

SECTION 6

OUTFALL 019 (GETS)
ANNUAL 2012 REPORTING SUMMARY

OUTFALL 019 (Treatment System)

ANNUAL 2012 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 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	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	0.280	J,DX* (DNQ)	Comp	0.280	J,DX* (DNQ)
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	ND < 0.50	*	Comp	ND < 0.50	*
Chloride	mg/L	150/-	Comp	44	*	Comp	37	*
Dissolved Oxygen	mg/L	-/-	Grab	3.69	*	Grab	4.89	*
E. Coli	MPN/100mL	-/-	Grab	ND < 2.0	*	ANR	ANR	ANR
Fecal Coliform	MPN/100mL	-/-	Grab	0.00	*	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	830	--	ANR	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.19	*	Comp	ND < 0.19	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.13	*	Comp	ND < 0.080	*
Nitrite as Nitrogen (N)	mg/L	-/-	Comp	ND < 0.11	*	Comp	ND < 0.11	*
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.95	UJ (C)	Comp	ND < 0.95	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.3	*	Grab	7.1	*
Total Settleable Solids	ml/L	0.3/0.1	Grab	ND < 0.10	*	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	160	*	Comp	190	*
Temperature	deg. F	86/-	Grab	63	*	Grab	53	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 3.0	*	Comp	ND < 3.0	*
Total Dissolved Solids	mg/L	950/-	Comp	570	*	Comp	410	*
Hardness	mg/L	-/-	Comp	350	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	Comp	330	ANR	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	Comp	1.5	J (B)	Comp	ND < 0.75	*
Total Residual Chlorine (Field)	mg/L	0.1/-	Grab	0.0	*	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	Comp	ND < 10	*	Comp	ND < 10	*
Turbidity	NTU	-/-	Comp	0.090	J (DNQ)	Comp	0.050	J (C, DNQ)
Volume Discharged	MGD	160/-	Meas	0.047174	*	Meas	0.030211	*
METALS								
Antimony	ug/L	6.0/-	Comp	ND < 0.30	*	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	Comp	ND < 0.30	*	ANR	ANR	ANR
Arsenic	ug/L	10/-	Comp	ND < 10	U (B)	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	Comp	ND < 7.0	U	ANR	ANR	ANR
Barium	mg/L	1.0/-	Comp	0.026	--	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	Comp	0.025	--	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	Comp	ND < 0.90	U	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	Comp	ND < 0.90	U	ANR	ANR	ANR
Boron	mg/L	-/-	Comp	ND < 0.020	U	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Comp	ND < 0.050	U (B)	ANR	ANR	ANR
Cadmium	ug/L	3.1/2.0	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Calcium	mg/L	-/-	Comp	100	--	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	Comp	94	J (L)	ANR	ANR	ANR
Chromium	ug/L	16/8	Comp	2.3	J (DNQ)	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	Comp	ND < 2.0	U	ANR	ANR	ANR
Chromium VI	ug/L	16/8	Comp	ND < 0.25	*	ANR	ANR	ANR
Cobalt	ug/L	-/-	Comp	ND < 2.0	U	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	Comp	ND < 2.0	U	ANR	ANR	ANR
Copper	ug/L	14/7.1	Comp	1.0	J,DX* (DNQ)	Comp	2.1	*
Copper, dissolved	ug/L	-/-	Comp	1.4	J,DX* (DNQ)	Comp	0.78	*
Iron	mg/L	0.3/-	Comp	ND < 0.015	U	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	Comp	ND < 0.015	U	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	Comp	24	--	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	Comp	24	--	ANR	ANR	ANR
Manganese	ug/L	50/-	Comp	ND < 7.0	U	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	Comp	ND < 7.0	U	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	0.23	--	Comp	ND < 0.10	U
Nickel	ug/L	96/35	Comp	ND < 2.0	U	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	Comp	2.1	J (DNQ)	ANR	ANR	ANR
Selenium	ug/L	8.2/4.1	Comp	ND < 0.50	*	Comp	0.72	J,DX* (DNQ)
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*	Comp	0.88	J,DX* (DNQ)

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			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Silver	ug/L	4.1/2.0	Comp	ND < 6.0	U	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	Comp	ND < 6.0	U	ANR	ANR	ANR
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*	ANR	ANR	ANR
Vanadium	ug/L	-/-	Comp	ND < 3.0	U	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	Comp	ND < 3.0	U	ANR	ANR	ANR
Zinc	ug/L	119/54	Comp	ND < 20	U (B)	Comp	ND < 6.0	U
Zinc, Dissolved	ug/L	-/-	Comp	ND < 20	U (B)	Comp	6.4	J (DNQ)
ORGANICS								
Benzene	ug/L	-/-	Grab	ND < 0.28	*	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	Grab	ND < 0.28	*	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/3.2	Grab	ND < 0.42	*	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	Comp	ND < 1.0	*	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*	Grab	ND < 0.40	*
TPH								
DRO (C13 - C28)	mg/L	-/-	Grab	ND < 0.096	*	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	Grab	ND < 0.025	*	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	Grab	ND < 1.1	*	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	Grab	ND < 0.30	*	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	Comp	ND < 11.8	*	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.32	*	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	Grab	ND < 0.35	*	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	Comp	ND < 11.8	*	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.35	*	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.37	*	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	Comp	ND < 11.8	*	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/6.5	Comp	ND < 21.3	*	Comp	ND < 0.0952	*
2,4-Dichlorophenol	ug/L	-/-	Comp	ND < 16.6	*	ANR	ANR	ANR
2,4-dimethylphenol	ug/L	-/-	Comp	ND < 16.6	*	ANR	ANR	ANR
2,4-dinitrophenol	ug/L	-/-	Comp	ND < 37.9	*	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/9.1	Comp	ND < 16.6	*	Comp	ND < 0.190	*
2,6-Dinitrotoluene	ug/L	-/-	Comp	ND < 9.48	*	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	Grab	ND < 1.8	*	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
2-chlorophenol	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	Comp	ND < 19.0	*	ANR	ANR	ANR
2-nitrophenol	ug/L	-/-	Comp	ND < 16.6	*	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	Comp	ND < 35.5	*	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	Comp	ND < 0.0038	*	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	Comp	ND < 0.0028	*	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	Comp	ND < 0.0038	*	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	Comp	ND < 11.8	*	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	Comp	ND < 11.8	*	ANR	ANR	ANR
4-nitrophenol	ug/L	-/-	Comp	ND < 26.1	*	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
Acrolein	ug/L	-/-	Grab	ND < 4.0	*	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	Grab	ND < 1.2	*	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	Comp	100	*	ANR	ANR	ANR

