg/L	-/-	1/Year	Grab	ND < 0.25	U

OUTFALL 001 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	01/20/2017 - 01/21/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	Composite	ND < 0.541	U
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.216	U
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.216	U
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
2,4-Dichlorophenol	µg/L	-/-	1/Year	Composite	ND < 1.08	U
2,4-Dimethylphenol	µg/L	-/-	1/Year	Composite	ND < 1.08	U
2,4-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.16	U
2,6-Dinitrotoluene	µg/L	-/-	1/Year	Composite	ND < 2.16	U
2-Chloroethylvinylether	µg/L	-/-	1/Year	Grab	ND < 1.0	U
2-Chloronaphthalene	µg/L	-/-	1/Year	Composite	ND < 0.216	U
2-Chlorophenol	µg/L	-/-	1/Year	Composite	ND < 0.541	U
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.16	U
2-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 1.08	U
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	Composite	ND < 2.16	R (Q)
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-Bromophenylphenylether	µg/L	-/-	1/Year	Composite	ND < 0.541	U
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	Composite	ND < 0.216	U
4-Chlorophenylphenylether	µg/L	-/-	1/Year	Composite	ND < 0.216	U
4-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.16	U
Acenaphthene	µg/L	-/-	1/Year	Composite	ND < 0.216	U
Acenaphthylene	µg/L	-/-	1/Year	Composite	ND < 0.216	U
Acrolein	µg/L	-/-	1/Year	Grab	ND < 2.5	R (Q)
Acrylonitrile	µg/L	-/-	1/Year	Grab	ND < 1.0	U
Aldrin	µg/L	-/-	1/Year	Composite	ND < 0.0014	U
Anthracene	µg/L	-/-	1/Year	Composite	ND < 0.216	U
Aroclor 1016	µg/L	-/-	1/Year	Composite	ND < 0.24	UJ (S)
Aroclor 1221	µg/L	-/-	1/Year	Composite	ND < 0.24	UJ (S)
Aroclor 1232	µg/L	-/-	1/Year	Composite	ND < 0.24	UJ (S)
Aroclor 1242	µg/L	-/-	1/Year	Composite	ND < 0.24	UJ (S)
Aroclor 1248	µg/L	-/-	1/Year	Composite	ND < 0.24	UJ (S)
Aroclor 1254	µg/L	-/-	1/Year	Composite	ND < 0.24	UJ (S)
Aroclor 1260	µg/L	-/-	1/Year	Composite	ND < 0.24	UJ (S)
Benzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Benzo(a)anthracene	µg/L	-/-	1/Year	Composite	ND < 5.41	R (Q)
Benzo(a)pyrene	µg/L	-/-	1/Year	Composite	ND < 2.16	U
Benzo(b)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 0.541	U
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	Composite	ND < 1.08	UJ (C)
Benzo(k)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 2.16	U
beta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.270	UJ (C)
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	Composite	ND < 0.0038	U
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	Composite	ND < 0.216	U
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	Composite	ND < 0.216	U
Bromodichloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Bromoform	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Bromomethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Butylbenzylphthalate	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Carbon Tetrachloride	µg/L	-/-	1/Year	Composite	ND < 2.16	U
Chlordane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.077	U
Chloroethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloroethane	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Chloroform	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chromium	µg/L	-/-	1/Year	Composite	18	--
Chrysene	µg/L	-/-	1/Year	Composite	ND < 0.216	U

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ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	01/20/2017 - 01/21/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
delta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0034	U
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	Composite	ND < 0.270	U
Dibromochloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Dieldrin	µg/L	-/-	1/Year	Composite	ND < 0.0019	U
Diethylphthalate	µg/L	-/-	1/Year	Composite	ND < 0.541	U
Dimethylphthalate	µg/L	-/-	1/Year	Composite	ND < 0.270	U
Di-n-butylphthalate	µg/L	-/-	1/Year	Composite	ND < 1.08	U
Di-n-octylphthalate	µg/L	-/-	1/Year	Composite	ND < 2.16	U
Endosulfan I	µg/L	-/-	1/Year	Composite	ND < 0.0029	U
Endosulfan II	µg/L	-/-	1/Year	Composite	ND < 0.0019	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 < 0.216	U
Fluorene	µg/L	-/-	1/Year	Composite	ND < 0.216	U
Heptachlor	µg/L	-/-	1/Year	Composite	ND < 0.0029	U
Heptachlor Epoxide	µg/L	-/-	1/Year	Composite	ND < 0.0024	U
Hexachlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.541	U
Hexachlorobutadiene	µg/L	-/-	1/Year	Composite	ND < 0.541	U
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	Composite	ND < 2.16	U
Hexachloroethane	µg/L	-/-	1/Year	Composite	ND < 0.541	U
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	Composite	ND < 1.08	U
Isophorone	µg/L	-/-	1/Year	Composite	ND < 0.541	U
Lindane (gamma-BHC)	µg/L	-/-	1/Year	Composite	ND < 0.0029	U
m,p-Xylenes	µg/L	-/-	1/Year	Grab	ND < 0.50	U
Methylene chloride	µg/L	-/-	1/Year	Grab	ND < 0.88	U
Naphthalene	µg/L	-/-	1/Year	Composite	ND < 0.541	U
Naphthalene	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Nitrobenzene	µg/L	-/-	1/Year	Composite	ND < 0.541	U
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	Composite	ND < 1.08	U
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	Composite	ND < 0.541	UJ (Q)
o-Xylene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Phenanthrene	µg/L	-/-	1/Year	Composite	ND < 0.216	U
Phenol	µg/L	-/-	1/Year	Composite	ND < 0.541	U
Pyrene	µg/L	-/-	1/Year	Composite	ND < 0.216	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
Trichlorofluoromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	UJ (C)
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>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/Quarter	Grab	ND < 0.50	U
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-/-	1/Year	Grab	ND < 1.0	UJ (C)
1,4-Dioxane	µg/L	-/-	1/Year	Composite	ND < 0.50	U
Boron	mg/L	-/-	1/Year	Composite	0.049	J (DNQ)
cis-1,2-Dichloroethene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Cobalt	µg/L	-/-	1/Year	Composite	4.8	J (DNQ)
Conductivity	µmhos/cm	-/-	1/Discharge	Grab	110	--
Cyclohexane	µg/L	-/-	1/Year	Grab	ND < 1.0	U
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	Grab	ND < 0.10	U
Dissolved Oxygen	mg/L	-/-	1/Discharge	Grab	7.51	*
E. Coli	mpn/100mL	-/-	1/Year	Grab	810	--
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	Grab	ND < 0.025	U

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ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	01/20/2017 - 01/21/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Hardness	mg/L	-/-	1/Year	Composite	50	--
Monomethyl hydrazine	µg/L	-/-	1/Year	Composite	ND < 0.25	UJ (H)
Total Organic Carbon	mg/L	-/-	1/Year	Composite	11	--
Turbidity	NTU	-/-	1/Discharge	Composite	350	J (H)
Vanadium	µg/L	-/-	1/Year	Composite	33	--
<b>ADDITIONAL POLLUTANTS</b>						
Antimony, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 0.50	UJ (H)
Arsenic, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Barium, dissolved	mg/L	-/-	Additional/Year	Composite	0.019	J (H)
Beryllium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 1.0	UJ (H)
Boron, dissolved	mg/L	-/-	Additional/Year	Composite	0.031	J (DNQ,H)
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 2.5	UJ (H)
Cobalt, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 2.5	UJ (H)
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	3.6	J (H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	Composite	27	J (H)
Human Bacteroides	CEs/100mL	-/-	Additional/Year	Grab	Present	--
Iron, dissolved	mg/L	-/-	Additional/Year	Composite	1.1	J (H,Q)
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	0.58	J (DNQ,H)
Manganese, dissolved	µg/L	-/-	Additional/Year	Composite	13	J (DNQ,H)
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 0.50	UJ (H)
Thallium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 0.50	UJ (H)
Vanadium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	UJ (H)

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ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	02/07/2017 - 02/08/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	0.077026	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-day@20 Deg. C)	mg/L	30/-	1/Discharge	Composite	1.1	J (DNQ)
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	7.55	*
Total Suspended Solids <sup>#</sup>	mg/L	45/-	1/Discharge	Composite	7.9 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0/-	1/Discharge	Grab	ND < 0.25	U
1,2-Dichloroethane	µg/L	0.5/-	1/Discharge	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	13/-	1/Discharge	Composite	ND < 0.495	U
2,4-Dinitrotoluene	µg/L	18/-	1/Discharge	Composite	ND < 1.98	U
alpha-BHC	µg/L	0.03/-	1/Discharge	Composite	ND < 0.0025	U
Antimony	µg/L	6.0/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0/-	1/Discharge	Composite	ND < 1.98	U
Cadmium	µg/L	(4.0) 3.1/-	1/Discharge	Composite	ND < 0.25 <sup>(b)</sup>	U
Chromium VI	µg/L	16/-	1/Year	ANR	ANR	ANR
Copper	µg/L	14/-	1/Discharge	Composite	3.3	--
Cyanide	µg/L	8.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	0.67	J (DNQ)
Mercury	µg/L	0.1/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	94/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16/-	1/Discharge	Composite	ND < 0.990	U
Pentachlorophenol	µg/L	16.5/-	1/Discharge	Composite	ND < 0.990	U
Selenium	µg/L	(5) 8.2/-	1/Discharge	Composite	0.57 <sup>(d)</sup>	J (DNQ)
Silver	µg/L	4.1/-	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0/-	1/Discharge	Grab	ND < 0.25	U
Zinc	µg/L	119/-	1/Discharge	Composite	11	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia	mg/L	10.1/-	1/Discharge	Composite	ND < 0.100	U
Barium	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	6.8	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass	J (H)
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	0.10	--
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3/-	1/Year	ANR	ANR	ANR
Manganese	µg/L	50/-	1/Year	ANR	ANR	ANR
Nitrate	mg/L	8/-	1/Discharge	Composite	0.86	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	0.86	--
Nitrite	mg/L	1/-	1/Discharge	Composite	ND < 0.070	U
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Settleable Solids <sup>#</sup>	ml/L	0.3/-	1/Discharge	Grab	ND < 0.10 <sup>(c)</sup>	U
Sulfate	mg/L	300/-	1/Discharge	Composite	6.7	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	58.19	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	130	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR

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 SANTA SUSANA FIELD LABORATORY  
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January 1 through March 31, 2017

ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	02/07/2017 - 02/08/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzdine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR

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ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	02/07/2017 - 02/08/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-/-	1/Year	ANR	ANR	ANR
Boron	mg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-/-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-/-	1/Discharge	Grab	150	--
Cyclohexane	µg/L	-/-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	1/Discharge	Grab	5.81	*
E. Coli	mpn/100mL	-/-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	ANR	ANR	ANR

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				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-/-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-/-	1/Discharge	Composite	32	--
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Antimony, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	6.1	J (H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Manganese, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	3.5	J (DNQ,H)



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ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	6.406813	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-day@20 Deg. C)	mg/L	30/-	1/Discharge	Composite	1.9	J (DNQ)
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	6.98	*
Total Suspended Solids <sup>#</sup>	mg/L	45/-	1/Discharge	Composite	120 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0/-	1/Discharge	Grab	ND < 0.25	U
1,2-Dichloroethane	µg/L	0.5/-	1/Discharge	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	13/-	1/Discharge	Composite	ND < 0.493	U
2,4-Dinitrotoluene	µg/L	18/-	1/Discharge	Composite	ND < 1.97	U
alpha-BHC	µg/L	0.03/-	1/Discharge	Composite	ND < 0.0025	U
Antimony	µg/L	6.0/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0/-	1/Discharge	Composite	ND < 1.97	U
Cadmium	µg/L	(4.0) 3.1/-	1/Discharge	Composite	ND < 0.25 <sup>(b)</sup>	U
Chromium VI	µg/L	16/-	1/Year	ANR	ANR	ANR
Copper	µg/L	14/-	1/Discharge	Composite	5.5	--
Cyanide	µg/L	8.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	4.1	--
Mercury	µg/L	0.1/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	94/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16/-	1/Discharge	Composite	ND < 0.985	U
Pentachlorophenol	µg/L	16.5/-	1/Discharge	Composite	ND < 0.985	U
Selenium	µg/L	(5) 8.2/-	1/Discharge	Composite	ND < 0.50 <sup>(f)</sup>	U
Silver	µg/L	4.1/-	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0/-	1/Discharge	Grab	ND < 0.25	U
Zinc	µg/L	119/-	1/Discharge	Composite	24	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia	mg/L	10.1/-	1/Discharge	Composite	ND < 0.100	U
Barium	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	3.2	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	ND < 0.050	U
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3/-	1/Year	ANR	ANR	ANR
Manganese	µg/L	50/-	1/Year	ANR	ANR	ANR
Nitrate	mg/L	8/-	1/Discharge	Composite	0.99	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	0.99	--
Nitrite	mg/L	1/-	1/Discharge	Composite	ND < 0.070	U
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Settleable Solids <sup>#</sup>	ml/L	0.3/-	1/Discharge	Grab	0.30 <sup>(c)</sup>	--
Sulfate	mg/L	300/-	1/Discharge	Composite	4.0	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	49.1	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	140	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR

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ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzdine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 001 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-/-	1/Year	ANR	ANR	ANR
Boron	mg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-/-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-/-	1/Discharge	Grab	84	--
Cyclohexane	µg/L	-/-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	1/Discharge	Grab	12.18	*
E. Coli	mpn/100mL	-/-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 001 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Period Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-/-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-/-	1/Discharge	Composite	160	--
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Antimony, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	3.6	J (H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-/-	Additional/Year	Grab	Present	--
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Manganese, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	UJ (H)

OUTFALL 001 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Sample Type: Composite  
 Sample Date: January 21, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	7.90E-07	4.80E-05	3.70E-05	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	5.50E-07	4.80E-05	2.40E-05	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	6.50E-07	4.80E-05	2.30E-06	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	4.70E-07	4.80E-05	1.50E-06	UJ (*III)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	7.50E-07	4.80E-05	2.20E-06	J (DNQ)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	4.90E-07	4.80E-05	3.20E-06	J (DNQ)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	7.20E-07	4.80E-05	2.40E-06	UJ (*III)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	4.00E-07	4.80E-05	2.30E-06	J (DNQ)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	5.10E-07	4.80E-05	1.60E-06	J (DNQ)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	8.50E-07	4.80E-05	ND	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	5.30E-07	4.80E-05	1.20E-06	UJ (*III)	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	5.70E-07	4.80E-05	2.20E-06	J (DNQ)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	5.50E-07	4.80E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	5.20E-07	9.50E-06	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	1.20E-06	9.50E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	6.20E-07	9.50E-05	2.90E-04	--	0.0001	0.01	2.9E-10
OCDF	1/Discharge	4.50E-07	9.50E-05	3.10E-05	U (B)	0.0001	0.02	ND

<b>TCDD TEQ w/out DNQ Values</b>	<b>2.9E-10</b>
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

OUTFALL 001 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Sample Type: Composite  
 Sample Date: February 8, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	2.10E-07	4.80E-05	3.20E-06	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1.40E-07	4.80E-05	1.90E-06	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1.60E-07	4.80E-05	4.10E-07	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1.10E-07	4.80E-05	2.90E-07	J (DNQ)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1.30E-07	4.80E-05	2.40E-07	UJ (*III)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1.10E-07	4.80E-05	3.00E-07	U (B)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1.10E-07	4.80E-05	4.10E-07	UJ (*III)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	8.50E-08	4.80E-05	4.10E-07	U (B)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1.00E-07	4.80E-05	2.00E-07	U (B)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	1.70E-07	4.80E-05	2.90E-07	J (DNQ)	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	1.60E-07	4.80E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	9.80E-08	4.80E-05	3.70E-07	UJ (*III)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	1.60E-07	4.80E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	1.60E-07	9.60E-06	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	2.20E-06	9.60E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	2.50E-07	9.60E-05	2.60E-05	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	1.80E-07	9.60E-05	2.70E-06	U (B)	0.0001	0.02	ND

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

OUTFALL 001 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Sample Type: Composite  
 Sample Date: February 18, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	1.70E-06	5.00E-05	5.80E-05	--	0.01	0.05	2.9E-08
1,2,3,4,6,7,8-HpCDF	1/Discharge	6.80E-07	5.00E-05	2.40E-05	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	9.40E-07	5.00E-05	8.10E-07	UJ (*III)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	4.80E-07	5.00E-05	1.10E-06	UJ (*III)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	4.50E-07	5.00E-05	1.00E-06	J (DNQ)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	5.50E-07	5.00E-05	2.30E-06	J (DNQ)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	4.50E-07	5.00E-05	1.20E-06	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	4.40E-07	5.00E-05	1.60E-06	J (DNQ)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	4.20E-07	5.00E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	5.50E-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	4.80E-07	U (B)	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	4.00E-07	5.00E-05	1.20E-06	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	4.00E-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	3.00E-07	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1/Discharge	2.50E-06	1.00E-04	6.10E-04	--	0.0001	0.01	6.1E-10
OCDF	1/Discharge	7.20E-07	1.00E-04	4.80E-05	U (B)	0.0001	0.02	ND

<b>TCDD TEQ w/out DNQ Values</b>	<b>3.0E-08</b>
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

OUTFALL 001 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	1/20/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	9.78 +/-2.64	2.10	--
Gross Beta	pCi/L	50/-	1/Discharge	3.44 +/-0.964	1.03	J (DNQ)
Radium-226 & 228	pCi/L	5.0/-	1/Discharge	1.815 +/-0.524	NM	J (B *III DNQ)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.0636 +/-0.278	0.491	U
Tritium	pCi/L	20,000/-	1/Discharge	-43.2 +/-185	342	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	1.26 +/-11.0	18.6	U
Total Uranium	pCi/L	20/-	1/Discharge	0.807 +/-0.753	0.902	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-82.0 +/-138	201	U



OUTFALL 001 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	2/8/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	0.779 +/-0.918	1.50	UJ (*III)
Gross Beta	pCi/L	50/-	1/Discharge	2.25 +/-0.811	1.08	J (DNQ)
Radium-226 & 228	pCi/L	5.0/-	1/Discharge	0.452 +/-0.311	NM	UJ (*III)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.277 +/-0.255	0.409	U
Tritium	pCi/L	20,000/-	1/Discharge	-182 +/-174	338	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	1.41 +/-8.93	15.5	U
Total Uranium	pCi/L	20/-	1/Discharge	0.0948 +/-0.1078	0.134	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	47.8 +/-88.5	145	U

OUTFALL 001 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	2/18/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	5.89 +/-1.81	1.65	J (B, *III)
Gross Beta	pCi/L	50/-	1/Discharge	7.17 +/-1.30	1.05	--
Radium-226 & 228	pCi/L	5.0/-	1/Discharge	0.485 +/-0.316	NM	UJ (B, *III)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.380 +/-0.428	0.702	U
Tritium	pCi/L	20,000/-	1/Discharge	12.2 +/-168	305	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	4.80 +/-8.95	15.2	U
Total Uranium	pCi/L	20/-	1/Discharge	0.575 +/-0.293	0.227	U (B)
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	54.2 +/-96.4	158	U

OUTFALL 001 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/20/2017 - 01/21/2017 (Grab & Composite)		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	0.291059	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481/-	1/Discharge	Composite	6.6	--
Oil & Grease	LBS/DAY	14,741/-	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222/-	1/Discharge	Composite	267 <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-Dinitrotoluene	LBS/DAY	17.7/-	1/Discharge	Composite	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8/-	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	UJ (Q)
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	UJ (H)
Copper	LBS/DAY	13.76/-	1/Discharge	Composite	0.027	--
Cyanide	LBS/DAY	8.35/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11/-	1/Discharge	Composite	0.021	--
Mercury	LBS/DAY	0.1/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4/-	1/Year	Composite	0.032	--
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	LBS/DAY	2.8E-08	1/Discharge	Composite	7.0E-13	*
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	0.14	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3/-	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983/-	1/Year	Composite	0.27	--
Chloride	LBS/DAY	147,405/-	1/Discharge	Composite	9.2	--
Chlorine, Total Residual	LBS/DAY	98.3/-	1/Year	Grab	0.05	*
Detergents (as MBAS)	LBS/DAY	491.4/-	1/Discharge	Composite	ND	UJ (H)
Fluoride	LBS/DAY	1,572.3/-	1/Year	Composite	ND	U
Iron	LBS/DAY	295/-	1/Year	Composite	44	--
Manganese	LBS/DAY	49.1/-	1/Year	Composite	0.728	--
Nitrate - N	LBS/DAY	7,862/-	1/Discharge	Composite	3.4	J (H)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862/-	1/Discharge	Composite	3.4	J (H)
Nitrite - N	LBS/DAY	983/-	1/Discharge	Composite	ND	UJ (H)
Perchlorate	LBS/DAY	5.9/-	1/Discharge	Composite	ND	U
Sulfate	LBS/DAY	294,810/-	1/Discharge	Composite	8.0	--
Total Dissolved Solids	LBS/DAY	933,567/-	1/Discharge	Composite	631	--

OUTFALL 001 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

					02/07/2017 - 02/08/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	0.077026	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481/-	1/Discharge	Composite	0.71	J (DNQ)
Oil & Grease	LBS/DAY	14,741/-	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222/-	1/Discharge	Composite	5.1 <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-Dinitrotoluene	LBS/DAY	17.7/-	1/Discharge	Composite	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8/-	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03/-	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9/-	1/Year	Composite	ANR	ANR
Arsenic	LBS/DAY	9.83/-	1/Year	Composite	ANR	ANR
Beryllium	LBS/DAY	3.93/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
Copper	LBS/DAY	13.76/-	1/Discharge	Composite	0.0021	--
Cyanide	LBS/DAY	8.35/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11/-	1/Discharge	Composite	0.00043	J (DNQ)
Mercury	LBS/DAY	0.1/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4/-	1/Year	Composite	ANR	ANR
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	0.00037 <sup>(f)</sup>	J (DNQ)
Silver	LBS/DAY	4.03/-	1/Year	Composite	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	2.8E-08	1/Discharge	Composite	ND	*
Thallium	LBS/DAY	1.97/-	1/Year	Composite	ANR	ANR
Trichloroethene	LBS/DAY	4.91/-	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117/-	1/Discharge	Composite	0.007	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3/-	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983/-	1/Year	Composite	ANR	ANR
Chloride	LBS/DAY	147,405/-	1/Discharge	Composite	4.4	--
Chlorine, Total Residual	LBS/DAY	98.3/-	1/Year	Grab	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4/-	1/Discharge	Composite	0.064	--
Fluoride	LBS/DAY	1,572.3/-	1/Year	Composite	ANR	ANR
Iron	LBS/DAY	295/-	1/Year	Composite	ANR	ANR
Manganese	LBS/DAY	49.1/-	1/Year	Composite	ANR	ANR
Nitrate - N	LBS/DAY	7,862/-	1/Discharge	Composite	0.55	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862/-	1/Discharge	Composite	0.55	--
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	4.3	--
Total Dissolved Solids	LBS/DAY	933,567/-	1/Discharge	Composite	83.5	--

OUTFALL 001 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

					02/17/2017 - 02/18/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	6.406813	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481/-	1/Discharge	Composite	102	J (DNQ)
Oil & Grease	LBS/DAY	14,741/-	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222/-	1/Discharge	Composite	6412 <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-Dinitrotoluene	LBS/DAY	17.7/-	1/Discharge	Composite	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8/-	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03/-	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9/-	1/Year	Composite	ANR	ANR
Arsenic	LBS/DAY	9.83/-	1/Year	Composite	ANR	ANR
Beryllium	LBS/DAY	3.93/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
Copper	LBS/DAY	13.76/-	1/Discharge	Composite	0.29	--
Cyanide	LBS/DAY	8.35/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11/-	1/Discharge	Composite	0.22	--
Mercury	LBS/DAY	0.1/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	2.8E-08	1/Discharge	Composite	1.6E-09	*
Thallium	LBS/DAY	1.97/-	1/Year	Composite	ANR	ANR
Trichloroethene	LBS/DAY	4.91/-	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117/-	1/Discharge	Composite	1.3	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3/-	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983/-	1/Year	Composite	ANR	ANR
Chloride	LBS/DAY	147,405/-	1/Discharge	Composite	171	--
Chlorine, Total Residual	LBS/DAY	98.3/-	1/Year	Grab	ANR	--
Detergents (as MBAS)	LBS/DAY	491.4/-	1/Discharge	Composite	ND	U
Fluoride	LBS/DAY	1,572.3/-	1/Year	Composite	ANR	ANR
Iron	LBS/DAY	295/-	1/Year	Composite	ANR	ANR
Manganese	LBS/DAY	49.1/-	1/Year	Composite	ANR	ANR
Nitrate - N	LBS/DAY	7,862/-	1/Discharge	Composite	53	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862/-	1/Discharge	Composite	53	--
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	214	--
Total Dissolved Solids	LBS/DAY	933,567/-	1/Discharge	Composite	7481	--

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/20/2017 - 01/21/2017 <sup>(g)</sup>		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	0.211154	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-day@20 Deg. C)	mg/L	30/-	1/Discharge	Composite	2.6	--
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	6.77	*
Total Suspended Solids <sup>#</sup>	mg/L	45/-	1/Discharge	Composite	110 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0/-	1/Discharge	Grab	ND < 0.25	U
1,2-Dichloroethane	µg/L	0.5/-	1/Discharge	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	13/-	1/Discharge	Composite	ND < 0.568	U
2,4-Dinitrotoluene	µg/L	18/-	1/Discharge	Composite	ND < 2.27 <sup>(b)</sup>	U
alpha-BHC	µg/L	0.03/-	1/Discharge	Composite	ND < 0.0027	U
Antimony	µg/L	6.0/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0/-	1/Discharge	Composite	ND < 2.27	U
Cadmium	µg/L	(4.0) 3.1/-	1/Discharge	Composite	ND < 0.25 <sup>(b)</sup>	U
Chromium VI	µg/L	16/-	1/Year	ANR	ANR	ANR
Copper	µg/L	14/-	1/Discharge	Composite	7.2	--
Cyanide	µg/L	8.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	4.0	--
Mercury	µg/L	0.1/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	94/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16/-	1/Discharge	Composite	ND < 1.14	U
Pentachlorophenol	µg/L	16.5/-	1/Discharge	Composite	ND < 1.14	U
Selenium	µg/L	(5) 8.2/-	1/Discharge	Composite	ND < 0.50 <sup>(f)</sup>	U
Silver	µg/L	4.1/-	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0/-	1/Discharge	Grab	ND < 0.25	U
Zinc	µg/L	119/-	1/Discharge	Composite	31	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia	mg/L	10.1/-	1/Discharge	Composite	0.333	J (H)
Barium	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	6.4	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	55.46	J (H)
Chronic Toxicity, Confirmation for TIE	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	9.29	*
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	0.063	J (DNQ,H)
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3/-	1/Year	ANR	ANR	ANR
Manganese	µg/L	50/-	1/Year	ANR	ANR	ANR
Nitrate	mg/L	8/-	1/Discharge	Composite	2.8	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	2.8	--
Nitrite	mg/L	1/-	1/Discharge	Composite	ND < 0.070	U
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Settleable Solids <sup>#</sup>	ml/L	0.3/-	1/Discharge	Grab	0.50 <sup>(c)</sup>	--
Sulfate	mg/L	300/-	1/Discharge	Composite	13	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	49.2	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	280	--
<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
1,1-Dichloroethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR

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

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/20/2017 - 01/21/2017 <sup>(g)</sup>		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,2-Dichlorobenzene	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	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Benzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Bromoform	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Bromomethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloroethane	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Chloroform	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/20/2017 - 01/21/2017 <sup>(g)</sup>		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-/-	1/Year	Grab	ND < 0.50	U
Methylene chloride	µg/L	-/-	1/Year	Grab	ND < 0.88	U
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
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	ANR	ANR	ANR
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
Trichlorofluoromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	UJ (C)
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>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/Quarter	Grab	ND < 0.50	U
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-/-	1/Year	Grab	ND < 1.0	U
1,4-Dioxane	µg/L	-/-	1/Year	ANR	ANR	ANR
Boron	mg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Cobalt	µg/L	-/-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-/-	1/Discharge	Grab	130	--
Cyclohexane	µg/L	-/-	1/Year	Grab	ND < 1.0	U
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	1/Discharge	Grab	9.30	*

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



OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/20/2017 - 01/21/2017 <sup>(g)</sup>		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
E. Coli	mpn/100mL	-/-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-/-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-/-	1/Discharge	Composite	200	J (H)
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Antimony, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	2.3	J (H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-/-	Additional/Year	Grab	Absent	UJ (H)
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Manganese, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	UJ (H)

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 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/22/2017 - 01/23/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	2.856828	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-day@20 Deg. C)	mg/L	30/-	1/Discharge	Composite	1.6	J (DNQ)
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.4	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	7.16	*
Total Suspended Solids <sup>#</sup>	mg/L	45/-	1/Discharge	Composite	31 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0/-	1/Discharge	Grab	ND < 0.25	U
1,2-Dichloroethane	µg/L	0.5/-	1/Discharge	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	13/-	1/Discharge	Composite	ND < 0.559	U
2,4-Dinitrotoluene	µg/L	18/-	1/Discharge	Composite	ND < 2.23	U
alpha-BHC	µg/L	0.03/-	1/Discharge	Composite	ND < 0.0026	U
Antimony	µg/L	6.0/-	1/Year	Composite	ND < 0.50	U
Arsenic	µg/L	10.0/-	1/Year	Composite	ND < 5.0	U
Beryllium	µg/L	4.0/-	1/Year	Composite	ND < 1.0	U
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0/-	1/Discharge	Composite	ND < 2.23	U
Cadmium	µg/L	(4.0) 3.1/-	1/Discharge	Composite	ND < 0.25 <sup>(b)</sup>	U
Chromium VI	µg/L	16/-	1/Year	Composite	ND < 0.25	U
Copper	µg/L	14/-	1/Discharge	Composite	2.1	--
Cyanide	µg/L	8.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	0.66	J (DNQ)
Mercury	µg/L	0.1/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	94/-	1/Year	Composite	ND < 5.0	U
N-Nitrosodimethylamine	µg/L	16/-	1/Discharge	Composite	ND < 1.12	U
Pentachlorophenol	µg/L	16.5/-	1/Discharge	Composite	ND < 1.12	U
Selenium	µg/L	(5) 8.2/-	1/Discharge	Composite	ND < 0.50 <sup>(f)</sup>	U
Silver	µg/L	4.1/-	1/Year	Composite	ND < 0.50	U
Thallium	µg/L	2.0/-	1/Year	Composite	ND < 0.50	U
Trichloroethene	µg/L	5.0/-	1/Discharge	Grab	ND < 0.25	U
Zinc	µg/L	119/-	1/Discharge	Composite	ND < 10	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia	mg/L	10.1/-	1/Discharge	Composite	ND < 0.100	U
Barium	mg/L	1.0/-	1/Year	Composite	0.031	--
Chloride	mg/L	150/-	1/Discharge	Composite	7.0	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	Grab	0.04	*
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass	*
Chronic Toxicity, Confirmation for TIE	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	0.13	--
Fluoride	mg/L	1.6/-	1/Year	Composite	ND < 0.25	U
Iron	mg/L	0.3/-	1/Year	Composite	0.48	J+ (Q)
Manganese	µg/L	50/-	1/Year	Composite	25	--
Nitrate	mg/L	8/-	1/Discharge	Composite	1.5	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	1.5	--
Nitrite	mg/L	1/-	1/Discharge	Composite	ND < 0.070	U
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Settleable Solids <sup>#</sup>	ml/L	0.3/-	1/Discharge	Grab	0.20 <sup>(c)</sup>	--
Sulfate	mg/L	300/-	1/Discharge	Composite	93	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	46.2	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	220	--
<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
1,1-Dichloroethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.559	U
1,2-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.223	U

