

APPENDIX C

FIRST QUARTER 2012 SUMMARY TABLES, DISCHARGE  
MONITORING DATA

**FIRST QUARTER 2012  
REPORTING SUMMARY NOTES  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Notes:**

1. For Dioxins and Furans, laboratory results may have been reported in picograms/liter (pg/L). However, the permit limit is stated in micrograms/liter (µg/L). To evaluate permit compliance, the laboratory results have been converted to µg/L, as necessary, to calculate the TCDD TEQ.
2. 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 TEF. The resulting compliance TCDD TEQ does not include those congener concentrations that are reported as DNQ, as specified on Page 40 of the NPDES permit.
3. For some sample dates, pH was determined with a field instrument and was noted as such. These results were not validated. Since pH does not have an RL, the possible pH range is shown in the RL column.
4. The NPDES permit limit or benchmark limit for mercury of 0.10 µg/L (Outfalls 001, 002, 011, 018 and 019) and 0.13 µg/L (Outfalls 003-010) are not achievable by the laboratory; therefore, the laboratory reporting limit of 0.20 µg/L was used to determine compliance.
5. All of the following abbreviations and/or notes may not occur on every table.

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-92.9 +/-200	A negative radiochemical analytical result indicates the count rate of the sample was less than the background condition
\$	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 DL, MDL, or RL (see laboratory report for specific detail)
*	result not validated
*1	improper preservation of sample
*2	the ICP/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

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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)
ANR	analysis not required; e.g., constituent or outfall was not required by the permit to be sampled and analyzed (annual, semi-annual, etc.)
B	laboratory method blank contamination
C	calibration %RSD or %D were noncompliant
C5	Calibration verification %R was outside method control limits
%D	percent difference between the initial and continuing calibration relative response factors
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	duplicates show poor agreement
H	holding time was exceeded
I	ICP interference check solution results were unsatisfactory
J	estimated value
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.
L2	the laboratory control sample %R was below the method control limits
L	laboratory control sample %R was outside control limits
LOD	limit of detection
M1	matrix spike (MS) and/or MS duplicate 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
MDL	method detection limit
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
ml/L/hr	milliliters per liter per hour
NA	not applicable; no permit limit established for the constituent and/or outfall
ND	analyte value less than the LOD or MDL
NM	not measured or determined
NTU	nephelometric turbidity unit
pCi/L	picocuries per liter

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pg/L	picograms per liter
Q	matrix spike recovery outside of control limits
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
%RSD	percent relative standard deviation
S	surrogate recovery was outside control limits
TEQ	toxic equivalent
T	presumed contamination, as indicated by a detect in the trip blank
TU <sub>c</sub>	toxicity units (chronic)
U	result not detected
µg/L	micrograms per liter
UJ	result not detected at the estimated reporting limit
umhos/cm	micromhos per centimeter
WHO TEF	World Health Organization toxic equivalency factor
^	analysis not completed due to hold time exceedence or insufficient sample volume
#	Per ORDER NO. R4-2010-0090 page 23 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 inches 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.
(4.0)3.1/-	Represents (Dry Weather Limit) Wet Weather Limit / Monthly Average Limit.

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

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**January 1 through March 31, 2012**

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	01/23/2012-01/24/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Asbestos	MFL	-/-	ANR	ANR	ANR
Chloride	mg/L	150/-	Comp	1.8	*
E. Coli	MPN/100mL	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100mL	-/-	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	0.27	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	Grab	7.6	*
Sulfate	mg/L	250/-	Comp	18	*
Temperature	deg. F	86/-	Grab	52	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	Comp	65	MB*
Hardness	mg/L	-/-	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	Comp	3.0	J (DNQ)
Volume Discharged	MGD	17.8/-	Meas	0.068905	*
<b>METALS</b>					
Aluminum	ug/L	-/-	ANR	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	0.30	J,DX* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	ND < 0.30	*
Arsenic	ug/L	-/-	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Chromium	ug/L	-/-	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	1.7	J,DX* (DNQ)
Copper, dissolved	ug/L	-/-	Comp	1.3	J,DX* (DNQ)
Iron	mg/L	-/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	0.48	J,DX* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	100/-	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	01/23/2012-01/24/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Selenium	ug/L	-/-	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR
<b>ORGANICS</b>					
Benzene	ug/L	-/-	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR
<b>ADDITIONAL ANALYTES</b>					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2,3-Trichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Dibromoethane (EDB)	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Butanol	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR

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			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Methylnaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Methylphenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chloroaniline	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR
Aniline	ug/L	-/-	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzoic acid	ug/L	-/-	ANR	ANR	ANR
Benzyl alcohol	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	01/23/2012-01/24/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chlorpyrifos	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Diazinon	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibenzofuran	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Diisopropyl ether	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Ethyl tert-Butyl Ether (ETBE)	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Methyl-tert-butyl ether	ug/L	-/-	ANR	ANR	ANR
m-Nitroaniline	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
o-Nitroaniline	ug/L	-/-	ANR	ANR	ANR
p-Cresol	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR



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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	01/23/2012-01/24/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
p-Nitroaniline	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
tert-Amyl Methyl Ether (TAME)	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	03/17/2012-03/18/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Asbestos	MFL	-/-	Comp	ND < 2.2	U
Chloride	mg/L	150/-	Comp	2.0	--
E. Coli	MPN/100mL	-/-	Grab	1600	J (H)
Fecal Coliform	MPN/100mL	-/-	Grab	1600	J (H)
Fluoride	mg/L	1.6/-	Comp	0.18	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	0.37	--
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	U
Perchlorate	ug/L	6.0/-	Comp	ND < 0.95	U
pH (Field)	pH units	6.5-8.5/-	Grab	6.7	*
Sulfate	mg/L	250/-	Comp	7.1	--
Temperature	deg. F	86/-	Grab	50	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 3.0	U
Total Dissolved Solids	mg/L	850/-	Comp	41	--
Hardness	mg/L	-/-	Comp	22	--
Hardness, dissolved	mg/L	-/-	Comp	20	--
Total Suspended Solids	mg/L	-/-	Comp	14	--
Volume Discharged	MGD	17.8/-	Meas	0.289125	*
<b>METALS</b>					
Aluminum	ug/L	-/-	Comp	1100	--
Aluminum, dissolved	ug/L	-/-	Comp	250	--
Antimony	ug/L	6.0/-	Comp	0.49	J (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	0.45	J (DNQ)
Arsenic	ug/L	-/-	Comp	ND < 7.0	U
Arsenic, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Beryllium	ug/L	-/-	Comp	ND < 0.90	U
Beryllium, dissolved	ug/L	-/-	Comp	ND < 0.90	U
Boron	mg/L	1.0/-	Comp	ND < 0.050	U (B)
Boron, dissolved	mg/L	-/-	Comp	ND < 0.050	U (B)
Cadmium	ug/L	4.0/-	Comp	ND < 0.10	U
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Calcium	mg/L	-/-	Comp	6.1	--
Calcium, Dissolved	mg/L	-/-	Comp	5.6	--
Chromium	ug/L	-/-	Comp	ND < 2.0	U
Chromium, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Chromium VI	ug/L	-/-	Grab	ND < 0.25	U
Copper	ug/L	14/-	Comp	4.2	--
Copper, dissolved	ug/L	-/-	Comp	3.3	--
Iron	mg/L	-/-	Comp	1.2	--
Iron, dissolved	mg/L	-/-	Comp	0.18	--
Lead	ug/L	5.2/-	Comp	4.0	--
Lead, dissolved	ug/L	-/-	Comp	0.66	J (DNQ)
Magnesium	mg/L	-/-	Comp	1.7	--
Magnesium, Dissolved	mg/L	-/-	Comp	1.5	--
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	100/-	Comp	2.9	J (DNQ)
Nickel, dissolved	ug/L	-/-	Comp	ND < 2.0	U