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Aldrin	ug/L	-/-	Comp	ND < 0.0014	*	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	Comp	ND < 11.8	*	ANR	ANR	ANR
Aroclor 1016	ug/L	-/-	Comp	ND < 0.24	*	ANR	ANR	ANR
Aroclor 1221	ug/L	-/-	Comp	ND < 0.24	*	ANR	ANR	ANR
Aroclor 1232	ug/L	-/-	Comp	ND < 0.24	*	ANR	ANR	ANR
Aroclor 1242	ug/L	-/-	Comp	ND < 0.24	*	ANR	ANR	ANR
Aroclor 1248	ug/L	-/-	Comp	ND < 0.24	*	ANR	ANR	ANR
Aroclor 1254	ug/L	-/-	Comp	ND < 0.24	*	ANR	ANR	ANR
Aroclor 1260	ug/L	-/-	Comp	ND < 0.24	*	ANR	ANR	ANR
Benzidine	ug/L	-/-	Comp	ND < 47.4	LQ*	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	Comp	ND < 11.8	*	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	Comp	ND < 9.48	*	ANR	ANR	ANR
Benzo(g,h,i)Perylene	ug/L	-/-	Comp	ND < 19.0	*	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	Comp	ND < 11.8	*	ANR	ANR	ANR
beta-BHC	ug/L	-/-	Comp	ND < 0.0038	*	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 19.0	*	Comp	ND < 1.62	*
Bis(2-Chloroethoxy) methane	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
Bis(2-Chloroisopropyl) Ether	ug/L	-/-	Comp	ND < 11.8	*	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	Grab	ND < 0.30	*	ANR	ANR	ANR
Bromoform	ug/L	-/-	Grab	ND < 0.40	*	ANR	ANR	ANR
Bromomethane	ug/L	-/-	Grab	ND < 0.42	*	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	Comp	ND < 19.0	*	ANR	ANR	ANR
Chlordane	ug/L	-/-	Comp	ND < 0.0075	*	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	Grab	ND < 0.36	*	ANR	ANR	ANR
Chloroethane	ug/L	-/-	Grab	ND < 0.40	*	ANR	ANR	ANR
Chloromethane	ug/L	-/-	Grab	ND < 0.40	*	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	Comp	1.0	*	ANR	ANR	ANR
Chrysene	ug/L	-/-	Comp	ND < 11.8	*	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.32	*	Grab	ND < 0.32	*
cis-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.22	*	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	Grab	ND < 0.40	*	ANR	ANR	ANR
delta-BHC	ug/L	-/-	Comp	ND < 0.0033	*	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	Grab	ND < 0.40	*	ANR	ANR	ANR
Dieldrin	ug/L	-/-	Comp	ND < 0.0019	*	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	Comp	ND < 16.6	*	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	Comp	ND < 11.8	*	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	Comp	ND < 16.6	*	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	Comp	ND < 0.0028	*	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	Comp	ND < 0.0019	*	ANR	ANR	ANR
Endosulfan Sulfate	ug/L	-/-	Comp	ND < 0.0028	*	ANR	ANR	ANR
Endrin	ug/L	-/-	Comp	ND < 0.0019	*	ANR	ANR	ANR
Endrin Aldehyde	ug/L	-/-	Comp	ND < 0.0019	*	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
Fluorene	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
Heptachlor	ug/L	-/-	Comp	ND < 0.0028	*	ANR	ANR	ANR
Heptachlor Epoxide	ug/L	-/-	Comp	ND < 0.0024	*	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	Comp	ND < 19.0	*	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	Comp	ND < 23.7	*	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	Comp	ND < 16.6	*	ANR	ANR	ANR
Hydrazine	ug/L	-/-	Comp	ND < 0.439	UJ (H)	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	Comp	ND < 1.13	UJ (H)	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	Comp	ND < 16.6	*	ANR	ANR	ANR
Isophorone	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	Comp	ND < 0.0028	*	ANR	ANR	ANR
Methylene chloride	ug/L	-/-	Grab	ND < 0.95	*	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	Comp	ND < 1.77	UJ (H)	ANR	ANR	ANR
Naphthalene	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	Comp	ND < 14.2	*	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/8.1	Comp	ND < 11.8	*	Comp	ND < 0.0952	*

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n-Nitroso-di-n-propylamine	ug/L	-/-	Comp	ND < 16.6	*	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-/-	Comp	ND < 9.48	*	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 16.6	*	Comp	ND < 0.381	*
Phenanthrene	ug/L	-/-	Comp	ND < 16.6	*	ANR	ANR	ANR
Phenol	ug/L	-/-	Comp	ND < 9.48	*	ANR	ANR	ANR
Pyrene	ug/L	-/-	Comp	ND < 19.0	*	ANR	ANR	ANR
Toxaphene	ug/L	-/-	Comp	ND < 0.24	*	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.30	*	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.32	*	ANR	ANR	ANR

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Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	0.560	--	Comp	ND < 0.157	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	ND < 0.50	U	Comp	ND < 0.50	*
Chloride	mg/L	150/-	Comp	31	--	Comp	24	*
Dissolved Oxygen	mg/L	-/-	Grab	4.31	*	Grab	4.35	*
E. Coli	MPN/100mL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fecal Coliform	MPN/100mL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	1100	--	ANR	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	UJ (H)	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	Comp	0.19	--	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.19	U	Comp	ND < 0.19	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.080	U	Comp	0.17	*
Nitrite as Nitrogen (N)	mg/L	-/-	Comp	ND < 0.11	U	Comp	ND < 0.11	*
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	U	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.95	U	Comp	0.96	J (DNQ)
pH (Field)	pH units	6.5-8.5/-	Grab	7.5	*	Grab	7.2	*
Total Settleable Solids	ml/L	0.3/0.1	Grab	ND < 0.10	U	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	150	--	Comp	180	*
Temperature	deg. F	86/-	Grab	57	*	Grab	57	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 3.0	U	Comp	ND < 3.0	*
Total Dissolved Solids	mg/L	950/-	Comp	520	--	Comp	540	*
Hardness	mg/L	-/-	Comp	320	--	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	Comp	300	--	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	Comp	1.3	J+ (Q)	Comp	ND < 3.3	UJ (B)
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	Comp	ND < 10	U	Comp	ND < 10	*
Turbidity	NTU	-/-	Comp	0.070	J- (R, DNQ)	Comp	0.22	--
Volume Discharged	MGD	160/-	Meas	0.02885	*	Meas	0.02905	*
METALS								
Antimony	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	3.1/2.0	Comp	ND < 0.10	U	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium	ug/L	16/8	ANR	ANR	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium VI	ug/L	16/8	ANR	ANR	ANR	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/7.1	Comp	ND < 2.0	U (B)	Comp	1.1	J,DX* (DNQ)
Copper, dissolved	ug/L	-/-	Comp	ND < 0.50	U	Comp	0.60	J,DX* (DNQ)
Iron	mg/L	0.3/-	ANR	ANR	ANR	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	Comp	ND < 0.20	U	Comp	ND < 0.20	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	U	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR	ANR	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Nickel	ug/L	96/35	ANR	ANR	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	8.2/4.1	Comp	ND < 0.50	U	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	U	Comp	1.1	*

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SANTA SUSANA FIELD LABORATORY
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	04/04/2012-04/05/2012			05/02/2012-05/03/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Silver	ug/L	4.1/2.0	ANR	ANR	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR	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	119/54	Comp	ND < 6.0	U	Comp	ND < 6.0	U
Zinc, Dissolved	ug/L	-/-	Comp	ND < 6.0	U	Comp	ND < 6.0	U
ORGANICS								
Benzene	ug/L	-/-	Grab	ND < 0.28	U	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	U	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	U	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	U	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	Grab	ND < 0.28	U	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/3.2	Grab	ND < 0.42	U	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	U	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	U	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	U	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	U	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	U	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	U	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	U	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	U	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	U	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	U	Grab	ND < 0.40	*
TPH								
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
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-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	13/6.5	Comp	ND < 0.0943	U	Comp	ND < 0.0948	*
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	18/9.1	Comp	ND < 0.189	U	Comp	ND < 0.190	*
2,6-Dinitrotoluene	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
2-chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	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-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/-	Comp	100	*	ANR	ANR	ANR

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			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	U	Comp	ND < 0.0024	*
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
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	4.0/-	Comp	ND < 1.60	U	Comp	ND < 1.61	*
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
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
Chronic Toxicity	TUC	1.0/-	Comp	1.0	*	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.32	U	Grab	ND < 0.32	*
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	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
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
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
Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	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
Monomethyl Hydrazine	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	16/8.1	Comp	ND < 0.0943	U	Comp	ND < 0.0948	*

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			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.377	U	Comp	ND < 0.379	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	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

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	06/06/2012-06/07/2012			07/02/2012-07/03/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	0.280	J,DX* (DNQ)	Comp	0.280	J (DNQ)
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	ND < 0.50	*	Comp	4.1	--
Chloride	mg/L	150/-	Comp	46	*	Comp	34	*
Dissolved Oxygen	mg/L	-/-	Grab	7.23	*	Grab	7.52	*
E. Coli	MPN/100mL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fecal Coliform	MPN/100mL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	ANR	ANR	ANR	Grab	680	*
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.11	*	Comp	ND < 0.11	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.080	*	Comp	ND < 0.080	*
Nitrite as Nitrogen (N)	mg/L	-/-	Comp	ND < 0.11	*	Comp	ND < 0.11	*
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.95	U	Comp	ND < 0.95	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.3	*	Grab	7.0	*
Total Settleable Solids	ml/L	0.3/0.1	Grab	ND < 0.10	*	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	180	*	Comp	150	*
Temperature	deg. F	86/-	Grab	64	*	Grab	64	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 3.0	*	Comp	ND < 3.0	*
Total Dissolved Solids	mg/L	950/-	Comp	530	*	Comp	520	*
Hardness	mg/L	-/-	ANR	ANR	ANR	Comp	310	--
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	300	--
Total Organic Carbon	mg/L	-/-	Comp	ND < 0.75	*	Comp	0.95	J (DNQ)
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	Comp	ND < 10	*	Comp	ND < 10	*
Turbidity	NTU	-/-	Comp	0.080	J (DNQ)	Comp	0.060	J (DNQ)
Volume Discharged	MGD	160/-	Meas	0.02866	*	Meas	0.0287568	*
METALS								
Antimony	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	3.1/2.0	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium	ug/L	16/8	ANR	ANR	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium VI	ug/L	16/8	ANR	ANR	ANR	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/7.1	Comp	0.66	J,DX* (DNQ)	Comp	ND < 0.50	*
Copper, dissolved	ug/L	-/-	Comp	ND < 0.50	*	Comp	0.51	J,DX* (DNQ)
Iron	mg/L	0.3/-	ANR	ANR	ANR	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR	ANR	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Nickel	ug/L	96/35	ANR	ANR	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	8.2/4.1	Comp	ND < 0.50	*	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	0.60	J,DX* (DNQ)	Comp	ND < 0.50	*