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

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FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
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 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/22/2017 - 01/23/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,2-Dichlorobenzene	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 < 0.559	U
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.223	U
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.223	U
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
2,4-Dichlorophenol	µg/L	-/-	1/Year	Composite	ND < 1.12	U
2,4-Dimethylphenol	µg/L	-/-	1/Year	Composite	ND < 1.12	U
2,4-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.23	U
2,6-Dinitrotoluene	µg/L	-/-	1/Year	Composite	ND < 2.23	U
2-Chloroethylvinylether	µg/L	-/-	1/Year	Grab	ND < 1.0	U
2-Chloronaphthalene	µg/L	-/-	1/Year	Composite	ND < 0.223	U
2-Chlorophenol	µg/L	-/-	1/Year	Composite	ND < 0.559	U
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.23	U
2-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 1.12	U
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	Composite	ND < 2.23	U
4,4'-DDD	µg/L	-/-	1/Year	Composite	ND < 0.0041	U
4,4'-DDE	µg/L	-/-	1/Year	Composite	ND < 0.0031	UJ (*III)
4,4'-DDT	µg/L	-/-	1/Year	Composite	ND < 0.0041	U
4-Bromophenylphenylether	µg/L	-/-	1/Year	Composite	ND < 0.559	U
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	Composite	ND < 0.223	U
4-Chlorophenylphenylether	µg/L	-/-	1/Year	Composite	ND < 0.223	U
4-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.23	U
Acenaphthene	µg/L	-/-	1/Year	Composite	ND < 0.223	U
Acenaphthylene	µg/L	-/-	1/Year	Composite	ND < 0.223	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 < 0.0016	U
Anthracene	µg/L	-/-	1/Year	Composite	ND < 0.223	U
Aroclor 1016	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1221	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1232	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1242	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1248	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1254	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1260	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Benzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Benzidine	µg/L	-/-	1/Year	Composite	ND < 5.59	UJ (C)
Benzo(a)anthracene	µg/L	-/-	1/Year	Composite	ND < 2.23	U
Benzo(a)pyrene	µg/L	-/-	1/Year	Composite	ND < 0.559	U
Benzo(b)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 1.12	UJ (C)
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	Composite	ND < 2.23	U
Benzo(k)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 0.279	UJ (C)
beta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0041	U
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	Composite	ND < 0.223	U
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	Composite	ND < 0.223	U
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	Composite	ND < 0.223	U
Bromodichloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Bromoform	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Bromomethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Butylbenzylphthalate	µg/L	-/-	1/Year	Composite	ND < 2.23	U
Carbon Tetrachloride	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chlordane	µg/L	-/-	1/Year	Composite	ND < 0.083	U
Chlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloroethane	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Chloroform	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U

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SANTA SUSANA FIELD LABORATORY  
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/22/2017 - 01/23/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chromium	µg/L	-/-	1/Year	Composite	ND < 2.5	U
Chrysene	µg/L	-/-	1/Year	Composite	ND < 0.223	U
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
delta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0036	U
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	Composite	ND < 0.279	U
Dibromochloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Dieldrin	µg/L	-/-	1/Year	Composite	ND < 0.0021	U
Diethylphthalate	µg/L	-/-	1/Year	Composite	ND < 0.559	U
Dimethylphthalate	µg/L	-/-	1/Year	Composite	ND < 0.279	U
Di-n-butylphthalate	µg/L	-/-	1/Year	Composite	ND < 1.12	U
Di-n-octylphthalate	µg/L	-/-	1/Year	Composite	ND < 2.23	U
Endosulfan I	µg/L	-/-	1/Year	Composite	ND < 0.0031	UJ (*III)
Endosulfan II	µg/L	-/-	1/Year	Composite	ND < 0.0021	U
Endosulfan Sulfate	µg/L	-/-	1/Year	Composite	ND < 0.0031	U
Endrin	µg/L	-/-	1/Year	Composite	ND < 0.0021	U
Endrin Aldehyde	µg/L	-/-	1/Year	Composite	ND < 0.0021	U
Ethylbenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Fluoranthene	µg/L	-/-	1/Year	Composite	ND < 0.223	U
Fluorene	µg/L	-/-	1/Year	Composite	ND < 0.223	U
Heptachlor	µg/L	-/-	1/Year	Composite	ND < 0.0031	U
Heptachlor Epoxide	µg/L	-/-	1/Year	Composite	ND < 0.0026	U
Hexachlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.559	U
Hexachlorobutadiene	µg/L	-/-	1/Year	Composite	ND < 0.559	U
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	Composite	ND < 2.23	U
Hexachloroethane	µg/L	-/-	1/Year	Composite	ND < 0.559	U
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	Composite	ND < 1.12	U
Isophorone	µg/L	-/-	1/Year	Composite	ND < 0.559	U
Lindane (gamma-BHC)	µg/L	-/-	1/Year	Composite	ND < 0.0031	U
m,p-Xylenes	µg/L	-/-	1/Year	Grab	ND < 0.50	U
Methylene chloride	µg/L	-/-	1/Year	Grab	ND < 0.88	U
Naphthalene	µg/L	-/-	1/Year	Composite	ND < 0.559	U
Naphthalene	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Nitrobenzene	µg/L	-/-	1/Year	Composite	ND < 0.559	U
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	Composite	ND < 1.12	U
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	Composite	ND < 0.559	U
o-Xylene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Phenanthrene	µg/L	-/-	1/Year	Composite	ND < 0.223	U
Phenol	µg/L	-/-	1/Year	Composite	ND < 0.559	U
Pyrene	µg/L	-/-	1/Year	Composite	ND < 0.223	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 < 0.26	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
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>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/Quarter	Grab	ND < 0.50	U
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-/-	1/Year	Grab	ND < 1.0	U
1,4-Dioxane	µg/L	-/-	1/Year	Composite	ND < 0.50	U
Boron	mg/L	-/-	1/Year	Composite	0.049	J (DNQ)
cis-1,2-Dichloroethene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Cobalt	µg/L	-/-	1/Year	Composite	ND < 2.5	U
Conductivity	µmhos/cm	-/-	1/Discharge	Grab	350	--
Cyclohexane	µg/L	-/-	1/Year	Grab	ND < 1.0	U
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	Grab	ND < 0.099	U
Dissolved Oxygen	mg/L	-/-	1/Discharge	Grab	11.47	*

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/22/2017 - 01/23/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
E. Coli	mpn/100mL	-/-	1/Year	Grab	2.0	--
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	Grab	ND < 0.025	U
Hardness	mg/L	-/-	1/Year	Composite	110	--
Monomethyl hydrazine	µg/L	-/-	1/Year	Composite	ND < 0.25	UJ (H)
Total Organic Carbon	mg/L	-/-	1/Year	Composite	9.7	--
Turbidity	NTU	-/-	1/Discharge	Composite	30	--
Vanadium	µg/L	-/-	1/Year	Composite	ND < 5.0	U
<b>ADDITIONAL POLLUTANTS</b>						
Antimony, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 0.50	UJ (H)
Arsenic, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Barium, dissolved	mg/L	-/-	Additional/Year	Composite	0.026	J (H)
Beryllium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 1.0	UJ (H)
Boron, dissolved	mg/L	-/-	Additional/Year	Composite	0.064	J (H)
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 2.5	UJ (H)
Cobalt, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 2.5	UJ (H)
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	1.8	J (DNQ,H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	Composite	110	J (H)
Human Bacteroides	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	Composite	ND < 0.050	UJ (H)
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Manganese, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 10	UJ (H)
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 0.50	UJ (H)
Thallium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 0.50	UJ (H)
Vanadium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	UJ (H)

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/03/2017 - 02/04/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	0.125647	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-day@20 Deg. C)	mg/L	30/-	1/Discharge	Composite	ND < 0.50	U
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	7.13	*
Total Suspended Solids <sup>#</sup>	mg/L	45/-	1/Discharge	Composite	ND < 0.53 <sup>(c)</sup>	U
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0/-	1/Discharge	Grab	ND < 0.25	U
1,2-Dichloroethane	µg/L	0.5/-	1/Discharge	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	13/-	1/Discharge	Composite	ND < 0.503	U
2,4-Dinitrotoluene	µg/L	18/-	1/Discharge	Composite	ND < 2.01	U
alpha-BHC	µg/L	0.03/-	1/Discharge	Composite	ND < 0.0024	U
Antimony	µg/L	6.0/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0/-	1/Discharge	Composite	ND < 2.01	U
Cadmium	µg/L	(4.0) 3.1/-	1/Discharge	Composite	ND < 0.25 <sup>(b)</sup>	U
Chromium VI	µg/L	16/-	1/Year	ANR	ANR	ANR
Copper	µg/L	14/-	1/Discharge	Composite	1.3	J (DNQ)
Cyanide	µg/L	8.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	ND < 0.50	U
Mercury	µg/L	0.1/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	94/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16/-	1/Discharge	Composite	ND < 1.01	U
Pentachlorophenol	µg/L	16.5/-	1/Discharge	Composite	ND < 1.01	U
Selenium	µg/L	(5) 8.2/-	1/Discharge	Composite	0.50 <sup>(f)</sup>	J (DNQ)
Silver	µg/L	4.1/-	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0/-	1/Discharge	Grab	ND < 0.25	U
Zinc	µg/L	119/-	1/Discharge	Composite	2.9	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia	mg/L	10.1/-	1/Discharge	Composite	ND < 0.100	U
Barium	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	30	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass	J (H)
Chronic Toxicity, Confirmation for TIE	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	0.059	J (DNQ)
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3/-	1/Year	ANR	ANR	ANR
Manganese	µg/L	50/-	1/Year	ANR	ANR	ANR
Nitrate	mg/L	8/-	1/Discharge	Composite	0.17	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	0.17	--
Nitrite	mg/L	1/-	1/Discharge	Composite	ND < 0.070	U
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Settleable Solids <sup>#</sup>	ml/L	0.3/-	1/Discharge	Grab	ND < 0.10 <sup>(c)</sup>	UJ (H)
Sulfate	mg/L	300/-	1/Discharge	Composite	180	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	49.2	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	490	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR

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

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/03/2017 - 02/04/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/03/2017 - 02/04/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-/-	1/Year	ANR	ANR	ANR
Boron	mg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-/-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-/-	1/Discharge	Grab	720	--
Cyclohexane	µg/L	-/-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	1/Discharge	Grab	9.52	*



OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

				02/03/2017 - 02/04/2017		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
E. Coli	mpn/100mL	-/-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-/-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-/-	1/Discharge	Composite	0.83	--
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Antimony, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	0.98	J (DNQ, H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Manganese, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	0.67	J (DNQ, H)
Silver, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 2.5	UJ (H)

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/11/2017 - 02/12/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	1.930456	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-day@20 Deg. C)	mg/L	30/-	1/Discharge	Composite	1.4	J (DNQ)
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	7.16	*
Total Suspended Solids <sup>#</sup>	mg/L	45/-	1/Discharge	Composite	ND < 0.53 <sup>(c)</sup>	U
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0/-	1/Discharge	Grab	ND < 0.25	U
1,2-Dichloroethane	µg/L	0.5/-	1/Discharge	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	13/-	1/Discharge	Composite	ND < 0.546	U
2,4-Dinitrotoluene	µg/L	18/-	1/Discharge	Composite	ND < 2.19	U
alpha-BHC	µg/L	0.03/-	1/Discharge	Composite	ND < 0.0026	U
Antimony	µg/L	6.0/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0/-	1/Discharge	Composite	ND < 2.19	U
Cadmium	µg/L	(4.0) 3.1/-	1/Discharge	Composite	ND < 0.25 <sup>(b)</sup>	U
Chromium VI	µg/L	16/-	1/Year	ANR	ANR	ANR
Copper	µg/L	14/-	1/Discharge	Composite	1.7	J (DNQ)
Cyanide	µg/L	8.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	ND < 0.50	U
Mercury	µg/L	0.1/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	94/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16/-	1/Discharge	Composite	ND < 1.09	U
Pentachlorophenol	µg/L	16.5/-	1/Discharge	Composite	ND < 1.09	U
Selenium	µg/L	(5) 8.2/-	1/Discharge	Composite	ND < 0.50 <sup>(f)</sup>	U
Silver	µg/L	4.1/-	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0/-	1/Discharge	Grab	0.51	--
Zinc	µg/L	119/-	1/Discharge	Composite	ND < 10	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia	mg/L	10.1/-	1/Discharge	Composite	ND < 0.100	U
Barium	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	9.5	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Chronic Toxicity, Confirmation for TIE	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	0.065	J (DNQ)
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3/-	1/Year	ANR	ANR	ANR
Manganese	µg/L	50/-	1/Year	ANR	ANR	ANR
Nitrate	mg/L	8/-	1/Discharge	Composite	0.82	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	0.82	--
Nitrite	mg/L	1/-	1/Discharge	Composite	ND < 0.070	U
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Settleable Solids <sup>#</sup>	ml/L	0.3/-	1/Discharge	Grab	ND < 0.10 <sup>(c)</sup>	U
Sulfate	mg/L	300/-	1/Discharge	Composite	110	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	54.00	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	280	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR

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

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/11/2017 - 02/12/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR

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 SANTA SUSANA FIELD LABORATORY  
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January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/11/2017 - 02/12/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-/-	1/Year	ANR	ANR	ANR
Boron	mg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-/-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-/-	1/Discharge	Grab	380	--
Cyclohexane	µg/L	-/-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	1/Discharge	Grab	6.54	*

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 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
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January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/11/2017 - 02/12/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
E. Coli	mpn/100mL	-/-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-/-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-/-	1/Discharge	Composite	0.65	--
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Antimony, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	1.7	J (DNQ, H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Manganese, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	UJ (H)

OUTFALL 002 (SOUTH SLOPE)

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THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	3.712138	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-day@20 Deg. C)	mg/L	30/-	1/Discharge	Composite	1.4	J (DNQ)
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	7.69	*
Total Suspended Solids <sup>#</sup>	mg/L	45/-	1/Discharge	Composite	67 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0/-	1/Discharge	Grab	ND < 0.25	U
1,2-Dichloroethane	µg/L	0.5/-	1/Discharge	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	13/-	1/Discharge	Composite	ND < 0.508	U
2,4-Dinitrotoluene	µg/L	18/-	1/Discharge	Composite	ND < 2.03	U
alpha-BHC	µg/L	0.03/-	1/Discharge	Composite	ND < 0.0026	U
Antimony	µg/L	6.0/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0/-	1/Discharge	Composite	ND < 2.03	U
Cadmium	µg/L	(4.0) 3.1/-	1/Discharge	Composite	ND < 0.25 <sup>(b)</sup>	U
Chromium VI	µg/L	16/-	1/Year	ANR	ANR	ANR
Copper	µg/L	14/-	1/Discharge	Composite	4.1	--
Cyanide	µg/L	8.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	1.9	--
Mercury	µg/L	0.1/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	94/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16/-	1/Discharge	Composite	ND < 1.02	U
Pentachlorophenol	µg/L	16.5/-	1/Discharge	Composite	ND < 1.02	U
Selenium	µg/L	(5) 8.2/-	1/Discharge	Composite	ND < 0.50 <sup>(f)</sup>	U
Silver	µg/L	4.1/-	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0/-	1/Discharge	Grab	ND < 0.25	U
Zinc	µg/L	119/-	1/Discharge	Composite	14	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia	mg/L	10.1/-	1/Discharge	Composite	ND < 0.100	U
Barium	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	7.6	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Chronic Toxicity, Confirmation for TIE	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	ND < 0.050	R (D)
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3/-	1/Year	ANR	ANR	ANR
Manganese	µg/L	50/-	1/Year	ANR	ANR	ANR
Nitrate	mg/L	8/-	1/Discharge	Composite	0.87	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	0.87	--
Nitrite	mg/L	1/-	1/Discharge	Composite	ND < 0.070	U
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Settleable Solids <sup>#</sup>	ml/L	0.3/-	1/Discharge	Grab	ND < 0.10 <sup>(c)</sup>	U
Sulfate	mg/L	300/-	1/Discharge	Composite	62	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	52.16	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	230	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-/-	1/Year	ANR	ANR	ANR
Boron	mg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-/-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-/-	1/Discharge	Grab	460	--
Cyclohexane	µg/L	-/-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	1/Discharge	Grab	6.36	*



OUTFALL 002 (SOUTH SLOPE)

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 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
E. Coli	mpn/100mL	-/-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-/-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-/-	1/Discharge	Composite	140	--
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Antimony, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	1.5	J (DNQ, H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Manganese, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	UJ (H)

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 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/26/2017 - 02/27/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	1.550950	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-day@20 Deg. C)	mg/L	30/-	1/Discharge	Composite	1.5	J (DNQ)
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	7.43	*
Total Suspended Solids <sup>#</sup>	mg/L	45/-	1/Discharge	Composite	ND < 0.50 <sup>(c)</sup>	U
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0/-	1/Discharge	Grab	ND < 0.25	U
1,2-Dichloroethane	µg/L	0.5/-	1/Discharge	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	13/-	1/Discharge	Composite	ND < 0.503	U
2,4-Dinitrotoluene	µg/L	18/-	1/Discharge	Composite	ND < 2.01	U
alpha-BHC	µg/L	0.03/-	1/Discharge	Composite	ND < 0.0025	U
Antimony	µg/L	6.0/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0/-	1/Discharge	Composite	ND < 2.01	U
Cadmium	µg/L	(4.0) 3.1/-	1/Discharge	Composite	ND < 0.25 <sup>(a)</sup>	U
Chromium VI	µg/L	16/-	1/Year	ANR	ANR	ANR
Copper	µg/L	14/-	1/Discharge	Composite	2.2	--
Cyanide	µg/L	8.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	ND < 0.50	U
Mercury	µg/L	0.1/-	1/Discharge	Composite	ND < 0.10	U (\$)
Nickel	µg/L	94/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16/-	1/Discharge	Composite	ND < 1.01	U
Pentachlorophenol	µg/L	16.5/-	1/Discharge	Composite	ND < 1.01	U
Selenium	µg/L	(5) 8.2/-	1/Discharge	Composite	ND < 0.50 <sup>(e)</sup>	U
Silver	µg/L	4.1/-	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0/-	1/Discharge	Grab	0.56	--
Zinc	µg/L	119/-	1/Discharge	Composite	ND < 10	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia	mg/L	10.1/-	1/Discharge	Composite	ND < 0.100	U
Barium	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	11	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Chronic Toxicity, Confirmation for TIE	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	ND < 0.050	U
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3/-	1/Year	ANR	ANR	ANR
Manganese	µg/L	50/-	1/Year	ANR	ANR	ANR
Nitrate	mg/L	8/-	1/Discharge	Composite	1.0	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	1.0	--
Nitrite	mg/L	1/-	1/Discharge	Composite	ND < 0.070	U
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Settleable Solids <sup>#</sup>	ml/L	0.3/-	1/Discharge	Grab	ND < 0.10 <sup>(c)</sup>	U
Sulfate	mg/L	300/-	1/Discharge	Composite	110	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	45.7	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	260	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 002 (SOUTH SLOPE)

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 SANTA SUSANA FIELD LABORATORY  
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/26/2017 - 02/27/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR

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THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/26/2017 - 02/27/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-/-	1/Year	ANR	ANR	ANR
Boron	mg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-/-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-/-	1/Discharge	Grab	400	--
Cyclohexane	µg/L	-/-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	1/Discharge	Grab	10.84	*

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/26/2017 - 02/27/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
E. Coli	mpn/100mL	-/-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-/-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-/-	1/Discharge	Composite	1.2	--
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Antimony, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	U
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	2.0	--
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	U
Manganese, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	U
Nickel, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	U
Silver, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	U

**OUTFALL 002 (SOUTH SLOPE)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Type: Composite  
Sample Date: January 21, 2017**

<b>ANALYTE</b>	<b>SAMPLE FREQUENCY</b>	<b>LAB MDL (µg/L)</b>	<b>LAB RL (µg/L)</b>	<b>LAB RESULT (µg/L)</b>	<b>VALIDATION QUALIFIER</b>	<b>1998 WHO TEF</b>	<b>BEF Great Lakes Water Quality Initiative</b>	<b>TCDD Equivalent (w/out DNQ Values) (µg/L)</b>
1,2,3,4,6,7,8-HpCDD	1/Discharge	8.40E-07	5.30E-05	2.40E-05	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	3.60E-07	5.30E-05	9.50E-06	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	4.10E-07	5.30E-05	3.30E-06	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	5.40E-07	5.30E-05	2.60E-06	UJ (*III)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	8.00E-07	5.30E-05	2.40E-06	UJ (*III)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	5.90E-07	5.30E-05	3.50E-06	J (DNQ)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	7.60E-07	5.30E-05	3.00E-06	J (DNQ)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	4.70E-07	5.30E-05	3.10E-06	J (DNQ)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	5.70E-07	5.30E-05	2.80E-06	J (DNQ)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	7.30E-07	5.30E-05	2.50E-06	J (DNQ)	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	5.50E-07	5.30E-05	2.40E-06	J (DNQ)	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	5.70E-07	5.30E-05	2.30E-06	UJ (*III)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	5.40E-07	5.30E-05	1.80E-06	UJ (*III)	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	4.70E-07	1.10E-05	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	2.70E-06	1.10E-05	ND	U	0.1	0.8	ND
OCDD	1/Discharge	8.10E-07	1.10E-04	2.30E-04	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	5.90E-07	1.10E-04	2.90E-05	U (B)	0.0001	0.02	ND

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

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Sample Type: Composite  
 Sample Date: January 23, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	4.70E-07	5.10E-05	9.60E-06	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	2.70E-07	5.10E-05	3.10E-06	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	3.20E-07	5.10E-05	4.90E-07	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	4.70E-07	5.10E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	5.00E-07	5.10E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	5.10E-07	5.10E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	4.80E-07	5.10E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	4.10E-07	5.10E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	3.40E-07	5.10E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	6.20E-07	5.10E-05	ND	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	4.40E-07	5.10E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	3.80E-07	5.10E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	4.50E-07	5.10E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	4.80E-07	1.00E-05	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	1.10E-06	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1/Discharge	5.20E-07	1.00E-04	9.90E-05	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	3.40E-07	1.00E-04	8.50E-06	U (B)	0.0001	0.02	ND

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

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Sample Type: Composite  
 Sample Date: February 4, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	2.80E-07	4.80E-05	3.30E-06	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	2.70E-07	4.80E-05	1.40E-06	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	3.30E-07	4.80E-05	5.50E-07	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1.50E-07	4.80E-05	3.10E-07	U (B)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1.20E-07	4.80E-05	4.60E-07	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1.50E-07	4.80E-05	6.40E-07	U (B)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1.20E-07	4.80E-05	5.00E-07	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1.20E-07	4.80E-05	3.90E-07	U (B)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	9.70E-08	4.80E-05	3.60E-07	U (B)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	2.40E-07	4.80E-05	ND	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	1.30E-07	4.80E-05	2.30E-07	U (B)	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	9.90E-08	4.80E-05	2.80E-07	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	1.30E-07	4.80E-05	2.40E-07	U (B)	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	2.00E-07	9.50E-06	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	2.10E-06	9.50E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	2.30E-07	9.50E-05	2.00E-05	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	1.30E-07	9.50E-05	6.50E-06	U (B)	0.0001	0.02	ND

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



**OUTFALL 002 (SOUTH SLOPE)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Type: Composite  
Sample Date: February 12, 2017**

<b>ANALYTE</b>	<b>SAMPLE FREQUENCY</b>	<b>LAB MDL (µg/L)</b>	<b>LAB RL (µg/L)</b>	<b>LAB RESULT (µg/L)</b>	<b>VALIDATION QUALIFIER</b>	<b>1998 WHO TEF</b>	<b>BEF Great Lakes Water Quality Initiative</b>	<b>TCDD Equivalent (w/out DNQ Values) (µg/L)</b>
1,2,3,4,6,7,8-HpCDD	1/Discharge	1.70E-07	4.90E-05	1.60E-06	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	9.40E-08	4.90E-05	4.40E-07	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1.20E-07	4.90E-05	3.20E-07	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1.30E-07	4.90E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1.10E-07	4.90E-05	2.70E-07	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1.30E-07	4.90E-05	3.00E-07	U (B)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1.10E-07	4.90E-05	2.70E-07	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1.10E-07	4.90E-05	2.30E-07	U (B)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	9.90E-08	4.90E-05	3.10E-07	U (B)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	1.50E-07	4.90E-05	ND	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	1.40E-07	4.90E-05	2.80E-07	U (B)	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	9.30E-08	4.90E-05	1.90E-07	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	1.40E-07	4.90E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	1.80E-07	9.80E-06	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	9.80E-07	9.80E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	1.80E-07	9.80E-05	8.00E-06	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	1.50E-07	9.80E-05	1.10E-06	U (B)	0.0001	0.02	ND

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

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Sample Type: Composite  
 Sample Date: February 18, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	1.40E-06	5.00E-05	4.10E-05	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	8.00E-07	5.00E-05	1.00E-05	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1.00E-06	5.00E-05	2.60E-06	J (DNQ)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	5.30E-07	5.00E-05	1.70E-06	UJ (*III)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	4.30E-07	5.00E-05	1.40E-06	UJ (*III)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	6.00E-07	5.00E-05	3.40E-06	J (DNQ)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	4.20E-07	5.00E-05	2.00E-06	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	4.80E-07	5.00E-05	2.20E-06	UJ (*III)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	4.20E-07	5.00E-05	1.90E-06	U (B)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	7.40E-07	5.00E-05	1.60E-06	UJ (*III)	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	5.90E-07	5.00E-05	1.70E-06	U (B)	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	3.80E-07	5.00E-05	2.00E-06	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	6.10E-07	5.00E-05	1.70E-06	UJ (*III)	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	4.30E-07	1.00E-05	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	8.20E-07	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1/Discharge	2.20E-06	1.00E-04	4.70E-04	--	0.0001	0.01	4.7E-10
OCDF	1/Discharge	1.20E-06	1.00E-04	3.20E-05	U (B)	0.0001	0.02	ND

<b>TCDD TEQ w/out DNQ Values</b>	<b>4.7E-10</b>
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

**OUTFALL 002 (SOUTH SLOPE)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Type: Composite  
Sample Date: February 27, 2017**

<b>ANALYTE</b>	<b>SAMPLE FREQUENCY</b>	<b>LAB MDL (µg/L)</b>	<b>LAB RL (µg/L)</b>	<b>LAB RESULT (µg/L)</b>	<b>VALIDATION QUALIFIER</b>	<b>1998 WHO TEF</b>	<b>BEF Great Lakes Water Quality Initiative</b>	<b>TCDD Equivalent (w/out DNQ Values) (µg/L)</b>
1,2,3,4,6,7,8-HpCDD	1/Discharge	4.20E-07	5.00E-05	1.50E-06	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	2.50E-07	5.00E-05	7.30E-07	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	3.80E-07	5.00E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	2.80E-07	5.00E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	2.70E-07	5.00E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	2.40E-07	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	2.30E-07	5.00E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	2.10E-07	5.00E-05	3.70E-07	UJ (*III)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	2.60E-07	5.00E-05	7.70E-07	U (B)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	2.80E-07	5.00E-05	ND	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	2.30E-07	5.00E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	2.10E-07	5.00E-05	3.90E-07	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	2.50E-07	5.00E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	2.30E-07	1.00E-05	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	1.50E-07	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1/Discharge	3.30E-07	1.00E-04	7.60E-06	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	3.90E-07	1.00E-04	1.80E-06	U (B)	0.0001	0.02	ND

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

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	1/21/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	5.27 ± 1.83	1.83	J (B, *III)
Gross Beta	pCi/L	50/-	1/Discharge	9.34 ± 1.56	1.22	--
Total Combined Radium-226 & Radium-228	pCi/L	5.0/-	1/Discharge	2.55 ± 1.90	NM	U
Strontium-90	pCi/L	8.0/-	1/Discharge	0.106 ± 0.322	0.557	U
Tritium	pCi/L	20,000/-	1/Discharge	50.5 ± 170	299	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	-4.06 ± 9.99	17.1	U
Total Uranium	pCi/L	20/-	1/Discharge	0.887 ± 0.726	0.720	U (B)
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-77.3 ± 119	193	U

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 THE BOEING COMPANY  
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	1/23/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	1.59 ± 1.30	1.98	UJ (*III)
Gross Beta	pCi/L	50/-	1/Discharge	4.35 ± 0.983	0.978	--
Total Combined Radium-226 & Radium-228	pCi/L	5.0/-	1/Discharge	0.536 ± 0.424	NM	UJ (*III)
Strontium-90	pCi/L	8.0/-	1/Discharge	-0.435 ± 0.262	0.546	U
Tritium	pCi/L	20,000/-	1/Discharge	-1.80 ± 166	302	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	-1.76 ± 11.6	13.9	U
Total Uranium	pCi/L	20/-	1/Discharge	0.358 ± 0.553	0.860	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-84.4 ± 190	248	U

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

				2/04/2017 (Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	-0.524 ± 2.53	5.03	UJ (*III)
Gross Beta	pCi/L	50/-	1/Discharge	4.66 ± 1.48	1.79	--
Total Combined Radium-226 & Radium-228	pCi/L	5.0/-	1/Discharge	0.574 ± 0.346	NM	U
Strontium-90	pCi/L	8.0/-	1/Discharge	0.345 ± 0.293	0.468	U
Tritium	pCi/L	20,000/-	1/Discharge	-118 ± 172	323	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	6.01 ± 10.4	17.5	U
Total Uranium	pCi/L	20/-	1/Discharge	2.62 ± 0.516	0.119	--
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	52.0 ± 98.4	161	U

OUTFALL 002 (SOUTH SLOPE)

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 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

				2/12/2017 (Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	0.113 ± 1.25	2.30	UJ (*III)
Gross Beta	pCi/L	50/-	1/Discharge	3.42 ± 0.880	0.975	J (DNQ)
Total Combined Radium-226 & Radium-228	pCi/L	5.0/-	1/Discharge	0.552 ± 0.318	NM	UJ (*III)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.0146 ± 0.174	0.309	U
Tritium	pCi/L	20,000/-	1/Discharge	-98.2 ± 171	324	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	-1.89 ± 9.30	13.4	U
Total Uranium	pCi/L	20/-	1/Discharge	0.266 ± 0.1601	0.0981	U (B)
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-40.2 ± 134	184	U