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	03/17/2012-03/18/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Selenium	ug/L	-/-	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	-/-	Comp	ND < 6.0	U
Silver, dissolved	ug/L	-/-	Comp	ND < 6.0	U
Thallium	ug/L	2.0/-	Comp	ND < 0.20	U
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	U
Vanadium	ug/L	-/-	Comp	4.4	J (DNQ)
Vanadium, dissolved	ug/L	-/-	Comp	ND < 3.0	U
Zinc	ug/L	-/-	Comp	14	J (DNQ)
Zinc, Dissolved	ug/L	-/-	Comp	ND < 6.0	U
<b>ORGANICS</b>					
Benzene	ug/L	-/-	Grab	ND < 0.28	U
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	U
Chloroform	ug/L	-/-	Grab	ND < 0.33	U
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	U
1,2-Dichloroethane	ug/L	-/-	Grab	ND < 0.28	U
1,1-Dichloroethene	ug/L	-/-	Grab	ND < 0.42	U
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	U
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	U
Toluene	ug/L	-/-	Grab	ND < 0.36	U
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	U
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	U
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	U
Trichloroethene	ug/L	-/-	Grab	ND < 0.26	U
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	U
Vinyl chloride	ug/L	-/-	Grab	ND < 0.40	U
<b>ADDITIONAL ANALYTES</b>					
1,1,2,2-Tetrachloroethane	ug/L	-/-	Grab	ND < 0.30	U
1,2,4-Trichlorobenzene	ug/L	-/-	Comp	ND < 2.45	U
1,2,3-Trichloropropane	ug/L	-/-	Grab	ND < 0.40	U
1,2-Dibromoethane (EDB)	ug/L	-/-	Grab	ND < 0.40	U
1,2-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.32	U
1,2-Dichlorobenzene	ug/L	-/-	Comp	ND < 2.94	U
1,2-Dichloropropane	ug/L	-/-	Grab	ND < 0.35	U
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	Comp	ND < 2.45	U
1,3-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.35	U
1,3-Dichlorobenzene	ug/L	-/-	Comp	ND < 2.94	U
1,4-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.37	U
1,4-Dichlorobenzene	ug/L	-/-	Comp	ND < 2.45	U
2,4,6-Trichlorophenol	ug/L	-/-	Comp	ND < 4.41	U
2,4-Dichlorophenol	ug/L	-/-	Comp	ND < 3.43	U
2,4-Dimethylphenol	ug/L	-/-	Comp	ND < 3.43	U
2,4-Dinitrophenol	ug/L	-/-	Comp	ND < 7.84	U
2,4-Dinitrotoluene	ug/L	-/-	Comp	ND < 3.43	U
2,6-Dinitrotoluene	ug/L	-/-	Comp	ND < 1.96	U
2-Butanol	ug/L	-/-	Grab	ND < 6.5	U
2-Chloroethylvinylether	ug/L	-/-	Grab	ND < 1.8	U
2-Chloronaphthalene	ug/L	-/-	Comp	ND < 2.94	U

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

**FIRST QUARTER 2012 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**January 1 through March 31, 2012**

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	03/17/2012-03/18/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
2-Chlorophenol	ug/L	-/-	Comp	ND < 2.94	U
2-Methyl-4,6-dinitrophenol	ug/L	-/-	Comp	ND < 3.92	U
2-Methylnaphthalene	ug/L	-/-	Comp	ND < 1.96	U
2-Methylphenol	ug/L	-/-	Comp	ND < 2.94	U
2-Nitrophenol	ug/L	-/-	Comp	ND < 3.43	U
3,3'-Dichlorobenzidine	ug/L	-/-	Comp	ND < 7.35	U
4,4'-DDD	ug/L	-/-	Comp	ND < 0.0039	U
4,4'-DDE	ug/L	-/-	Comp	ND < 0.0029	U
4,4'-DDT	ug/L	-/-	Comp	ND < 0.0039	U
4-Bromophenylphenylether	ug/L	-/-	Comp	ND < 2.94	U
4-Chloro-3-methylphenol	ug/L	-/-	Comp	ND < 2.45	U
4-Chloroaniline	ug/L	-/-	Comp	ND < 1.96	U
4-Chlorophenylphenylether	ug/L	-/-	Comp	ND < 2.45	U
4-Nitrophenol	ug/L	-/-	Comp	ND < 5.39	U
Acenaphthene	ug/L	-/-	Comp	ND < 2.94	U
Acenaphthylene	ug/L	-/-	Comp	ND < 2.94	U
Acrolein	ug/L	-/-	Grab	ND < 4.0	U
Acrylonitrile	ug/L	-/-	Grab	ND < 1.2	U
Acute Toxicity	% SURVIVAL	70-100/-	Comp	100	*
Aldrin	ug/L	-/-	Comp	ND < 0.0015	U
alpha-BHC	ug/L	-/-	Comp	ND < 0.0025	U
Aniline	ug/L	-/-	Comp	ND < 3.43	U
Anthracene	ug/L	-/-	Comp	ND < 2.45	U
Aroclor-1016	ug/L	-/-	Comp	ND < 0.25	*
Aroclor-1221	ug/L	-/-	Comp	ND < 0.25	*
Aroclor-1232	ug/L	-/-	Comp	ND < 0.25	*
Aroclor-1242	ug/L	-/-	Comp	ND < 0.25	*
Aroclor-1248	ug/L	-/-	Comp	ND < 0.25	*
Aroclor-1254	ug/L	-/-	Comp	ND < 0.25	*
Aroclor-1260	ug/L	-/-	Comp	ND < 0.25	*
Benzidine	ug/L	-/-	Comp	ND < 9.80	U
Benzo(a)anthracene	ug/L	-/-	Comp	ND < 2.45	U
Benzo(a)pyrene	ug/L	-/-	Comp	ND < 2.94	U
Benzo(b)fluoranthene	ug/L	-/-	Comp	ND < 1.96	U
Benzo(g,h,l)perylene	ug/L	-/-	Comp	ND < 3.92	U
Benzo(k)fluoranthene	ug/L	-/-	Comp	ND < 2.45	U
Benzoic acid	ug/L	-/-	Comp	ND < 9.80	U
Benzyl alcohol	ug/L	-/-	Comp	ND < 3.43	U
beta-BHC	ug/L	-/-	Comp	ND < 0.0039	U
bis (2-Chloroethyl) ether	ug/L	-/-	Comp	ND < 2.94	U
bis (2-ethylhexyl) Phthalate	ug/L	-/-	Comp	ND < 3.92	U
bis(2-Chloroethoxy) methane	ug/L	-/-	Comp	ND < 2.94	U
bis(2-Chloroisopropyl) ether	ug/L	-/-	Comp	ND < 2.45	UJ (C)
Bromodichloromethane	ug/L	-/-	Grab	ND < 0.30	U
Bromoform	ug/L	-/-	Grab	ND < 0.40	U
Bromomethane	ug/L	-/-	Grab	ND < 0.42	U
Butylbenzylphthalate	ug/L	-/-	Comp	ND < 3.92	U
Chlordane	ug/L	-/-	Comp	ND < 0.0078	U