OUTFALL 019 (Treatment System)

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	06/06/2012-06/07/2012			07/02/2012-07/03/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Silver	ug/L	4.1/2.0	ANR	ANR	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR	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	119/54	Comp	ND < 6.0	U	Comp	ND < 6.0	U
Zinc, Dissolved	ug/L	-/-	Comp	ND < 6.0	U	Comp	ND < 6.0	U
ORGANICS								
Benzene	ug/L	-/-	Grab	ND < 0.28	*	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	Grab	ND < 0.28	*	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/3.2	Grab	ND < 0.42	*	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*	Grab	ND < 0.40	*
TPH								
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
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-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	13/6.5	Comp	ND < 0.0943	*	Comp	ND < 0.0943	*
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	18/9.1	Comp	ND < 0.189	LR*	Comp	ND < 0.189	*
2,6-Dinitrotoluene	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
2-chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	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-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	Comp	100	*

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NPDES PERMIT CA0001309

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			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*	Comp	ND < 0.0024	*
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
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	4.0/-	Comp	ND < 1.60	LR*	Comp	ND < 1.60	*
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
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
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.32	*	Grab	ND < 0.32	*
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	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
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
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
Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	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
Monomethyl Hydrazine	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	16/8.1	Comp	ND < 0.0943	*	Comp	ND < 0.0943	BA* (BA)

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	06/06/2012-06/07/2012			07/02/2012-07/03/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.377	*	Comp	ND < 0.377	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	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

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SANTA SUSANA FIELD LABORATORY
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	7/10/2012			08/01/2012-08/02/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	ANR	ANR	ANR	Comp	ND < 0.157	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	ANR	ANR	ANR	Comp	ND < 0.50	*
Chloride	mg/L	150/-	ANR	ANR	ANR	Comp	36	*
Dissolved Oxygen	mg/L	-/-	ANR	ANR	ANR	Grab	4.46	*
E. Coli	MPN/100mL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fecal Coliform	MPN/100mL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	ANR	ANR	ANR	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	ANR	ANR	ANR	Comp	ND < 0.11	*
Nitrate as Nitrogen (N)	mg/L	8/-	ANR	ANR	ANR	Comp	ND < 0.080	*
Nitrite as Nitrogen (N)	mg/L	-/-	ANR	ANR	ANR	Comp	ND < 0.11	*
Oil & Grease	mg/L	15/10	ANR	ANR	ANR	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	Comp	ND < 0.95	U
pH (Field)	pH units	6.5-8.5/-	ANR	ANR	ANR	Grab	7.5	*
Total Settleable Solids	ml/L	0.3/0.1	ANR	ANR	ANR	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	ANR	ANR	ANR	Comp	160	*
Temperature	deg. F	86/-	ANR	ANR	ANR	Grab	74	*
Total Cyanide	ug/L	8.5/4.3	ANR	ANR	ANR	Comp	ND < 3.0	*
Total Dissolved Solids	mg/L	950/-	ANR	ANR	ANR	Comp	530	*
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR	Comp	0.90	J (Q, DNQ)
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	ANR	ANR	ANR	Comp	ND < 10	*
Turbidity	NTU	-/-	ANR	ANR	ANR	Comp	0.10	J (C)
Volume Discharged	MGD	160/-	Meas	0	*	Meas	0.0221616	*
METALS								
Antimony	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	3.1/2.0	ANR	ANR	ANR	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium	ug/L	16/8	ANR	ANR	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium VI	ug/L	16/8	ANR	ANR	ANR	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/7.1	ANR	ANR	ANR	Comp	ND < 0.50	*
Copper, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.50	*
Iron	mg/L	0.3/-	ANR	ANR	ANR	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	ANR	ANR	ANR	Comp	ND < 0.20	*
Lead, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR	ANR	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	ANR	ANR	ANR	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.10	U
Nickel	ug/L	96/35	ANR	ANR	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	8.2/4.1	ANR	ANR	ANR	Comp	0.96	J,DX* (DNQ)
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.50	*

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NPDES PERMIT CA0001309

January 1 through December 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	7/10/2012			08/01/2012-08/02/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Silver	ug/L	4.1/2.0	ANR	ANR	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR	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	119/54	ANR	ANR	ANR	Comp	ND < 6.0	U
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 6.0	U
ORGANICS								
Benzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/3.2	ANR	ANR	ANR	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.32	*
Toluene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	ANR	ANR	ANR	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	*
TPH								
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
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-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	13/6.5	ANR	ANR	ANR	Comp	ND < 0.0943	*
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	18/9.1	ANR	ANR	ANR	Comp	ND < 0.189	*
2,6-Dinitrotoluene	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
2-chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	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-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

OUTFALL 019 (Treatment System)

ANNUAL 2012 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	7/10/2012			08/01/2012-08/02/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	ANR	ANR	ANR	Comp	ND < 0.0024	*
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
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	4.0/-	ANR	ANR	ANR	Comp	ND < 1.60	*
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
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
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.32	*
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	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
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
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
Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	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
Monomethyl Hydrazine	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	16/8.1	ANR	ANR	ANR	Comp	ND < 0.0943	*

OUTFALL 019 (Treatment System)

ANNUAL 2012 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	7/10/2012			08/01/2012-08/02/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	ANR	ANR	ANR	Comp	ND < 0.377	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	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 019 (Treatment System)

**ANNUAL 2012 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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January 1 through December 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	09/05/2012-09/06/2012			10/03/2012-10/04/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	0.280	J,DX* (DNQ)	Comp	0.280	J,DX* (DNQ)
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	ND < 0.50	*	Comp	ND < 0.50	LQ*
Chloride	mg/L	150/-	Comp	35	*	Comp	36	*
Dissolved Oxygen	mg/L	-/-	Grab	4.42	*	Grab	3.59	*
E. Coli	MPN/100mL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fecal Coliform	MPN/100mL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	ANR	ANR	ANR	Grab	870	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.11	*	Comp	ND < 0.11	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.080	*	Comp	ND < 0.080	*
Nitrite as Nitrogen (N)	mg/L	-/-	Comp	ND < 0.11	*	Comp	ND < 0.11	*
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.95	U	Comp	ND < 0.95	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.3	*	Grab	7.3	*
Total Settleable Solids	ml/L	0.3/0.1	Grab	ND < 0.10	*	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	160	*	Comp	160	*
Temperature	deg. F	86/-	Grab	69	*	Grab	68	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 3.0	*	Comp	ND < 3.0	*
Total Dissolved Solids	mg/L	950/-	Comp	580	*	Comp	560	*
Hardness	mg/L	-/-	ANR	ANR	ANR	Comp	320	--
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	310	--
Total Organic Carbon	mg/L	-/-	Comp	ND < 0.75	*	Comp	ND < 0.75	*
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	Comp	ND < 10	*	Comp	ND < 10	*
Turbidity	NTU	-/-	Comp	0.15	U (B)	Comp	ND < 0.10	UJ (B, H)
Volume Discharged	MGD	160/-	Meas	0.029016	*	Meas	0.022365	*
METALS								
Antimony	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	3.1/2.0	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium	ug/L	16/8	ANR	ANR	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium VI	ug/L	16/8	ANR	ANR	ANR	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/7.1	Comp	ND < 0.50	*	Comp	1.1	J,DX* (DNQ)
Copper, dissolved	ug/L	-/-	Comp	ND < 0.50	*	Comp	ND < 0.50	*
Iron	mg/L	0.3/-	ANR	ANR	ANR	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR	ANR	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Nickel	ug/L	96/35	ANR	ANR	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	8.2/4.1	Comp	ND < 0.50	*	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*	Comp	ND < 0.50	*

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	09/05/2012-09/06/2012			10/03/2012-10/04/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Silver	ug/L	4.1/2.0	ANR	ANR	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR	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	119/54	Comp	ND < 6.0	*	Comp	ND < 6.0	U
Zinc, Dissolved	ug/L	-/-	Comp	ND < 6.0	*	Comp	ND < 6.0	U
ORGANICS								
Benzene	ug/L	-/-	Grab	ND < 0.28	*	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	Grab	ND < 0.28	*	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/3.2	Grab	ND < 0.42	*	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*	Grab	ND < 0.40	*
TPH								
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
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-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	13/6.5	Comp	ND < 0.0943	*	Comp	ND < 0.0948	BA*
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	18/9.1	Comp	ND < 0.189	*	Comp	ND < 0.190	LR BA*
2,6-Dinitrotoluene	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
2-chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	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-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	Comp	100	*