OUTFALL 002 (SOUTH SLOPE)

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 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	2/18/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	4.56 ± 1.60	1.44	J (B, *III)
Gross Beta	pCi/L	50/-	1/Discharge	4.20 ± 1.00	1.03	--
Total Combined Radium-226 & Radium-228	pCi/L	5.0/-	1/Discharge	0.426 ± 0.287	NM	UJ (B, *III)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.349 ± 0.370	0.602	U
Tritium	pCi/L	20,000/-	1/Discharge	-31.1 ± 164	307	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	2.17 ± 7.55	13.0	U
Total Uranium	pCi/L	20/-	1/Discharge	0.574 ± 0.248	0.167	U (B)
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-18.6 ± 111	166	U



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 NPDES PERMIT CA0001309

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	2/27/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	0.506 ± 0.871	1.53	UJ (*III)
Gross Beta	pCi/L	50/-	1/Discharge	1.73 ± 0.715	0.967	J (DNQ)
Total Combined Radium-226 & Radium-228	pCi/L	5.0/-	1/Discharge	0.460 ± 0.256	NM	UJ (B, *III)
Strontium-90	pCi/L	8.0/-	1/Discharge	-0.0502 ± 0.178	0.323	U
Tritium	pCi/L	20,000/-	1/Discharge	-90.1 ± 179	333	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	2.42 ± 7.98	10.9	U
Total Uranium	pCi/L	20/-	1/Discharge	0.294 ± 0.197	0.188	U (B)
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-82.2 ± 154	238	U

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

					01/20/2017 - 01/21/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	0.211154	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481/-	1/Discharge	Composite	4.6	--
Oil & Grease	LBS/DAY	14,741/-	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222/-	1/Discharge	Composite	194 <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-Dinitrotoluene	LBS/DAY	17.7/-	1/Discharge	Composite	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8/-	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03/-	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9/-	1/Year	Composite	ANR	ANR
Arsenic	LBS/DAY	9.83/-	1/Year	Composite	ANR	ANR
Beryllium	LBS/DAY	3.93/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
Copper	LBS/DAY	13.76/-	1/Discharge	Composite	0.013	--
Cyanide	LBS/DAY	8.35/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11/-	1/Discharge	Composite	0.0070	--
Mercury	LBS/DAY	0.1/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	2.8E-08	1/Discharge	Composite	ND	*
Thallium	LBS/DAY	1.97/-	1/Year	Composite	ANR	ANR
Trichloroethene	LBS/DAY	4.91/-	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117/-	1/Discharge	Composite	0.055	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3/-	1/Discharge	Composite	0.586	J (H)
Barium	LBS/DAY	983/-	1/Year	Composite	ANR	ANR
Chloride	LBS/DAY	147,405/-	1/Discharge	Composite	11	--
Chlorine, Total Residual	LBS/DAY	98.3/-	1/Year	Grab	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4/-	1/Discharge	Composite	0.11	J (DNQ,H)
Fluoride	LBS/DAY	1,572.3/-	1/Year	Composite	ANR	ANR
Iron	LBS/DAY	295/-	1/Year	Composite	ANR	ANR
Manganese	LBS/DAY	49.1/-	1/Year	Composite	ANR	ANR
Nitrate - N	LBS/DAY	7,862/-	1/Discharge	Composite	4.9	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862/-	1/Discharge	Composite	4.9	--
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	23	--
Total Dissolved Solids	LBS/DAY	933,567/-	1/Discharge	Composite	493	--

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

					01/22/2017 - 01/23/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	2.856828	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481/-	1/Discharge	Composite	2.8	J (DNQ)
Oil & Grease	LBS/DAY	14,741/-	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222/-	1/Discharge	Composite	55 <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-Dinitrotoluene	LBS/DAY	17.7/-	1/Discharge	Composite	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8/-	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	0.050	--
Cyanide	LBS/DAY	8.35/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11/-	1/Discharge	Composite	0.016	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	LBS/DAY	2.8E-08	1/Discharge	Composite	ND	*
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	0.74	--
Chloride	LBS/DAY	147,405/-	1/Discharge	Composite	167	--
Chlorine, Total Residual	LBS/DAY	98.3/-	1/Year	Grab	0.95	*
Detergents (as MBAS)	LBS/DAY	491.4/-	1/Discharge	Composite	3.1	--
Fluoride	LBS/DAY	1,572.3/-	1/Year	Composite	ND	U
Iron	LBS/DAY	295/-	1/Year	Composite	11	J+ (Q)
Manganese	LBS/DAY	49.1/-	1/Year	Composite	0.60	--
Nitrate - N	LBS/DAY	7,862/-	1/Discharge	Composite	36	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862/-	1/Discharge	Composite	36	--
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	2216	--
Total Dissolved Solids	LBS/DAY	933,567/-	1/Discharge	Composite	5242	--

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FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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January 1 through March 31, 2017

					02/03/2017 - 02/04/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	0.125647	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481/-	1/Discharge	Composite	ND	U
Oil & Grease	LBS/DAY	14,741/-	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222/-	1/Discharge	Composite	ND <sup>(c)</sup>	U
<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-Dinitrotoluene	LBS/DAY	17.7/-	1/Discharge	Composite	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8/-	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03/-	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9/-	1/Year	Composite	ANR	ANR
Arsenic	LBS/DAY	9.83/-	1/Year	Composite	ANR	ANR
Beryllium	LBS/DAY	3.93/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
Copper	LBS/DAY	13.76/-	1/Discharge	Composite	0.0014	J (DNQ)
Cyanide	LBS/DAY	8.35/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11/-	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.1/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4/-	1/Year	Composite	ANR	ANR
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	0.00052 <sup>(f)</sup>	J (DNQ)
Silver	LBS/DAY	4.03/-	1/Year	Composite	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	2.8E-08	1/Discharge	Composite	ND	*
Thallium	LBS/DAY	1.97/-	1/Year	Composite	ANR	ANR
Trichloroethene	LBS/DAY	4.91/-	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117/-	1/Discharge	Composite	0.0030	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3/-	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983/-	1/Year	Composite	ANR	ANR
Chloride	LBS/DAY	147,405/-	1/Discharge	Composite	31	--
Chlorine, Total Residual	LBS/DAY	98.3/-	1/Year	Grab	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4/-	1/Discharge	Composite	0.062	J (DNQ)
Fluoride	LBS/DAY	1,572.3/-	1/Year	Composite	ANR	ANR
Iron	LBS/DAY	295/-	1/Year	Composite	ANR	ANR
Manganese	LBS/DAY	49.1/-	1/Year	Composite	ANR	ANR
Nitrate - N	LBS/DAY	7,862/-	1/Discharge	Composite	0.18	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862/-	1/Discharge	Composite	0.18	--
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	189	--
Total Dissolved Solids	LBS/DAY	933,567/-	1/Discharge	Composite	513	--

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

					02/11/2017 - 02/12/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	1.930456	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481/-	1/Discharge	Composite	23	J (DNQ)
Oil & Grease	LBS/DAY	14,741/-	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222/-	1/Discharge	Composite	ND <sup>(c)</sup>	U
<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-Dinitrotoluene	LBS/DAY	17.7/-	1/Discharge	Composite	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8/-	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03/-	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9/-	1/Year	Composite	ANR	ANR
Arsenic	LBS/DAY	9.83/-	1/Year	Composite	ANR	ANR
Beryllium	LBS/DAY	3.93/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
Copper	LBS/DAY	13.76/-	1/Discharge	Composite	0.027	J (DNQ)
Cyanide	LBS/DAY	8.35/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11/-	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.1/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	2.8E-08	1/Discharge	Composite	ND	*
Thallium	LBS/DAY	1.97/-	1/Year	Composite	ANR	ANR
Trichloroethene	LBS/DAY	4.91/-	1/Discharge	Grab	0.0082	--
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	ANR	ANR
Chloride	LBS/DAY	147,405/-	1/Discharge	Composite	153	--
Chlorine, Total Residual	LBS/DAY	98.3/-	1/Year	Grab	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4/-	1/Discharge	Composite	1.0	J (DNQ)
Fluoride	LBS/DAY	1,572.3/-	1/Year	Composite	ANR	ANR
Iron	LBS/DAY	295/-	1/Year	Composite	ANR	ANR
Manganese	LBS/DAY	49.1/-	1/Year	Composite	ANR	ANR
Nitrate - N	LBS/DAY	7,862/-	1/Discharge	Composite	13	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862/-	1/Discharge	Composite	13	--
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	1771	--
Total Dissolved Solids	LBS/DAY	933,567/-	1/Discharge	Composite	4508	--

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

					02/17/2017 - 02/18/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	3.712138	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481/-	1/Discharge	Composite	46	J (DNQ)
Oil & Grease	LBS/DAY	14,741/-	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222/-	1/Discharge	Composite	2074 <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-Dinitrotoluene	LBS/DAY	17.7/-	1/Discharge	Composite	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8/-	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03/-	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9/-	1/Year	Composite	ANR	ANR
Arsenic	LBS/DAY	9.83/-	1/Year	Composite	ANR	ANR
Beryllium	LBS/DAY	3.93/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
Copper	LBS/DAY	13.76/-	1/Discharge	Composite	0.13	--
Cyanide	LBS/DAY	8.35/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11/-	1/Discharge	Composite	0.059	--
Mercury	LBS/DAY	0.1/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	2.8E-08	1/Discharge	Composite	1.5E-11	*
Thallium	LBS/DAY	1.97/-	1/Year	Composite	ANR	ANR
Trichloroethene	LBS/DAY	4.91/-	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117/-	1/Discharge	Composite	0.43	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3/-	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983/-	1/Year	Composite	ANR	ANR
Chloride	LBS/DAY	147,405/-	1/Discharge	Composite	235	--
Chlorine, Total Residual	LBS/DAY	98.3/-	1/Year	Grab	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4/-	1/Discharge	Composite	ND	R (D)
Fluoride	LBS/DAY	1,572.3/-	1/Year	Composite	ANR	ANR
Iron	LBS/DAY	295/-	1/Year	Composite	ANR	ANR
Manganese	LBS/DAY	49.1/-	1/Year	Composite	ANR	ANR
Nitrate - N	LBS/DAY	7,862/-	1/Discharge	Composite	27	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862/-	1/Discharge	Composite	27	--
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	1919	--
Total Dissolved Solids	LBS/DAY	933,567/-	1/Discharge	Composite	7121	--

OUTFALL 002 (SOUTH SLOPE)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

					02/26/2017 - 02/27/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	1.55095	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481/-	1/Discharge	Composite	2.6	J (DNQ)
Oil & Grease	LBS/DAY	14,741/-	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222/-	1/Discharge	Composite	ND <sup>(c)</sup>	U
<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-Dinitrotoluene	LBS/DAY	17.7/-	1/Discharge	Composite	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8/-	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03/-	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9/-	1/Year	Composite	ANR	ANR
Arsenic	LBS/DAY	9.83/-	1/Year	Composite	ANR	ANR
Beryllium	LBS/DAY	3.93/-	1/Year	Composite	ANR	ANR
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>(a)</sup>	U
Chromium VI	LBS/DAY	15.72/-	1/Year	Composite	ANR	ANR
Copper	LBS/DAY	13.76/-	1/Discharge	Composite	0.028	--
Cyanide	LBS/DAY	8.35/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11/-	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.1/-	1/Discharge	Composite	ND	U (\$)
Nickel	LBS/DAY	92.4/-	1/Year	Composite	ANR	ANR
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>(e)</sup>	U
Silver	LBS/DAY	4.03/-	1/Year	Composite	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	2.8E-08	1/Discharge	Composite	ND	*
Thallium	LBS/DAY	1.97/-	1/Year	Composite	ANR	ANR
Trichloroethene	LBS/DAY	4.91/-	1/Discharge	Grab	0.0072	--
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	ANR	ANR
Chloride	LBS/DAY	147,405/-	1/Discharge	Composite	142	--
Chlorine, Total Residual	LBS/DAY	98.3/-	1/Year	Grab	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4/-	1/Discharge	Composite	ND	U
Fluoride	LBS/DAY	1,572.3/-	1/Year	Composite	ANR	ANR
Iron	LBS/DAY	295/-	1/Year	Composite	ANR	ANR
Manganese	LBS/DAY	49.1/-	1/Year	Composite	ANR	ANR
Nitrate - N	LBS/DAY	7,862/-	1/Discharge	Composite	13	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862/-	1/Discharge	Composite	13	--
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	1423	--
Total Dissolved Solids	LBS/DAY	933,567/-	1/Discharge	Composite	3363	--

OUTFALL 004 (SODIUM REACTOR EXPERIMENT AREA)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	64.33/-	1/Discharge	Meas	0.208782	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	7.39	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0/-	1/Discharge	Composite	ND < 0.50	U
Cadmium	µg/L	4.0/-	1/Discharge	Composite	ND < 0.25	U
Copper	µg/L	13/-	1/Discharge	Composite	3.3	--
Cyanide	µg/L	9.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	1.1	--
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	28	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0/-	1/Year	Composite	0.033	J (DNQ)
Chloride	mg/L	150/-	1/Discharge	Composite	2.6	--
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass	J (H)
Fluoride	mg/L	1.6/-	1/Year	Composite	ND < 0.25	U
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1/Discharge	Composite	0.63	--
Perchlorate	µg/L	6.0/-	1/Semiannual	Composite	ND < 0.95	U
Sulfate	mg/L	250/-	1/Discharge	Composite	3.0	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	50.07	*
Total Dissolved Solids	mg/L	850/-	1/Discharge	Composite	68	--
<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
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 < 0.529	U
1,2-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.212	U
1,2-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	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 < 0.529	U
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.212	U
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.212	U
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	-/-	1/Year	Composite	ND < 0.529	U
2,4-Dichlorophenol	µg/L	-/-	1/Year	Composite	ND < 1.06	U
2,4-Dimethylphenol	µg/L	-/-	1/Year	Composite	ND < 1.06	U
2,4-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.12	U
2,4-Dinitrotoluene	µg/L	-/-	1/Year	Composite	ND < 2.12	U
2,6-Dinitrotoluene	µg/L	-/-	1/Year	Composite	ND < 2.12	U
2-Chloroethylvinylether	µg/L	-/-	1/Year	Grab	ND < 1.0	U
2-Chloronaphthalene	µg/L	-/-	1/Year	Composite	ND < 0.212	U
2-Chlorophenol	µg/L	-/-	1/Year	Composite	ND < 0.529	U
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.12	U
2-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 1.06	U
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	Composite	ND < 2.12	R (D)
4,4'-DDD	µg/L	-/-	1/Year	Composite	ND < 0.0042	U
4,4'-DDE	µg/L	-/-	1/Year	Composite	ND < 0.0032	U
4,4'-DDT	µg/L	-/-	1/Year	Composite	ND < 0.0042	U
4-Bromophenylphenylether	µg/L	-/-	1/Year	Composite	ND < 0.529	U
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	Composite	ND < 0.212	U



OUTFALL 004 (SODIUM REACTOR EXPERIMENT AREA)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
4-Chlorophenylphenylether	µg/L	-/-	1/Year	Composite	ND < 0.212	U
4-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.12	U
Acenaphthene	µg/L	-/-	1/Year	Composite	ND < 0.212	U
Acenaphthylene	µg/L	-/-	1/Year	Composite	ND < 0.212	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 < 0.0016	U
alpha-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0026	U
Anthracene	µg/L	-/-	1/Year	Composite	ND < 0.212	U
Aroclor 1016	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1221	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1232	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1242	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1248	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1254	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1260	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Arsenic	µg/L	-/-	1/Year	Composite	ND < 5.0	U
Asbestos	MFL	-/-	1/Year	Composite	ND < 0.98	UJ (H)
Benzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Benidine	µg/L	-/-	1/Year	Composite	ND < 5.29	R (D)
Benzo(a)anthracene	µg/L	-/-	1/Year	Composite	ND < 2.12	U
Benzo(a)pyrene	µg/L	-/-	1/Year	Composite	ND < 0.529	U
Benzo(b)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 1.06	U
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	Composite	ND < 2.12	U
Benzo(k)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 0.265	U
Beryllium	µg/L	-/-	1/Year	Composite	ND < 1.0	U
beta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0042	U
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	Composite	ND < 0.212	R (D)
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	Composite	ND < 0.212	U
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	Composite	ND < 0.212	U
Bis (2-Ethylhexyl) Phthalate	µg/L	-/-	1/Year	Composite	ND < 2.12	U
Bromodichloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Bromoform	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Bromomethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Butylbenzylphthalate	µg/L	-/-	1/Year	Composite	ND < 2.12	U
Carbon Tetrachloride	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chlordane	µg/L	-/-	1/Year	Composite	ND < 0.085	U
Chlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloroethane	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Chloroform	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chromium	µg/L	-/-	1/Year	Composite	ND < 2.5	U
Chromium VI	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Chrysene	µg/L	-/-	1/Year	Composite	ND < 0.212	U
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
delta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0037	U
Di-n-butylphthalate	µg/L	-/-	1/Year	Composite	ND < 1.06	U
Di-n-octylphthalate	µg/L	-/-	1/Year	Composite	ND < 2.12	U
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	Composite	ND < 0.265	U
Dibromochloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Dieldrin	µg/L	-/-	1/Year	Composite	ND < 0.0021	U
Diethylphthalate	µg/L	-/-	1/Year	Composite	ND < 0.529	U
Dimethylphthalate	µg/L	-/-	1/Year	Composite	ND < 0.265	U
Endosulfan I	µg/L	-/-	1/Year	Composite	ND < 0.0032	U
Endosulfan II	µg/L	-/-	1/Year	Composite	ND < 0.0021	U
Endosulfan Sulfate	µg/L	-/-	1/Year	Composite	ND < 0.0032	U
Endrin	µg/L	-/-	1/Year	Composite	ND < 0.0021	U
Endrin Aldehyde	µg/L	-/-	1/Year	Composite	ND < 0.0021	U

OUTFALL 004 (SODIUM REACTOR EXPERIMENT AREA)

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 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
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January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Ethylbenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Fluoranthene	µg/L	-/-	1/Year	Composite	ND < 0.212	U
Fluorene	µg/L	-/-	1/Year	Composite	ND < 0.212	U
Heptachlor	µg/L	-/-	1/Year	Composite	ND < 0.0032	U
Heptachlor Epoxide	µg/L	-/-	1/Year	Composite	ND < 0.0026	U
Hexachlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.529	U
Hexachlorobutadiene	µg/L	-/-	1/Year	Composite	ND < 0.529	U
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	Composite	ND < 2.12	U
Hexachloroethane	µg/L	-/-	1/Year	Composite	ND < 0.529	U
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	Composite	ND < 1.06	U
Isophorone	µg/L	-/-	1/Year	Composite	ND < 0.529	U
Lindane (gamma-BHC)	µg/L	-/-	1/Year	Composite	ND < 0.0032	U
Methylene chloride	µg/L	-/-	1/Year	Grab	ND < 0.88	U
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	Composite	ND < 1.06	U
N-Nitrosodimethylamine	µg/L	-/-	1/Year	Composite	ND < 1.06	U
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	Composite	ND < 0.529	R (D)
Naphthalene	µg/L	-/-	1/Year	Composite	ND < 0.529	U
Naphthalene	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Nitrobenzene	µg/L	-/-	1/Year	Composite	ND < 0.529	U
Pentachlorophenol	µg/L	-/-	1/Year	Composite	ND < 1.06	U
Phenanthrene	µg/L	-/-	1/Year	Composite	ND < 0.212	U
Phenol	µg/L	-/-	1/Year	Composite	ND < 0.529	U
Pyrene	µg/L	-/-	1/Year	Composite	ND < 0.212	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 < 0.26	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	600	--
Chlorpyrifos	µg/L	-/-	1/Year	Composite	ND < 0.53	U
Diazinon	µg/L	-/-	1/Year	Composite	ND < 0.13	U
E. Coli	MPN/100mL	-/-	1/Year	Grab	160	--
Hardness	mg/L	-/-	1/Year	Composite	25	--
Iron	mg/L	-/-	1/Year	Composite	0.69	--
Selenium	µg/L	-/-	1/Discharge	Composite	ND < 0.50	U
Silver	µg/L	-/-	1/Discharge	Composite	ND < 5.0	U
Total Suspended Solids	mg/L	-/-	1/Year	Composite	12	--
Vanadium	µg/L	-/-	1/Year	Composite	ND < 5.0	U
<b>ADDITIONAL POLLUTANTS</b>						
Aluminum, dissolved	µg/L	-/-	Additional/Year	Composite	110	J (H)
Antimony, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Arsenic, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Beryllium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 1.0	UJ (H)
Boron, dissolved	mg/L	-/-	Additional/Year	Composite	0.034	J (DNQ, H)
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 2.5	UJ (H)
cis-1,2-Dichloroethene	µg/L	-/-	Additional/Year	Grab	ND < 0.25	U
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	2.6	J (H)
Hardness, dissolved	mg/L	-/-	Additional/Year	Composite	24	--
Human Bacteriodes	CEs/100mL	-/-	Additional/Year	Grab	Absent	UJ (H)
Iron, dissolved	mg/L	-/-	Additional/Year	Composite	0.10	J (H)
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)

OUTFALL 004 (SODIUM REACTOR EXPERIMENT AREA)

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 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
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January 1 through March 31, 2017

				02/17/2017 - 02/18/2017		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg.	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Nickel, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 5.0	UJ (H)
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 5.0	UJ (H)
Thallium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Vanadium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	17	J (DNQ, H)

**OUTFALL 004 (SODIUM REACTOR EXPERIMENT AREA)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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**Sample Type: Composite  
Sample Date: February 18, 2017**

<b>ANALYTE</b>	<b>SAMPLE FREQUENCY</b>	<b>LAB MDL (µg/L)</b>	<b>LAB RL (µg/L)</b>	<b>LAB RESULT (µg/L)</b>	<b>VALIDATION QUALIFIER</b>	<b>1998 WHO TEF</b>	<b>BEF Great Lakes Water Quality Initiative</b>	<b>TCDD Equivalent (w/out DNQ Values) (µg/L)</b>
1,2,3,4,6,7,8-HpCDD	1/Discharge	7.60E-07	5.50E-05	3.50E-05	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	3.70E-07	5.50E-05	2.80E-05	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	4.70E-07	5.50E-05	4.60E-07	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1.80E-07	5.50E-05	4.70E-07	U (B)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	2.50E-07	5.50E-05	8.70E-07	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1.90E-07	5.50E-05	1.40E-06	U (B)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	2.40E-07	5.50E-05	1.60E-06	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1.50E-07	5.50E-05	1.10E-06	U (B)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	2.10E-07	5.50E-05	1.90E-07	U (B)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	2.30E-07	5.50E-05	4.00E-07	U (B)	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	1.40E-07	5.50E-05	2.80E-07	U (B)	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	2.10E-07	5.50E-05	1.10E-06	UJ (*III)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	1.40E-07	5.50E-05	3.30E-07	J (DNQ)	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	1.70E-07	1.10E-05	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	6.70E-07	1.10E-05	ND	U	0.1	0.8	ND
OCDD	1/Discharge	1.70E-06	1.10E-04	4.40E-04	--	0.0001	0.01	4.4E-10
OCDF	1/Discharge	3.90E-07	1.10E-04	2.10E-05	U (B)	0.0001	0.02	ND

<b>TCDD TEQ w/out DNQ Values</b>	<b>4.4E-10</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/18/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	1.54 +/-0.795	0.944	UJ (B, *III)
Gross Beta	pCi/L	50/-	1/Discharge	1.81 +/-0.708	0.915	U (B)
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	0.436 +/-0.271	NM	UJ (*III)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.236 +/-0.226	0.365	U
Tritium	pCi/L	20,000/-	1/Discharge	-24.3 +/-153	278	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	4.49 +/-9.25	15.7	U
Total Uranium	pCi/L	20/-	1/Discharge	0.172 +/-0.169	0.194	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-23.3 +/-98.9	148	U

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					02/18/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	64.33/-	1/Discharge	Meas	0.208782	*
<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	ND	U
Cadmium	LBS/DAY	2.15/-	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7/-	1/Discharge	Composite	0.0057	--
Cyanide	LBS/DAY	5.1/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	2.8/-	1/Discharge	Composite	0.0019	--
Mercury	LBS/DAY	0.07/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	46.14/-	1/Discharge	Composite	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	1.5E-08/-	1/Discharge	Composite	7.7E-13	*
Thallium	LBS/DAY	1.1/-	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	64.4/-	1/Discharge	Composite	0.049	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537/-	1/Year	Composite	0.057	J (DNQ)
Chloride	LBS/DAY	80,477/-	1/Discharge	Composite	4.5	--
Fluoride	LBS/DAY	858-	1/Year	Composite	ND	U
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365/-	1/Discharge	Composite	1.1	--
Perchlorate	LBS/DAY	3.22/-	1/Semiannual	Composite	ND	U
Sulfate	LBS/DAY	134,128/-	1/Discharge	Composite	5.2	--
Total Dissolved Solids	LBS/DAY	456,034/-	1/Discharge	Composite	118	--

OUTFALL 006 (SODIUM BURN PIT 2)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/22/2017 - 01/23/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	64.33/-	1/Discharge	Meas	0.086166	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.3	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	7.29	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0/-	1/Discharge	Composite	ND < 0.50	U
Cadmium	µg/L	4.0/-	1/Discharge	Composite	ND < 0.25	U
Copper	µg/L	13/-	1/Discharge	Composite	2.7	J+ (Q, Q1)
Cyanide	µg/L	9.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	0.90	J (DNQ)
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 < 10	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0/-	1/Year	Composite	0.070	--
Chloride	mg/L	150/-	1/Discharge	Composite	3.4	--
Chronic Toxicity	Pass or % Effect <50	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass	--
Fluoride	mg/L	1.6/-	1/Year	Composite	ND < 0.25	U
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1/Discharge	Composite	3.6	--
Perchlorate	µg/L	6.0/-	1/Semiannual	Composite	ND < 0.95	U
Sulfate	mg/L	250/-	1/Discharge	Composite	4.0	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	46.81	*
Total Dissolved Solids	mg/L	850/-	1/Discharge	Composite	160	--
<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
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 < 0.493	U
1,2-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.197	U
1,2-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	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 < 0.493	UJ (L1)
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.197	U
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.197	U
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	-/-	1/Year	Composite	ND < 0.493	U
2,4-Dichlorophenol	µg/L	-/-	1/Year	Composite	ND < 0.985	U
2,4-Dimethylphenol	µg/L	-/-	1/Year	Composite	ND < 0.985	U
2,4-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 1.97	U
2,4-Dinitrotoluene	µg/L	-/-	1/Year	Composite	ND < 1.97	U
2,6-Dinitrotoluene	µg/L	-/-	1/Year	Composite	ND < 1.97	U
2-Chloroethylvinylether	µg/L	-/-	1/Year	Grab	ND < 1.0	UJ (H)
2-Chloronaphthalene	µg/L	-/-	1/Year	Composite	ND < 0.197	U
2-Chlorophenol	µg/L	-/-	1/Year	Composite	ND < 0.493	U
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 1.97	U
2-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 0.985	U
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	Composite	ND < 1.97	UJ (L1)
4,4'-DDD	µg/L	-/-	1/Year	Composite	ND < 0.0039	U
4,4'-DDE	µg/L	-/-	1/Year	Composite	ND < 0.0029	UJ (*III)
4,4'-DDT	µg/L	-/-	1/Year	Composite	ND < 0.0039	U
4-Bromophenylphenylether	µg/L	-/-	1/Year	Composite	ND < 0.493	U
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	Composite	ND < 0.197	U

OUTFALL 006 (SODIUM BURN PIT 2)

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 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/22/2017 - 01/23/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
4-Chlorophenylphenylether	µg/L	-/-	1/Year	Composite	ND < 0.197	U
4-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 1.97	U
Acenaphthene	µg/L	-/-	1/Year	Composite	ND < 0.197	U
Acenaphthylene	µg/L	-/-	1/Year	Composite	ND < 0.197	U
Acrolein	µg/L	-/-	1/Year	Grab	ND < 2.5	UJ (C, H)
Acrylonitrile	µg/L	-/-	1/Year	Grab	ND < 1.0	UJ (H)
Aldrin	µg/L	-/-	1/Year	Composite	ND < 0.0015	U
alpha-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0024	U
Anthracene	µg/L	-/-	1/Year	Composite	ND < 0.197	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 < 5.0	U
Asbestos	MFL	-/-	1/Year	Composite	ND < 0.99	U
Benzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Benzidine	µg/L	-/-	1/Year	Composite	ND < 4.93	UJ (C)
Benzo(a)anthracene	µg/L	-/-	1/Year	Composite	ND < 1.97	U
Benzo(a)pyrene	µg/L	-/-	1/Year	Composite	ND < 0.493	UJ (L1)
Benzo(b)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 0.985	U
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	Composite	ND < 1.97	U
Benzo(k)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 0.246	U
Beryllium	µg/L	-/-	1/Year	Composite	ND < 1.0	U
beta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0039	U
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	Composite	ND < 0.197	UJ (L1)
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	Composite	ND < 0.197	U
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	Composite	ND < 0.197	U
Bis (2-Ethylhexyl) Phthalate	µg/L	-/-	1/Year	Composite	ND < 1.97	U
Bromodichloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Bromoform	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Bromomethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Butylbenzylphthalate	µg/L	-/-	1/Year	Composite	ND < 1.97	U
Carbon Tetrachloride	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chlordane	µg/L	-/-	1/Year	Composite	ND < 0.078	U
Chlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloroethane	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Chloroform	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chromium	µg/L	-/-	1/Year	Composite	ND < 2.5	U
Chromium VI	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Chrysene	µg/L	-/-	1/Year	Composite	ND < 0.197	U
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
delta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0034	UJ (*III)
Di-n-butylphthalate	µg/L	-/-	1/Year	Composite	ND < 0.985	U
Di-n-octylphthalate	µg/L	-/-	1/Year	Composite	ND < 1.97	U
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	Composite	ND < 0.246	U
Dibromochloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Dieldrin	µg/L	-/-	1/Year	Composite	ND < 0.0020	U
Diethylphthalate	µg/L	-/-	1/Year	Composite	ND < 0.493	U
Dimethylphthalate	µg/L	-/-	1/Year	Composite	ND < 0.246	U
Endosulfan I	µg/L	-/-	1/Year	Composite	ND < 0.0029	UJ (*III)
Endosulfan II	µg/L	-/-	1/Year	Composite	ND < 0.0020	U
Endosulfan Sulfate	µg/L	-/-	1/Year	Composite	ND < 0.0029	U
Endrin	µg/L	-/-	1/Year	Composite	ND < 0.0020	U
Endrin Aldehyde	µg/L	-/-	1/Year	Composite	ND < 0.0020	U