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

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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	03/17/2012-03/18/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chlorobenzene	ug/L	-/-	Grab	ND < 0.36	U
Chloroethane	ug/L	-/-	Grab	ND < 0.40	U
Chloromethane	ug/L	-/-	Grab	ND < 0.40	U
Chlorpyrifos	ug/L	-/-	Comp	ND < 0.077	U
Chronic Toxicity	TUC	1/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	Comp	ND < 2.45	U
cis-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.32	U
cis-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.22	U
delta-BHC	ug/L	-/-	Comp	ND < 0.0034	U
Diazinon	ug/L	-/-	Comp	ND < 0.038	U
Dibenzo(a,h)anthracene	ug/L	-/-	Comp	ND < 2.94	U
Dibenzofuran	ug/L	-/-	Comp	ND < 3.92	U
Dibromochloromethane	ug/L	-/-	Grab	ND < 0.40	U
Dieldrin	ug/L	-/-	Comp	ND < 0.0020	U
Diethylphthalate	ug/L	-/-	Comp	ND < 3.43	U
Diisopropyl ether	ug/L	-/-	Grab	ND < 0.25	U
Dimethylphthalate	ug/L	-/-	Comp	ND < 2.45	U
Di-n-butylphthalate	ug/L	-/-	Comp	ND < 2.94	U
Di-n-octylphthalate	ug/L	-/-	Comp	ND < 3.43	U
Endosulfan I	ug/L	-/-	Comp	ND < 0.0029	U
Endosulfan II	ug/L	-/-	Comp	ND < 0.0020	U
Endosulfan sulfate	ug/L	-/-	Comp	ND < 0.0029	U
Endrin	ug/L	-/-	Comp	ND < 0.0020	U
Endrin aldehyde	ug/L	-/-	Comp	ND < 0.0020	U
Ethyl tert-Butyl Ether (ETBE)	ug/L	-/-	Grab	ND < 0.28	U
Fluoranthene	ug/L	-/-	Comp	ND < 2.94	U
Fluorene	ug/L	-/-	Comp	ND < 2.94	U
Heptachlor	ug/L	-/-	Comp	ND < 0.0029	U
Heptachlor epoxide	ug/L	-/-	Comp	ND < 0.0025	U
Hexachlorobenzene	ug/L	-/-	Comp	ND < 2.94	U
Hexachlorobutadiene	ug/L	-/-	Comp	ND < 3.92	U
Hexachlorocyclopentadiene	ug/L	-/-	Comp	ND < 4.90	UJ (C)
Hexachloroethane	ug/L	-/-	Comp	ND < 3.43	U
Indeno(1,2,3-cd)pyrene	ug/L	-/-	Comp	ND < 3.43	U
Isophorone	ug/L	-/-	Comp	ND < 2.94	U
Lindane (gamma-BHC)	ug/L	-/-	Comp	ND < 0.0029	U
Methylene Chloride	ug/L	-/-	Grab	ND < 0.95	U
Methyl-tert-butyl ether	ug/L	-/-	Grab	ND < 0.32	U
m-Nitroaniline	ug/L	-/-	Comp	ND < 2.94	U
Naphthalene	ug/L	-/-	Grab	ND < 0.41	U
Naphthalene	ug/L	-/-	Comp	ND < 2.94	U
Nitrobenzene	ug/L	-/-	Comp	ND < 2.94	U
n-Nitrosodimethylamine	ug/L	-/-	Comp	ND < 2.45	UJ (C)
n-Nitroso-di-n-propylamine	ug/L	-/-	Comp	ND < 3.43	UJ (C)
n-Nitrosodiphenylamine	ug/L	-/-	Comp	ND < 1.96	U
o-Nitroaniline	ug/L	-/-	Comp	ND < 1.96	UJ (C)
p-Cresol	ug/L	-/-	Comp	ND < 2.94	U
Pentachlorophenol	ug/L	-/-	Comp	ND < 3.43	U

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

**FIRST QUARTER 2012 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**January 1 through March 31, 2012**

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	03/17/2012-03/18/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Phenanthrene	ug/L	-/-	Comp	ND < 3.43	U
Phenol	ug/L	-/-	Comp	ND < 1.96	U
p-Nitroaniline	ug/L	-/-	Comp	ND < 3.92	U
Pyrene	ug/L	-/-	Comp	ND < 3.92	U
tert-Amyl Methyl Ether (TAME)	ug/L	-/-	Grab	ND < 0.33	U
Toxaphene	ug/L	-/-	Comp	ND < 0.25	U
trans-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.30	U
trans-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.32	U

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

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THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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**January 1 through March 31, 2012**

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	3/25/2012		3/27/2012		
				RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Asbestos	MFL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloride	mg/L	150/-	Comp	1.4	*	ANR	ANR	ANR
E. Coli	MPN/100mL	-/-	ANR	ANR	ANR	Grab	9.0	*
Fecal Coliform	MPN/100mL	-/-	ANR	ANR	ANR	Grab	50	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	0.27	*	ANR	ANR	ANR
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	ANR	ANR	ANR
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	Grab	7.0	*	ANR	ANR	ANR
Sulfate	mg/L	250/-	Comp	3.0	*	ANR	ANR	ANR
Temperature	deg. F	86/-	Grab	46	*	ANR	ANR	ANR
Total Cyanide	ug/L	9.5/-	Comp	ND < 3.0	*	ANR	ANR	ANR
Total Dissolved Solids	mg/L	850/-	Comp	47	*	ANR	ANR	ANR
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	Comp	33	*	ANR	ANR	ANR
Volume Discharged	MGD	17.8/-	Meas	1.344655	*	Meas	0.019965	*
<b>METALS</b>								
Aluminum	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	0.51	J (DNQ)	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	Comp	0.39	J (DNQ)	ANR	ANR	ANR
Arsenic	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	Comp	0.12	J (DNQ)	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	U	ANR	ANR	ANR
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium VI	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	5.1	--	ANR	ANR	ANR
Copper, dissolved	ug/L	-/-	Comp	3.2	--	ANR	ANR	ANR
Iron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	7.2	--	ANR	ANR	ANR
Lead, dissolved	ug/L	-/-	Comp	0.76	J (DNQ)	ANR	ANR	ANR
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U	ANR	ANR	ANR
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	ANR	ANR	ANR
Nickel	ug/L	100/-	ANR	ANR	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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

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THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**January 1 through March 31, 2012**