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	09/05/2012-09/06/2012			10/03/2012-10/04/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*	Comp	ND < 0.0024	*
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
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	4.0/-	Comp	ND < 1.60	*	Comp	ND < 1.61	LQ*
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
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
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.32	*	Grab	ND < 0.32	*
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	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
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
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
Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	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
Monomethyl Hydrazine	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	16/8.1	Comp	ND < 0.0943	*	Comp	ND < 0.0948	*

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	09/05/2012-09/06/2012			10/03/2012-10/04/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.377	*	Comp	ND < 0.379	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	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

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	11/01/2012-11/02/2012		
			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	35	*
Dissolved Oxygen	mg/L	-/-	Grab	3.20	*
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 < 0.11	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.080	*
Nitrite as Nitrogen (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	6.9	*
Total Settleable Solids	ml/L	0.3/0.1	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	150	*
Temperature	deg. F	86/-	Grab	60	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 3.0	*
Total Dissolved Solids	mg/L	950/-	Comp	560	*
Hardness	mg/L	-/-	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	Comp	ND < 0.75	*
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	Comp	ND < 10	*
Turbidity	NTU	-/-	Comp	0.10	*
Volume Discharged	MGD	160/-	Meas	0.014645	*
METALS					
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
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	16/8	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/7.1	Comp	0.59	J,DX* (DNQ)
Copper, dissolved	ug/L	-/-	Comp	ND < 0.50	*
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	UJ (C)
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	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*

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			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
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	ND < 6.0	U
ORGANICS					
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	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*
TPH					
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
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 < 0.0943	*
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 < 0.189	*
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

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	11/01/2012-11/02/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	0.0025	J,DX* (DNQ)
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
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	3.29	J,DX* (DNQ)
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
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 < 0.0943	BA*

OUTFALL 019 (Treatment System)

ANNUAL 2012 REPORTING SUMMARY
 THE BOEING COMPANY
 SANTA SUSANA FIELD LABORATORY
 NPDES PERMIT CA0001309

January 1 through December 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	11/01/2012-11/02/2012		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
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 < 0.377	*
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)
ANNUAL 2012 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

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

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
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

TCDD TEQ w/out DNQ Values	ND
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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)

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

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

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
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

TCDD TEQ w/out DNQ Values	ND
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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)

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

Sample Type Composite
Sample Date April 4-5, 2012

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1.40E-06	5.00E-05	ND	UJ (*III)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1.40E-06	5.00E-05	ND	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	2.50E-06	5.00E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1.60E-06	5.00E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	8.70E-07	5.00E-05	ND	UJ (*III)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1.50E-06	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	8.50E-07	5.00E-05	ND	UJ (*III)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1.40E-06	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1.30E-06	5.00E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	2.30E-06	5.00E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	2.10E-06	5.00E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	8.90E-07	5.00E-05	ND	UJ (*III)	0.1	0.7	ND
2,3,4,7,8-PeCDF	2.60E-06	5.00E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	2.30E-06	1.00E-05	ND	U	1	1	ND
2,3,7,8-TCDF	1.40E-06	1.00E-05	ND	U	0.1	0.8	ND
OCDD	2.10E-06	1.00E-04	ND	U (B)	0.0001	0.01	ND
OCDF	2.50E-06	1.00E-04	4.20E-06	J (DNQ)	0.0001	0.02	ND

TCDD TEQ w/out DNQ Values	ND
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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)

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

**Sample Type Composite
Sample Date May 2-3, 2012**

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	2.60E-06	4.70E-05	ND	U	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1.90E-06	4.70E-05	ND	U	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	3.00E-06	4.70E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	2.10E-06	4.70E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1.30E-06	4.70E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	2.20E-06	4.70E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1.30E-06	4.70E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	2.00E-06	4.70E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1.90E-06	4.70E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	2.20E-06	4.70E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	1.80E-06	4.70E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1.30E-06	4.70E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	1.70E-06	4.70E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	4.50E-06	9.40E-06	ND	U	1	1	ND
2,3,7,8-TCDF	3.10E-06	9.40E-06	ND	U	0.1	0.8	ND
OCDD	4.00E-06	9.40E-05	ND	U (B)	0.0001	0.01	ND
OCDF	3.20E-06	9.40E-05	ND	U	0.0001	0.02	ND

TCDD TEQ w/out DNQ Values	ND
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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)
ANNUAL 2012 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

**Sample Type Composite
Sample Date June 6-7, 2012**

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	6.70E-06	5.00E-05	ND	U	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1.40E-06	5.00E-05	ND	UJ (*III)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	2.30E-06	5.00E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	5.00E-06	5.00E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	6.50E-07	5.00E-05	ND	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	4.60E-06	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	5.80E-07	5.00E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	4.20E-06	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	8.30E-07	5.00E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	3.90E-06	5.00E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	2.00E-06	5.00E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	5.90E-07	5.00E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	2.40E-06	5.00E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	2.90E-06	1.00E-05	ND	U	1	1	ND
2,3,7,8-TCDF	1.70E-06	1.00E-05	ND	U	0.1	0.8	ND
OCDD	7.90E-06	1.00E-04	ND	U	0.0001	0.01	ND
OCDF	4.70E-06	1.00E-04	ND	U	0.0001	0.02	ND
TCDD TEQ w/out DNQ Values							ND

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)

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

**Sample Type Composite
Sample Date July 2-3, 2012**

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	2.70E-06	5.00E-05	ND	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	2.40E-06	5.00E-05	ND	UJ (*III)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	3.30E-06	5.00E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	2.60E-06	5.00E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	3.30E-06	5.00E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	2.40E-06	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	3.00E-06	5.00E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	2.20E-06	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	3.30E-06	5.00E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	5.20E-06	5.00E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	7.70E-06	5.00E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	2.90E-06	5.00E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	8.90E-06	5.00E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	3.60E-06	1.00E-05	ND	U	1	1	ND
2,3,7,8-TCDF	8.10E-06	1.00E-05	ND	U	0.1	0.8	ND
OCDD	6.10E-06	1.00E-04	ND	U (B)	0.0001	0.01	ND
OCDF	5.70E-06	1.00E-04	ND	U	0.0001	0.02	ND

TCDD TEQ w/out DNQ Values	ND
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See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

Outfall 019 (Treatment System)

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

**Sample Type Composite
Sample Date August 1-2, 2012**

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	2.70E-06	4.80E-05	ND	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	2.90E-06	4.80E-05	ND	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	3.80E-06	4.80E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	3.70E-06	4.80E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	6.00E-06	4.80E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	3.70E-06	4.80E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	5.80E-06	4.80E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	3.00E-06	4.80E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	6.60E-06	4.80E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	7.10E-06	4.80E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	9.40E-06	4.80E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	5.20E-06	4.80E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	9.90E-06	4.80E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	4.90E-06	9.60E-06	ND	U	1	1	ND
2,3,7,8-TCDF	9.30E-06	9.60E-06	ND	U	0.1	0.8	ND
OCDD	8.00E-06	9.60E-05	ND	U (B)	0.0001	0.01	ND
OCDF	5.20E-06	9.60E-05	ND	U (B)	0.0001	0.02	ND

TCDD TEQ w/out DNQ Values	ND
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See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

Outfall 019 (Treatment System)

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

**Sample Type Composite
Sample Date September 5-6, 2012**

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1.20E-06	5.00E-05	1.30E-05	J (DNQ)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	7.20E-07	5.00E-05	ND	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	9.90E-07	5.00E-05	ND	U (B)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	7.20E-07	5.00E-05	ND	UJ (*III)	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	7.80E-07	5.00E-05	ND	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	7.10E-07	5.00E-05	1.50E-06	J (DNQ)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	7.30E-07	5.00E-05	ND	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	6.20E-07	5.00E-05	ND	UJ (*III)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	6.60E-07	5.00E-05	ND	U (B)	0.1	0.6	ND
1,2,3,7,8-PeCDD	1.10E-06	5.00E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	6.60E-07	5.00E-05	2.00E-06	J (DNQ)	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	6.00E-07	5.00E-05	ND	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	6.80E-07	5.00E-05	1.10E-06	J (DNQ)	0.5	1.6	ND
2,3,7,8-TCDD	4.40E-07	1.00E-05	ND	U	1	1	ND
2,3,7,8-TCDF	1.00E-05	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1.70E-06	1.00E-04	1.70E-04	--	0.0001	0.01	1.70E-10
OCDF	9.80E-07	1.00E-04	ND	U (B)	0.0001	0.02	ND

TCDD TEQ w/out DNQ Values	1.70E-10
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See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