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 THE BOEING COMPANY  
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/22/2017 - 01/23/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Ethylbenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Fluoranthene	µg/L	-/-	1/Year	Composite	ND < 0.197	U
Fluorene	µg/L	-/-	1/Year	Composite	ND < 0.197	U
Heptachlor	µg/L	-/-	1/Year	Composite	ND < 0.0029	U
Heptachlor Epoxide	µg/L	-/-	1/Year	Composite	ND < 0.0024	U
Hexachlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.493	U
Hexachlorobutadiene	µg/L	-/-	1/Year	Composite	ND < 0.493	U
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	Composite	ND < 1.97	U
Hexachloroethane	µg/L	-/-	1/Year	Composite	ND < 0.493	U
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	Composite	ND < 0.985	U
Isophorone	µg/L	-/-	1/Year	Composite	ND < 0.493	U
Lindane (gamma-BHC)	µg/L	-/-	1/Year	Composite	ND < 0.0029	U
Methylene chloride	µg/L	-/-	1/Year	Grab	ND < 0.88	U
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	Composite	ND < 0.985	U
N-Nitrosodimethylamine	µg/L	-/-	1/Year	Composite	ND < 0.985	U
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	Composite	ND < 0.493	UJ (L1)
Naphthalene	µg/L	-/-	1/Year	Composite	ND < 0.493	U
Naphthalene	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Nitrobenzene	µg/L	-/-	1/Year	Composite	ND < 0.493	U
Pentachlorophenol	µg/L	-/-	1/Year	Composite	ND < 0.985	U
Phenanthrene	µg/L	-/-	1/Year	Composite	ND < 0.197	U
Phenol	µg/L	-/-	1/Year	Composite	ND < 0.493	U
Pyrene	µg/L	-/-	1/Year	Composite	ND < 0.197	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	650	J+ (Q, Q1)
Chlorpyrifos	µg/L	-/-	1/Year	Composite	ND < 0.49	U
Diazinon	µg/L	-/-	1/Year	Composite	ND < 0.12	U
E. Coli	mpn/100mL	-/-	1/Year	Grab	80	J (H)
Hardness	mg/L	-/-	1/Year	Composite	55	--
Iron	mg/L	-/-	1/Year	Composite	0.60	J+ (Q, Q1)
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	19	--
Vanadium	µg/L	-/-	1/Year	Composite	ND < 5.0	U
<b>ADDITIONAL POLLUTANTS</b>						
Aluminum, dissolved	µg/L	-/-	Additional/Year	Composite	120	*
Antimony, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Arsenic, dissolved	µg/L	-/-	Additional/Year	Composite	7.0	J (DNQ, H)
Beryllium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 1.0	UJ (H)
Boron, dissolved	mg/L	-/-	Additional/Year	Composite	0.06	J (H)
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 2.5	UJ (H)
cis-1,2-Dichloroethene	µg/L	-/-	Additional/Year	Grab	ND < 0.25	U
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	1.8	J (DNQ, H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	Composite	44	J (H)
Human Bacteriodes	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	Composite	0.10	J (H)
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)

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					01/22/2017 - 01/23/2017		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	
Nickel, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 5.0	UJ (H)	
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)	
Silver, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)	
Thallium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)	
Vanadium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)	
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	UJ (H)	

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	64.33/-	1/Discharge	Meas	0.228884	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	7.11	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0/-	1/Discharge	Composite	0.89	J (DNQ)
Cadmium	µg/L	4.0/-	1/Discharge	Composite	ND < 0.25	U
Copper	µg/L	13/-	1/Discharge	Composite	7.5	--
Cyanide	µg/L	9.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	3.1	--
Mercury	µg/L	0.13/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	86/-	1/Discharge	Composite	5.8	J (DNQ)
Thallium	µg/L	2.0/-	1/Discharge	Composite	ND < 0.50	U
Zinc	µg/L	120/-	1/Discharge	Composite	25	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	3.4	--
Chronic Toxicity	Pass or % Effect <50	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass	J (H)
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1/Discharge	Composite	0.90	--
Perchlorate	µg/L	6.0/-	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250/-	1/Discharge	Composite	3.6	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	49.39	*
Total Dissolved Solids	mg/L	850/-	1/Discharge	Composite	150	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR

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				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-/-	1/Year	ANR	ANR	ANR
Asbestos	MFL	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium VI	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-/-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-/-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Iron	mg/L	-/-	1/Year	ANR	ANR	ANR
Selenium	µg/L	-/-	1/Discharge	Composite	0.53	J (DNQ)
Silver	µg/L	-/-	1/Discharge	Composite	ND < 0.50	U
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Aluminum, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.5	UJ (H)
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	2.1	J (H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteriodes	CEs/100mL	-/-	Additional/Year	Grab	Absent	UJ (H)
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)

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02/17/2017 - 02/18/2017						
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Nickel, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 5.0	UJ (H)
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Thallium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	UJ (H)

OUTFALL 006 (SODIUM BURN PIT 2)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Sample Type: Composite  
 Sample Date: January 23, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	5.20E-07	4.70E-05	1.00E-05	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	2.70E-07	4.70E-05	8.10E-06	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	3.10E-07	4.70E-05	6.30E-07	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	4.70E-07	4.70E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	5.40E-07	4.70E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	5.10E-07	4.70E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	5.20E-07	4.70E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	4.10E-07	4.70E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	3.60E-07	4.70E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	5.80E-07	4.70E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	4.20E-07	4.70E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	3.70E-07	4.70E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	4.40E-07	4.70E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	4.00E-07	9.50E-06	ND	U	1	1	ND
2,3,7,8-TCDF	1/Discharge	1.20E-06	9.50E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	4.70E-07	9.50E-05	9.00E-05	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	3.70E-07	9.50E-05	1.20E-05	U (B)	0.0001	0.02	ND

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

OUTFALL 006 (SODIUM BURN PIT 2)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Sample Type: Composite  
 Sample Date: February 18, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	1.70E-06	5.00E-05	4.40E-05	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	8.50E-07	5.00E-05	2.80E-05	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1.10E-06	5.00E-05	1.30E-06	UJ (*III)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	4.50E-07	5.00E-05	9.10E-07	UJ (*III)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	4.70E-07	5.00E-05	9.00E-07	UJ (*III)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	5.00E-07	5.00E-05	2.00E-06	UJ (*III)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	4.70E-07	5.00E-05	1.50E-06	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	4.00E-07	5.00E-05	1.70E-06	J (DNQ)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	4.60E-07	5.00E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	6.20E-07	5.00E-05	8.80E-07	UJ (*III)	1	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	4.00E-07	5.00E-05	6.20E-07	U (B)	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	4.10E-07	5.00E-05	1.50E-06	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	3.90E-07	5.00E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	3.10E-07	1.00E-05	ND	U	1	1	ND
2,3,7,8-TCDF	1/Discharge	2.90E-07	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1/Discharge	1.60E-06	1.00E-04	4.10E-04	--	0.0001	0.01	4.1E-10
OCDF	1/Discharge	7.90E-07	1.00E-04	4.40E-05	U (B)	0.0001	0.02	ND

<b>TCDD TEQ w/out DNQ Values</b>	<b>4.1E-10</b>
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08



OUTFALL 006 (SODIUM BURN PIT 2)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

				01/23/2017 (Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	2.77 +/-1.38	1.84	U (B)
Gross Beta	pCi/L	50/-	1/Discharge	3.51 +/-0.949	1.10	J (B, DNQ)
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	1.14 +/-0.730	NM	U
Strontium-90	pCi/L	8.0/-	1/Discharge	0.280 +/-0.333	0.547	U
Tritium	pCi/L	20,000/-	1/Discharge	29.7 +/-160	279	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	-5.88 +/-11.5	19.5	U
Total Uranium	pCi/L	20/-	1/Discharge	0.737 +/-0.583	0.578	U (B)
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	67.1 +/-105	170	U

OUTFALL 006 (SODIUM BURN PIT 2)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/18/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	4.90 +/-1.71	1.69	J (B, *III)
Gross Beta	pCi/L	50/-	1/Discharge	7.74 +/-1.32	0.937	--
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	0.601 +/-0.387	NM	U (B)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.0236 +/-0.337	0.601	U
Tritium	pCi/L	20,000/-	1/Discharge	262 +/-189	293	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	3.79 +/-9.64	16.4	U
Total Uranium	pCi/L	20/-	1/Discharge	0.632 +/-0.302	0.175	U (B)
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	14.6 +/-83.3	145	U

OUTFALL 006 (SODIUM BURN PIT 2)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

					01/22/2017 and 01/23/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow	MGD	64.33/-	1/Discharge	Meas	0.086166	*
<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	ND	U
Cadmium	LBS/DAY	2.15/-	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7/-	1/Discharge	Composite	0.0019	J+ (Q, Q1)
Cyanide	LBS/DAY	5.1/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	2.8/-	1/Discharge	Composite	0.0006	J (DNQ)
Mercury	LBS/DAY	0.07/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	46.14/-	1/Discharge	Composite	ND	U
TCDD TEQ_NoDNQ	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	0.0503	--
Chloride	LBS/DAY	80,477/-	1/Discharge	Composite	2.4	--
Fluoride	LBS/DAY	858-	1/Year	Composite	ND	U
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365/-	1/Discharge	Composite	2.6	--
Perchlorate	LBS/DAY	3.22/-	1/Semiannual	Composite	ND	U
Sulfate	LBS/DAY	134,128/-	1/Discharge	Composite	2.9	--
Total Dissolved Solids	LBS/DAY	456,034/-	1/Discharge	Composite	115.0	--

OUTFALL 006 (SODIUM BURN PIT 2)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

					02/17/2017 - 02/18/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow	MGD	64.33/-	1/Discharge	Meas	0.228884	*
<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	0.00064	J (DNQ)
Cadmium	LBS/DAY	2.15/-	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7/-	1/Discharge	Composite	0.0054	--
Cyanide	LBS/DAY	5.1/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	2.8/-	1/Discharge	Composite	0.0022	--
Mercury	LBS/DAY	0.07/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	46.14/-	1/Discharge	Composite	0.0042	J (DNQ)
TCDD TEQ_NoDNQ	LBS/DAY	1.5E-08/-	1/Discharge	Composite	2.9E-13	*
Thallium	LBS/DAY	1.1/-	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	64.4/-	1/Discharge	Composite	0.018	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537/-	1/Year	Composite	ANR	ANR
Chloride	LBS/DAY	80,477/-	1/Discharge	Composite	2.4	--
Fluoride	LBS/DAY	858-	1/Year	Composite	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365/-	1/Discharge	Composite	0.65	--
Perchlorate	LBS/DAY	3.22/-	1/Semiannual	Composite	ANR	ANR
Sulfate	LBS/DAY	134,128/-	1/Discharge	Composite	2.6	--
Total Dissolved Solids	LBS/DAY	456,034/-	1/Discharge	Composite	108	--

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY

THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/20/2017 - 01/21/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	7.21/-	1/Discharge	Meas	0.099334	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	1.5	J (DNQ)
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	6.20	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0/-	1/Discharge	Composite	0.65	J (DNQ)
Cadmium	µg/L	(4.0)3.1	1/Discharge	Composite	ND < 0.25 <sup>(b)</sup>	U
Copper	µg/L	14/-	1/Discharge	Composite	6.7	--
Cyanide	µg/L	9.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	4.0	--
Mercury	µg/L	0.13/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	86/-	1/Discharge	Composite	ND < 5.0	U
Selenium	µg/L	5/-	1/Discharge	Composite	ND < 0.50	U
Thallium	µg/L	2.0/-	1/Discharge	Composite	ND < 0.50	UJ (Q)
Zinc	µg/L	120/-	1/Discharge	Composite	29	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia-N	mg/L	10.1/-	1/Discharge	Composite	ND < 0.100	U
Boron	mg/L	1.0/-	1/Year	Composite	0.070	--
Chloride	mg/L	150/-	1/Discharge	Composite	4.9	--
Chronic Toxicity	Pass or % Effect<50	Pass or % Effect<50	1st & 2nd rain event/Year	Composite	41.73	J (H)
Fluoride	mg/L	1.6/-	1/Year	Composite	ND < 0.25	U
Nitrate-N	mg/L	8/-	1/Discharge	Composite	ND < 0.055	UJ (H)
Nitrite-N	mg/L	1/-	1/Discharge	Composite	ND < 0.070	UJ (H)
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	ND < 0.070	UJ (H)
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Sulfate	mg/L	300/-	1/Discharge	Composite	4.3	--
Temperature (Field)	deg F	86/-	1/Discharge	Grab	47.01	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	120	--
<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
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 < 2.73	U
1,2-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 1.09	U
1,2-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	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 < 2.73	U
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 1.09	U
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 1.09	U
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	-/-	1/Year	Composite	ND < 2.73	U
2,4-Dichlorophenol	µg/L	-/-	1/Year	Composite	ND < 5.46	U
2,4-Dimethylphenol	µg/L	-/-	1/Year	Composite	ND < 5.46	U
2,4-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 10.9	U
2,4-Dinitrotoluene	µg/L	-/-	1/Year	Composite	ND < 10.9	U
2,6-Dinitrotoluene	µg/L	-/-	1/Year	Composite	ND < 10.9	U
2-Chloroethylvinylether	µg/L	-/-	1/Year	Grab	ND < 1.0	U
2-Chloronaphthalene	µg/L	-/-	1/Year	Composite	ND < 1.09	U
2-Chlorophenol	µg/L	-/-	1/Year	Composite	ND < 2.73	U
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 10.9	U
2-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 5.46	U
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	Composite	ND < 10.9	U
4,4'-DDD	µg/L	-/-	1/Year	Composite	ND < 0.0042	U
4,4'-DDE	µg/L	-/-	1/Year	Composite	ND < 0.0031	U
4,4'-DDT	µg/L	-/-	1/Year	Composite	ND < 0.0042	U
4-Bromophenylphenylether	µg/L	-/-	1/Year	Composite	ND < 2.73	U
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	Composite	ND < 1.09	U
4-Chlorophenylphenylether	µg/L	-/-	1/Year	Composite	ND < 1.09	U

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY

THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/20/2017 - 01/21/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
4-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 10.9	U
Acenaphthene	µg/L	-/-	1/Year	Composite	ND < 1.09	U
Acenaphthylene	µg/L	-/-	1/Year	Composite	ND < 1.09	U
Acrolein	µg/L	-/-	1/Year	Grab	ND < 2.5	UJ (C)
Acrylonitrile	µg/L	-/-	1/Year	Grab	ND < 1.0	U
Aldrin	µg/L	-/-	1/Year	Composite	ND < 0.0016	U
alpha-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0026	U
Anthracene	µg/L	-/-	1/Year	Composite	ND < 1.09	U
Aroclor 1016	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1221	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1232	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1242	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1248	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1254	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Aroclor 1260	µg/L	-/-	1/Year	Composite	ND < 0.26	U
Arsenic	µg/L	-/-	1/Year	Composite	5.4	J (DNQ)
Asbestos	MFL	-/-	1/Year	Composite	ND < 4.90	UJ (H)
Benzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Benzidine	µg/L	-/-	1/Year	Composite	ND < 27.3	U
Benzo(a)anthracene	µg/L	-/-	1/Year	Composite	ND < 10.9	U
Benzo(a)pyrene	µg/L	-/-	1/Year	Composite	ND < 2.73	U
Benzo(b)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 5.46	U
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	Composite	ND < 10.9	U
Benzo(k)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 1.37	U
Beryllium	µg/L	-/-	1/Year	Composite	ND < 1.0	U
beta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0042	U
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	Composite	ND < 1.09	U
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	Composite	ND < 1.09	U
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	Composite	ND < 1.09	U
Bis (2-Ethylhexyl) Phthalate	µg/L	-/-	1/Year	Composite	ND < 10.9	U
Bromodichloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Bromoform	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Bromomethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Butylbenzylphthalate	µg/L	-/-	1/Year	Composite	ND < 10.9	U
Carbon Tetrachloride	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chlordane	µg/L	-/-	1/Year	Composite	ND < 0.083	U
Chlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloroethane	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Chloroform	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chromium	µg/L	-/-	1/Year	Composite	6.7	--
Chromium VI	µg/L	-/-	1/Year	Composite	ND < 0.25	UJ (H)
Chrysene	µg/L	-/-	1/Year	Composite	ND < 1.09	U
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
delta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0036	U
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	Composite	ND < 1.37	U
Dibromochloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Dieldrin	µg/L	-/-	1/Year	Composite	ND < 0.0021	U
Diethylphthalate	µg/L	-/-	1/Year	Composite	ND < 2.73	U
Dimethylphthalate	µg/L	-/-	1/Year	Composite	ND < 1.37	U
Di-n-butylphthalate	µg/L	-/-	1/Year	Composite	ND < 5.46	U
Di-n-octylphthalate	µg/L	-/-	1/Year	Composite	ND < 10.9	U
Endosulfan I	µg/L	-/-	1/Year	Composite	ND < 0.0031	U
Endosulfan II	µg/L	-/-	1/Year	Composite	ND < 0.0021	U
Endosulfan Sulfate	µg/L	-/-	1/Year	Composite	ND < 0.0031	U
Endrin	µg/L	-/-	1/Year	Composite	ND < 0.0021	U
Endrin Aldehyde	µg/L	-/-	1/Year	Composite	ND < 0.0021	U
Ethylbenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Fluoranthene	µg/L	-/-	1/Year	Composite	ND < 1.09	U
Fluorene	µg/L	-/-	1/Year	Composite	ND < 1.09	U
Heptachlor	µg/L	-/-	1/Year	Composite	ND < 0.0031	U
Heptachlor Epoxide	µg/L	-/-	1/Year	Composite	ND < 0.0026	U
Hexachlorobenzene	µg/L	-/-	1/Year	Composite	ND < 2.73	U

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY

THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/20/2017 - 01/21/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Hexachlorobutadiene	µg/L	-/-	1/Year	Composite	ND < 2.73	U
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	Composite	ND < 10.9	U
Hexachloroethane	µg/L	-/-	1/Year	Composite	ND < 2.73	U
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	Composite	ND < 5.46	U
Isophorone	µg/L	-/-	1/Year	Composite	ND < 2.73	U
Lindane (gamma-BHC)	µg/L	-/-	1/Year	Composite	ND < 0.0031	U
Methylene chloride	µg/L	-/-	1/Year	Grab	ND < 0.88	U
Naphthalene	µg/L	-/-	1/Year	Composite	ND < 2.73	U
Naphthalene	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Nitrobenzene	µg/L	-/-	1/Year	Composite	ND < 2.73	U
N-Nitrosodimethylamine	µg/L	-/-	1/Year	Composite	ND < 5.46	U
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	Composite	ND < 5.46	U
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	Composite	ND < 2.73	U
Pentachlorophenol	µg/L	-/-	1/Year	Composite	ND < 5.46	U
Phenanthrene	µg/L	-/-	1/Year	Composite	ND < 1.09	U
Phenol	µg/L	-/-	1/Year	Composite	ND < 2.73	U
Pyrene	µg/L	-/-	1/Year	Composite	ND < 1.09	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 < 0.26	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	UJ (C)
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	4900	--
Chlorpyrifos	µg/L	-/-	1/Year	Composite	ND < 0.53	U
Diazinon	µg/L	-/-	1/Year	Composite	ND < 0.13	U
E. Coli	MPN/100mL	-/-	1/Year	Grab	120	--
Hardness	mg/L	-/-	1/Year	Composite	48	--
Iron	mg/L	-/-	1/Year	Composite	6.8	--
Silver	µg/L	-/-	1/Discharge	Composite	ND < 0.50	U
Total Suspended Solids	mg/L	-/-	1/Year	Composite	45	--
Vanadium	µg/L	-/-	1/Year	Composite	13	--
<b>ADDITIONAL POLLUTANTS</b>						
Aluminum, dissolved	µg/L	-/-	Additional/Year	Composite	200	J (H)
Antimony, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Arsenic, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Beryllium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 1.0	UJ (H)
Boron, dissolved	mg/L	-/-	Additional/Year	Composite	0.061	J (H)
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 2.5	UJ (H)
cis-1,2-Dichloroethene	µg/L	-/-	Additional/Year	Grab	ND < 0.25	U
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	2.6	J (H)
Dissolved Oxygen	mg/L	-/-	Additional	Grab	ANR	ANR
Hardness, dissolved	mg/L	-/-	Additional/Year	Composite	34	J (H)
Human Bacteroides	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	Composite	0.18	J (H)
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 5.0	UJ (H)
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Thallium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Vanadium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	UJ (H)

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY

THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/06/2017 - 02/07/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	7.21/-	1/Discharge	Meas	0.076893	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.6	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	6.84	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0/-	1/Discharge	Composite	ND < 0.50	U
Cadmium	µg/L	(4.0)3.1	1/Discharge	Composite	ND < 0.25 <sup>(b)</sup>	U
Copper	µg/L	14/-	1/Discharge	Composite	2.5	--
Cyanide	µg/L	9.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	ND < 0.50	U
Mercury	µg/L	0.13/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	86/-	1/Discharge	Composite	1.5	U (B)
Selenium	µg/L	5/-	1/Discharge	Composite	ND < 0.50	U
Thallium	µg/L	2.0/-	1/Discharge	Composite	ND < 0.50	U
Zinc	µg/L	120/-	1/Discharge	Composite	11	U (B)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia-N	mg/L	10.1/-	1/Discharge	Composite	ND < 0.100	U
Boron	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	8.8	--
Chronic Toxicity	Pass or % Effect<50	Pass or % Effect<50	1st & 2nd rain event/Year	Composite	Pass	J (H)
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Nitrate-N	mg/L	8/-	1/Discharge	Composite	3.6	--
Nitrite-N	mg/L	1/-	1/Discharge	Composite	ND < 0.070	U
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	3.6	--
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	2.9	J (DNQ)
Sulfate	mg/L	300/-	1/Discharge	Composite	8.6	--
Temperature (Field)	deg F	86/-	1/Discharge	Grab	47.08	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	190	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR



OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY

THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/06/2017 - 02/07/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-/-	1/Year	ANR	ANR	ANR
Asbestos	MFL	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benidine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium VI	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY

THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/06/2017 - 02/07/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-/-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-/-	1/Year	ANR	ANR	ANR
E. Coli	MPN/100mL	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Iron	mg/L	-/-	1/Year	ANR	ANR	ANR
Silver	µg/L	-/-	1/Discharge	Composite	ND < 0.50	U
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Aluminum, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	2.7	J+ (H,B)
Dissolved Oxygen	mg/L	-/-	Additional	Grab	10.09	*
Hardness, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Discharge	Composite	2.0	J (DNQ,H)
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Thallium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	17	J (DNQ,H)

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY

THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	7.21/-	1/Discharge	Meas	2.921968	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	8.23	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0/-	1/Discharge	Composite	ND < 0.50	U
Cadmium	µg/L	(4.0)3.1	1/Discharge	Composite	ND < 0.25 <sup>(b)</sup>	U
Copper	µg/L	14/-	1/Discharge	Composite	2.6	--
Cyanide	µg/L	9.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	1.5	--
Mercury	µg/L	0.13/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	86/-	1/Discharge	Composite	ND < 5.0	U
Selenium	µg/L	5/-	1/Discharge	Composite	ND < 0.50	U
Thallium	µg/L	2.0/-	1/Discharge	Composite	ND < 0.50	U
Zinc	µg/L	120/-	1/Discharge	Composite	ND < 10	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia-N	mg/L	10.1/-	1/Discharge	Composite	ND < 0.100	U
Boron	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	3.0	--
Chronic Toxicity	Pass or % Effect<50	Pass or % Effect<50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Nitrate-N	mg/L	8/-	1/Discharge	Composite	1.6	--
Nitrite-N	mg/L	1/-	1/Discharge	Composite	ND < 0.070	U
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	1.6	--
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Sulfate	mg/L	300/-	1/Discharge	Composite	3.2	--
Temperature (Field)	deg F	86/-	1/Discharge	Grab	52.77	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	110	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY

THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-/-	1/Year	ANR	ANR	ANR
Asbestos	MFL	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benidine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium VI	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY

THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-/-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-/-	1/Year	ANR	ANR	ANR
E. Coli	MPN/100mL	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Iron	mg/L	-/-	1/Year	ANR	ANR	ANR
Silver	µg/L	-/-	1/Discharge	Composite	ND < 0.50	U
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Aluminum, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	1.9	J (DNQ, H)
Dissolved Oxygen	mg/L	-/-	Additional	Grab	9.23	*
Hardness, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-/-	Additional/Year	Grab	Absent	UJ (H)
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 5.0	UJ (H)
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	0.52	J (DNQ, H)
Silver, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Thallium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	UJ (H)

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Sample Type: Composite  
 Sample Date: January 21, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	6.60E-07	4.70E-05	2.40E-05	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	3.40E-07	4.70E-05	8.40E-06	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	4.10E-07	4.70E-05	1.50E-06	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	4.20E-07	4.70E-05	1.20E-06	UJ (*III)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	7.30E-07	4.70E-05	1.40E-06	UJ (*III)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	4.40E-07	4.70E-05	2.00E-06	J (DNQ)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	6.90E-07	4.70E-05	1.40E-06	J (DNQ)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	3.60E-07	4.70E-05	1.80E-06	J (DNQ)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	5.20E-07	4.70E-05	9.50E-07	J (DNQ)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	7.30E-07	4.70E-05	ND	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	4.50E-07	4.70E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	5.60E-07	4.70E-05	1.20E-06	UJ (*III)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	4.60E-07	4.70E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	5.40E-07	9.40E-06	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	1.20E-06	9.40E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	5.70E-07	9.40E-05	2.40E-04	--	0.0001	0.01	2.4E-10
OCDF	1/Discharge	3.90E-07	9.40E-05	1.10E-05	U (B)	0.0001	0.02	ND

<b>TCDD TEQ w/out DNQ Values</b>	<b>2.4E-10</b>
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Sample Type: Composite  
 Sample Date: February 7, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	1.70E-07	4.80E-05	1.10E-06	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1.40E-07	4.80E-05	4.80E-07	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1.70E-07	4.80E-05	5.00E-07	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1.40E-07	4.80E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1.70E-07	4.80E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1.50E-07	4.80E-05	3.30E-07	U (B)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1.70E-07	4.80E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1.20E-07	4.80E-05	2.20E-07	U (B)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1.50E-07	4.80E-05	4.30E-07	U (B)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	2.20E-07	4.80E-05	ND	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	1.70E-07	4.80E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1.40E-07	4.80E-05	5.30E-07	J (DNQ)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	1.60E-07	4.80E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	1.60E-07	9.60E-06	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	1.40E-06	9.60E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	2.10E-07	9.60E-05	8.60E-06	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	1.50E-07	9.60E-05	1.10E-06	U (B)	0.0001	0.02	ND

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

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Sample Type: Composite  
 Sample Date: February 18, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	9.40E-07	4.70E-05	1.50E-05	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	5.80E-07	4.70E-05	4.90E-06	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	7.40E-07	4.70E-05	5.60E-07	UJ (*III)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	6.90E-07	4.70E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	2.90E-07	4.70E-05	5.50E-07	UJ (*III)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	7.50E-07	4.70E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	2.90E-07	4.70E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	6.20E-07	4.70E-05	8.20E-07	UJ (*III)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	2.80E-07	4.70E-05	3.50E-07	U (B)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	5.20E-07	4.70E-05	ND	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	4.60E-07	4.70E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	2.70E-07	4.70E-05	6.00E-07	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	4.50E-07	4.70E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	3.80E-07	9.40E-06	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	3.10E-07	9.40E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	9.20E-07	9.40E-05	1.20E-04	--	0.0001	0.01	1.2E-10
OCDF	1/Discharge	9.90E-07	9.40E-05	5.90E-06	U (B)	0.0001	0.02	ND

<b>TCDD TEQ w/out DNQ Values</b>	<b>1.2E-10</b>
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08



OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/21/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	3.62 +/-1.44	1.63	UJ (B, *III)
Gross Beta	pCi/L	50/-	1/Discharge	7.54 +/-1.32	1.03	--
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	1.36 +/-0.863	NM	UJ (*III)
Strontium-90	pCi/L	8.0/-	1/Discharge	-0.149 +/-0.292	0.544	U
Tritium	pCi/L	20,000/-	1/Discharge	-4.05 +/-162	292	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	-1.07 +/-8.32	14.4	U
Total Uranium	pCi/L	20/-	1/Discharge	0.381 +/-0.658	1.02	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-173 +/-129	244	U

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
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January 1 through March 31, 2017

				02/07/2017 (Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	0.992 +/-1.14	1.86	UJ (*III)
Gross Beta	pCi/L	50/-	1/Discharge	2.81 +/-0.844	1.02	J (DNQ)
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	0.478 +/-0.315	NM	U
Strontium-90	pCi/L	8.0/-	1/Discharge	0.236 +/-0.219	0.353	U
Tritium	pCi/L	20,000/-	1/Discharge	-40.5 +/-184	334	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	0.483 +/-8.30	14.9	U
Total Uranium	pCi/L	20/-	1/Discharge	0.246 +/-0.181	0.183	U (B)
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-64.6 +/-160	215	U

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

				02/18/2017 (Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	2.19 +/-1.14	1.49	UJ (B, *III)
Gross Beta	pCi/L	50/-	1/Discharge	2.66 +/-0.811	0.954	U (B)
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	0.583 +/-0.310	NM	UJ (*III)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.131 +/-0.357	0.619	U
Tritium	pCi/L	20,000/-	1/Discharge	-36.9 +/-153	282	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	2.41 +/-7.69	13.7	U
Total Uranium	pCi/L	20/-	1/Discharge	0.450 +/-0.284	0.275	U (B)
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-86.3 +/-242	310	U

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY

THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

					01/20/2017 - 01/21/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	7.21/-	1/Discharge	Meas	0.099334	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	902/-	1/Discharge	Grab	1.2	J (DNQ)
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	0.36/-	1/Discharge	Composite	0.000538	J (DNQ)
Cadmium	LBS/DAY	(0.24)0.19/-	1/Discharge	Composite	ND <sup>(b)</sup>	U
Copper	LBS/DAY	0.84/-	1/Discharge	Composite	0.0056	--
Lead	LBS/DAY	0.31/-	1/Discharge	Composite	0.0033	--
Mercury	LBS/DAY	0.008/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	5.2/-	1/Year	Composite	ND	U
Selenium	LBS/DAY	0.3/-	1/Discharge	Composite	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	1.7E-09/-	1/Discharge	Composite	2.0E-13	*
Thallium	LBS/DAY	0.12/-	1/Discharge	Composite	ND	UJ (Q)
Total Cyanide	LBS/DAY	0.57/-	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	7.22/-	1/Discharge	Composite	0.0240	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia-N	LBS/DAY	607.3/-	1/Discharge	Composite	ND	U
Boron	LBS/DAY	60/-	1/Year	Composite	0.058	--
Chloride	LBS/DAY	9,020/-	1/Discharge	Composite	4.1	--
Fluoride	LBS/DAY	96.2/-	1/Year	Composite	ND	U
Nitrate-N	LBS/DAY	481/-	1/Discharge	Composite	ND	UJ (H)
Nitrite-N	LBS/DAY	60/-	1/Discharge	Composite	ND	UJ (H)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	481/-	1/Discharge	Composite	ND	UJ (H)
Perchlorate	LBS/DAY	0.36/-	1/Semiannual	Composite	ND	U
Sulfate	LBS/DAY	18,039/-	1/Discharge	Composite	3.6	--
Total Dissolved Solids	LBS/DAY	57,124/-	1/Discharge	Composite	99.4	--