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	3/25/2012			3/27/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Selenium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	Comp	ND < 0.20	U	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	U	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
<b>ORGANICS</b>								
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
<b>ADDITIONAL ANALYTES</b>								
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2,3-Trichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dibromoethane (EDB)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Butanol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR



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

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THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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**January 1 through March 31, 2012**

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	3/25/2012			3/27/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methylnaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloroaniline	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aniline	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzoic acid	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzyl alcohol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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

**FIRST QUARTER 2012 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**January 1 through March 31, 2012**

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	3/25/2012			3/27/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorpyrifos	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diazinon	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzofuran	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diisopropyl ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethyl tert-Butyl Ether (ETBE)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Methyl-tert-butyl ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
m-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
o-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
p-Cresol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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

**FIRST QUARTER 2012 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**January 1 through March 31, 2012**

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	3/25/2012			3/27/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
p-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
tert-Amyl Methyl Ether (TAME)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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

**FIRST QUARTER 2012 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Type Composite  
Sample Date January 23-24, 2012**

<b>ANALYTE</b>	<b>LAB LOD (ug/L)</b>	<b>LAB RL (ug/L)</b>	<b>LAB RESULT (ug/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) (ug/L)</b>
1,2,3,4,6,7,8-HpCDD	2.30E-06	5.00E-05	ND	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1.30E-06	5.00E-05	ND	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1.80E-06	5.00E-05	ND	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1.60E-06	5.00E-05	1.20E-05	J (DNQ)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	7.00E-07	5.00E-05	ND	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1.60E-06	5.00E-05	1.30E-05	J (DNQ)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	6.40E-07	5.00E-05	ND	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1.40E-06	5.00E-05	1.40E-05	J (DNQ)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	8.80E-07	5.00E-05	ND	U (B)	0.1	0.6	ND
1,2,3,7,8-PeCDD	9.00E-07	5.00E-05	ND	UJ (*III)	1	0.9	ND
1,2,3,7,8-PeCDF	7.30E-07	5.00E-05	ND	U (B)	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	6.50E-07	5.00E-05	ND	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	7.60E-07	5.00E-05	ND	U (B)	0.5	1.6	ND
2,3,7,8-TCDD	8.60E-07	1.00E-05	ND	UJ (*III)	1	1	ND
2,3,7,8-TCDF	7.30E-07	1.00E-05	ND	UJ (*III)	0.1	0.8	ND
OCDD	2.80E-06	1.10E-04	1.50E-04	--	0.0001	0.01	1.50E-10
OCDF	2.60E-06	1.10E-04	ND	U (B)	0.0001	0.02	ND

<b>TCDD TEQ w/out DNQ Values</b>	<b>1.50E-10</b>
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**TCDD TEQ PERMIT LIMIT = 2.80E-08**

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

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

**FIRST QUARTER 2012 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Date March 17-18, 2012**

<b>ANALYTE</b>	<b>LAB LOD (ug/L)</b>	<b>LAB RL (ug/L)</b>	<b>LAB RESULT (ug/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) (ug/L)</b>
1,2,3,4,6,7,8-HpCDD	9.10E-06	5.00E-05	3.00E-04	--	0.01	0.05	<b>1.50E-07</b>
1,2,3,4,6,7,8-HpCDF	6.50E-06	5.00E-05	7.40E-05	--	0.01	0.01	<b>7.40E-09</b>
1,2,3,4,7,8,9-HpCDF	9.30E-06	5.00E-05	ND	U	0.01	0.4	<b>ND</b>
1,2,3,4,7,8-HxCDD	5.20E-06	5.00E-05	ND	UJ (*III)	0.1	0.3	<b>ND</b>
1,2,3,4,7,8-HxCDF	4.30E-06	5.00E-05	ND	U (B)	0.1	0.08	<b>ND</b>
1,2,3,6,7,8-HxCDD	5.00E-06	5.00E-05	1.50E-05	J (DNQ)	0.1	0.1	<b>ND</b>
1,2,3,6,7,8-HxCDF	4.30E-06	5.00E-05	ND	U	0.1	0.2	<b>ND</b>
1,2,3,7,8,9-HxCDD	4.60E-06	5.00E-05	1.70E-05	J (DNQ)	0.1	0.1	<b>ND</b>
1,2,3,7,8,9-HxCDF	5.50E-06	5.00E-05	ND	U	0.1	0.6	<b>ND</b>
1,2,3,7,8-PeCDD	8.10E-06	5.00E-05	ND	U	1	0.9	<b>ND</b>
1,2,3,7,8-PeCDF	9.90E-06	5.00E-05	ND	U	0.05	0.2	<b>ND</b>
2,3,4,6,7,8-HxCDF	4.10E-06	5.00E-05	ND	UJ (*III)	0.1	0.7	<b>ND</b>
2,3,4,7,8-PeCDF	1.00E-05	5.00E-05	ND	U	0.5	1.6	<b>ND</b>
2,3,7,8-TCDD	6.20E-06	1.00E-05	ND	U	1	1	<b>ND</b>
2,3,7,8-TCDF	2.70E-06	1.00E-05	ND	U	0.1	0.8	<b>ND</b>
OCDD	1.70E-05	1.00E-04	3.50E-03	--	0.0001	0.01	<b>3.50E-09</b>
OCDF	1.10E-05	1.00E-04	2.10E-04	--	0.0001	0.02	<b>4.20E-10</b>
<b>TCDD TEQ w/out DNQ Values</b>							<b>1.61E-07</b>

**TCDD TEQ PERMIT LIMIT = 2.80E-08**

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

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

**FIRST QUARTER 2012 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Type Composite  
Sample Date March 25, 2012**

<b>ANALYTE</b>	<b>LAB LOD (ug/L)</b>	<b>LAB RL (ug/L)</b>	<b>LAB RESULT (ug/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) (ug/L)</b>
1,2,3,4,6,7,8-HpCDD	3.60E-06	5.00E-05	1.10E-04	--	0.01	0.05	<b>5.50E-08</b>
1,2,3,4,6,7,8-HpCDF	3.80E-06	5.00E-05	2.80E-05	J (DNQ)	0.01	0.01	<b>ND</b>
1,2,3,4,7,8,9-HpCDF	5.60E-06	5.00E-05	ND	U	0.01	0.4	<b>ND</b>
1,2,3,4,7,8-HxCDD	3.30E-06	5.00E-05	ND	U	0.1	0.3	<b>ND</b>
1,2,3,4,7,8-HxCDF	4.60E-06	5.00E-05	ND	U	0.1	0.08	<b>ND</b>
1,2,3,6,7,8-HxCDD	2.80E-06	5.00E-05	5.00E-06	J (DNQ)	0.1	0.1	<b>ND</b>
1,2,3,6,7,8-HxCDF	4.20E-06	5.00E-05	ND	U	0.1	0.2	<b>ND</b>
1,2,3,7,8,9-HxCDD	2.70E-06	5.00E-05	4.70E-06	J (DNQ)	0.1	0.1	<b>ND</b>
1,2,3,7,8,9-HxCDF	6.10E-06	5.00E-05	ND	U	0.1	0.6	<b>ND</b>
1,2,3,7,8-PeCDD	6.70E-06	5.00E-05	ND	U	1	0.9	<b>ND</b>
1,2,3,7,8-PeCDF	7.00E-06	5.00E-05	ND	U	0.05	0.2	<b>ND</b>
2,3,4,6,7,8-HxCDF	4.30E-06	5.00E-05	ND	U	0.1	0.7	<b>ND</b>
2,3,4,7,8-PeCDF	7.00E-06	5.00E-05	ND	U	0.5	1.6	<b>ND</b>
2,3,7,8-TCDD	3.70E-06	1.00E-05	ND	U	1	1	<b>ND</b>
2,3,7,8-TCDF	6.30E-06	1.00E-05	ND	U	0.1	0.8	<b>ND</b>
OCDD	1.30E-05	1.00E-04	1.20E-03	--	0.0001	0.01	<b>1.20E-09</b>
OCDF	4.40E-06	1.00E-04	ND	U (B)	0.0001	0.02	<b>ND</b>