Outfall 019 (Treatment System)

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

**Sample Type Composite
Sample Date October 3-4, 2012**

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1.60E-06	5.00E-05	ND	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	1.60E-06	5.00E-05	ND	U	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1.90E-06	5.00E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1.20E-06	5.00E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	1.20E-06	5.00E-05	ND	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	1.10E-06	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	1.20E-06	5.00E-05	ND	U (B)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	1.00E-06	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	1.50E-06	5.00E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	3.60E-06	5.00E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	3.40E-06	5.00E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	1.20E-06	5.00E-05	ND	U (B)	0.1	0.7	ND
2,3,4,7,8-PeCDF	3.60E-06	5.00E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	1.90E-06	1.00E-05	ND	U	1	1	ND
2,3,7,8-TCDF	2.40E-06	1.00E-05	ND	U	0.1	0.8	ND
OCDD	2.40E-06	1.00E-04	ND	U (B)	0.0001	0.01	ND
OCDF	2.20E-06	1.00E-04	ND	U (B)	0.0001	0.02	ND

TCDD TEQ w/out DNQ Values	ND
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See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

Outfall 019 (Treatment System)

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

**Sample Type Compostie
Sample Date November 1-2, 2012**

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	7.70E-07	4.80E-05	ND	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	5.30E-07	4.80E-05	ND	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	1.00E-06	4.80E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	4.50E-07	4.80E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	2.70E-07	4.80E-05	ND	UJ (*III)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	4.50E-07	4.80E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	2.40E-07	4.80E-05	ND	UJ (*III)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	4.10E-07	4.80E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	3.50E-07	4.80E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	9.60E-07	4.80E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	6.40E-07	4.80E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	2.60E-07	4.80E-05	ND	UJ (*III)	0.1	0.7	ND
2,3,4,7,8-PeCDF	8.00E-07	4.80E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	5.20E-07	9.70E-06	ND	U	1	1	ND
2,3,7,8-TCDF	3.00E-07	9.70E-06	ND	U	0.1	0.8	ND
OCDD	1.80E-06	9.70E-05	ND	U (B)	0.0001	0.01	ND
OCDF	1.60E-06	9.70E-05	ND	U	0.0001	0.02	ND
TCDD TEQ w/out DNQ Values							ND

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

OUTFALL 019 (Treatment System)

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

January 1 through December 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	02/29/2012 (Comp)			03/30/2012 (Comp)		
			RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	0.091 ± 1.2	2.13	UJ (C)	-0.609 ± 0.48	1.2	UJ (C)
Gross Beta	pCi/L	50/-	2.6 ± 1.3	2.09	J (DNQ)	3.23 ± 1.1	1.58	J (DNQ)
Strontium-90	pCi/L	8.0/-	0.242 ± 0.45	0.958	U	0.357 ± 0.42	0.837	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.122 ± 0.37	0.945	U	0.239 ± 0.405	1.089	U
Tritium	pCi/L	20000/-	-57.9 ± 87	151	U	-10.5 ± 100	173	U
Potassium-40	pCi/L	-/-	1.26 ± 17	30.0	U	8.16	56.4	U*
Uranium, Total	pCi/L	20/-	1.22 ± 0.13	0.018	--	0.034 ± 0.010	0.021	J (DNQ)
Cesium 137	pCi/L	200/-	0.622 ± 0.66	1.54	U	-0.861 ± 1.7	2.99	U

OUTFALL 019 (Treatment System)

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

January 1 through December 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	04/05/2012 (Comp)			05/03/2012 (Comp)		
			RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	-0.11 ± 0.87	1.65	UJ (C)	0.13 ± 0.68	1.24	UJ (C)
Gross Beta	pCi/L	50/-	1.44 ± 1.3	2.03	U	2.15 ± 0.94	1.45	J (E, DNQ)
Strontium-90	pCi/L	8.0/-	0.04 ± 0.32	0.715	U	0.018 ± 0.41	0.957	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	-0.01 ± 0.35	0.97	U	-0.006 ± 0.358	0.996	U
Tritium	pCi/L	20000/-	61.3 ± 100	167	U	-104 ± 100	179	U
Potassium-40	pCi/L	-/-	-2.13 ± 15	27.1	U	9.67 ± 14	23.4	U
Uranium, Total	pCi/L	20/-	0.091 ± 0.013	0.02	J (DNQ)	0.018 ± 0.004	0.007	J (DNQ)
Cesium 137	pCi/L	200/-	0.346 ± 1.7	2.93	U	-0.662 ± 1.2	1.85	U

OUTFALL 019 (Treatment System)

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

January 1 through December 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	06/07/2012 (Comp)			07/10/2012 (Comp)		
			RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	-0.149 ± 0.73	1.44	UJ (C)	0.853 ± 0.79	1.33	UJ (C)
Gross Beta	pCi/L	50/-	1.54 ± 1.2	1.87	U	1.35 ± 1.3	2.1	U
Strontium-90	pCi/L	8.0/-	0.025 ± 0.36	0.726	U	0.131 ± 0.37	0.786	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.70 ± 0.41	0.98	U	0.35 ± 0.36	0.91	U
Tritium	pCi/L	20000/-	-4.64 ± 86	146	U	25.7 ± 110	180	U
Potassium-40	pCi/L	-/-	-7.29 ± 13	24	U	-8.61 ± 19	34.5	U
Uranium, Total	pCi/L	20/-	0.036 ± 0.008	0.016	J (DNQ)	0.117 ± 0.015	0.016	J (DNQ)
Cesium 137	pCi/L	200/-	-0.669 ± 1.5	2.66	U	-1.39 ± 1.7	2.98	U

OUTFALL 019 (Treatment System)

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

January 1 through December 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	08/02/2012 (Comp)			09/06/2012 (Comp)		
			RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	-0.162 ± 0.85	1.7	UJ (C)	0.749 ± 0.94	1.68	UJ (C)
Gross Beta	pCi/L	50/-	3.28 ± 1.6	2.49	J (DNQ)	1.62 ± 1.3	2.16	U
Strontium-90	pCi/L	8.0/-	0.046 ± 0.26	0.595	U	-0.096 ± 0.34	0.835	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.50 ± 0.36	0.94	U	0.28 ± 0.38	0.99	U
Tritium	pCi/L	20000/-	-50.4 ± 100	176	U	18.7 ± 87	147	U
Potassium-40	pCi/L	-/-	8.51 ± 19	32.8	U	-7.85 ± 15	26.8	U
Uranium, Total	pCi/L	20/-	0.132 ± 0.015	0.013	J (DNQ)	0.365 ± 0.041	0.014	--
Cesium 137	pCi/L	200/-	-1.32 ± 1.6	2.87	U	-0.762 ± 1.1	1.99	U

OUTFALL 019 (Treatment System)

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

January 1 through December 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	10/04/2012 (Comp)			11/02/2012 (Comp)		
			RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	0.523 ± 0.97	1.85	UJ (C)	0.938 ± 1.1	1.73	UJ (C)
Gross Beta	pCi/L	50/-	2.4 ± 1.5	2.45	U	2.24 ± 1.3	2.01	J (DNQ)
Strontium-90	pCi/L	8.0/-	0.111 ± 0.36	0.8	U	-0.05 ± 0.32	0.779	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.62 ± 0.48	1.46	U	0.44 ± 0.49	1.21	U
Tritium	pCi/L	20000/-	-121 ± 110	189	U	35.7 ± 100	173	U
Potassium-40	pCi/L	-/-	-2.53 ± 25	25.4	U	-4.98 ± 17	36.2	U
Uranium, Total	pCi/L	20/-	0.234 ± 0.028	0.021	J (DNQ, L)	0.591 ± 0.066	0.023	J (DNQ)
Cesium 137	pCi/L	200/-	0.533 ± 6.6	2.35	U	0.12 ± 0.77	1.3	U

OUTFALL 019 (Treatment System)

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

January 1 through December 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	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR	ANR	ANR	ANR
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 as Nitrogen (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 Residual Chlorine (Field)	LBS/DAY	133/-	Grab	0.00	*	ANR	ANR	ANR
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
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	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--	Comp	ND	--

OUTFALL 019 (Treatment System)