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY

THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

					02/6/2017 - 02/7/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	7.21/-	1/Discharge	Meas	0.076893	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	902/-	1/Discharge	Grab	ND	U
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	0.36/-	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(0.24)0.19/-	1/Discharge	Composite	ND <sup>(b)</sup>	U
Copper	LBS/DAY	0.84/-	1/Discharge	Composite	0.00160	--
Lead	LBS/DAY	0.31/-	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.008/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	5.2/-	1/Year	Composite	0.000962	U (B)
Selenium	LBS/DAY	0.3/-	1/Discharge	Composite	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	1.7E-09/-	1/Discharge	Composite	ND	*
Thallium	LBS/DAY	0.12/-	1/Discharge	Composite	ND	U
Total Cyanide	LBS/DAY	0.57/-	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	7.22/-	1/Discharge	Composite	0.00705	U (B)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia-N	LBS/DAY	607.3/-	1/Discharge	Composite	ND	U
Boron	LBS/DAY	60/-	1/Year	Composite	ANR	ANR
Chloride	LBS/DAY	9,020/-	1/Discharge	Composite	5.6	--
Fluoride	LBS/DAY	96.2/-	1/Year	Composite	ANR	ANR
Nitrate-N	LBS/DAY	481/-	1/Discharge	Composite	2.3	--
Nitrite-N	LBS/DAY	60/-	1/Discharge	Composite	ND	U
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	481/-	1/Discharge	Composite	2.3	--
Perchlorate	LBS/DAY	0.36/-	1/Semiannual	Composite	0.00186	J (DNQ)
Sulfate	LBS/DAY	18,039/-	1/Discharge	Composite	5.5	--
Total Dissolved Solids	LBS/DAY	57,124/-	1/Discharge	Composite	122	--

OUTFALL 008 (HAPPY VALLEY DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY

THE BOEING COMPANY

SANTA SUSANA FIELD LABORATORY

NPDES PERMIT CA0001309

January 1 through March 31, 2017

					02/17/2017 - 02/18/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	7.21/-	1/Discharge	Meas	2.921968	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	902/-	1/Discharge	Grab	ND	U
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	0.36/-	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(0.24)0.19/-	1/Discharge	Composite	ND <sup>(b)</sup>	U
Copper	LBS/DAY	0.84/-	1/Discharge	Composite	0.063	--
Lead	LBS/DAY	0.31/-	1/Discharge	Composite	0.037	--
Mercury	LBS/DAY	0.008/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	5.2/-	1/Year	Composite	ND	U
Selenium	LBS/DAY	0.3/-	1/Discharge	Composite	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	1.7E-09/-	1/Discharge	Composite	2.9E-12	*
Thallium	LBS/DAY	0.12/-	1/Discharge	Composite	ND	U
Total Cyanide	LBS/DAY	0.57/-	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	7.22/-	1/Discharge	Composite	ND	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia-N	LBS/DAY	607.3/-	1/Discharge	Composite	ND	U
Boron	LBS/DAY	60/-	1/Year	Composite	ANR	ANR
Chloride	LBS/DAY	9,020/-	1/Discharge	Composite	73	--
Fluoride	LBS/DAY	96.2/-	1/Year	Composite	ANR	ANR
Nitrate-N	LBS/DAY	481/-	1/Discharge	Composite	39	--
Nitrite-N	LBS/DAY	60/-	1/Discharge	Composite	ND	U
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	481/-	1/Discharge	Composite	39	--
Perchlorate	LBS/DAY	0.36/-	1/Semiannual	Composite	ND	U
Sulfate	LBS/DAY	18,039/-	1/Discharge	Composite	78	--
Total Dissolved Solids	LBS/DAY	57,124/-	1/Discharge	Composite	2681	--

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

				01/09/2017 - 01/10/2017		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	64.33/-	1/Discharge	Meas	0.288139	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	7.23	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0/-	1/Discharge	Composite	0.77	J (DNQ)
Cadmium	µg/L	4.0/-	1/Discharge	Composite	ND < 0.25	U
Copper	µg/L	13/-	1/Discharge	Composite	4.9	--
Cyanide	µg/L	9.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	2.4	--
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	17	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0/-	1/Year	Composite	0.050	--
Chloride	mg/L	150/-	1/Discharge	Composite	4.3	--
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass	--
Fluoride	mg/L	1.6/-	1/Year	Composite	ND < 0.25	U
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1/Discharge	Composite	0.52	--
Perchlorate	µg/L	6.0/-	1/Semiannual	Composite	ND < 0.95	U
Sulfate	mg/L	250/-	1/Discharge	Composite	4.9	--
Temperature (Field)	deg F	86/-	1/Discharge	Grab	51.49	*
Total Dissolved Solids	mg/L	850/-	1/Discharge	Composite	65	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,1,1,2-Tetrachloroethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,1,2-Trichloroethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
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 < 0.562	U
1,2-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
1,2-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	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 < 0.562	U
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	-/-	1/Year	Composite	ND < 0.562	U
2,4-Dichlorophenol	µg/L	-/-	1/Year	Composite	ND < 1.12	U
2,4-Dimethylphenol	µg/L	-/-	1/Year	Composite	ND < 1.12	U
2,4-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.25	U
2,4-Dinitrotoluene	µg/L	-/-	1/Year	Composite	ND < 2.25	U
2,6-Dinitrotoluene	µg/L	-/-	1/Year	Composite	ND < 2.25	U
2-Chloroethylvinylether	µg/L	-/-	1/Year	Grab	ND < 1.0	U
2-Chloronaphthalene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
2-Chlorophenol	µg/L	-/-	1/Year	Composite	ND < 0.562	U
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.25	U
2-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 1.12	U
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	Composite	ND < 2.25	U
4,4'-DDD	µg/L	-/-	1/Year	Composite	ND < 0.0056	U
4,4'-DDE	µg/L	-/-	1/Year	Composite	ND < 0.0042	U
4,4'-DDT	µg/L	-/-	1/Year	Composite	ND < 0.0056	UJ (C)
4-Bromophenylphenylether	µg/L	-/-	1/Year	Composite	ND < 0.562	U
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	Composite	ND < 0.225	U
4-Chlorophenylphenylether	µg/L	-/-	1/Year	Composite	ND < 0.225	U
4-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.25	U
Acenaphthene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
Acenaphthylene	µg/L	-/-	1/Year	Composite	ND < 0.225	U

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/09/2017 - 01/10/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Acrolein	µg/L	-/-	1/Year	Grab	ND < 2.5	UJ (C)
Acrylonitrile	µg/L	-/-	1/Year	Grab	ND < 1.0	U
Aldrin	µg/L	-/-	1/Year	Composite	ND < 0.0021	U
alpha-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0035	U
Anthracene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
Aroclor 1016	µg/L	-/-	1/Year	Composite	ND < 0.26	UJ (H)
Aroclor 1221	µg/L	-/-	1/Year	Composite	ND < 0.26	UJ (H)
Aroclor 1232	µg/L	-/-	1/Year	Composite	ND < 0.26	UJ (H)
Aroclor 1242	µg/L	-/-	1/Year	Composite	ND < 0.26	UJ (C, H)
Aroclor 1248	µg/L	-/-	1/Year	Composite	ND < 0.26	UJ (H)
Aroclor 1254	µg/L	-/-	1/Year	Composite	ND < 0.26	UJ (H)
Aroclor 1260	µg/L	-/-	1/Year	Composite	ND < 0.26	UJ (H)
Arsenic	µg/L	-/-	1/Year	Composite	ND < 5.0	U
Asbestos	MFL	-/-	1/Year	Composite	ND < 0.19	UJ (H)
Benzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Benzidine	µg/L	-/-	1/Year	Composite	ND < 5.62	UJ (C)
Benzo(a)anthracene	µg/L	-/-	1/Year	Composite	ND < 2.25	U
Benzo(a)pyrene	µg/L	-/-	1/Year	Composite	ND < 0.562	U
Benzo(b)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 1.12	UJ (C)
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	Composite	ND < 2.25	U
Benzo(k)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 0.281	UJ (C)
Beryllium	µg/L	-/-	1/Year	Composite	ND < 1.0	U
beta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0056	U
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	Composite	ND < 0.225	U
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	Composite	ND < 0.225	U
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	Composite	ND < 0.225	U
Bis (2-Ethylhexyl) Phthalate	µg/L	-/-	1/Year	Composite	ND < 2.25	U
Bromodichloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Bromoform	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Bromomethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Butylbenzylphthalate	µg/L	-/-	1/Year	Composite	ND < 2.25	U
Carbon Tetrachloride	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chlordane	µg/L	-/-	1/Year	Composite	ND < 0.11	UJ (C)
Chlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloroethane	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Chloroform	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chromium	µg/L	-/-	1/Year	Composite	ND < 2.5	U
Chromium VI	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Chrysene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
delta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0049	U
Di-n-butylphthalate	µg/L	-/-	1/Year	Composite	ND < 1.12	U
Di-n-octylphthalate	µg/L	-/-	1/Year	Composite	ND < 2.25	U
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	Composite	ND < 0.281	U
Dibromochloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Dieldrin	µg/L	-/-	1/Year	Composite	ND < 0.0028	U
Diethylphthalate	µg/L	-/-	1/Year	Composite	ND < 0.562	U
Dimethylphthalate	µg/L	-/-	1/Year	Composite	ND < 0.281	U
Endosulfan I	µg/L	-/-	1/Year	Composite	ND < 0.0042	U
Endosulfan II	µg/L	-/-	1/Year	Composite	ND < 0.0028	U
Endosulfan Sulfate	µg/L	-/-	1/Year	Composite	ND < 0.0042	U
Endrin	µg/L	-/-	1/Year	Composite	ND < 0.0028	U
Endrin Aldehyde	µg/L	-/-	1/Year	Composite	ND < 0.0028	UJ (C)
Ethylbenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Fluoranthene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
Fluorene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
Heptachlor	µg/L	-/-	1/Year	Composite	ND < 0.0042	U
Heptachlor Epoxide	µg/L	-/-	1/Year	Composite	ND < 0.0035	U
Hexachlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.562	U
Hexachlorobutadiene	µg/L	-/-	1/Year	Composite	ND < 0.562	U
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	Composite	ND < 2.25	U
Hexachloroethane	µg/L	-/-	1/Year	Composite	ND < 0.562	U



OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/09/2017 - 01/10/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	Composite	ND < 1.12	U
Isophorone	µg/L	-/-	1/Year	Composite	ND < 0.562	U
Lindane (gamma-BHC)	µg/L	-/-	1/Year	Composite	ND < 0.0042	U
Methylene chloride	µg/L	-/-	1/Year	Grab	1.1	J (DNQ)
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	Composite	ND < 1.12	U
N-Nitrosodimethylamine	µg/L	-/-	1/Year	Composite	ND < 1.12	U
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	Composite	ND < 0.562	U
Naphthalene	µg/L	-/-	1/Year	Composite	ND < 0.562	U
Naphthalene	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Nitrobenzene	µg/L	-/-	1/Year	Composite	ND < 0.562	U
Pentachlorophenol	µg/L	-/-	1/Year	Composite	ND < 1.12	U
Phenanthrene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
Phenol	µg/L	-/-	1/Year	Composite	ND < 0.562	U
Pyrene	µg/L	-/-	1/Year	Composite	ND < 0.225	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 < 0.35	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	UJ (C)
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	750	J+ (Q)
Chlorpyrifos	µg/L	-/-	1/Year	Composite	ND < 0.56	U
Diazinon	µg/L	-/-	1/Year	Composite	ND < 0.14	U
E. Coli	MPN/100mL	-/-	1/Year	Grab	200	--
Hardness	mg/L	-/-	1/Year	Composite	29	J+ (L)
Iron	mg/L	-/-	1/Year	Composite	0.86	J+ (Q)
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	6.9	--
Vanadium	µg/L	-/-	1/Year	Composite	ND < 5.0	U
<b>ADDITIONAL POLLUTANTS</b>						
Aluminum, dissolved	µg/L	-/-	Additional/Year	Composite	180	J (H)
Antimony, dissolved	µg/L	-/-	Additional/Discharge	Composite	0.68	J (DNQ, H)
Arsenic, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Beryllium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 1.0	UJ (H)
Boron, dissolved	mg/L	-/-	Additional/Year	Composite	0.051	J (H)
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 2.5	UJ (H)
cis-1,2-Dichloroethene	µg/L	-/-	Additional/Year	Grab	ND < 0.25	U
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	4	J (H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	Composite	27	J (H)
Human Bacteriodes	CEs/100mL	-/-	Additional/Year	Grab	Absent	UJ (H)
Iron, dissolved	mg/L	-/-	Additional/Year	Composite	0.16	J (H)
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	0.61	J (DNQ, H)
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	0.1	J (DNQ, H)
Nickel, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 5.0	UJ (H)
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Thallium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Vanadium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	UJ (H)

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	01/19/2017 - 01/20/2017	
					RESULT	VALIDATION QUALIFIER
Flow**	MGD	64.33/-	1/Discharge	Meas	0.329809	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	6.54	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0/-	1/Discharge	Composite	0.83	J (DNQ)
Cadmium	µg/L	4.0/-	1/Discharge	Composite	ND < 0.25	U
Copper	µg/L	13/-	1/Discharge	Composite	3.4	--
Cyanide	µg/L	9.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	1.7	--
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 < 10	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	4.2	--
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass	--
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1/Discharge	Composite	0.44	--
Perchlorate	µg/L	6.0/-	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250/-	1/Discharge	Composite	4.2	--
Temperature (Field)	deg F	86/-	1/Discharge	Grab	45.23	*
Total Dissolved Solids	mg/L	850/-	1/Discharge	Composite	72	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,1,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/19/2017 - 01/20/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-/-	1/Year	ANR	ANR	ANR
Asbestos	MFL	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benztidine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium VI	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/19/2017 - 01/20/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-/-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-/-	1/Year	ANR	ANR	ANR
E. Coli	MPN/100mL	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Iron	mg/L	-/-	1/Year	ANR	ANR	ANR
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	ANR	ANR	ANR
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Aluminum, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-/-	Additional/Discharge	Composite	0.75	J (DNQ, H)
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	5.7	J (H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteriodes	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	0.57	J (DNQ, H)
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 5.0	UJ (H)
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Thallium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	UJ (H)

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/20/2017 - 01/21/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	64.33/-	1/Discharge	Meas	1.572639	*
<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	6.84	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0/-	1/Discharge	Composite	0.56	J (DNQ)
Cadmium	µg/L	4.0/-	1/Discharge	Composite	ND < 0.25	U
Copper	µg/L	13/-	1/Discharge	Composite	5.2	--
Cyanide	µg/L	9.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	4.6	--
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	18	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	4.9	--
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	35.09	--
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1/Discharge	Composite	2.1	--
Perchlorate	µg/L	6.0/-	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250/-	1/Discharge	Composite	4.3	--
Temperature (Field)	deg F	86/-	1/Discharge	Grab	48.02	*
Total Dissolved Solids	mg/L	850/-	1/Discharge	Composite	150	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,1,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/20/2017 - 01/21/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-/-	1/Year	ANR	ANR	ANR
Asbestos	MFL	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benztidine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium VI	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

				01/20/2017 - 01/21/2017		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-/-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-/-	1/Year	ANR	ANR	ANR
E. Coli	MPN/100mL	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Iron	mg/L	-/-	1/Year	ANR	ANR	ANR
Selenium	µg/L	-/-	1/Discharge	Composite	0.55	J (DNQ)
Silver	µg/L	-/-	1/Discharge	Composite	ND < 0.50	U
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Aluminum, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-/-	Additional/Discharge	Composite	0.55	J (DNQ, H)
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	3.3	J (H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteriodes	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	0.5	J (DNQ, H)
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 5.0	UJ (H)
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Thallium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	UJ (H)

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

				02/04/2017 - 02/05/2017		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	64.33/-	1/Discharge	Meas	0.054463	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	6.59	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0/-	1/Discharge	Composite	0.74	J (DNQ)
Cadmium	µg/L	4.0/-	1/Discharge	Composite	ND < 0.25	U
Copper	µg/L	13/-	1/Discharge	Composite	3.6	--
Cyanide	µg/L	9.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	ND < 0.50	U
Mercury	µg/L	0.13/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	86/-	1/Discharge	Composite	1.3	J (DNQ)
Thallium	µg/L	2.0/-	1/Discharge	Composite	ND < 0.50	U
Zinc	µg/L	120/-	1/Discharge	Composite	4.0	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	14	--
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1/Discharge	Composite	2.2	--
Perchlorate	µg/L	6.0/-	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250/-	1/Discharge	Composite	12	--
Temperature (Field)	deg F	86/-	1/Discharge	Grab	50.41	*
Total Dissolved Solids	mg/L	850/-	1/Discharge	Composite	120	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,1,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR



OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/04/2017 - 02/05/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-/-	1/Year	ANR	ANR	ANR
Asbestos	MFL	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzydine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium VI	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

				02/04/2017 - 02/05/2017		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-/-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-/-	1/Year	ANR	ANR	ANR
E. Coli	MPN/100mL	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Iron	mg/L	-/-	1/Year	ANR	ANR	ANR
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	ANR	ANR	ANR
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Aluminum, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-/-	Additional/Discharge	Composite	0.74	J (DNQ)
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	U
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	4.4	--
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteriodes	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	U
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	U
Nickel, dissolved	µg/L	-/-	Additional/Discharge	Composite	1.3	J (DNQ)
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	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	4.6	J (DNQ)

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	02/11/2017 - 02/12/2017	
					RESULT	VALIDATION QUALIFIER
Flow**	MGD	64.33/-	1/Discharge	Meas	0.198795	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	6.56	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0/-	1/Discharge	Composite	1.4	J (DNQ)
Cadmium	µg/L	4.0/-	1/Discharge	Composite	ND < 0.25	U
Copper	µg/L	13/-	1/Discharge	Composite	4.4	--
Cyanide	µg/L	9.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	ND < 0.50	U
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 < 10	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	12	--
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1/Discharge	Composite	1.9	--
Perchlorate	µg/L	6.0/-	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250/-	1/Discharge	Composite	11	--
Temperature (Field)	deg F	86/-	1/Discharge	Grab	54.27	*
Total Dissolved Solids	mg/L	850/-	1/Discharge	Composite	140	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/11/2017 - 02/12/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-/-	1/Year	ANR	ANR	ANR
Asbestos	MFL	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benztidine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium VI	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/11/2017 - 02/12/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-/-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-/-	1/Year	ANR	ANR	ANR
E. Coli	MPN/100mL	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Iron	mg/L	-/-	1/Year	ANR	ANR	ANR
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	ANR	ANR	ANR
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Aluminum, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-/-	Additional/Discharge	Composite	1.3	J (DNQ)
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	U
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	3.8	--
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteriodes	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	U
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	U
Nickel, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 5.0	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	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	U

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	64.33/-	1/Discharge	Meas	5.926141	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	8.29	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0/-	1/Discharge	Composite	1.6	J (DNQ)
Cadmium	µg/L	4.0/-	1/Discharge	Composite	ND < 0.25	U
Copper	µg/L	13/-	1/Discharge	Composite	4.8	--
Cyanide	µg/L	9.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	9.5	--
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	20	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	3.1	--
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1/Discharge	Composite	0.97	--
Perchlorate	µg/L	6.0/-	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250/-	1/Discharge	Composite	3.0	--
Temperature (Field)	deg F	86/-	1/Discharge	Grab	51.28	*
Total Dissolved Solids	mg/L	850/-	1/Discharge	Composite	82	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-/-	1/Year	ANR	ANR	ANR
Asbestos	MFL	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzedine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium VI	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-/-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-/-	1/Year	ANR	ANR	ANR
E. Coli	MPN/100mL	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Iron	mg/L	-/-	1/Year	ANR	ANR	ANR
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	ANR	ANR	ANR
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Aluminum, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-/-	Additional/Discharge	Composite	0.98	J (DNQ, H)
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	2.7	J (H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteriodes	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	0.96	J (DNQ, H)
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 5.0	UJ (H)
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Thallium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	UJ (H)



OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/26/2017 - 02/27/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	64.33/-	1/Discharge	Meas	0.194077	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	6.68	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0/-	1/Discharge	Composite	0.68	J (DNQ)
Cadmium	µg/L	4.0/-	1/Discharge	Composite	ND < 0.25	U
Copper	µg/L	13/-	1/Discharge	Composite	3.0	--
Cyanide	µg/L	9.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	ND < 0.50	U
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 < 10	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	12	--
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1/Discharge	Composite	2.5	--
Perchlorate	µg/L	6.0/-	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250/-	1/Discharge	Composite	14	--
Temperature (Field)	deg F	86/-	1/Discharge	Grab	43.36	*
Total Dissolved Solids	mg/L	850/-	1/Discharge	Composite	130	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/26/2017 - 02/27/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-/-	1/Year	ANR	ANR	ANR
Asbestos	MFL	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzydine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium VI	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/26/2017 - 02/27/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-/-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-/-	1/Year	ANR	ANR	ANR
E. Coli	MPN/100mL	-/-	1/Year	ANR	ANR	ANR
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Iron	mg/L	-/-	1/Year	ANR	ANR	ANR
Selenium	µg/L	-/-	1/Discharge	Composite	ND < 0.50	U
Silver	µg/L	-/-	1/Discharge	Composite	ND < 5.0	U
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Aluminum, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-/-	Additional/Discharge	Composite	1.5	J (DNQ, H)
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	3.1	J (H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteriodes	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Discharge	Composite	1.7	J (DNQ, H)
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Thallium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	3.4	J (DNQ, H)

**OUTFALL 009 (WS-13 DRAINAGE)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Sample Type: Composite  
Sample Date: January 10, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	2.80E-07	5.20E-05	6.00E-06	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1.40E-07	5.20E-05	1.70E-06	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1.90E-07	5.20E-05	3.00E-07	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1.30E-07	5.20E-05	2.00E-07	U (B)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1.70E-07	5.20E-05	3.00E-07	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1.30E-07	5.20E-05	3.00E-07	U (B)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1.60E-07	5.20E-05	1.00E-07	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1.10E-07	5.20E-05	3.00E-07	U (B)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1.40E-07	5.20E-05	2.00E-07	U (B)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	1.80E-07	5.20E-05	5.20E-05	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	1.40E-07	5.20E-05	5.20E-05	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1.40E-07	5.20E-05	1.00E-07	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	1.40E-07	5.20E-05	5.20E-05	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	2.00E-07	1.00E-05	1.00E-05	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	1.10E-06	1.00E-05	1.00E-05	U	0.1	0.8	ND
OCDD	1/Discharge	2.60E-07	1.00E-04	6.10E-05	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	2.20E-07	1.00E-04	5.20E-06	U (B)	0.0001	0.02	ND

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

**OUTFALL 009 (WS-13 DRAINAGE)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Sample Type: Composite  
Sample Date: January 20, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	7.10E-07	5.10E-05	1.80E-05	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	3.30E-07	5.10E-05	1.10E-05	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	3.70E-07	5.10E-05	7.80E-06	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	6.80E-07	5.10E-05	6.70E-06	J (DNQ)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	9.30E-07	5.10E-05	6.00E-06	J (DNQ)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	6.90E-07	5.10E-05	6.90E-06	J (DNQ)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	8.70E-07	5.10E-05	6.40E-06	J (DNQ)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	5.70E-07	5.10E-05	6.90E-06	J (DNQ)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	5.80E-07	5.10E-05	6.30E-06	J (DNQ)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	9.50E-07	5.10E-05	5.70E-06	J (DNQ)	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	5.50E-07	5.10E-05	6.00E-06	J (DNQ)	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	6.40E-07	5.10E-05	6.60E-06	J (DNQ)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	6.20E-07	5.10E-05	5.10E-06	J (DNQ)	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	6.30E-07	1.00E-05	1.00E-05	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	1.70E-06	1.00E-05	2.10E-06	J (DNQ)	0.1	0.8	ND
OCDD	1/Discharge	6.40E-07	1.00E-04	1.10E-04	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	6.60E-07	1.00E-04	2.20E-05	U (B)	0.0001	0.02	ND

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

**OUTFALL 009 (WS-13 DRAINAGE)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Sample Type: Composite  
Sample Date: January 21, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	9.00E-07	5.20E-05	4.20E-05	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	5.10E-07	5.20E-05	1.40E-05	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	6.20E-07	5.20E-05	1.00E-06	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	5.50E-07	5.20E-05	9.00E-07	UJ (*III)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	9.80E-07	5.20E-05	5.20E-05	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	6.10E-07	5.20E-05	2.70E-06	J (DNQ)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	9.60E-07	5.20E-05	5.20E-05	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	4.80E-07	5.20E-05	1.70E-06	UJ (*III)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	6.80E-07	5.20E-05	5.20E-05	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	9.80E-07	5.20E-05	5.20E-05	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	5.80E-07	5.20E-05	5.20E-05	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	7.30E-07	5.20E-05	5.20E-05	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	5.60E-07	5.20E-05	5.20E-05	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	5.70E-07	1.00E-05	1.00E-05	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	1.70E-06	1.00E-05	1.00E-05	U	0.1	0.8	ND
OCDD	1/Discharge	7.70E-07	1.00E-04	4.50E-04	--	0.0001	0.01	4.5E-10
OCDF	1/Discharge	5.50E-07	1.00E-04	3.10E-05	U (B)	0.0001	0.02	ND

<b>TCDD TEQ w/out DNQ Values</b>	<b>4.5E-10</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

**OUTFALL 009 (WS-13 DRAINAGE)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Sample Type: Composite  
Sample Date: February 5, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	2.50E-07	5.00E-05	1.30E-06	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1.70E-07	5.00E-05	5.30E-07	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	2.00E-07	5.00E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1.80E-07	5.00E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1.30E-07	5.00E-05	2.20E-07	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1.80E-07	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1.30E-07	5.00E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1.50E-07	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1.10E-07	5.00E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	2.90E-07	5.00E-05	ND	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	1.30E-07	5.00E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1.10E-07	5.00E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	1.40E-07	5.00E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	2.30E-07	9.90E-06	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	2.70E-06	9.90E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	2.20E-07	9.90E-05	6.40E-06	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	1.60E-07	9.90E-05	1.20E-06	U (B)	0.0001	0.02	ND

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

**OUTFALL 009 (WS-13 DRAINAGE)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Type: Composite  
Sample Date: February 12, 2017**

<b>ANALYTE</b>	<b>SAMPLE FREQUENCY</b>	<b>LAB MDL (µg/L)</b>	<b>LAB RL (µg/L)</b>	<b>LAB RESULT (µg/L)</b>	<b>VALIDATION QUALIFIER</b>	<b>1998 WHO TEF</b>	<b>BEF Great Lakes Water Quality Initiative</b>	<b>TCDD Equivalent (w/out DNQ Values) (µg/L)</b>
1,2,3,4,6,7,8-HpCDD	1/Discharge	2.10E-07	4.80E-05	9.10E-07	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1.10E-07	4.80E-05	5.00E-07	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1.40E-07	4.80E-05	2.60E-07	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1.30E-07	4.80E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1.20E-07	4.80E-05	2.80E-07	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1.30E-07	4.80E-05	2.80E-07	U (B)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1.10E-07	4.80E-05	1.50E-07	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1.00E-07	4.80E-05	2.70E-07	U (B)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1.10E-07	4.80E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	2.10E-07	4.80E-05	ND	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	1.30E-07	4.80E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1.00E-07	4.80E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	1.30E-07	4.80E-05	2.10E-07	U (B)	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	1.70E-07	9.50E-06	3.10E-07	U (B)	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	1.10E-06	9.50E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	2.10E-07	9.50E-05	7.90E-06	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	1.90E-07	9.50E-05	1.10E-06	U (B)	0.0001	0.02	ND

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



**OUTFALL 009 (WS-13 DRAINAGE)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Sample Type: Composite  
Sample Date: February 18, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	1.20E-06	5.00E-05	4.90E-05	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1.10E-06	5.00E-05	1.40E-05	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1.40E-06	5.00E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	6.30E-07	5.00E-05	9.80E-07	UJ (*III)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	5.20E-07	5.00E-05	1.80E-06	UJ (*III)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	6.80E-07	5.00E-05	2.90E-06	UJ (*III)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	5.00E-07	5.00E-05	1.20E-06	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	5.60E-07	5.00E-05	2.20E-06	J (DNQ)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	5.10E-07	5.00E-05	8.40E-07	U (B)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	8.40E-07	5.00E-05	1.40E-06	UJ (*III)	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	5.00E-07	5.00E-05	1.20E-06	U (B)	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	4.30E-07	5.00E-05	1.30E-06	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	5.00E-07	5.00E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	4.70E-07	1.00E-05	8.90E-07	UJ (*III)	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	3.10E-07	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1/Discharge	2.40E-06	1.00E-04	5.60E-04	--	0.0001	0.01	5.6E-10
OCDF	1/Discharge	1.30E-06	1.00E-04	2.90E-05	U (B)	0.0001	0.02	ND

<b>TCDD TEQ w/out DNQ Values</b>	<b>5.6E-10</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

**OUTFALL 009 (WS-13 DRAINAGE)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Type: Composite  
Sample Date: February 27, 2017**

<b>ANALYTE</b>	<b>SAMPLE FREQUENCY</b>	<b>LAB MDL (µg/L)</b>	<b>LAB RL (µg/L)</b>	<b>LAB RESULT (µg/L)</b>	<b>VALIDATION QUALIFIER</b>	<b>1998 WHO TEF</b>	<b>BEF Great Lakes Water Quality Initiative</b>	<b>TCDD Equivalent (w/out DNQ Values) (µg/L)</b>
1,2,3,4,6,7,8-HpCDD	1/Discharge	8.20E-07	4.90E-05	ND	U	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1.30E-07	4.90E-05	6.30E-07	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1.90E-07	4.90E-05	4.10E-07	J (DNQ)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	2.70E-07	4.90E-05	7.30E-07	UJ (*III)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	2.70E-07	4.90E-05	4.70E-07	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	2.40E-07	4.90E-05	6.60E-07	U (B)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	2.20E-07	4.90E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	2.10E-07	4.90E-05	4.50E-07	U (B)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	2.30E-07	4.90E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	2.40E-07	4.90E-05	3.40E-07	J (DNQ)	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	1.60E-07	4.90E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	2.00E-07	4.90E-05	3.30E-07	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	1.80E-07	4.90E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	2.30E-07	9.80E-06	3.80E-07	UJ (*III)	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	1.40E-07	9.80E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	2.50E-07	9.80E-05	9.00E-06	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	2.50E-07	9.80E-05	1.80E-06	U (B)	0.0001	0.02	ND