<b>TCDD TEQ w/out DNQ Values</b>	<b>5.62E-08</b>
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**TCDD TEQ PERMIT LIMIT = 2.80E-08**

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

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

**FIRST QUARTER 2012 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	01/23/2012-01/24/2012			03/17/2012-03/18/2012			3/25/2012		
			Sample Type	Result	Concentration Result Validation Qualifier	Sample Type	Result	Concentration Result Validation Qualifier	Sample Type	Result	Concentration Result Validation Qualifier
Max Discharge for event	MGD	17.8	Meas	0.03563		Meas	0.19941		Meas	1.34466	
Chloride	LBS/DAY	22,268/-	Comp	0.53	*	Comp	3.33	--	Comp	15.70	*
Fluoride	LBS/DAY	238/-	ANR	ANR	ANR	Comp	0.30	--	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	Comp	0.08	*	Comp	0.62	--	Comp	3.03	*
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*	Grab	ND	U	Grab	ND	*
Perchlorate	LBS/DAY	0.89/-	Comp	ND	*	Comp	ND	U	ANR	ANR	ANR
Sulfate	LBS/DAY	37,113/-	Comp	5.35	*	Comp	11.81	--	Comp	33.64	*
Total Cyanide	LBS/DAY	1.4/-	Comp	ND	*	Comp	ND	U	Comp	ND	*
Total Dissolved Solids	LBS/DAY	126,184/-	Comp	19.32	MB*	Comp	68.18	--	Comp	527.08	*
Antimony	LBS/DAY	0.89/-	Comp	0.0001	J,DX* (DNQ)	Comp	0.001	J (DNQ)	Comp	0.01	J (DNQ)
Boron	LBS/DAY	148/-	ANR	ANR	ANR	Comp	ND	U (B)	ANR	ANR	ANR
Copper	LBS/DAY	2.1/-	Comp	0.001	J,DX* (DNQ)	Comp	0.01	--	Comp	0.06	--
Lead	LBS/DAY	0.77/-	Comp	0.0001	J,DX* (DNQ)	Comp	0.01	--	Comp	0.08	--
Mercury	LBS/DAY	0.02/-	Comp	ND	U	Comp	ND	U	Comp	ND	U
Nickel	LBS/DAY	14.9/-	ANR	ANR	ANR	Comp	0.005	J (DNQ)	ANR	ANR	ANR
Thallium	LBS/DAY	0.3/-	Comp	ND	*	Comp	ND	U	Comp	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	Comp	4.46E-14	--	Comp	2.68E-10	--	Comp	6.30E-10	--

**OUTFALL 019 (Treatment System)**

**FIRST QUARTER 2012 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	02/28/2012-02/29/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	0.280	J,DX* (DNQ)
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	ND < 0.50	*
Chloride	mg/L	150/-	Comp	44	*
Dissolved Oxygen	mg/L	-/-	Grab	3.69	*
E. Coli	MPN/100mL	-/-	Grab	ND < 2.0	*
Fecal Coliform	MPN/100mL	-/-	Grab	0.00	*
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	830	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.19	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.13	*
Nitrite-N	mg/L	-/-	Comp	ND < 0.11	*
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.95	UJ (C)
pH (Field)	pH units	6.5-8.5/-	Grab	7.3	*
Total Settleable Solids	ml/L	0.3/0.1	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	160	*
Temperature	deg. F	86/-	Grab	63	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 3.0	*
Total Dissolved Solids	mg/L	950/-	Comp	570	*
Total Residual Chlorine (Field)	mg/L	0.1/-	Grab	0.0	*
Hardness	mg/L	-/-	Comp	350	--
Hardness, dissolved	mg/L	-/-	Comp	330	--
Total Organic Carbon	mg/L	-/-	Comp	1.5	J (B)
Total Suspended Solids	mg/L	45/15	Comp	ND < 10	*
Turbidity	NTU	-/-	Comp	0.090	J (DNQ)
Volume Discharged	MGD	160/-	Meas	0.047174	*
<b>METALS</b>					
Antimony	ug/L	6.0/-	Comp	ND < 0.30	*
Antimony, dissolved	ug/L	-/-	Comp	ND < 0.30	*
Arsenic	ug/L	10/-	Comp	ND < 10	U (B)
Arsenic, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Barium	mg/L	1.0/-	Comp	0.026	--
Barium, dissolved	mg/L	-/-	Comp	0.025	--
Beryllium	ug/L	4.0/-	Comp	ND < 0.90	U
Beryllium, dissolved	ug/L	-/-	Comp	ND < 0.90	U
Boron	mg/L	-/-	Comp	ND < 0.020	U
Boron, dissolved	mg/L	-/-	Comp	ND < 0.050	U (B)
Cadmium	ug/L	3.1/2.0	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	Comp	100	--
Calcium, Dissolved	mg/L	-/-	Comp	94	J (L)
Chromium	ug/L	16/8	Comp	2.3	J (DNQ)



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			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chromium, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Chromium VI	ug/L	-/-	Comp	ND < 0.25	*
Cobalt	ug/L	-/-	Comp	ND < 2.0	U
Cobalt, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Copper	ug/L	14/7.1	Comp	1.0	J,DX* (DNQ)
Copper, dissolved	ug/L	-/-	Comp	1.4	J,DX* (DNQ)
Iron	mg/L	0.3/-	Comp	ND < 0.015	U
Iron, dissolved	mg/L	-/-	Comp	ND < 0.015	U
Lead	ug/L	5.2/2.6	Comp	ND < 0.20	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	Comp	24	--
Magnesium, Dissolved	mg/L	-/-	Comp	24	--
Manganese	ug/L	50/-	Comp	ND < 7.0	U
Manganese, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	0.23	--
Nickel	ug/L	96/35	Comp	ND < 2.0	U
Nickel, dissolved	ug/L	-/-	Comp	2.1	J (DNQ)
Selenium	ug/L	8.2/4.1	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	4.1/2.0	Comp	ND < 6.0	U
Silver, dissolved	ug/L	-/-	Comp	ND < 6.0	U
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	Comp	ND < 3.0	U
Vanadium, dissolved	ug/L	-/-	Comp	ND < 3.0	U
Zinc	ug/L	119/54	Comp	ND < 20	U (B)
Zinc, Dissolved	ug/L	-/-	Comp	ND < 20	U (B)
<b>ORGANICS</b>					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/3.2	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	Comp	ND < 1.0	*
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*