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

January 1 through December 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	04/04/2012-04/05/2012			05/02/2012-05/03/2012		
			Sample Type	Result	Concentration Result Validation Qualifier	Sample Type	Result	Concentration Result Validation Qualifier
Max Discharge for event	MGD	160	Meas	0.0289		Meas	0.0291	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	0.13	--	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Comp	ND	U	Comp	ND	*
Chloride	LBS/DAY	200,160/-	Comp	7.46	--	Comp	5.81	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	UJ (H)	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	Comp	0.05	--	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	U	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	U	Comp	0.04	*
Nitrite as Nitrogen (N)	LBS/DAY	1,334/-	Comp	ND	U	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/13,344	Grab	ND	U	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U	Comp	0.00	J (DNQ)
Sulfate	LBS/DAY	400,320/-	Comp	36.09	--	Comp	43.61	*
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	U	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	125.12	--	Comp	130.83	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	ND	U	Comp	ND	*
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	LBS/DAY	4.1/2.7	Comp	ND	U	Comp	ND	*
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	Comp	ND	U (B)	Comp	0.0003	J,DX* (DNQ)
Iron	LBS/DAY	400/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	Comp	ND	U	Comp	ND	*
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U	Comp	ND	U
Nickel	LBS/DAY	128/47	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	LBS/DAY	11/5.5	Comp	ND	U	Comp	ND	*
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	Comp	ND	U	Comp	ND	U
1,1-Dichloroethene	LBS/DAY	8.0/4.3	Grab	ND	U	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	U	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	Comp	ND	U	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	Comp	ND	U	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	U	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	U	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	U	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	U	Comp	ND	*
TCDD TEQ NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--	Comp	ND	--

OUTFALL 019 (Treatment System)

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

January 1 through December 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	06/06/2012-06/07/2012			07/02/2012-07/03/2012		
			Sample Type	Result	Concentration Result Validation Qualifier	Sample Type	Result	Concentration Result Validation Qualifier
Max Discharge for event	MGD	160	Meas	0.0287		Meas	0.028757	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	0.07	J,DX* (DNQ)	Comp	0.07	J (DNQ)
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Comp	ND	*	Comp	0.98	--
Chloride	LBS/DAY	200,160/-	Comp	11.00	*	Comp	8.15	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*	Comp	ND	*
Nitrite as Nitrogen (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	U	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	43.02	*	Comp	35.97	*
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	126.68	*	Comp	124.71	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	ND	*	Comp	ND	*
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	LBS/DAY	4.1/2.7	Comp	ND	*	Comp	ND	*
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	Comp	0.0002	J,DX* (DNQ)	Comp	ND	*
Iron	LBS/DAY	400/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	Comp	ND	*	Comp	ND	*
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U	Comp	ND	U
Nickel	LBS/DAY	128/47	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	LBS/DAY	11/5.5	Comp	ND	*	Comp	ND	*
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	Comp	ND	U	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	ANR	ANR	ANR	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	*	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	ANR	ANR	ANR	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	*	Comp	ND	BA* (BA)
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	*	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--	Comp	ND	--

OUTFALL 019 (Treatment System)

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

January 1 through December 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	08/01/2012-08/02/2012			09/05/2012-09/06/2012		
			Sample Type	Result	Concentration Result Validation Qualifier	Sample Type	Result	Concentration Result Validation Qualifier
Max Discharge for event	MGD	160	Meas	0.022162		Meas	0.02902	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	ND	*	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	6.65	*	Comp	8.47	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*	Comp	ND	*
Nitrite as Nitrogen (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	U	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	29.57	*	Comp	38.72	*
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	97.96	*	Comp	140.36	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	ND	*	Comp	ND	*
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	LBS/DAY	4.1/2.7	Comp	ND	*	Comp	ND	*
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	Comp	ND	*	Comp	ND	*
Iron	LBS/DAY	400/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	Comp	ND	*	Comp	ND	*
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U	Comp	ND	U
Nickel	LBS/DAY	128/47	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	LBS/DAY	11/5.5	Comp	0.0002	J,DX* (DNQ)	Comp	ND	*
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	Comp	ND	U	Comp	ND	*
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	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--	Comp	4.11E-14	--

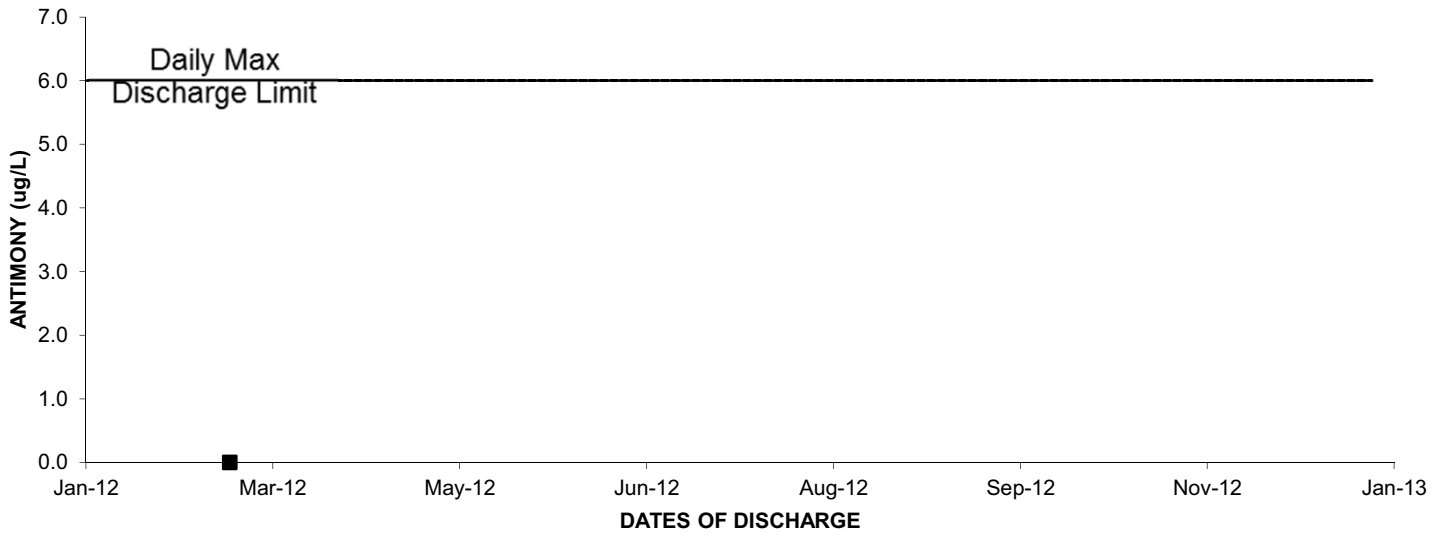
OUTFALL 019 (Treatment System)