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

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	1/10/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	1.07 +/-0.831	1.24	UJ (*III)
Gross Beta	pCi/L	50/-	1/Discharge	2.16 +/-0.689	0.829	J (DNQ)
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	0.301 +/-0.187	NM	UJ (*III)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.115 +/-0.285	0.493	U
Tritium	pCi/L	20,000/-	1/Discharge	207 +/-193	312	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	-4.50 +/-9.43	17.6	U
Total Uranium	pCi/L	20/-	1/Discharge	0.158 +/- 0.1247	0.111	U (B)
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	50.8 +/-119	204	U

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	1/20/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	0.552 +/-0.786	1.32	UJ (*III)
Gross Beta	pCi/L	50/-	1/Discharge	1.23 +/-0.584	0.798	U (B)
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	0.486 +/-0.276	NM	UJ (*III)
Strontium-90	pCi/L	8.0/-	1/Discharge	-0.0527 +/-0.277	0.508	U
Tritium	pCi/L	20,000/-	1/Discharge	455 +/-229	332	U (B)
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	14.2 +/-8.71	11.9	UJ (B,E)
Total Uranium	pCi/L	20/-	1/Discharge	-0.0861 +/- 0.333	0.772	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-7.20 +/-165	217	U

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	1/21/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	2.01 +/-1.04	1.35	UJ (B, *III)
Gross Beta	pCi/L	50/-	1/Discharge	3.67 +/-0.907	0.949	J (DNQ)
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	0.720 +/-0.515	NM	U
Strontium-90	pCi/L	8.0/-	1/Discharge	0.102 +/-0.304	0.529	U
Tritium	pCi/L	20,000/-	1/Discharge	-29.7 +/-159	291	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	-7.16 +/-10.3	16.3	U
Total Uranium	pCi/L	20/-	1/Discharge	0.243 +/- 0.536	0.905	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-65.9 +/-160	217	U

**OUTFALL 009 (WS-13 DRAINAGE)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	2/5/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	0.363 +/-0.800	1.42	UJ (*III)
Gross Beta	pCi/L	50/-	1/Discharge	1.69 +/-0.686	0.918	J (DNQ)
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	0.350 +/- 0.244	NM	UJ (*III)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.119 +/-0.155	0.257	U
Tritium	pCi/L	20,000/-	1/Discharge	-156 +/-172	331	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	-3.61 +/-11.6	20.0	U
Total Uranium	pCi/L	20/-	1/Discharge	0.0849 +/-0.1007	0.134	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-43.0 +/-147	206	U

**OUTFALL 009 (WS-13 DRAINAGE)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	2/12/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	-0.244 +/-0.843	1.69	UJ (*III)
Gross Beta	pCi/L	50/-	1/Discharge	1.80 +/-0.790	1.12	J (DNQ)
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	0.489 +/-0.291	NM	U
Strontium-90	pCi/L	8.0/-	1/Discharge	0.113 +/-0.351	0.608	U
Tritium	pCi/L	20,000/-	1/Discharge	-145 +/-165	320	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	5.35 +/-10.6	17.9	U
Total Uranium	pCi/L	20/-	1/Discharge	0.142 +/-0.1115	0.0948	U (B)
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-141 +/-123	247	U

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	2/18/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	2.18 +/-1.07	1.37	UJ (B, *III)
Gross Beta	pCi/L	50/-	1/Discharge	3.35 +/-0.887	0.974	J (B, DNQ)
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	0.590 +/-0.331	NM	UJ (B, *III)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.292 +/-0.188	0.284	U (B)
Tritium	pCi/L	20,000/-	1/Discharge	-24.8 +/-156	286	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	0.975 +/-8.97	15.7	U
Total Uranium	pCi/L	20/-	1/Discharge	0.195 +/-0.172	0.199	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-12.0 +/-176	216	U



OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	2/27/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	0.793 +/-0.988	1.63	UJ (*III)
Gross Beta	pCi/L	50/-	1/Discharge	1.02 +/-0.643	0.959	J (DNQ)
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	1/Discharge	0.424 +/-0.272	NM	UJ (*III)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.233 +/-0.166	0.256	U
Tritium	pCi/L	20,000/-	1/Discharge	-127 +/-177	338	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	-5.97 +/-11.5	13.8	U
Total Uranium	pCi/L	20/-	1/Discharge	0.110 +/-0.142	0.189	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-57.7 +/-110	176	U

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

				01/09/2017 - 01/10/2017 (Grab & Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow	MGD	64.33/-	1/Discharge	Meas	0.288139	*
<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	0.0019	J (DNQ)
Cadmium	LBS/DAY	2.15/-	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7/-	1/Discharge	Composite	0.012	--
Cyanide	LBS/DAY	5.1/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	2.8/-	1/Discharge	Composite	0.0058	--
Mercury	LBS/DAY	0.07/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	46.14/-	1/Discharge	Composite	ND	U
TCDD TEQ_NoDNQ	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	0.041	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537/-	1/Year	Composite	0.00012	--
Chloride	LBS/DAY	80,477/-	1/Discharge	Composite	0.010	--
Fluoride	LBS/DAY	858-	1/Year	Composite	ND	U
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365/-	1/Discharge	Composite	0.0012	--
Perchlorate	LBS/DAY	3.22/-	1/Semiannual	Composite	ND	U
Sulfate	LBS/DAY	134,128/-	1/Discharge	Composite	0.012	--
Total Dissolved Solids	LBS/DAY	456,034/-	1/Discharge	Composite	0.16	--

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

				01/19/2017 - 01/20/2017 (Grab & Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow	MGD	64.33/-	1/Discharge	Meas	0.329809	*
<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	0.0023	J (DNQ)
Cadmium	LBS/DAY	2.15/-	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7/-	1/Discharge	Composite	0.0094	--
Cyanide	LBS/DAY	5.1/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	2.8/-	1/Discharge	Composite	0.0047	--
Mercury	LBS/DAY	0.07/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	46.14/-	1/Discharge	Composite	ND	U
TCDD TEQ_NoDNQ	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	ANR	ANR
Chloride	LBS/DAY	80,477/-	1/Discharge	Composite	0.012	--
Fluoride	LBS/DAY	858-	1/Year	Composite	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365/-	1/Discharge	Composite	0.0012	--
Perchlorate	LBS/DAY	3.22/-	1/Semiannual	Composite	ANR	ANR
Sulfate	LBS/DAY	134,128/-	1/Discharge	Composite	0.012	--
Total Dissolved Solids	LBS/DAY	456,034/-	1/Discharge	Composite	0.20	--

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

					01/20/2017 - 01/21/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow	MGD	64.33/-	1/Discharge	Meas	1.572639	*
<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	0.0073	J (DNQ)
Cadmium	LBS/DAY	2.15/-	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7/-	1/Discharge	Composite	0.068	--
Cyanide	LBS/DAY	5.1/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	2.8/-	1/Discharge	Composite	0.060	--
Mercury	LBS/DAY	0.07/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	46.14/-	1/Discharge	Composite	ND	U
TCDD TEQ, NoDNQ	LBS/DAY	1.5E-08/-	1/Discharge	Composite	5.9E-12	*
Thallium	LBS/DAY	1.1/-	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	64.4/-	1/Discharge	Composite	0.24	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537/-	1/Year	Composite	ANR	ANR
Chloride	LBS/DAY	80,477/-	1/Discharge	Composite	0.064	--
Fluoride	LBS/DAY	858-	1/Year	Composite	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365/-	1/Discharge	Composite	0.028	--
Perchlorate	LBS/DAY	3.22/-	1/Semiannual	Composite	ANR	ANR
Sulfate	LBS/DAY	134,128/-	1/Discharge	Composite	0.056	--
Total Dissolved Solids	LBS/DAY	456,034/-	1/Discharge	Composite	1.97	--

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY

THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

					02/04/2017 - 02/05/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow	MGD	64.33/-	1/Discharge	Meas	0.054463	*
<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	0.0018	J (DNQ)
Cadmium	LBS/DAY	2.15/-	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7/-	1/Discharge	Composite	0.0087	--
Cyanide	LBS/DAY	5.1/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	2.8/-	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.07/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	46.14/-	1/Discharge	Composite	ND	J (DNQ)
TCDD TEQ_NoDNQ	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	0.010	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537/-	1/Year	Composite	ANR	ANR
Chloride	LBS/DAY	80,477/-	1/Discharge	Composite	0.034	--
Fluoride	LBS/DAY	858-	1/Year	Composite	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365/-	1/Discharge	Composite	0.0053	--
Perchlorate	LBS/DAY	3.22/-	1/Semiannual	Composite	ANR	ANR
Sulfate	LBS/DAY	134,128/-	1/Discharge	Composite	0.029	--
Total Dissolved Solids	LBS/DAY	456,034/-	1/Discharge	Composite	0.288	--

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY

THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

					02/11/2017 - 02/12/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow	MGD	64.33/-	1/Discharge	Meas	0.198795	*
<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	0.0034	J (DNQ)
Cadmium	LBS/DAY	2.15/-	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7/-	1/Discharge	Composite	0.011	--
Cyanide	LBS/DAY	5.1/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	2.8/-	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.07/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	46.14/-	1/Discharge	Composite	ND	U
TCDD TEQ_NoDNQ	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	ANR	ANR
Chloride	LBS/DAY	80,477/-	1/Discharge	Composite	0.029	--
Fluoride	LBS/DAY	858-	1/Year	Composite	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365/-	1/Discharge	Composite	0.0046	--
Perchlorate	LBS/DAY	3.22/-	1/Semiannual	Composite	ANR	ANR
Sulfate	LBS/DAY	134,128/-	1/Discharge	Composite	0.026	--
Total Dissolved Solids	LBS/DAY	456,034/-	1/Discharge	Composite	0.336	--

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

					02/17/2017 - 02/18/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow	MGD	64.33/-	1/Discharge	Meas	5.926141	*
<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	0.0038	J (DNQ)
Cadmium	LBS/DAY	2.15/-	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7/-	1/Discharge	Composite	0.012	--
Cyanide	LBS/DAY	5.1/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	2.8/-	1/Discharge	Composite	0.023	--
Mercury	LBS/DAY	0.07/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	46.14/-	1/Discharge	Composite	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	1.5E-08/-	1/Discharge	Composite	2.8E-11	*
Thallium	LBS/DAY	1.1/-	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	64.4/-	1/Discharge	Composite	0.048	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537/-	1/Year	Composite	ANR	ANR
Chloride	LBS/DAY	80,477/-	1/Discharge	Composite	0.0074	--
Fluoride	LBS/DAY	858-	1/Year	Composite	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365/-	1/Discharge	Composite	0.0023	--
Perchlorate	LBS/DAY	3.22/-	1/Semiannual	Composite	ANR	ANR
Sulfate	LBS/DAY	134,128/-	1/Discharge	Composite	0.0072	--
Total Dissolved Solids	LBS/DAY	456,034/-	1/Discharge	Composite	0.20	--

OUTFALL 009 (WS-13 DRAINAGE)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

				02/26/2017 - 02/27/2017 (Grab & Composite)		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow	MGD	64.33/-	1/Discharge	Meas	0.194077	*
<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	0.0016	J (DNQ)
Cadmium	LBS/DAY	2.15/-	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7/-	1/Discharge	Composite	0.0072	--
Cyanide	LBS/DAY	5.1/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	2.8/-	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.07/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	46.14/-	1/Discharge	Composite	ND	U
TCDD TEQ_NoDNQ	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	ANR	ANR
Chloride	LBS/DAY	80,477/-	1/Discharge	Composite	0.029	--
Fluoride	LBS/DAY	858-	1/Year	Composite	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365/-	1/Discharge	Composite	0.0060	--
Perchlorate	LBS/DAY	3.22/-	1/Semiannual	Composite	ANR	ANR
Sulfate	LBS/DAY	134,128/-	1/Discharge	Composite	0.034	--
Total Dissolved Solids	LBS/DAY	456,034/-	1/Discharge	Composite	0.312	--



OUTFALL 011 (PERIMETER POND)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNIT	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/23/2017 - 01/24/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	1.524913	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-day@20 Deg. C)	mg/L	30/-	1/Discharge	Composite	1.6	J (DNQ)
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.4	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	6.57	*
Total Suspended Solids <sup>#</sup>	mg/L	45/-	1/Discharge	Composite	33 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0/-	1/Discharge	Grab	ND < 0.25	U
1,2-Dichloroethane	µg/L	0.5/-	1/Discharge	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	13/-	1/Discharge	Composite	ND < 0.503	U
2,4-Dinitrotoluene	µg/L	18/-	1/Discharge	Composite	ND < 2.01	U
alpha-BHC	µg/L	0.03/-	1/Discharge	Composite	ND < 0.0025	U
Antimony	µg/L	6.0/-	1/Year	Composite	ND < 0.50	U
Arsenic	µg/L	10.0/-	1/Year	Composite	ND < 5.0	U
Beryllium	µg/L	4.0/-	1/Year	Composite	ND < 1.0	U
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0/-	1/Discharge	Composite	ND < 2.01	U
Cadmium	µg/L	(4.0) 3.1/-	1/Discharge	Composite	ND < 0.25 <sup>(b)</sup>	U
Chromium VI	µg/L	16/-	1/Year	Composite	ND < 0.25	UJ (H)
Copper	µg/L	14/-	1/Discharge	Composite	2.8	--
Cyanide	µg/L	8.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	1.1	--
Mercury	µg/L	0.1/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	94/-	1/Year	Composite	ND < 5.0	U
N-Nitrosodimethylamine	µg/L	16/-	1/Discharge	Composite	ND < 1.01	U
Pentachlorophenol	µg/L	16.5/-	1/Discharge	Composite	ND < 1.01	U
Selenium	µg/L	(5) 8.2/-	1/Discharge	Composite	ND < 0.50 <sup>(f)</sup>	U
Silver	µg/L	4.1/-	1/Year	Composite	ND < 0.50	U
Thallium	µg/L	2.0/-	1/Year	Composite	ND < 0.50	U
Trichloroethene	µg/L	5.0/-	1/Discharge	Grab	ND < 0.25	U
Zinc	µg/L	119/-	1/Discharge	Composite	11	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia	mg/L	10.1/-	1/Discharge	Composite	ND < 0.100	U
Barium	mg/L	1.0/-	1/Year	Composite	0.018	--
Chloride	mg/L	150/-	1/Discharge	Composite	5.1	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	Grab	0.002	*
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass	--
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	0.14	--
Fluoride	mg/L	1.6/-	1/Year	Composite	ND < 0.25	U
Iron	mg/L	0.3/-	1/Year	Composite	0.77	J+ (Q, Q1)
Manganese	µg/L	50/-	1/Year	Composite	33	--
Nitrate	mg/L	8/-	1/Discharge	Composite	1.3	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	1.3	--
Nitrite	mg/L	1/-	1/Discharge	Composite	ND < 0.070	U
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Settleable Solids <sup>#</sup>	ml/L	0.3/-	1/Discharge	Grab	ND < 0.10 <sup>(c)</sup>	U
Sulfate	mg/L	300/-	1/Discharge	Composite	12	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	43.9	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	110	--
<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
1,1-Dichloroethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.503	U
1,2-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.201	U
1,2-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,2-Dichloropropane	µg/L	-/-	1/Year	Grab	ND < 0.25	U

OUTFALL 011 (PERIMETER POND)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNIT	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/23/2017 - 01/24/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	Composite	ND < 0.503	UJ (L1)
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.201	U
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.201	U
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
2,4-Dichlorophenol	µg/L	-/-	1/Year	Composite	ND < 1.01	U
2,4-Dimethylphenol	µg/L	-/-	1/Year	Composite	ND < 1.01	U
2,4-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.01	U
2,6-Dinitrotoluene	µg/L	-/-	1/Year	Composite	ND < 2.01	U
2-Chloroethylvinylether	µg/L	-/-	1/Year	Grab	ND < 1.0	U
2-Chloronaphthalene	µg/L	-/-	1/Year	Composite	ND < 0.201	U
2-Chlorophenol	µg/L	-/-	1/Year	Composite	ND < 0.503	U
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.01	U
2-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 1.01	U
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	Composite	ND < 2.01	UJ (L1)
4,4'-DDD	µg/L	-/-	1/Year	Composite	ND < 0.0040	U
4,4'-DDE	µg/L	-/-	1/Year	Composite	ND < 0.0030	U
4,4'-DDT	µg/L	-/-	1/Year	Composite	ND < 0.0040	U
4-Bromophenylphenylether	µg/L	-/-	1/Year	Composite	ND < 0.503	U
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	Composite	ND < 0.201	U
4-Chlorophenylphenylether	µg/L	-/-	1/Year	Composite	ND < 0.201	U
4-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.01	U
Acenaphthene	µg/L	-/-	1/Year	Composite	ND < 0.201	U
Acenaphthylene	µg/L	-/-	1/Year	Composite	ND < 0.201	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 < 0.0015	U
Anthracene	µg/L	-/-	1/Year	Composite	ND < 0.201	U
Aroclor 1016	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Aroclor 1221	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Aroclor 1232	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Aroclor 1242	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Aroclor 1248	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Aroclor 1254	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Aroclor 1260	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Benzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Ben-zidine	µg/L	-/-	1/Year	Composite	ND < 5.03	UJ (C)
Benzo(a)anthracene	µg/L	-/-	1/Year	Composite	ND < 2.01	U
Benzo(a)pyrene	µg/L	-/-	1/Year	Composite	ND < 0.503	UJ (L1)
Benzo(b)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 1.01	U
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	Composite	ND < 2.01	U
Benzo(k)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 0.251	U
beta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0040	U
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	Composite	ND < 0.201	UJ (L1)
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	Composite	ND < 0.201	U
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	Composite	ND < 0.201	U
Bromodichloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Bromoform	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Bromomethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Butylbenzylphthalate	µg/L	-/-	1/Year	Composite	ND < 2.01	U
Carbon Tetrachloride	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chlordane	µg/L	-/-	1/Year	Composite	ND < 0.080	U
Chlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloroethane	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Chloroform	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chromium	µg/L	-/-	1/Year	Composite	ND < 2.5	U
Chrysene	µg/L	-/-	1/Year	Composite	ND < 0.201	U

OUTFALL 011 (PERIMETER POND)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNIT	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/23/2017 - 01/24/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
delta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0035	U
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	Composite	ND < 0.251	U
Dibromochloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Dieldrin	µg/L	-/-	1/Year	Composite	ND < 0.0020	U
Diethylphthalate	µg/L	-/-	1/Year	Composite	ND < 0.503	U
Dimethylphthalate	µg/L	-/-	1/Year	Composite	ND < 0.251	U
Di-n-butylphthalate	µg/L	-/-	1/Year	Composite	ND < 1.01	U
Di-n-octylphthalate	µg/L	-/-	1/Year	Composite	ND < 2.01	U
Endosulfan I	µg/L	-/-	1/Year	Composite	ND < 0.0030	U
Endosulfan II	µg/L	-/-	1/Year	Composite	ND < 0.0020	U
Endosulfan Sulfate	µg/L	-/-	1/Year	Composite	ND < 0.0030	U
Endrin	µg/L	-/-	1/Year	Composite	ND < 0.0020	U
Endrin Aldehyde	µg/L	-/-	1/Year	Composite	ND < 0.0020	UJ (C)
Ethylbenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Fluoranthene	µg/L	-/-	1/Year	Composite	ND < 0.201	U
Fluorene	µg/L	-/-	1/Year	Composite	ND < 0.201	U
Heptachlor	µg/L	-/-	1/Year	Composite	ND < 0.0030	U
Heptachlor Epoxide	µg/L	-/-	1/Year	Composite	ND < 0.0025	U
Hexachlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.503	U
Hexachlorobutadiene	µg/L	-/-	1/Year	Composite	ND < 0.503	U
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	Composite	ND < 2.01	U
Hexachloroethane	µg/L	-/-	1/Year	Composite	ND < 0.503	U
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	Composite	ND < 1.01	U
Isophorone	µg/L	-/-	1/Year	Composite	ND < 0.503	U
Lindane (gamma-BHC)	µg/L	-/-	1/Year	Composite	ND < 0.0030	U
m,p-Xylenes	µg/L	-/-	1/Year	Grab	ND < 0.50	U
Methylene chloride	µg/L	-/-	1/Year	Grab	ND < 0.88	U
Naphthalene	µg/L	-/-	1/Year	Composite	ND < 0.503	U
Naphthalene	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Nitrobenzene	µg/L	-/-	1/Year	Composite	ND < 0.503	U
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	Composite	ND < 1.01	U
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	Composite	ND < 0.503	UJ (L1)
o-Xylene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Phenanthrene	µg/L	-/-	1/Year	Composite	ND < 0.201	U
Phenol	µg/L	-/-	1/Year	Composite	ND < 0.503	U
Pyrene	µg/L	-/-	1/Year	Composite	ND < 0.201	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 < 0.25	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
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>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/Quarter	Grab	ND < 0.50	U
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-/-	1/Year	Grab	ND < 1.0	U
1,4-Dioxane	µg/L	-/-	1/Year	Composite	ND < 0.50	U
Boron	mg/L	-/-	1/Year	Composite	0.14	--
cis-1,2-Dichloroethene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Cobalt	µg/L	-/-	1/Year	Composite	ND < 2.5	U
Conductivity	µmhos/cm	-/-	1/Discharge	Grab	71	--
Cyclohexane	µg/L	-/-	1/Year	Grab	ND < 1.0	U
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	Grab	ND < 0.096	U
Dissolved Oxygen	mg/L	-/-	1/Discharge	Grab	4.82	*
E. Coli	mpn/100mL	-/-	1/Year	Grab	170	--
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	Grab	ND < 0.025	U

OUTFALL 011 (PERIMETER POND)

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 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
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ANALYTE	UNIT	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/23/2017 - 01/24/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Hardness	mg/L	-/-	1/Year	Composite	36	--
Monomethyl hydrazine	µg/L	-/-	1/Year	Composite	ND < 0.25	UJ (H)
Total Organic Carbon	mg/L	-/-	1/Year	Composite	8.1	--
Turbidity	NTU	-/-	1/Discharge	Composite	34	--
Vanadium	µg/L	-/-	1/Year	Composite	ND < 5.0	U
<b>ADDITIONAL POLLUTANTS</b>						
Antimony, dissolved	µg/L	-/-	Additional/Year	Composite	0.52	UJ (H, B)
Arsenic, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Barium, dissolved	mg/L	-/-	Additional/Year	Composite	0.0097	J (DNQ,H)
Beryllium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 1.0	UJ (H)
Boron, dissolved	mg/L	-/-	Additional/Year	Composite	0.12	J (H)
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 2.5	UJ (H)
Cobalt, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 2.5	UJ (H)
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	1.9	J (DNQ, H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	Composite	31	J (H)
Human Bacteroides	CEs/100mL	-/-	Additional/Year	Grab	Present	--
Iron, dissolved	mg/L	-/-	Additional/Year	Composite	0.14	J (H)
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Manganese, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 10	UJ (H)
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 0.50	UJ (H)
Thallium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 0.50	UJ (H)
Vanadium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	UJ (H)

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ANALYTE	UNIT	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	3.90816	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-day@20 Deg. C)	mg/L	30/-	1/Discharge	Composite	1.9	J (DNQ)
Oil & Grease	mg/L	15/-	1/Discharge	Grab	12	--
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	7.39	*
Total Suspended Solids <sup>#</sup>	mg/L	45/-	1/Discharge	Composite	50 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0/-	1/Discharge	Grab	ND < 0.25	U
1,2-Dichloroethane	µg/L	0.5/-	1/Discharge	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	13/-	1/Discharge	Composite	ND < 0.515	U
2,4-Dinitrotoluene	µg/L	18/-	1/Discharge	Composite	ND < 2.06	U
alpha-BHC	µg/L	0.03/-	1/Discharge	Composite	ND < 0.0024	U
Antimony	µg/L	6.0/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0/-	1/Discharge	Composite	ND < 2.06	U
Cadmium	µg/L	(4.0) 3.1/-	1/Discharge	Composite	ND < 0.25 <sup>(b)</sup>	U
Chromium VI	µg/L	16/-	1/Year	ANR	ANR	ANR
Copper	µg/L	14/-	1/Discharge	Composite	4.3	--
Cyanide	µg/L	8.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	2.0	--
Mercury	µg/L	0.1/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	94/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16/-	1/Discharge	Composite	ND < 1.03	U
Pentachlorophenol	µg/L	16.5/-	1/Discharge	Composite	ND < 1.03	U
Selenium	µg/L	(5) 8.2/-	1/Discharge	Composite	ND < 0.50 <sup>(f)</sup>	U
Silver	µg/L	4.1/-	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0/-	1/Discharge	Grab	ND < 0.25	U
Zinc	µg/L	119/-	1/Discharge	Composite	26	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia	mg/L	10.1/-	1/Discharge	Composite	ND < 0.100	U
Barium	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	3.0	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	27.61	J (H)
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	0.077	J (DNQ)
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3/-	1/Year	ANR	ANR	ANR
Manganese	µg/L	50/-	1/Year	ANR	ANR	ANR
Nitrate	mg/L	8/-	1/Discharge	Composite	1.0	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	1.0	--
Nitrite	mg/L	1/-	1/Discharge	Composite	ND < 0.070	U
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Settleable Solids <sup>#</sup>	ml/L	0.3/-	1/Discharge	Grab	0.30 <sup>(c)</sup>	--
Sulfate	mg/L	300/-	1/Discharge	Composite	4.2	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	50.07	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	100	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR

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ANALYTE	UNIT	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benidine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR

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ANALYTE	UNIT	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-/-	1/Year	ANR	ANR	ANR
Boron	mg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-/-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-/-	1/Discharge	Grab	79	--
Cyclohexane	µg/L	-/-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	1/Discharge	Grab	13.86	*
E. Coli	mpn/100mL	-/-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	ANR	ANR	ANR

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ANALYTE	UNIT	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-/-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-/-	1/Discharge	Composite	56	--
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Antimony, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	3.5	J (H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-/-	Additional/Year	Grab	Present	--
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Manganese, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	23	J (H)



OUTFALL 011 (PERIMETER POND)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Sample Type: Composite  
 Sample Date: January 24, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	6.00E-07	4.80E-05	1.30E-05	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	3.40E-07	4.80E-05	5.40E-06	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	4.90E-07	4.80E-05	7.60E-07	UJ (*III)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	2.30E-07	4.80E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	2.80E-07	4.80E-05	6.30E-07	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	2.30E-07	4.80E-05	8.50E-07	U (B)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	2.70E-07	4.80E-05	6.90E-07	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1.80E-07	4.80E-05	7.80E-07	U (B)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	2.50E-07	4.80E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	2.30E-07	4.80E-05	3.90E-07	UJ (*III)	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	2.70E-07	4.80E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	2.20E-07	4.80E-05	4.30E-07	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	2.80E-07	4.80E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	2.10E-07	9.50E-06	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	4.80E-07	9.50E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	8.60E-07	9.50E-05	1.20E-04	--	0.0001	0.01	1.2E-10
OCDF	1/Discharge	4.30E-07	9.50E-05	1.60E-05	U (B)	0.0001	0.02	ND

<b>TCDD TEQ w/out DNQ Values</b>	<b>1.2E-10</b>
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

OUTFALL 011 (PERIMETER POND)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Sample Type: Composite  
 Sample Date: February 18, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	1.40E-06	4.80E-05	5.50E-05	--	0.01	0.05	2.8E-08
1,2,3,4,6,7,8-HpCDF	1/Discharge	7.50E-07	4.80E-05	2.30E-05	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1.00E-06	4.80E-05	1.80E-06	UJ (*III)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	5.30E-07	4.80E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	4.60E-07	4.80E-05	2.30E-06	J (DNQ)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	5.90E-07	4.80E-05	2.10E-06	UJ (*III)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	4.70E-07	4.80E-05	1.00E-06	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	4.80E-07	4.80E-05	1.60E-06	UJ (*III)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	4.70E-07	4.80E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	5.40E-07	4.80E-05	7.20E-07	J (DNQ)	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	4.90E-07	4.80E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	4.20E-07	4.80E-05	1.20E-06	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	4.80E-07	4.80E-05	7.50E-07	UJ (*III)	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	3.20E-07	9.60E-06	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	3.60E-07	9.60E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	1.70E-06	9.60E-05	5.60E-04	--	0.0001	0.01	5.6E-10
OCDF	1/Discharge	9.30E-07	9.60E-05	4.80E-05	U (B)	0.0001	0.02	ND

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

TCDD TEQ calculations to determine compliance to the NPDES Permit are reported with the same number of significant figures as the Daily Maximum Permit Limit. Exceedances are defined on page 6 of the NPDES Permit as being in excess of the Daily Maximum Permit Limit.