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			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*
<b>TPH</b>					
DRO (C13 - C28)	mg/L	-/-	Grab	ND < 0.096	*
GRO (C4 - C12)	mg/L	-/-	Grab	ND < 0.025	*
<b>ADDITIONAL ANALYTES</b>					
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	Grab	ND < 1.1	*
1,1,2,2-Tetrachloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,2,4-Trichlorobenzene	ug/L	-/-	Comp	ND < 11.8	*
1,2-Dichlorobenzene	ug/L	-/-	Comp	ND < 14.2	*
1,2-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.32	*
1,2-Dichloropropane	ug/L	-/-	Grab	ND < 0.35	*
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	Comp	ND < 11.8	*
1,3-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.35	*
1,3-Dichlorobenzene	ug/L	-/-	Comp	ND < 14.2	*
1,4-Dichlorobenzene	ug/L	-/-	Comp	ND < 11.8	*
1,4-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.37	*
2,4,6-Trichlorophenol	ug/L	13/6.5	Comp	ND < 21.3	*
2,4-Dichlorophenol	ug/L	-/-	Comp	ND < 16.6	*
2,4-Dimethylphenol	ug/L	-/-	Comp	ND < 16.6	*
2,4-Dinitrophenol	ug/L	-/-	Comp	ND < 37.9	*
2,4-Dinitrotoluene	ug/L	18/9.1	Comp	ND < 16.6	*
2,6-Dinitrotoluene	ug/L	-/-	Comp	ND < 9.48	*
2-Chloroethylvinylether	ug/L	-/-	Grab	ND < 1.8	*
2-Chloronaphthalene	ug/L	-/-	Comp	ND < 14.2	*
2-Chlorophenol	ug/L	-/-	Comp	ND < 14.2	*
2-Methyl-4,6-dinitrophenol	ug/L	-/-	Comp	ND < 19.0	*
2-Nitrophenol	ug/L	-/-	Comp	ND < 16.6	*
3,3'-Dichlorobenzidine	ug/L	-/-	Comp	ND < 35.5	*
4,4'-DDD	ug/L	-/-	Comp	ND < 0.0038	*
4,4'-DDE	ug/L	-/-	Comp	ND < 0.0028	*
4,4'-DDT	ug/L	-/-	Comp	ND < 0.0038	*
4-Bromophenylphenylether	ug/L	-/-	Comp	ND < 14.2	*
4-Chloro-3-methylphenol	ug/L	-/-	Comp	ND < 11.8	*
4-Chlorophenylphenylether	ug/L	-/-	Comp	ND < 11.8	*
4-Nitrophenol	ug/L	-/-	Comp	ND < 26.1	*
Acenaphthene	ug/L	-/-	Comp	ND < 14.2	*
Acenaphthylene	ug/L	-/-	Comp	ND < 14.2	*
Acrolein	ug/L	-/-	Grab	ND < 4.0	*
Acrylonitrile	ug/L	-/-	Grab	ND < 1.2	*
Acute Toxicity	% SURVIVAL	70-100/-	Comp	100	*
Aldrin	ug/L	-/-	Comp	ND < 0.0014	*
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	Comp	ND < 11.8	*

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Aroclor-1016	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1221	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1232	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1242	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1248	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1254	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1260	ug/L	-/-	Comp	ND < 0.24	*
Benzidine	ug/L	-/-	Comp	ND < 47.4	LQ* (LQ)
Benzo(a)anthracene	ug/L	-/-	Comp	ND < 11.8	*
Benzo(a)pyrene	ug/L	-/-	Comp	ND < 14.2	*
Benzo(b)fluoranthene	ug/L	-/-	Comp	ND < 9.48	*
Benzo(g,h,i)perylene	ug/L	-/-	Comp	ND < 19.0	*
Benzo(k)fluoranthene	ug/L	-/-	Comp	ND < 11.8	*
beta-BHC	ug/L	-/-	Comp	ND < 0.0038	*
bis (2-Chloroethyl) ether	ug/L	-/-	Comp	ND < 14.2	*
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 19.0	*
bis(2-Chloroethoxy) methane	ug/L	-/-	Comp	ND < 14.2	*
bis(2-Chloroisopropyl) ether	ug/L	-/-	Comp	ND < 11.8	*
Bromodichloromethane	ug/L	-/-	Grab	ND < 0.30	*
Bromoform	ug/L	-/-	Grab	ND < 0.40	*
Bromomethane	ug/L	-/-	Grab	ND < 0.42	*
Butylbenzylphthalate	ug/L	-/-	Comp	ND < 19.0	*
Chlordane	ug/L	-/-	Comp	ND < 0.0075	*
Chlorobenzene	ug/L	-/-	Grab	ND < 0.36	*
Chloroethane	ug/L	-/-	Grab	ND < 0.40	*
Chloromethane	ug/L	-/-	Grab	ND < 0.40	*
Chronic Toxicity	TUC	1.0/-	Comp	1.0	*
Chrysene	ug/L	-/-	Comp	ND < 11.8	*
cis-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.32	*
cis-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.22	*
Cyclohexane	ug/L	-/-	Grab	ND < 0.40	*
delta-BHC	ug/L	-/-	Comp	ND < 0.0033	*
Dibenzo(a,h)anthracene	ug/L	-/-	Comp	ND < 14.2	*
Dibromochloromethane	ug/L	-/-	Grab	ND < 0.40	*
Dieldrin	ug/L	-/-	Comp	ND < 0.0019	*
Diethylphthalate	ug/L	-/-	Comp	ND < 16.6	*
Dimethylphthalate	ug/L	-/-	Comp	ND < 11.8	*
Di-n-butylphthalate	ug/L	-/-	Comp	ND < 14.2	*
Di-n-octylphthalate	ug/L	-/-	Comp	ND < 16.6	*
Endosulfan I	ug/L	-/-	Comp	ND < 0.0028	*
Endosulfan II	ug/L	-/-	Comp	ND < 0.0019	*
Endosulfan sulfate	ug/L	-/-	Comp	ND < 0.0028	*
Endrin	ug/L	-/-	Comp	ND < 0.0019	*
Endrin aldehyde	ug/L	-/-	Comp	ND < 0.0019	*