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

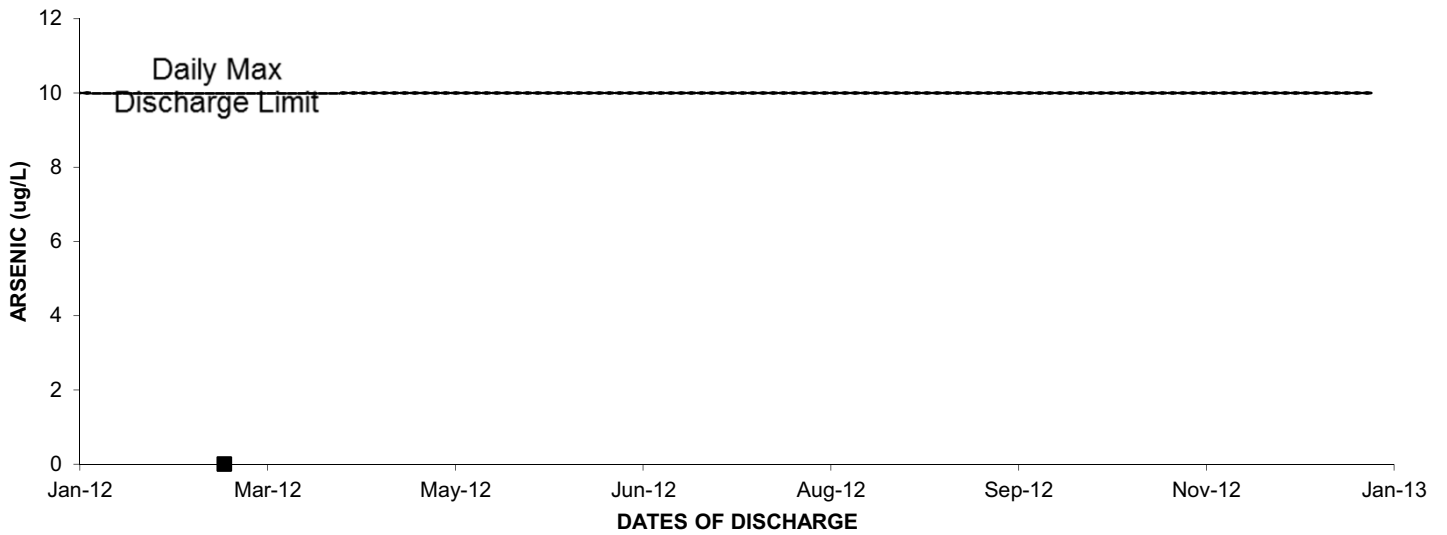
January 1 through December 31, 2012

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	10/03/2012-10/04/2012			11/01/2012-11/02/2012		
			Sample Type	Result	Concentration Result Validation Qualifier	Sample Type	Result	Concentration Result Validation Qualifier
Max Discharge for event	MGD	160	Meas	0.02237		Meas	0.014645	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	0.05	J,DX* (DNQ)	Comp	0.03	J,DX* (DNQ)
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Comp	ND	LQ*	Comp	ND	*
Chloride	LBS/DAY	200,160/-	Comp	6.71	*	Comp	4.27	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*	Comp	ND	*
Nitrite as Nitrogen (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	U	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	29.84	*	Comp	18.32	*
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	104.45	*	Comp	68.40	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	ND	*	Comp	ND	*
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	LBS/DAY	4.1/2.7	Comp	ND	*	Comp	ND	*
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	Comp	0.0002	J,DX* (DNQ)	Comp	0.0001	J,DX* (DNQ)
Iron	LBS/DAY	400/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	Comp	ND	*	Comp	ND	*
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U	Comp	ND	UJ (C)
Nickel	LBS/DAY	128/47	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	LBS/DAY	11/5.5	Comp	ND	*	Comp	ND	*
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	Comp	ND	U	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	BA*	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	ANR	ANR	ANR	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	*	Comp	0.0000003	J,DX* (DNQ)
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	LQ*	Comp	0.0004	J,DX* (DNQ)
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	*	Comp	ND	BA*
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	*	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--	Comp	ND	--

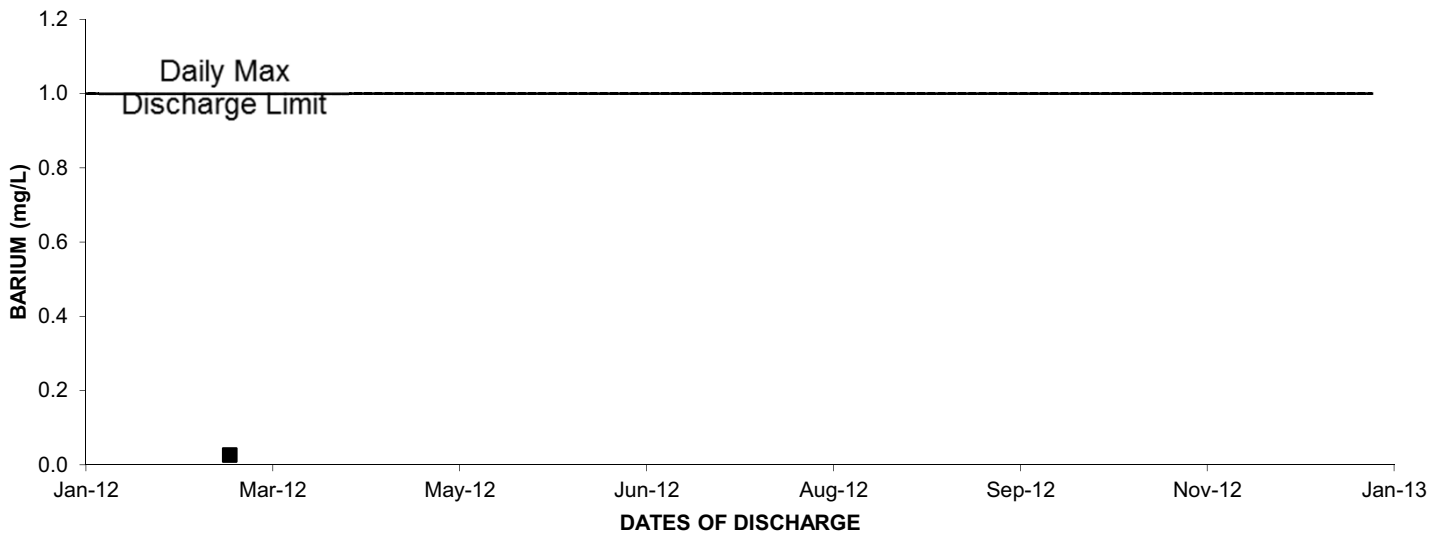
2012: OUTFALL 019 ANTIMONY



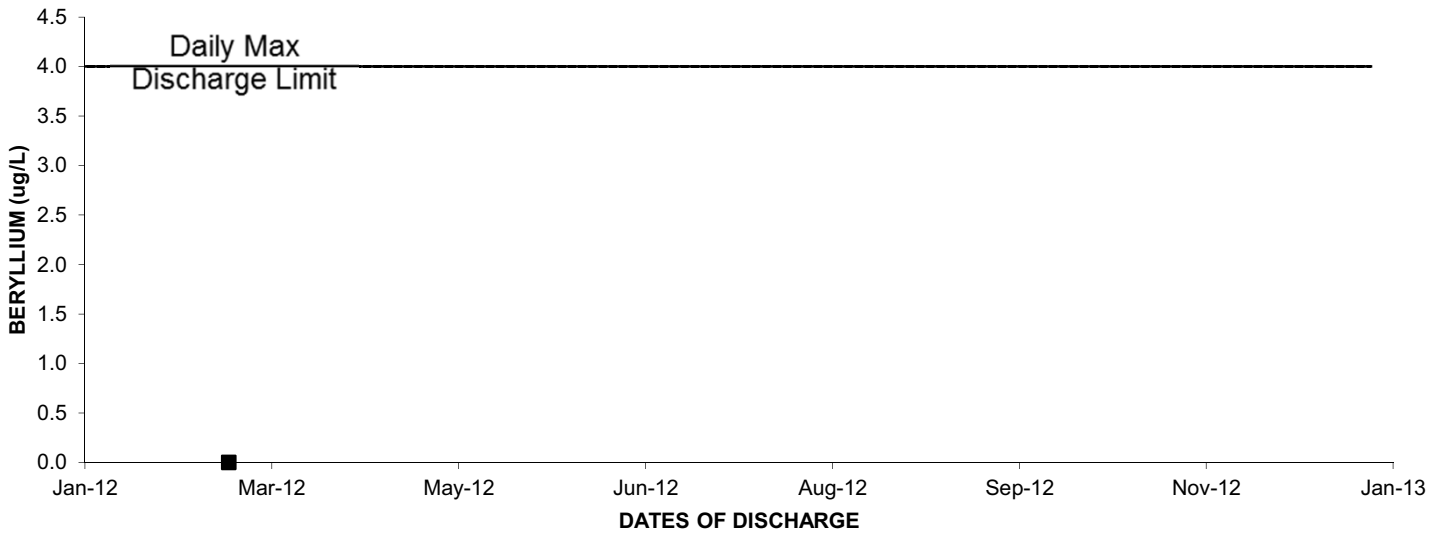
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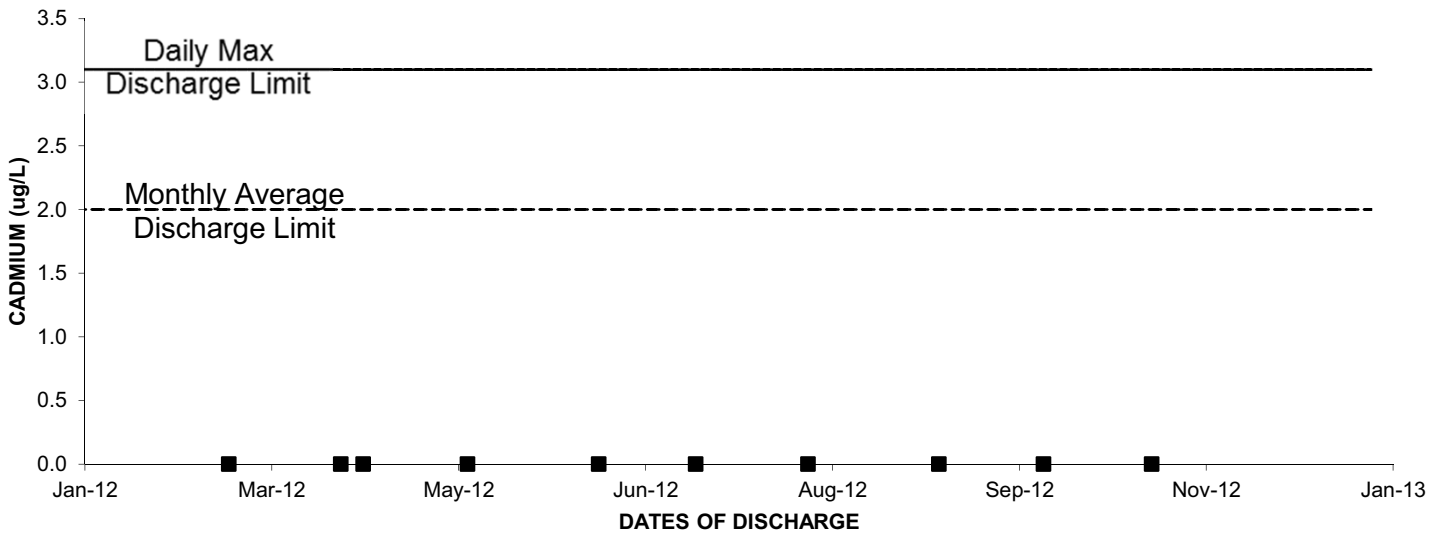
2012: OUTFALL 019 BARIUM