OUTFALL 011 (PERIMETER POND)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNIT	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	1/24/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	2.68 +/-1.29	1.66	J (B *III DNQ)
Gross Beta	pCi/L	50/-	1/Discharge	2.75 +/-0.820	0.945	J (B, DNQ)
Radium-226 & 228	pCi/L	5.0/-	1/Discharge	1.67 +/-0.963	NM	U (B)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.0301 +/-0.331	0.585	U
Tritium	pCi/L	20,000/-	1/Discharge	-103 +/-157	306	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	5.49 +/-9.88	16.6	U
Total Uranium	pCi/L	20/-	1/Discharge	0.431 +/-0.560	0.882	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-61.8 +/-109	176	U

OUTFALL 011 (PERIMETER POND)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNIT	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	2/18/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	2.66 +/-1.08	1.09	UJ (B, *III)
Gross Beta	pCi/L	50/-	1/Discharge	3.98 +/-0.919	0.885	J (DNQ)
Radium-226 & 228	pCi/L	5.0/-	1/Discharge	0.594 +/-0.368	NM	UJ (B, *III)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.616 +/-0.374	0.560	U (B)
Tritium	pCi/L	20,000/-	1/Discharge	-37.4 +/-159	294	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	-5.04 +/-11.4	19.4	U
Total Uranium	pCi/L	20/-	1/Discharge	0.165 +/-0.167	0.205	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-61.0 +/-189	242	U

**OUTFALL 011 (PERIMETER POND)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2017

					01/23/2017 - 01/24/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	1.524913	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481/-	1/Discharge	Composite	20	J (DNQ)
Oil & Grease	LBS/DAY	14,741/-	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222/-	1/Discharge	Composite	420 <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-Dinitrotoluene	LBS/DAY	17.7/-	1/Discharge	Composite	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8/-	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	UJ (H)
Copper	LBS/DAY	13.76/-	1/Discharge	Composite	0.036	--
Cyanide	LBS/DAY	8.35/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11/-	1/Discharge	Composite	0.014	--
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	LBS/DAY	2.8E-08	1/Discharge	Composite	1.5E-12	*
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	0.14	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3/-	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983/-	1/Year	Composite	0.23	--
Chloride	LBS/DAY	147,405/-	1/Discharge	Composite	65	--
Chlorine, Total Residual	LBS/DAY	98.3/-	1/Year	Grab	0.03	*
Detergents (as MBAS)	LBS/DAY	491.4/-	1/Discharge	Composite	1.8	--
Fluoride	LBS/DAY	1,572.3/-	1/Year	Composite	ND	U
Iron	LBS/DAY	295/-	1/Year	Composite	9.8	J+ (Q, Q1)
Manganese	LBS/DAY	49.1/-	1/Year	Composite	0.42	--
Nitrate - N	LBS/DAY	7,862/-	1/Discharge	Composite	17	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862/-	1/Discharge	Composite	17	--
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	153	--
Total Dissolved Solids	LBS/DAY	933,567/-	1/Discharge	Composite	1399	--

**OUTFALL 011 (PERIMETER POND)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2017

					02/17/2017 - 02/18/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	3.90816	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481/-	1/Discharge	Composite	62	J (DNQ)
Oil & Grease	LBS/DAY	14,741/-	1/Discharge	Grab	391	--
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222/-	1/Discharge	Composite	1630 <sup>(6)</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-Dinitrotoluene	LBS/DAY	17.7/-	1/Discharge	Composite	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8/-	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03/-	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9/-	1/Year	Composite	ANR	ANR
Arsenic	LBS/DAY	9.83/-	1/Year	Composite	ANR	ANR
Beryllium	LBS/DAY	3.93/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
Copper	LBS/DAY	13.76/-	1/Discharge	Composite	0.14	--
Cyanide	LBS/DAY	8.35/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11/-	1/Discharge	Composite	0.065	--
Mercury	LBS/DAY	0.1/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	2.8E-08	1/Discharge	Composite	9.1E-10	*
Thallium	LBS/DAY	1.97/-	1/Year	Composite	ANR	ANR
Trichloroethene	LBS/DAY	4.91/-	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117/-	1/Discharge	Composite	0.85	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3/-	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983/-	1/Year	Composite	ANR	ANR
Chloride	LBS/DAY	147,405/-	1/Discharge	Composite	98	--
Chlorine, Total Residual	LBS/DAY	98.3/-	1/Year	Grab	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4/-	1/Discharge	Composite	2.5	J (DNQ)
Fluoride	LBS/DAY	1,572.3/-	1/Year	Composite	ANR	ANR
Iron	LBS/DAY	295/-	1/Year	Composite	ANR	ANR
Manganese	LBS/DAY	49.1/-	1/Year	Composite	ANR	ANR
Nitrate - N	LBS/DAY	7,862/-	1/Discharge	Composite	33	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862/-	1/Discharge	Composite	33	--
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	137	--
Total Dissolved Solids	LBS/DAY	933,567/-	1/Discharge	Composite	3259	--

OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/22/2017 - 01/23/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	2.624035	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-day@20 Deg. C)	mg/L	30/-	1/Discharge	Composite	1.6	J (DNQ)
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.4	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	7.55	*
Total Suspended Solids <sup>#</sup>	mg/L	45/-	1/Discharge	Composite	4.3 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0/-	1/Discharge	Grab	ND < 0.25	U
1,2-Dichloroethane	µg/L	0.5/-	1/Discharge	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	13/-	1/Discharge	Composite	ND < 0.562	U
2,4-Dinitrotoluene	µg/L	18/-	1/Discharge	Composite	ND < 2.25	U
alpha-BHC	µg/L	0.03/-	1/Discharge	Composite	ND < 0.0025	U
Antimony	µg/L	6.0/-	1/Year	Composite	0.51	J (DNQ)
Arsenic	µg/L	10.0/-	1/Year	Composite	ND < 5.0	U
Beryllium	µg/L	4.0/-	1/Year	Composite	ND < 1.0	U
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0/-	1/Discharge	Composite	ND < 2.25	U
Cadmium	µg/L	(4.0) 3.1/-	1/Discharge	Composite	ND < 0.25 <sup>(b)</sup>	U
Chromium VI	µg/L	16/-	1/Year	Composite	0.29	J (DNQ)
Copper	µg/L	14/-	1/Discharge	Composite	1.7	J (DNQ)
Cyanide	µg/L	8.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	ND < 0.50	U
Mercury	µg/L	0.1/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	94/-	1/Year	Composite	ND < 5.0	U
N-Nitrosodimethylamine	µg/L	16/-	1/Discharge	Composite	ND < 1.12	U
Pentachlorophenol	µg/L	16.5/-	1/Discharge	Composite	ND < 1.12	U
Selenium	µg/L	(5) 8.2/-	1/Discharge	Composite	ND < 0.50 <sup>(f)</sup>	U
Silver	µg/L	4.1/-	1/Year	Composite	ND < 0.50	U
Thallium	µg/L	2.0/-	1/Year	Composite	ND < 0.50	U
Trichloroethene	µg/L	5.0/-	1/Discharge	Grab	ND < 0.25	U
Zinc	µg/L	119/-	1/Discharge	Composite	44	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia	mg/L	10.1/-	1/Discharge	Composite	ND < 0.100	U
Barium	mg/L	1.0/-	1/Year	Composite	0.022	--
Chloride	mg/L	150/-	1/Discharge	Composite	6.5	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	Grab	0.02	*
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass	--
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	0.11	--
Fluoride	mg/L	1.6/-	1/Year	Composite	ND < 0.25	U
Iron	mg/L	0.3/-	1/Year	Composite	0.098	J (DNQ)
Manganese	µg/L	50/-	1/Year	Composite	14	J (DNQ)
Nitrate	mg/L	8/-	1/Discharge	Composite	0.98	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	0.98	--
Nitrite	mg/L	1/-	1/Discharge	Composite	ND < 0.070	U
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Settleable Solids <sup>#</sup>	ml/L	0.3/-	1/Discharge	Grab	ND < 0.10 <sup>(c)</sup>	U
Sulfate	mg/L	300/-	1/Discharge	Composite	120	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	46.00	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	250	--
<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
1,1-Dichloroethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.562	U
1,2-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
1,2-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,2-Dichloropropane	µg/L	-/-	1/Year	Grab	ND < 0.25	U

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 THE BOEING COMPANY  
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/22/2017 - 01/23/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	Composite	ND < 0.562	U
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
1,3-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
1,4-Dichlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
2,4-Dichlorophenol	µg/L	-/-	1/Year	Composite	ND < 1.12	U
2,4-Dimethylphenol	µg/L	-/-	1/Year	Composite	ND < 1.12	U
2,4-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.25	U
2,6-Dinitrotoluene	µg/L	-/-	1/Year	Composite	ND < 2.25	U
2-Chloroethylvinylether	µg/L	-/-	1/Year	Grab	ND < 1.0	U
2-Chloronaphthalene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
2-Chlorophenol	µg/L	-/-	1/Year	Composite	ND < 0.562	U
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.25	U
2-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 1.12	U
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	Composite	ND < 2.25	R (Q)
4,4'-DDD	µg/L	-/-	1/Year	Composite	ND < 0.0040	U
4,4'-DDE	µg/L	-/-	1/Year	Composite	ND < 0.0030	UJ (*III)
4,4'-DDT	µg/L	-/-	1/Year	Composite	ND < 0.0040	U
4-Bromophenylphenylether	µg/L	-/-	1/Year	Composite	ND < 0.562	U
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	Composite	ND < 0.225	U
4-Chlorophenylphenylether	µg/L	-/-	1/Year	Composite	ND < 0.225	U
4-Nitrophenol	µg/L	-/-	1/Year	Composite	ND < 2.25	U
Acenaphthene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
Acenaphthylene	µg/L	-/-	1/Year	Composite	ND < 0.225	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 < 0.0015	U
Anthracene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
Aroclor 1016	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Aroclor 1221	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Aroclor 1232	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Aroclor 1242	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Aroclor 1248	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Aroclor 1254	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Aroclor 1260	µg/L	-/-	1/Year	Composite	ND < 0.25	U
Benzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Benizidine	µg/L	-/-	1/Year	Composite	ND < 5.62	R (Q)
Benzo(a)anthracene	µg/L	-/-	1/Year	Composite	ND < 2.25	U
Benzo(a)pyrene	µg/L	-/-	1/Year	Composite	ND < 0.562	U
Benzo(b)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 1.12	UJ (C)
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	Composite	ND < 2.25	U
Benzo(k)fluoranthene	µg/L	-/-	1/Year	Composite	ND < 0.281	UJ (C)
beta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0040	U
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	Composite	ND < 0.225	U
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	Composite	ND < 0.225	U
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	Composite	ND < 0.225	U
Bromodichloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Bromoform	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Bromomethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Butylbenzylphthalate	µg/L	-/-	1/Year	Composite	ND < 2.25	U
Carbon Tetrachloride	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chlordane	µg/L	-/-	1/Year	Composite	ND < 0.081	U
Chlorobenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloroethane	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Chloroform	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Chromium	µg/L	-/-	1/Year	Composite	ND < 2.5	U
Chrysene	µg/L	-/-	1/Year	Composite	ND < 0.225	U



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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/22/2017 - 01/23/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
delta-BHC	µg/L	-/-	1/Year	Composite	ND < 0.0035	U
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	Composite	ND < 0.281	U
Dibromochloromethane	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Dieldrin	µg/L	-/-	1/Year	Composite	ND < 0.0020	U
Diethylphthalate	µg/L	-/-	1/Year	Composite	ND < 0.562	U
Dimethylphthalate	µg/L	-/-	1/Year	Composite	ND < 0.281	U
Di-n-butylphthalate	µg/L	-/-	1/Year	Composite	ND < 1.12	U
Di-n-octylphthalate	µg/L	-/-	1/Year	Composite	ND < 2.25	U
Endosulfan I	µg/L	-/-	1/Year	Composite	ND < 0.0030	UJ (*III)
Endosulfan II	µg/L	-/-	1/Year	Composite	ND < 0.0020	U
Endosulfan Sulfate	µg/L	-/-	1/Year	Composite	ND < 0.0030	U
Endrin	µg/L	-/-	1/Year	Composite	ND < 0.0020	U
Endrin Aldehyde	µg/L	-/-	1/Year	Composite	ND < 0.0020	U
Ethylbenzene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Fluoranthene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
Fluorene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
Heptachlor	µg/L	-/-	1/Year	Composite	ND < 0.0030	U
Heptachlor Epoxide	µg/L	-/-	1/Year	Composite	ND < 0.0025	U
Hexachlorobenzene	µg/L	-/-	1/Year	Composite	ND < 0.562	U
Hexachlorobutadiene	µg/L	-/-	1/Year	Composite	ND < 0.562	U
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	Composite	ND < 2.25	U
Hexachloroethane	µg/L	-/-	1/Year	Composite	ND < 0.562	U
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	Composite	ND < 1.12	U
Isophorone	µg/L	-/-	1/Year	Composite	ND < 0.562	U
Lindane (gamma-BHC)	µg/L	-/-	1/Year	Composite	ND < 0.0030	U
m,p-Xylenes	µg/L	-/-	1/Year	Grab	ND < 0.50	*
Methylene chloride	µg/L	-/-	1/Year	Grab	ND < 0.88	U
Naphthalene	µg/L	-/-	1/Year	Composite	ND < 0.562	U
Naphthalene	µg/L	-/-	1/Year	Grab	ND < 0.40	U
Nitrobenzene	µg/L	-/-	1/Year	Composite	ND < 0.562	U
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	Composite	ND < 1.12	U
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	Composite	ND < 0.562	U
o-Xylene	µg/L	-/-	1/Year	Grab	ND < 0.25	*
Phenanthrene	µg/L	-/-	1/Year	Composite	ND < 0.225	U
Phenol	µg/L	-/-	1/Year	Composite	ND < 0.562	U
Pyrene	µg/L	-/-	1/Year	Composite	ND < 0.225	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 < 0.25	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
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>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/Quarter	Grab	ND < 0.50	U
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-/-	1/Year	Grab	ND < 1.0	*
1,4-Dioxane	µg/L	-/-	1/Year	Composite	ND < 0.50	U
Boron	mg/L	-/-	1/Year	Composite	0.056	--
cis-1,2-Dichloroethene	µg/L	-/-	1/Year	Grab	ND < 0.25	U
Cobalt	µg/L	-/-	1/Year	Composite	ND < 2.5	U
Conductivity	µmhos/cm	-/-	1/Discharge	Grab	380	--
Cyclohexane	µg/L	-/-	1/Year	Grab	ND < 1.0	*
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	Grab	0.10	J (DNQ)
Dissolved Oxygen	mg/L	-/-	1/Discharge	Grab	6.78	*
E. Coli	mpn/100mL	-/-	1/Year	Grab	600	--
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	Grab	ND < 0.025	U

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				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Hardness	mg/L	-/-	1/Year	Composite	120	--
Monomethyl hydrazine	µg/L	-/-	1/Year	Composite	ND < 0.25	UJ (H)
Total Organic Carbon	mg/L	-/-	1/Year	Composite	5.6	--
Turbidity	NTU	-/-	1/Discharge	Composite	2.4	--
Vanadium	µg/L	-/-	1/Year	Composite	ND < 5.0	U
<b>ADDITIONAL POLLUTANTS</b>						
Antimony, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 0.50	UJ (H)
Arsenic, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Barium, dissolved	mg/L	-/-	Additional/Year	Composite	0.023	J (H)
Beryllium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 1.0	UJ (H)
Boron, dissolved	mg/L	-/-	Additional/Year	Composite	0.057	J (H)
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 2.5	UJ (H)
Cobalt, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 2.5	UJ (H)
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	1.8	J (DNQ, H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	Composite	130	J (H)
Human Bacteroides	CEs/100mL	-/-	Additional/Year	Grab	Absent	UJ (H)
Iron, dissolved	mg/L	-/-	Additional/Year	Composite	ND < 0.050	UJ (H)
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Manganese, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 10	UJ (H)
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 0.50	UJ (H)
Thallium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 0.50	UJ (H)
Vanadium, dissolved	µg/L	-/-	Additional/Year	Composite	ND < 5.0	UJ (H)
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	63	J (H)

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/07/2017 - 02/08/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	0.293805	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-day@20 Deg. C)	mg/L	30/-	1/Discharge	Composite	1.8	J (DNQ)
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	6.90	*
Total Suspended Solids <sup>#</sup>	mg/L	45/-	1/Discharge	Composite	5.1 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0/-	1/Discharge	Grab	ND < 0.25	U
1,2-Dichloroethane	µg/L	0.5/-	1/Discharge	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	13/-	1/Discharge	Composite	ND < 0.490	U
2,4-Dinitrotoluene	µg/L	18/-	1/Discharge	Composite	ND < 1.96	U
alpha-BHC	µg/L	0.03/-	1/Discharge	Composite	ND < 0.0025	U
Antimony	µg/L	6.0/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0/-	1/Discharge	Composite	ND < 1.96	U
Cadmium	µg/L	(4.0) 3.1/-	1/Discharge	Composite	ND < 0.25 <sup>(b)</sup>	U
Chromium VI	µg/L	16/-	1/Year	ANR	ANR	ANR
Copper	µg/L	14/-	1/Discharge	Composite	2.9	--
Cyanide	µg/L	8.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	ND < 0.50	U
Mercury	µg/L	0.1/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	94/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16/-	1/Discharge	Composite	ND < 0.980	U
Pentachlorophenol	µg/L	16.5/-	1/Discharge	Composite	ND < 0.980	U
Selenium	µg/L	(5) 8.2/-	1/Discharge	Composite	ND < 0.50 <sup>(f)</sup>	U
Silver	µg/L	4.1/-	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0/-	1/Discharge	Grab	ND < 0.25	U
Zinc	µg/L	119/-	1/Discharge	Composite	7.6	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia	mg/L	10.1/-	1/Discharge	Composite	ND < 0.100	U
Barium	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	5.3	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass	J (H)
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	0.23	--
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3/-	1/Year	ANR	ANR	ANR
Manganese	µg/L	50/-	1/Year	ANR	ANR	ANR
Nitrate	mg/L	8/-	1/Discharge	Composite	0.93	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	0.93	--
Nitrite	mg/L	1/-	1/Discharge	Composite	ND < 0.070	U
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Settleable Solids <sup>#</sup>	ml/L	0.3/-	1/Discharge	Grab	ND < 0.10 <sup>(c)</sup>	U
Sulfate	mg/L	300/-	1/Discharge	Composite	24	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	55.58	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	120	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR

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				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzenidine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/07/2017 - 02/08/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-/-	1/Year	ANR	ANR	ANR
Boron	mg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-/-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-/-	1/Discharge	Grab	130	--
Cyclohexane	µg/L	-/-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	1/Discharge	Grab	8.72	*
E. Coli	mpn/100mL	-/-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/07/2017 - 02/08/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-/-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-/-	1/Discharge	Composite	8.5	--
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Antimony, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	2.8	J (H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Manganese, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	4.6	J (DNQ, H)

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/10/2017 - 02/12/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	1.506805	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-day@20 Deg. C)	mg/L	30/-	1/Discharge	Composite	1.4	J (DNQ)
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	8.12	*
Total Suspended Solids <sup>#</sup>	mg/L	45/-	1/Discharge	Composite	ND < 0.50 <sup>(c)</sup>	U
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0/-	1/Discharge	Grab	ND < 0.25	U
1,2-Dichloroethane	µg/L	0.5/-	1/Discharge	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	13/-	1/Discharge	Composite	ND < 0.526	U
2,4-Dinitrotoluene	µg/L	18/-	1/Discharge	Composite	ND < 2.11	U
alpha-BHC	µg/L	0.03/-	1/Discharge	Composite	ND < 0.0024	U
Antimony	µg/L	6.0/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0/-	1/Discharge	Composite	ND < 2.11	U
Cadmium	µg/L	(4.0) 3.1/-	1/Discharge	Composite	ND < 0.25 <sup>(b)</sup>	U
Chromium VI	µg/L	16/-	1/Year	ANR	ANR	ANR
Copper	µg/L	14/-	1/Discharge	Composite	1.7	J (DNQ)
Cyanide	µg/L	8.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	ND < 0.50	U
Mercury	µg/L	0.1/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	94/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16/-	1/Discharge	Composite	ND < 1.05	U
Pentachlorophenol	µg/L	16.5/-	1/Discharge	Composite	ND < 1.05	U
Selenium	µg/L	(5) 8.2/-	1/Discharge	Composite	ND < 0.50 <sup>(f)</sup>	U
Silver	µg/L	4.1/-	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0/-	1/Discharge	Grab	ND < 0.25	U
Zinc	µg/L	119/-	1/Discharge	Composite	ND < 10	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia	mg/L	10.1/-	1/Discharge	Composite	ND < 0.100	U
Barium	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	8.1	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	0.098	J (DNQ)
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3/-	1/Year	ANR	ANR	ANR
Manganese	µg/L	50/-	1/Year	ANR	ANR	ANR
Nitrate	mg/L	8/-	1/Discharge	Composite	0.85	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	0.85	--
Nitrite	mg/L	1/-	1/Discharge	Composite	ND < 0.070	U
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Settleable Solids <sup>#</sup>	ml/L	0.3/-	1/Discharge	Grab	ND < 0.10 <sup>(c)</sup>	U
Sulfate	mg/L	300/-	1/Discharge	Composite	100	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	54.43	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	250	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR

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 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/10/2017 - 02/12/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzenidine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR



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THE BOEING COMPANY  
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NPDES PERMIT CA0001309

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/10/2017 - 02/12/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-/-	1/Year	ANR	ANR	ANR
Boron	mg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-/-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-/-	1/Discharge	Grab	350	--
Cyclohexane	µg/L	-/-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	1/Discharge	Grab	4.12	*
E. Coli	mpn/100mL	-/-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/10/2017 - 02/12/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-/-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-/-	1/Discharge	Composite	0.19	--
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Antimony, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	U
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	1.7	J (DNQ)
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	U
Manganese, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	U
Nickel, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	U
Silver, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	U

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FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	6.805425	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-day@20 Deg. C)	mg/L	30/-	1/Discharge	Composite	1.4	J (DNQ)
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	7.95	*
Total Suspended Solids <sup>#</sup>	mg/L	45/-	1/Discharge	Composite	35 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0/-	1/Discharge	Grab	ND < 0.25	U
1,2-Dichloroethane	µg/L	0.5/-	1/Discharge	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	13/-	1/Discharge	Composite	ND < 0.493	U
2,4-Dinitrotoluene	µg/L	18/-	1/Discharge	Composite	ND < 1.97	U
alpha-BHC	µg/L	0.03/-	1/Discharge	Composite	ND < 0.0024	U
Antimony	µg/L	6.0/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0/-	1/Discharge	Composite	ND < 1.97	U
Cadmium	µg/L	(4.0) 3.1/-	1/Discharge	Composite	ND < 0.25 <sup>(b)</sup>	U
Chromium VI	µg/L	16/-	1/Year	ANR	ANR	ANR
Copper	µg/L	14/-	1/Discharge	Composite	4.9	--
Cyanide	µg/L	8.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	2.1	--
Mercury	µg/L	0.1/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	94/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16/-	1/Discharge	Composite	ND < 0.985	U
Pentachlorophenol	µg/L	16.5/-	1/Discharge	Composite	ND < 0.985	U
Selenium	µg/L	(5) 8.2/-	1/Discharge	Composite	ND < 0.50 <sup>(f)</sup>	U
Silver	µg/L	4.1/-	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0/-	1/Discharge	Grab	ND < 0.25	U
Zinc	µg/L	119/-	1/Discharge	Composite	20	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia	mg/L	10.1/-	1/Discharge	Composite	ND < 0.100	U
Barium	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	4.8	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	0.082	J (DNQ)
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3/-	1/Year	ANR	ANR	ANR
Manganese	µg/L	50/-	1/Year	ANR	ANR	ANR
Nitrate	mg/L	8/-	1/Discharge	Composite	0.66	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	0.66	--
Nitrite	mg/L	1/-	1/Discharge	Composite	ND < 0.070	U
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Settleable Solids <sup>#</sup>	ml/L	0.3/-	1/Discharge	Grab	ND < 0.10 <sup>(c)</sup>	U
Sulfate	mg/L	300/-	1/Discharge	Composite	38	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	54.07	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	170	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR

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 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzenidine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR

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 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-/-	1/Year	ANR	ANR	ANR
Boron	mg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-/-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-/-	1/Discharge	Grab	510	--
Cyclohexane	µg/L	-/-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	1/Discharge	Grab	10.54	*
E. Coli	mpn/100mL	-/-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	ANR	ANR	ANR

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FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/17/2017 - 02/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-/-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-/-	1/Discharge	Composite	50	--
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Antimony, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	UJ (H)
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	2.9	J (H)
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Manganese, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	UJ (H)
Nickel, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	UJ (H)
Silver, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	UJ (H)

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SANTA SUSANA FIELD LABORATORY  
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January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/26/2017 - 02/27/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	1.423742	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-day@20 Deg. C)	mg/L	30/-	1/Discharge	Composite	1.2	J (DNQ)
Oil & Grease	mg/L	15/-	1/Discharge	Grab	ND < 1.5	U
pH (Field)	s.u.	6.5-8.5/-	1/Discharge	Grab	7.78	*
Total Suspended Solids <sup>#</sup>	mg/L	45/-	1/Discharge	Composite	ND < 0.50 <sup>(c)</sup>	U
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0/-	1/Discharge	Grab	ND < 0.25	U
1,2-Dichloroethane	µg/L	0.5/-	1/Discharge	Grab	ND < 0.25	U
2,4,6-Trichlorophenol	µg/L	13/-	1/Discharge	Composite	ND < 0.498	U
2,4-Dinitrotoluene	µg/L	18/-	1/Discharge	Composite	ND < 1.99	U
alpha-BHC	µg/L	0.03/-	1/Discharge	Composite	ND < 0.0025	U
Antimony	µg/L	6.0/-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0/-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0/-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0/-	1/Discharge	Composite	ND < 1.99	U
Cadmium	µg/L	(4.0) 3.1/-	1/Discharge	Composite	ND < 0.25 <sup>(a)</sup>	U
Chromium VI	µg/L	16/-	1/Year	ANR	ANR	ANR
Copper	µg/L	14/-	1/Discharge	Composite	2.4	--
Cyanide	µg/L	8.5/-	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2/-	1/Discharge	Composite	ND < 0.50	U
Mercury	µg/L	0.1/-	1/Discharge	Composite	ND < 0.10	U
Nickel	µg/L	94/-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16/-	1/Discharge	Composite	ND < 0.995	U
Pentachlorophenol	µg/L	16.5/-	1/Discharge	Composite	ND < 0.995	U
Selenium	µg/L	(5) 8.2/-	1/Discharge	Composite	ND < 0.50 <sup>(e)</sup>	U
Silver	µg/L	4.1/-	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0/-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0/-	1/Discharge	Grab	ND < 0.25	U
Zinc	µg/L	119/-	1/Discharge	Composite	ND < 10	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia	mg/L	10.1/-	1/Discharge	Composite	0.108	J (DNQ)
Barium	mg/L	1.0/-	1/Year	ANR	ANR	ANR
Chloride	mg/L	150/-	1/Discharge	Composite	8.7	--
Chlorine, Total Residual	mg/L	0.1/-	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5/-	1/Discharge	Composite	0.056	J (DNQ)
Fluoride	mg/L	1.6/-	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3/-	1/Year	ANR	ANR	ANR
Manganese	µg/L	50/-	1/Year	ANR	ANR	ANR
Nitrate	mg/L	8/-	1/Discharge	Composite	1.0	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	1/Discharge	Composite	1.0	--
Nitrite	mg/L	1/-	1/Discharge	Composite	ND < 0.070	U
Perchlorate	µg/L	6.0/-	1/Discharge	Composite	ND < 0.95	U
Settleable Solids <sup>#</sup>	ml/L	0.3/-	1/Discharge	Grab	ND < 0.10 <sup>(c)</sup>	U
Sulfate	mg/L	300/-	1/Discharge	Composite	72	--
Temperature (Field)	Deg F	86/-	1/Discharge	Grab	46.6	*
Total Dissolved Solids	mg/L	950/-	1/Discharge	Composite	230	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/26/2017 - 02/27/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,2-Diphenylhydrazine/Azobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloroethylvinylether	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-Dinitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-/-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Bromophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Chlorophenylphenylether	µg/L	-/-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-/-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-/-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-/-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzenidine	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)Perylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromodichloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-/-	1/Year	ANR	ANR	ANR
Bromomethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Butylbenzylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Carbon Tetrachloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-/-	1/Year	ANR	ANR	ANR
Chloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-/-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-/-	1/Year	ANR	ANR	ANR



OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/26/2017 - 02/27/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
cis-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-/-	1/Year	ANR	ANR	ANR
Dibromochloromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Diethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Dimethylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-butylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Di-n-octylphthalate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan I	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan II	µg/L	-/-	1/Year	ANR	ANR	ANR
Endosulfan Sulfate	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-/-	1/Year	ANR	ANR	ANR
Endrin Aldehyde	µg/L	-/-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-/-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-/-	1/Year	ANR	ANR	ANR
Heptachlor Epoxide	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-/-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-/-	1/Year	ANR	ANR	ANR
Lindane (gamma-BHC)	µg/L	-/-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-/-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Naphthalene	µg/L	-/-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-/-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-/-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-/-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-/-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-/-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-/-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-/-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-/-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-/-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-/-	1/Year	ANR	ANR	ANR
Boron	mg/L	-/-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-/-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-/-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-/-	1/Discharge	Grab	340	--
Cyclohexane	µg/L	-/-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-/-	1/Year	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	1/Discharge	Grab	15.11	*
E. Coli	mpn/100mL	-/-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-/-	1/Year	ANR	ANR	ANR

OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/26/2017 - 02/27/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Hardness	mg/L	-/-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-/-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-/-	1/Discharge	Composite	0.47	--
Vanadium	µg/L	-/-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS</b>						
Antimony, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.25	U
Chromium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-/-	Additional/Discharge	Composite	2.0	--
Hardness, Dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-/-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	U
Manganese, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.10	U
Nickel, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 0.50	U
Silver, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-/-	Additional/Year	ANR	ANR	ANR
Zinc, Dissolved	µg/L	-/-	Additional/Discharge	Composite	ND < 10	U

**OUTFALL 018 (R-2 POND SPILLWAY)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Type: Composite  
Sample Date: January 23, 2017**

<b>ANALYTE</b>	<b>SAMPLE FREQUENCY</b>	<b>LAB MDL (µg/L)</b>	<b>LAB RL (µg/L)</b>	<b>LAB RESULT (µg/L)</b>	<b>VALIDATION QUALIFIER</b>	<b>1998 WHO TEF</b>	<b>BEF Great Lakes Water Quality Initiative</b>	<b>TCDD Equivalent (w/out DNQ Values) (µg/L)</b>
1,2,3,4,6,7,8-HpCDD	1/Discharge	3.70E-07	5.20E-05	6.70E-06	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	2.30E-07	5.20E-05	2.30E-06	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	2.60E-07	5.20E-05	1.40E-06	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	3.50E-07	5.20E-05	8.50E-07	UJ (*III)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	3.50E-07	5.20E-05	1.20E-06	J (DNQ)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	3.70E-07	5.20E-05	9.00E-07	UJ (*III)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	3.40E-07	5.20E-05	9.30E-07	J (DNQ)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	3.00E-07	5.20E-05	1.30E-06	J (DNQ)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	2.30E-07	5.20E-05	9.50E-07	J (DNQ)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	5.50E-07	5.20E-05	ND	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	4.40E-07	5.20E-05	9.00E-07	UJ (*III)	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	2.60E-07	5.20E-05	1.10E-06	J (DNQ)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	4.80E-07	5.20E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	3.60E-07	1.00E-05	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	1.10E-06	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1/Discharge	5.10E-07	1.00E-04	5.00E-05	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	3.50E-07	1.00E-04	4.00E-06	U (B)	0.0001	0.02	ND

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

**OUTFALL 018 (R-2 POND SPILLWAY)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Sample Type: Composite  
Sample Date: February 8, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	3.60E-07	5.00E-05	8.80E-06	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1.60E-07	5.00E-05	2.50E-06	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1.80E-07	5.00E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1.60E-07	5.00E-05	5.60E-07	J (DNQ)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1.40E-07	5.00E-05	6.50E-07	J (DNQ)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1.70E-07	5.00E-05	6.80E-07	U (B)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1.30E-07	5.00E-05	5.80E-07	J (DNQ)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1.30E-07	5.00E-05	6.50E-07	U (B)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1.10E-07	5.00E-05	3.60E-07	U (B)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	1.60E-07	5.00E-05	4.10E-07	J (DNQ)	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	1.60E-07	5.00E-05	2.70E-07	J (DNQ)	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1.10E-07	5.00E-05	3.10E-07	J (DNQ)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	1.60E-07	5.00E-05	3.70E-07	J (DNQ)	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	1.60E-07	1.00E-05	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	2.00E-06	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1/Discharge	3.70E-07	1.00E-04	8.90E-05	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	1.70E-07	1.00E-04	4.20E-06	U (B)	0.0001	0.02	ND