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			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Fluoranthene	ug/L	-/-	Comp	ND < 14.2	*
Fluorene	ug/L	-/-	Comp	ND < 14.2	*
Heptachlor	ug/L	-/-	Comp	ND < 0.0028	*
Heptachlor epoxide	ug/L	-/-	Comp	ND < 0.0024	*
Hexachlorobenzene	ug/L	-/-	Comp	ND < 14.2	*
Hexachlorobutadiene	ug/L	-/-	Comp	ND < 19.0	*
Hexachlorocyclopentadiene	ug/L	-/-	Comp	ND < 23.7	*
Hexachloroethane	ug/L	-/-	Comp	ND < 16.6	*
Hydrazine	ug/L	-/-	Comp	ND < 0.439	UJ (H)
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	Comp	ND < 1.13	UJ (H)
Indeno(1,2,3-cd)pyrene	ug/L	-/-	Comp	ND < 16.6	*
Isophorone	ug/L	-/-	Comp	ND < 14.2	*
Lindane (gamma-BHC)	ug/L	-/-	Comp	ND < 0.0028	*
Methylene Chloride	ug/L	-/-	Grab	ND < 0.95	*
Monomethyl Hydrazine	ug/L	-/-	Comp	ND < 1.77	UJ (H)
Naphthalene	ug/L	-/-	Comp	ND < 14.2	*
Nitrobenzene	ug/L	-/-	Comp	ND < 14.2	*
n-Nitrosodimethylamine	ug/L	16/8.1	Comp	ND < 11.8	*
n-Nitroso-di-n-propylamine	ug/L	-/-	Comp	ND < 16.6	*
n-Nitrosodiphenylamine	ug/L	-/-	Comp	ND < 9.48	*
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 16.6	*
Phenanthrene	ug/L	-/-	Comp	ND < 16.6	*
Phenol	ug/L	-/-	Comp	ND < 9.48	*
Pyrene	ug/L	-/-	Comp	ND < 19.0	*
Toxaphene	ug/L	-/-	Comp	ND < 0.24	*
trans-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.30	*
trans-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.32	*

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			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	0.280	J,DX* (DNQ)
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	ND < 0.50	*
Chloride	mg/L	150/-	Comp	37	*
Dissolved Oxygen	mg/L	-/-	Grab	4.89	*
E. Coli	MPN/100mL	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100mL	-/-	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	ANR	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.19	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.080	*
Nitrite-N	mg/L	-/-	Comp	ND < 0.11	*
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.95	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.1	*
Total Settleable Solids	ml/L	0.3/0.1	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	190	*
Temperature	deg. F	86/-	Grab	53	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 3.0	*
Total Dissolved Solids	mg/L	950/-	Comp	410	*
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Hardness	mg/L	-/-	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	Comp	ND < 0.75	*
Total Suspended Solids	mg/L	45/15	Comp	ND < 10	*
Turbidity	NTU	-/-	Comp	0.050	J (C, DNQ)
Volume Discharged	MGD	160/-	Meas	0.030211	*
<b>METALS</b>					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR
Cadmium	ug/L	3.1/2.0	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Chromium	ug/L	16/8	ANR	ANR	ANR

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			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	-/-	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/7.1	Comp	2.1	*
Copper, dissolved	ug/L	-/-	Comp	0.78	*
Iron	mg/L	0.3/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	Comp	ND < 0.20	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/35	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	8.2/4.1	Comp	0.72	J,DX* (DNQ)
Selenium, dissolved	ug/L	-/-	Comp	0.88	J,DX* (DNQ)
Silver	ug/L	4.1/2.0	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	119/54	Comp	ND < 6.0	U
Zinc, Dissolved	ug/L	-/-	Comp	6.4	J (DNQ)
<b>ORGANICS</b>					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/3.2	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*

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			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*
<b>TPH</b>					
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR
<b>ADDITIONAL ANALYTES</b>					
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/6.5	Comp	ND < 0.0952	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/9.1	Comp	ND < 0.190	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR

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

**OUTFALL 019 (Treatment System)**

**FIRST QUARTER 2012 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**January 1 through March 31, 2012**

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	03/29/2012-03/30/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,l)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.62	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.32	*
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR



**OUTFALL 019 (Treatment System)**

**FIRST QUARTER 2012 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	03/29/2012-03/30/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Hydrazine	ug/L	-/-	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/8.1	Comp	ND < 0.0952	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.381	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

**Outfall 019 (Treatment System)**

**FIRST QUARTER 2012 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Type Composite  
Sample Date February 28-29, 2012**

<b>ANALYTE</b>	<b>LAB LOD (ug/L)</b>	<b>LAB RL (ug/L)</b>	<b>LAB RESULT (ug/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) (ug/L)</b>
1,2,3,4,6,7,8-HpCDD	1.70E-06	5.00E-05	ND	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	9.60E-07	5.00E-05	ND	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1.50E-06	5.00E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	6.50E-07	5.00E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	5.50E-07	5.00E-05	ND	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	5.90E-07	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	5.10E-07	5.00E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	5.40E-07	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	7.20E-07	5.00E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1.70E-06	5.00E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	1.30E-06	5.00E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	5.40E-07	5.00E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1.40E-06	5.00E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1.20E-06	1.00E-05	ND	U	1	1	ND
2,3,7,8-TCDF	6.90E-07	1.00E-05	ND	U	0.1	0.8	ND
OCDD	2.00E-06	1.00E-04	ND	U (B)	0.0001	0.01	ND
OCDF	2.90E-06	1.00E-04	ND	U (B)	0.0001	0.02	ND

<b>TCDD TEQ w/out DNQ Values</b>	<b>ND</b>
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**TCDD TEQ PERMIT LIMIT = 2.80E-08**

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

**Outfall 019 (Treatment System)**

**FIRST QUARTER 2012 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Type Composite  
Sample Date March 29-30, 2012**

<b>ANALYTE</b>	<b>LAB LOD (ug/L)</b>	<b>LAB RL (ug/L)</b>	<b>LAB RESULT (ug/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) (ug/L)</b>
1,2,3,4,6,7,8-HpCDD	1.00E-06	5.00E-05	ND	U	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	8.10E-07	5.00E-05	ND	U	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1.40E-06	5.00E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1.10E-06	5.00E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	4.70E-07	5.00E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1.00E-06	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	4.40E-07	5.00E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	9.60E-07	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	6.60E-07	5.00E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	1.80E-06	5.00E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	1.50E-06	5.00E-05	ND	UJ (*III)	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	4.50E-07	5.00E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1.90E-06	5.00E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	8.80E-07	1.00E-05	ND	U	1	1	ND
2,3,7,8-TCDF	8.80E-07	1.30E-05	ND	U (B)	0.1	0.8	ND
OCDD	1.90E-06	1.00E-04	ND	U (B)	0.0001	0.01	ND
OCDF	2.10E-06	1.00E-04	ND	U	0.0001	0.02	ND

<b>TCDD TEQ w/out DNQ Values</b>	<b>ND</b>
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**TCDD TEQ PERMIT LIMIT = 2.80E-08**

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

## OUTFALL 019 (Treatment System)

### FIRST QUARTER 2012 REPORTING SUMMARY THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

January 1 through March 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	02/28/2012-02/29/2012			03/29/2012-03/30/2012		
			Sample Type	Result	Concentration Result Validation Qualifier	Sample Type	Result	Concentration Result Validation Qualifier
Max Discharge for event	MGD	160	Meas	0.04717		Meas	0.03021	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	0.11	J,DX* (DNQ)	Comp	0.07	J,DX* (DNQ)
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Comp	ND	*	Comp	ND	*
Chloride	LBS/DAY	200,160/-	Comp	17.31	*	Comp	9.32	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*	Comp	ND	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.05	*	Comp	ND	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/13,344	Grab	ND	*	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	UJ (C)	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	62.95	*	Comp	47.87	*
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	224.26	*	Comp	103.30	*
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	ND	*	Comp	ND	*
Antimony	LBS/DAY	8.0/-	Comp	ND	*	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	Comp	ND	U (B)	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	Comp	0.01	--	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	Comp	ND	U	ANR	ANR	ANR
Cadmium	LBS/DAY	4.1/2.7	Comp	ND	*	Comp	ND	*
Chromium VI	LBS/DAY	22/11	Comp	ND	*	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	Comp	0.0004	J,DX* (DNQ)	Comp	0.001	*
Iron	LBS/DAY	400/-	Comp	ND	U	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	Comp	ND	*	Comp	ND	*
Manganese	LBS/DAY	66.7/-	Comp	ND	U	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U	Comp	ND	U
Nickel	LBS/DAY	128/47	Comp	ND	U	ANR	ANR	ANR