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

**OUTFALL 018 (R-2 POND SPILLWAY)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Type: Composite  
Sample Date: February 12, 2017**

<b>ANALYTE</b>	<b>SAMPLE FREQUENCY</b>	<b>LAB MDL (µg/L)</b>	<b>LAB RL (µg/L)</b>	<b>LAB RESULT (µg/L)</b>	<b>VALIDATION QUALIFIER</b>	<b>1998 WHO TEF</b>	<b>BEF Great Lakes Water Quality Initiative</b>	<b>TCDD Equivalent (w/out DNQ Values) (µg/L)</b>
1,2,3,4,6,7,8-HpCDD	1/Discharge	1.60E-07	4.80E-05	1.10E-06	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1.00E-07	4.80E-05	4.70E-07	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1.30E-07	4.80E-05	2.90E-07	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1.30E-07	4.80E-05	2.70E-07	U (B)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1.20E-07	4.80E-05	2.40E-07	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1.40E-07	4.80E-05	3.50E-07	U (B)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1.20E-07	4.80E-05	3.60E-07	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1.10E-07	4.80E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1.10E-07	4.80E-05	3.30E-07	U (B)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	1.90E-07	4.80E-05	ND	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	1.50E-07	4.80E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1.00E-07	4.80E-05	2.10E-07	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	1.40E-07	4.80E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	1.60E-07	9.60E-06	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	1.30E-06	9.60E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	2.00E-07	9.60E-05	3.60E-06	U(B)	0.0001	0.01	ND
OCDF	1/Discharge	1.50E-07	9.60E-05	1.00E-06	U(B)	0.0001	0.02	ND

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

OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Sample Type: Composite  
 Sample Date: February 18, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	9.30E-07	4.90E-05	5.00E-05	--	0.01	0.05	2.5E-08
1,2,3,4,6,7,8-HpCDF	1/Discharge	2.80E-07	4.90E-05	7.90E-06	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	3.90E-07	4.90E-05	6.40E-07	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1.40E-07	4.90E-05	8.30E-07	U (B)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	2.30E-07	4.90E-05	6.70E-07	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1.50E-07	4.90E-05	1.90E-06	U (B)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	2.20E-07	4.90E-05	4.10E-07	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1.20E-07	4.90E-05	1.60E-06	U (B)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1.90E-07	4.90E-05	1.90E-07	UJ (*III)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	2.50E-07	4.90E-05	ND	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	1.10E-07	4.90E-05	3.00E-07	U (B)	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1.90E-07	4.90E-05	3.90E-07	UJ (*III)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	1.10E-07	4.90E-05	3.40E-07	UJ (*III)	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	1.50E-07	9.80E-06	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	5.70E-07	9.80E-06	ND	U	0.1	0.8	ND
OCDD	1/Discharge	1.50E-06	9.80E-05	6.10E-04	--	0.0001	0.01	6.1E-10
OCDF	1/Discharge	2.60E-07	9.80E-05	2.20E-05	U (B)	0.0001	0.02	ND

<b>TCDD TEQ w/out DNQ Values</b>	<b>2.6E-08</b>
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

**OUTFALL 018 (R-2 POND SPILLWAY)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Sample Type: Composite  
Sample Date: February 27, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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	7.40E-07	5.10E-05	1.40E-06	J (DNQ)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	2.30E-07	5.10E-05	5.60E-07	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	3.50E-07	5.10E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Discharge	3.00E-07	5.10E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Discharge	2.10E-07	5.10E-05	5.80E-07	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Discharge	2.60E-07	5.10E-05	5.70E-07	U (B)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1.80E-07	5.10E-05	3.30E-07	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Discharge	2.30E-07	5.10E-05	3.50E-07	U (B)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1.70E-07	5.10E-05	6.30E-07	J (DNQ)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Discharge	3.60E-07	5.10E-05	3.60E-07	U	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Discharge	1.80E-07	5.10E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1.50E-07	5.10E-05	4.00E-07	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Discharge	2.00E-07	5.10E-05	3.90E-07	U (B)	0.5	1.6	ND
2,3,7,8-TCDD	1/Discharge	2.70E-07	1.00E-05	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Discharge	1.20E-06	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1/Discharge	2.80E-07	1.00E-04	1.00E-05	U (B)	0.0001	0.01	ND
OCDF	1/Discharge	2.50E-07	1.00E-04	1.90E-06	U (B)	0.0001	0.02	ND

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

OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/23/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	1.10 +/-1.12	1.79	UJ (*III, Q)
Gross Beta	pCi/L	50/-	1/Discharge	3.67 +/-0.915	0.986	J (DNQ)
Radium-226 & 228	pCi/L	5.0/-	1/Discharge	0.486 +/-0.368	NM	UJ (*III)
Strontium-90	pCi/L	8.0/-	1/Discharge	-0.00912 +/-0.144	0.262	U
Tritium	pCi/L	20,000/-	1/Discharge	5.86 +/-162	291	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	-1.13 +/-7.43	13.3	U
Total Uranium	pCi/L	20/-	1/Discharge	0.157 +/-0.137	0.145	U (B)
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	-94.0 +/-157	215	U



OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/08/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	1.62 +/-1.12	1.65	UJ (*III)
Gross Beta	pCi/L	50/-	1/Discharge	2.32 +/-0.835	1.12	J (DNQ)
Radium-226 & 228	pCi/L	5.0/-	1/Discharge	0.403 +/-0.286	NM	UJ (*III)
Strontium-90	pCi/L	8.0/-	1/Discharge	-0.372 +/-0.235	0.472	U
Tritium	pCi/L	20,000/-	1/Discharge	-137 +/-179	339	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	0.465 +/-7.17	13.0	U
Total Uranium	pCi/L	20/-	1/Discharge	0.0653 +/-0.09403	0.147	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	4.70 +/-118	176	U

OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/12/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	-0.588 +/-0.777	1.79	UJ (*III)
Gross Beta	pCi/L	50/-	1/Discharge	1.64 +/-0.650	0.865	J (DNQ)
Radium-226 & 228	pCi/L	5.0/-	1/Discharge	0.485 +/-0.296	NM	UJ (*III)
Strontium-90	pCi/L	8.0/-	1/Discharge	-0.0240 +/-0.144	0.263	U
Tritium	pCi/L	20,000/-	1/Discharge	-41.9 +/-161	298	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	2.41 +/-7.20	12.8	U
Total Uranium	pCi/L	20/-	1/Discharge	0.0338 +/-0.07454	0.125	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	8.39 +/-103	191	U

OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/18/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	2.67 +/-1.34	1.74	UJ (B, *III)
Gross Beta	pCi/L	50/-	1/Discharge	2.85 +/-0.851	0.999	U (B)
Radium-226 & 228	pCi/L	5.0/-	1/Discharge	1.011 +/-0.470	NM	U (B)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.0409 +/-0.374	0.660	U
Tritium	pCi/L	20,000/-	1/Discharge	-25.2 +/-157	287	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	-1.47 +/-10.9	19.1	U
Total Uranium	pCi/L	20/-	1/Discharge	0.257 +/-0.170	0.148	U (B)
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	0.642 +/-124	185	U

OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	02/27/2017 (Composite)		
				RESULT	MDA	VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15/-	1/Discharge	-1.54 +/-0.826	2.12	UJ (*III)
Gross Beta	pCi/L	50/-	1/Discharge	2.17 +/-0.730	0.937	J (DNQ)
Radium-226 & 228	pCi/L	5.0/-	1/Discharge	0.406 +/-0.260	NM	UJ (*III)
Strontium-90	pCi/L	8.0/-	1/Discharge	0.189 +/-0.192	0.311	U
Tritium	pCi/L	20,000/-	1/Discharge	-45.0 +/-184	337	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200/-	1/Discharge	-9.65 +/-13.7	16.8	U
Total Uranium	pCi/L	20/-	1/Discharge	0.0595 +/-0.1136	0.165	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-/-	1/Discharge	60.9 +/-120	165	U

OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

					01/22/2017 - 01/23/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	2.624035	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481/-	1/Discharge	Composite	35	J (DNQ)
Oil & Grease	LBS/DAY	14,741/-	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222/-	1/Discharge	Composite	94 <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-Dinitrotoluene	LBS/DAY	17.7/-	1/Discharge	Composite	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8/-	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03/-	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9/-	1/Year	Composite	0.011	J (DNQ)
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	0.0063	J (DNQ)
Copper	LBS/DAY	13.76/-	1/Discharge	Composite	0.037	J (DNQ)
Cyanide	LBS/DAY	8.35/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11/-	1/Discharge	Composite	ND	U
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	LBS/DAY	2.8E-08	1/Discharge	Composite	ND	*
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	0.96	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia – N	LBS/DAY	9,925.3/-	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983/-	1/Year	Composite	0.48	--
Chloride	LBS/DAY	147,405/-	1/Discharge	Composite	142	--
Chlorine, Total Residual	LBS/DAY	98.3/-	1/Year	Grab	0.4	*
Detergents (as MBAS)	LBS/DAY	491.4/-	1/Discharge	Composite	2.4	--
Fluoride	LBS/DAY	1,572.3/-	1/Year	Composite	ND	U
Iron	LBS/DAY	295/-	1/Year	Composite	2.1	J (DNQ)
Manganese	LBS/DAY	49.1/-	1/Year	Composite	0.31	J (DNQ)
Nitrate - N	LBS/DAY	7,862/-	1/Discharge	Composite	21	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862/-	1/Discharge	Composite	21	--
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	2626	--
Total Dissolved Solids	LBS/DAY	933,567/-	1/Discharge	Composite	5471	--

OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

					02/07/2017 - 02/08/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	0.293805	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481/-	1/Discharge	Composite	4.4	J (DNQ)
Oil & Grease	LBS/DAY	14,741/-	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222/-	1/Discharge	Composite	12 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9/-	1/Discharge	f	ND	U
1,2-Dichloroethane	LBS/DAY	0.49/-	1/Discharge	Grab	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7/-	1/Discharge	Composite	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8/-	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03/-	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9/-	1/Year	Composite	ANR	ANR
Arsenic	LBS/DAY	9.83/-	1/Year	Composite	ANR	ANR
Beryllium	LBS/DAY	3.93/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
Copper	LBS/DAY	13.76/-	1/Discharge	Composite	0.0071	--
Cyanide	LBS/DAY	8.35/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11/-	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.1/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	2.8E-08	1/Discharge	Composite	ND	*
Thallium	LBS/DAY	1.97/-	1/Year	Composite	ANR	ANR
Trichloroethene	LBS/DAY	4.91/-	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117/-	1/Discharge	Composite	0.019	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia – N	LBS/DAY	9,925.3/-	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983/-	1/Year	Composite	ANR	ANR
Chloride	LBS/DAY	147,405/-	1/Discharge	Composite	13	--
Chlorine, Total Residual	LBS/DAY	98.3/-	1/Year	Grab	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4/-	1/Discharge	Composite	0.56	--
Fluoride	LBS/DAY	1,572.3/-	1/Year	Composite	ANR	ANR
Iron	LBS/DAY	295/-	1/Year	Composite	ANR	ANR
Manganese	LBS/DAY	49.1/-	1/Year	Composite	ANR	ANR
Nitrate - N	LBS/DAY	7,862/-	1/Discharge	Composite	2.3	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862/-	1/Discharge	Composite	2.3	--
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	59	--
Total Dissolved Solids	LBS/DAY	933,567/-	1/Discharge	Composite	294	--

OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

					02/10/2017 - 02/12/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	1.506805	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481/-	1/Discharge	Composite	18	J (DNQ)
Oil & Grease	LBS/DAY	14,741/-	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222/-	1/Discharge	Composite	ND <sup>(c)</sup>	U
<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-Dinitrotoluene	LBS/DAY	17.7/-	1/Discharge	Composite	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8/-	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03/-	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9/-	1/Year	Composite	ANR	ANR
Arsenic	LBS/DAY	9.83/-	1/Year	Composite	ANR	ANR
Beryllium	LBS/DAY	3.93/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
Copper	LBS/DAY	13.76/-	1/Discharge	Composite	0.021	J (DNQ)
Cyanide	LBS/DAY	8.35/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11/-	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.1/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	2.8E-08	1/Discharge	Composite	ND	*
Thallium	LBS/DAY	1.97/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
Chloride	LBS/DAY	147,405/-	1/Discharge	Composite	102	--
Chlorine, Total Residual	LBS/DAY	98.3/-	1/Year	Grab	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4/-	1/Discharge	Composite	1.2	J (DNQ)
Fluoride	LBS/DAY	1,572.3/-	1/Year	Composite	ANR	ANR
Iron	LBS/DAY	295/-	1/Year	Composite	ANR	ANR
Manganese	LBS/DAY	49.1/-	1/Year	Composite	ANR	ANR
Nitrate - N	LBS/DAY	7,862/-	1/Discharge	Composite	11	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862/-	1/Discharge	Composite	11	--
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	1257	--
Total Dissolved Solids	LBS/DAY	933,567/-	1/Discharge	Composite	3142	--

OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

					02/17/2017 - 02/18/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	6.805425	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481/-	1/Discharge	Composite	79	J (DNQ)
Oil & Grease	LBS/DAY	14,741/-	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222/-	1/Discharge	Composite	1987 <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-Dinitrotoluene	LBS/DAY	17.7/-	1/Discharge	Composite	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8/-	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03/-	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9/-	1/Year	Composite	ANR	ANR
Arsenic	LBS/DAY	9.83/-	1/Year	Composite	ANR	ANR
Beryllium	LBS/DAY	3.93/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
Copper	LBS/DAY	13.76/-	1/Discharge	Composite	0.28	--
Cyanide	LBS/DAY	8.35/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11/-	1/Discharge	Composite	0.12	--
Mercury	LBS/DAY	0.1/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4/-	1/Year	Composite	ANR	ANR
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	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	2.8E-08	1/Discharge	Composite	1.5E-09	*
Thallium	LBS/DAY	1.97/-	1/Year	Composite	ANR	ANR
Trichloroethene	LBS/DAY	4.91/-	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117/-	1/Discharge	Composite	1.1	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia – N	LBS/DAY	9,925.3/-	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983/-	1/Year	Composite	ANR	ANR
Chloride	LBS/DAY	147,405/-	1/Discharge	Composite	272	--
Chlorine, Total Residual	LBS/DAY	98.3/-	1/Year	Grab	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4/-	1/Discharge	Composite	4.7	J (DNQ)
Fluoride	LBS/DAY	1,572.3/-	1/Year	Composite	ANR	ANR
Iron	LBS/DAY	295/-	1/Year	Composite	ANR	ANR
Manganese	LBS/DAY	49.1/-	1/Year	Composite	ANR	ANR
Nitrate - N	LBS/DAY	7,862/-	1/Discharge	Composite	37	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862/-	1/Discharge	Composite	37	--
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	2157	--
Total Dissolved Solids	LBS/DAY	933,567/-	1/Discharge	Composite	9649	--



OUTFALL 018 (R-2 POND SPILLWAY)

FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2017

					02/26/2017 - 02/27/2017 (Grab & Composite)	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Flow**	MGD	117.83/-	1/Discharge	Meas	1.423742	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481/-	1/Discharge	Composite	14	J (DNQ)
Oil & Grease	LBS/DAY	14,741/-	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222/-	1/Discharge	Composite	ND <sup>(c)</sup>	U
<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-Dinitrotoluene	LBS/DAY	17.7/-	1/Discharge	Composite	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8/-	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03/-	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9/-	1/Year	Composite	ANR	ANR
Arsenic	LBS/DAY	9.83/-	1/Year	Composite	ANR	ANR
Beryllium	LBS/DAY	3.93/-	1/Year	Composite	ANR	ANR
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>(a)</sup>	U
Chromium VI	LBS/DAY	15.72/-	1/Year	Composite	ANR	ANR
Copper	LBS/DAY	13.76/-	1/Discharge	Composite	0.028	--
Cyanide	LBS/DAY	8.35/-	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11/-	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.1/-	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4/-	1/Year	Composite	ANR	ANR
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>(e)</sup>	U
Silver	LBS/DAY	4.03/-	1/Year	Composite	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	2.8E-08	1/Discharge	Composite	ND	*
Thallium	LBS/DAY	1.97/-	1/Year	Composite	ANR	ANR
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	1.28	J (DNQ)
Barium	LBS/DAY	983/-	1/Year	Composite	ANR	ANR
Chloride	LBS/DAY	147,405/-	1/Discharge	Composite	103	--
Chlorine, Total Residual	LBS/DAY	98.3/-	1/Year	Grab	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4/-	1/Discharge	Composite	0.66	J (DNQ)
Fluoride	LBS/DAY	1,572.3/-	1/Year	Composite	ANR	ANR
Iron	LBS/DAY	295/-	1/Year	Composite	ANR	ANR
Manganese	LBS/DAY	49.1/-	1/Year	Composite	ANR	ANR
Nitrate - N	LBS/DAY	7,862/-	1/Discharge	Composite	12	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862/-	1/Discharge	Composite	12	--
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	855	--
Total Dissolved Solids	LBS/DAY	933,567/-	1/Discharge	Composite	2731	--

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/09/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
<b>POLLUTANTS WITH LIMITS</b>						
4,4'-DDD	µg/L	0.0014/-	1/Quarter	Grab	ND < 0.0040	U
4,4'-DDE	µg/L	0.001/-	1/Quarter	Grab	ND < 0.0030	U
4,4'-DDT	µg/L	0.001/-	1/Quarter	Grab	ND < 0.0040	U
Aroclor 1016	µg/L	0.0003/-	1/Quarter	Grab	ND < 0.51	*
Aroclor 1221	µg/L	0.0003/-	1/Quarter	Grab	ND < 0.51	*
Aroclor 1232	µg/L	0.0003/-	1/Quarter	Grab	ND < 0.51	*
Aroclor 1242	µg/L	0.0003/-	1/Quarter	Grab	ND < 0.51	*
Aroclor 1248	µg/L	0.0003/-	1/Quarter	Grab	ND < 0.51	*
Aroclor 1254	µg/L	0.0003/-	1/Quarter	Grab	ND < 0.51	*
Aroclor 1260	µg/L	0.0003/-	1/Quarter	Grab	ND < 0.51	*
Chlordane	µg/L	0.001/-	1/Quarter	Grab	ND < 0.080	UJ (C)
Chlorpyrifos	µg/L	0.02/-	1/Quarter	Grab	ND < 1.0	U
Diazinon	µg/L	0.16/-	1/Quarter	Grab	ND < 0.24	U
Dieldrin	µg/L	0.0002/-	1/Quarter	Grab	ND < 0.0020	U
E. Coli	MPN/100 ml	235/-	1/Year	Grab	8000	--
pH (Field)	s.u.	6.5-8.5/-	1/Quarter	Grab	7.94	*
Toxaphene	µg/L	0.0003/-	1/Quarter	Grab	ND < 0.25	U
<b>POLLUTANTS WITHOUT LIMITS</b>						
Hardness	mg/L	-/-	1/Quarter	Grab	190	--
Temperature (Field)	deg F	-/-	1/Quarter	Grab	54.95	*
Total Suspended Solids	mg/L	-/-	1/Year	Grab	840	--
Water Velocity	ft/sec	-/-	1/Quarter	Meas	0.1	*

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/16/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
<b>POLLUTANTS WITH LIMITS</b>						
4,4'-DDD	µg/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	µg/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	µg/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	Grab	430	J (H)
pH (Field)	s.u.	6.5-8.5/-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
<b>POLLUTANTS WITHOUT LIMITS</b>						
Hardness	mg/L	-/-	1/Quarter	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	ANR	ANR	ANR

## ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/17/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
<b>POLLUTANTS WITH LIMITS</b>						
4,4'-DDD	µg/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	µg/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	µg/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	Grab	330	--
pH (Field)	s.u.	6.5-8.5/-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
<b>POLLUTANTS WITHOUT LIMITS</b>						
Hardness	mg/L	-/-	1/Quarter	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/18/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
<b>POLLUTANTS WITH LIMITS</b>						
4,4'-DDD	µg/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	µg/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	µg/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	Grab	370	--
pH (Field)	s.u.	6.5-8.5/-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
<b>POLLUTANTS WITHOUT LIMITS</b>						
Hardness	mg/L	-/-	1/Quarter	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/19/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
<b>POLLUTANTS WITH LIMITS</b>						
4,4'-DDD	µg/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	µg/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	µg/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	Grab	6700	J (H)
pH (Field)	s.u.	6.5-8.5/-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
<b>POLLUTANTS WITHOUT LIMITS</b>						
Hardness	mg/L	-/-	1/Quarter	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/20/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
<b>POLLUTANTS WITH LIMITS</b>						
4,4'-DDD	µg/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	µg/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	µg/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	Grab	1700	--
pH (Field)	s.u.	6.5-8.5/-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
<b>POLLUTANTS WITHOUT LIMITS</b>						
Hardness	mg/L	-/-	1/Quarter	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/21/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
<b>POLLUTANTS WITH LIMITS</b>						
4,4'-DDD	µg/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	µg/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	µg/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	Grab	3400	--
pH (Field)	s.u.	6.5-8.5/-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
<b>POLLUTANTS WITHOUT LIMITS</b>						
Hardness	mg/L	-/-	1/Quarter	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	ANR	ANR	ANR



## ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/22/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
<b>POLLUTANTS WITH LIMITS</b>						
4,4'-DDD	µg/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	µg/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	µg/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	Grab	1900	J (H)
pH (Field)	s.u.	6.5-8.5/-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
<b>POLLUTANTS WITHOUT LIMITS</b>						
Hardness	mg/L	-/-	1/Quarter	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/23/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
<b>POLLUTANTS WITH LIMITS</b>						
4,4'-DDD	µg/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	µg/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	µg/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	Grab	2800	--
pH (Field)	s.u.	6.5-8.5/-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
<b>POLLUTANTS WITHOUT LIMITS</b>						
Hardness	mg/L	-/-	1/Quarter	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/24/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
<b>POLLUTANTS WITH LIMITS</b>						
4,4'-DDD	µg/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	µg/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	µg/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	Grab	510	--
pH (Field)	s.u.	6.5-8.5/-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
<b>POLLUTANTS WITHOUT LIMITS</b>						
Hardness	mg/L	-/-	1/Quarter	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/25/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
<b>POLLUTANTS WITH LIMITS</b>						
4,4'-DDD	µg/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	µg/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	µg/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	Grab	500	J (H)
pH (Field)	s.u.	6.5-8.5/-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
<b>POLLUTANTS WITHOUT LIMITS</b>						
Hardness	mg/L	-/-	1/Quarter	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	01/26/2017		
				SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
<b>POLLUTANTS WITH LIMITS</b>						
4,4'-DDD	µg/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	µg/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	µg/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	Grab	430	--
pH (Field)	s.u.	6.5-8.5/-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
<b>POLLUTANTS WITHOUT LIMITS</b>						
Hardness	mg/L	-/-	1/Quarter	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

				02/02/2017		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
<b>POLLUTANTS WITH LIMITS</b>						
4,4'-DDD	µg/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	µg/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	µg/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	Grab	200	--
pH (Field)	s.u.	6.5-8.5/-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
<b>POLLUTANTS WITHOUT LIMITS</b>						
Hardness	mg/L	-/-	1/Quarter	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	ANR	ANR	ANR

ARROYO SIMI (FRONTIER PARK RECEIVING WATER)

FIRST QUARTER 2017 REPORTING SUMMARY  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

January 1 through March 31, 2017

				02/08/2017		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
<b>POLLUTANTS WITH LIMITS</b>						
4,4'-DDD	µg/L	0.0014/-	1/Quarter	ANR	ANR	ANR
4,4'-DDE	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
4,4'-DDT	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Aroclor 1016	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1221	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1232	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1242	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1248	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1254	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Aroclor 1260	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	0.001/-	1/Quarter	ANR	ANR	ANR
Chlorpyrifos	µg/L	0.02/-	1/Quarter	ANR	ANR	ANR
Diazinon	µg/L	0.16/-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	0.0002/-	1/Quarter	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	1/Year	Grab	5100	--
pH (Field)	s.u.	6.5-8.5/-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	0.0003/-	1/Quarter	ANR	ANR	ANR
<b>POLLUTANTS WITHOUT LIMITS</b>						
Hardness	mg/L	-/-	1/Quarter	ANR	ANR	ANR
Temperature (Field)	deg F	-/-	1/Quarter	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	1/Year	ANR	ANR	ANR
Water Velocity	ft/sec	-/-	1/Quarter	ANR	ANR	ANR

**ARROYO SIMI (FRONTIER PARK RECEIVING WATER)**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Sample Type: Grab  
Sample Date: January 9, 2017

ANALYTE	SAMPLE FREQUENCY	LAB MDL (µg/L)	LAB RL (µg/L)	LAB RESULT (µg/L)	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/Year	3.80E-07	5.10E-05	1.10E-05	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1/Year	2.20E-07	5.10E-05	5.20E-06	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1/Year	2.80E-07	5.10E-05	1.20E-06	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1/Year	1.50E-07	5.10E-05	7.80E-07	U (B)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1/Year	2.30E-07	5.10E-05	9.10E-07	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1/Year	1.60E-07	5.10E-05	9.90E-07	U (B)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1/Year	2.20E-07	5.10E-05	7.70E-07	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1/Year	1.20E-07	5.10E-05	1.10E-06	U (B)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1/Year	1.90E-07	5.10E-05	8.20E-07	U (B)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1/Year	2.30E-07	5.10E-05	5.10E-07	U (B)	1.0	0.9	ND
1,2,3,7,8-PeCDF	1/Year	1.80E-07	5.10E-05	4.90E-07	U (B)	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1/Year	1.90E-07	5.10E-05	8.40E-07	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	1/Year	1.90E-07	5.10E-05	4.80E-07	U (B)	0.5	1.6	ND
2,3,7,8-TCDD	1/Year	2.10E-07	1.00E-05	ND	U	1.0	1.0	ND
2,3,7,8-TCDF	1/Year	1.40E-06	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1/Year	3.80E-07	1.00E-04	9.70E-05	U (B)	0.0001	0.01	ND
OCDF	1/Year	2.50E-07	1.00E-04	1.10E-05	U (B)	0.0001	0.02	ND

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



**APPENDIX D**

**First Quarter 2017 NPDES Permit Limit Exceedances**

**TABLE D  
SUMMARY OF PERMIT LIMIT EXCEEDANCES**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2017

DAILY MAX BENCHMARK LIMIT EXCEEDANCES								
OUTFALL	LOCATIONS	SAMPLE DATE	SAMPLE TYPE	ANALYTE	PERMIT LIMIT DAILY MAX	DAILY MAX RESULT	UNITS	VALIDATION QUALIFIER
Outfall 001	South Slope below Perimeter Pond	1/21/2017	Comp	Iron	0.3/-	18	mg/L	--
Outfall 001	South Slope below Perimeter Pond	1/21/2017	Comp	Lead	5.2/-	8.6	µg/L	--
Outfall 001	South Slope below Perimeter Pond	1/21/2017	Comp	Manganese	50/-	300	µg/L	--
Outfall 001	South Slope below Perimeter Pond	2/18/2017	Comp	TCDD TEQ w/out DNQ	2.8E-08/-	3.0E-08	µg/L	--
Outfall 002	South Slope below R-2 Pond	1/21/2017	Comp	Chronic Toxicity	Pass or % Effect <50	Fail, 55.46	Pass or % Effect	J (H)
Outfall 002	South Slope below R-2 Pond	1/23/2017	Comp	Iron	0.3/-	0.48	mg/L	J+ (Q)

DAILY MAX PERMIT LIMIT EXCEEDANCES								
OUTFALL	LOCATIONS	SAMPLE DATE	SAMPLE TYPE	ANALYTE	PERMIT LIMIT DAILY MAX	DAILY MAX RESULT	UNITS	VALIDATION QUALIFIER
Outfall 008	Happy Valley Drainage	1/20/2017	Grab	pH, Field	6.5-8.5/-	6.20	s.u.	*
Outfall 009	WS-13 Drainage	2/18/2017	Comp	Lead	5.2/-	9.5	µg/L	--
Outfall 011	Perimeter Pond	1/24/2017	Comp	Iron	0.3/-	0.77	mg/L	J+ (Q, Q1)

**TABLE D  
SUMMARY OF PERMIT LIMIT EXCEEDANCES**

**FIRST QUARTER 2017 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2017

SINGLE SAMPLE MAXIMUM RECEIVING WATER LIMIT EXCEEDANCES								
OUTFALL	LOCATIONS	SAMPLE DATE	SAMPLE TYPE	ANALYTE	PERMIT LIMIT DAILY MAX	DAILY MAX RESULT	UNITS	VALIDATION QUALIFIER
Arroyo Simi	Frontier Park Receiving Water	1/9/2017	Grab	E. Coli	235/-	8000	MPN/100 ml	--
Arroyo Simi	Frontier Park Receiving Water	1/16/2017	Grab	E. Coli	235/-	430	MPN/100 ml	J (H)
Arroyo Simi	Frontier Park Receiving Water	1/17/2017	Grab	E. Coli	235/-	330	MPN/100 ml	--
Arroyo Simi	Frontier Park Receiving Water	1/18/2017	Grab	E. Coli	235/-	370	MPN/100 ml	--
Arroyo Simi	Frontier Park Receiving Water	1/19/2017	Grab	E. Coli	235/-	6700	MPN/100 ml	J (H)
Arroyo Simi	Frontier Park Receiving Water	1/20/2017	Grab	E. Coli	235/-	1700	MPN/100 ml	--
Arroyo Simi	Frontier Park Receiving Water	1/21/2017	Grab	E. Coli	235/-	3400	MPN/100 ml	--
Arroyo Simi	Frontier Park Receiving Water	1/22/2017	Grab	E. Coli	235/-	1900	MPN/100 ml	J (H)
Arroyo Simi	Frontier Park Receiving Water	1/23/2017	Grab	E. Coli	235/-	2800	MPN/100 ml	--
Arroyo Simi	Frontier Park Receiving Water	1/24/2017	Grab	E. Coli	235/-	510	MPN/100 ml	--
Arroyo Simi	Frontier Park Receiving Water	1/25/2017	Grab	E. Coli	235/-	500	MPN/100 ml	J (H)
Arroyo Simi	Frontier Park Receiving Water	1/26/2017	Grab	E. Coli	235/-	430	MPN/100 ml	--
Arroyo Simi	Frontier Park Receiving Water	2/8/2017	Grab	E. Coli	235/-	5100	MPN/100 ml	--

GEOMETRIC MEAN RECEIVING WATER LIMIT EXCEEDANCES								
OUTFALL	LOCATIONS	SAMPLE DATES	SAMPLE TYPE	ANALYTE	GEOMEAN LIMIT	GEOMEAN RESULT	UNITS	VALIDATION QUALIFIER
Arroyo Simi	Frontier Park Receiving Water	1/9/17-2/8/17	Grab	E. Coli	126	1176	MPN/100 ml	*