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

**OUTFALL 019 (Treatment System)**

**FIRST QUARTER 2012 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**January 1 through March 31, 2012**

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	02/28/2012-02/29/2012			03/29/2012-03/30/2012		
			Sample Type	Result	Concentration Result Validation Qualifier	Sample Type	Result	Concentration Result Validation Qualifier
Selenium	LBS/DAY	11/5.5	Comp	ND	*	Comp	0.0002	J,DX* (DNQ)
Silver	LBS/DAY	5.5/2.7	Comp	ND	U	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	Comp	ND	*	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	Comp	ND	U (B)	Comp	ND	U
1,1-Dichloroethene	LBS/DAY	8.0/4.3	Grab	ND	*	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	Comp	ND	*	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	Comp	ND	*	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	*	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	*	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	*	Comp	ND	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	Grab	0.00	*	ANR	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--	Comp	ND	--

**ARROYO SIMI (Frontier Park Receiving Water)**

**FIRST QUARTER 2012 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	3/8/2012			3/17/2012			3/27/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
pH (Field)	pH Units	6.5-8.5/-	Grab	7.7	*	ANR	ANR	ANR	ANR	ANR	ANR
Temperature	F	-/-	Grab	63	*	ANR	ANR	ANR	ANR	ANR	ANR
Hardness	mg/L	-/-	Grab	800	--	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	Grab	62	--	ANR	ANR	ANR	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	Grab	300	--	Grab	>=1600	--	Grab	1600	--
Fecal Coliform	MPN/100 ml	400/-	Grab	300	*	Grab	>=1600	--	Grab	1600	--
Water Velocity	ft/sec	-/-	Meas	0.017	*	ANR	ANR	ANR	ANR	ANR	ANR
Calcium	mg/L	-/-	Grab	210	--	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium	mg/L	-/-	Grab	66	--	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	0.0014/-	Grab	ND < 0.0038	*	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	0.001/-	Grab	ND < 0.0028	*	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	0.001/-	Grab	ND < 0.0038	*	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	0.0003/-	Grab	ND < 0.24	*	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	0.0003/-	Grab	ND < 0.24	*	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	0.0003/-	Grab	ND < 0.24	*	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	0.0003/-	Grab	ND < 0.24	*	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	0.0003/-	Grab	ND < 0.24	*	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	0.0003/-	Grab	ND < 0.24	*	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	0.0003/-	Grab	ND < 0.24	*	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	0.001/-	Grab	ND < 0.0075	*	ANR	ANR	ANR	ANR	ANR	ANR
Chlorpyrifos	ug/L	0.02/-	Grab	ND < 0.080	*	ANR	ANR	ANR	ANR	ANR	ANR
Diazinon	ug/L	0.16/-	Grab	ND < 0.040	*	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	0.0002/-	Grab	ND < 0.0019	*	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	0.0003/-	Grab	ND < 0.24	*	ANR	ANR	ANR	ANR	ANR	ANR

**Arroyo Simi (Frontier Park Receiving Water)**

**FIRST QUARTER 2012 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Type Grab  
Sample Date March 8, 2012**

<b>ANALYTE</b>	<b>LAB LOD (ug/L)</b>	<b>LAB RL (ug/L)</b>	<b>LAB RESULT (ug/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) (ug/L)</b>
1,2,3,4,6,7,8-HpCDD	2.30E-06	5.00E-05	ND	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	2.00E-06	5.00E-05	ND	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	3.20E-06	5.00E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	2.30E-06	5.00E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1.50E-06	5.00E-05	ND	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1.90E-06	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1.30E-06	5.00E-05	ND	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1.80E-06	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1.90E-06	5.00E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	3.70E-06	5.00E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	5.10E-06	5.00E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1.40E-06	5.00E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	5.80E-06	5.00E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	2.70E-06	1.00E-05	ND	U	1	1	ND
2,3,7,8-TCDF	4.40E-06	1.00E-05	ND	U	0.1	0.8	ND
OCDD	5.10E-06	1.00E-04	ND	U (B)	0.0001	0.01	ND
OCDF	4.70E-06	1.00E-04	ND	U (B)	0.0001	0.02	ND
<b>TCDD TEQ w/out DNQ Values</b>							<b>ND</b>

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

**ARROYO SIMI SEDIMENT (Frontier Park Receiving Water)**

**FIRST QUARTER 2012 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	2/23/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Water Velocity	ft/sec	-/-	Meas	0.03	*
Ammonia as Nitrogen (N)	mg/Kg	-/-	Grab	2.92	J (DNQ)
Dissolved Oxygen	mg/L	-/-	Grab	13.11	*
pH (Field)	pH Units	-/-	Grab	7.5	*
Temperature	F	-/-	Grab	64	*
Conductivity (Field)	umhos/cm	-/-	Grab	2070	*
Total Organic Carbon	mg/Kg	-/-	Grab	ND < 1700	*
Percent Moisture	%	-/-	Grab	21	*
4,4'-DDD	ug/Kg	14/-	Grab	ND < 3.0	*
4,4'-DDE	ug/Kg	170/-	Grab	ND < 3.0	*
4,4'-DDT	ug/Kg	25/-	Grab	ND < 3.0	*
Aroclor-1016	ug/Kg	25700/-	Grab	ND < 24	*
Aroclor-1221	ug/Kg	25700/-	Grab	ND < 24	*
Aroclor-1232	ug/Kg	25700/-	Grab	ND < 24	*
Aroclor-1242	ug/Kg	25700/-	Grab	ND < 24	*
Aroclor-1248	ug/Kg	25700/-	Grab	ND < 24	*
Aroclor-1254	ug/Kg	25700/-	Grab	ND < 24	*
Aroclor-1260	ug/Kg	25700/-	Grab	ND < 24	*
Chlordane	ug/Kg	3.3/-	Grab	ND < 20	*
Dieldrin	ug/Kg	1.1/-	Grab	ND < 3.0	*
Toxaphene	ug/Kg	230/-	Grab	ND < 99	*
Sediment toxicity	%	-/-	Grab	100	*
Bivalve Embryo toxicity	%	-/-	Grab	100	*
<b>PARTICLE SIZE DISTRIBUTION</b>					
Gravel	%	-/-	Grab	0	*
Coarse Sand	%	-/-	Grab	0	*
Medium Sand	%	-/-	Grab	13.40	*
Fine Sand	%	-/-	Grab	32.67	*
Silt/Clay	%	-/-	Grab	53.93	*