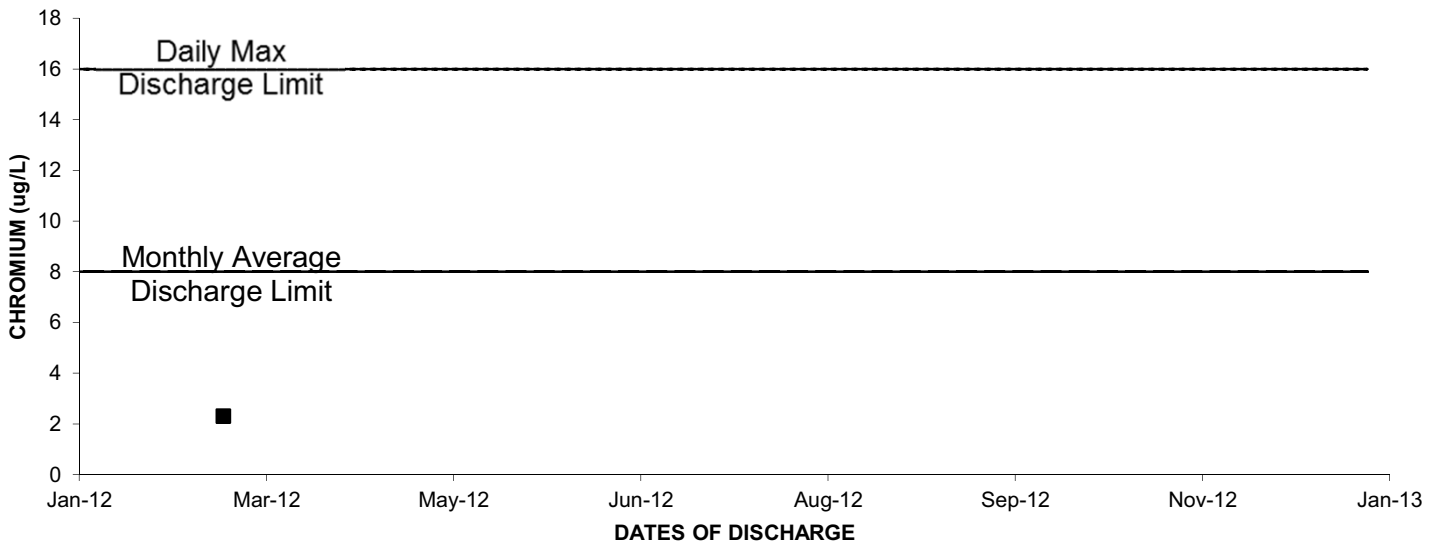
2012: OUTFALL 019 BERYLLIUM



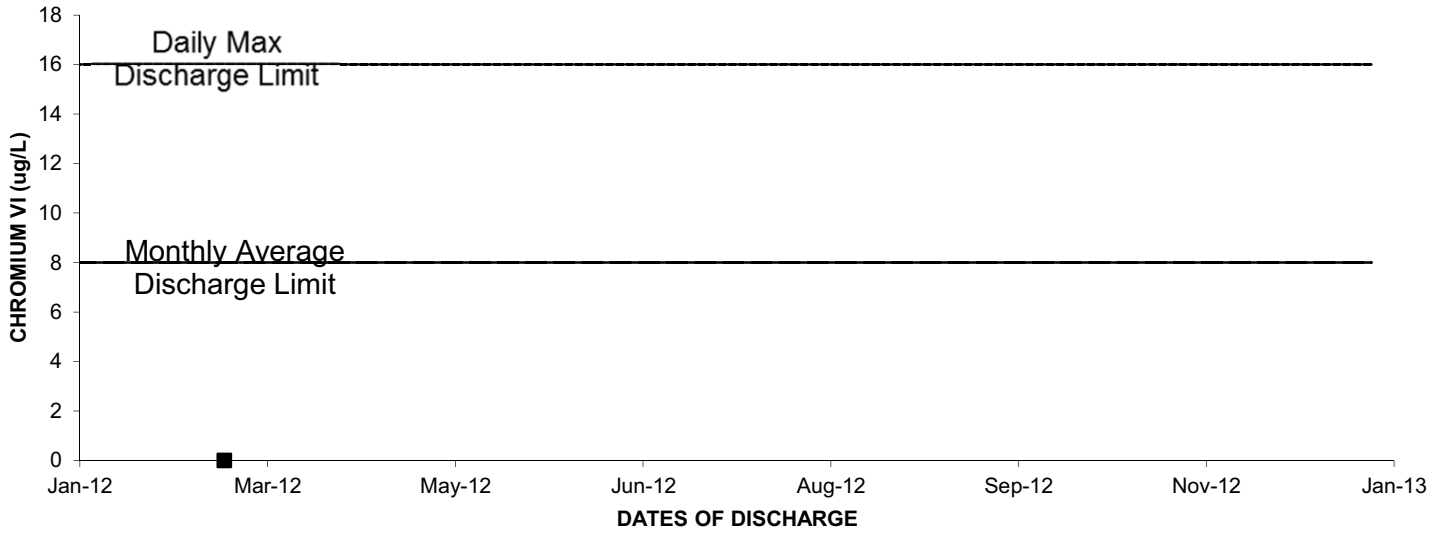
2012: OUTFALL 019 CADMIUM



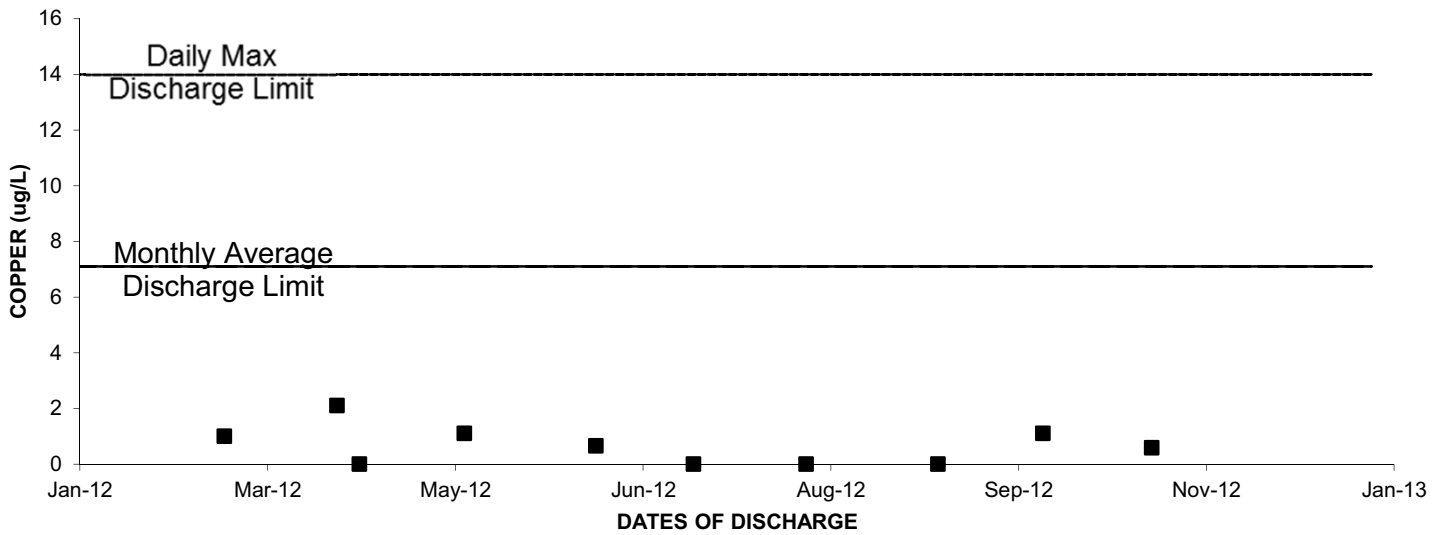
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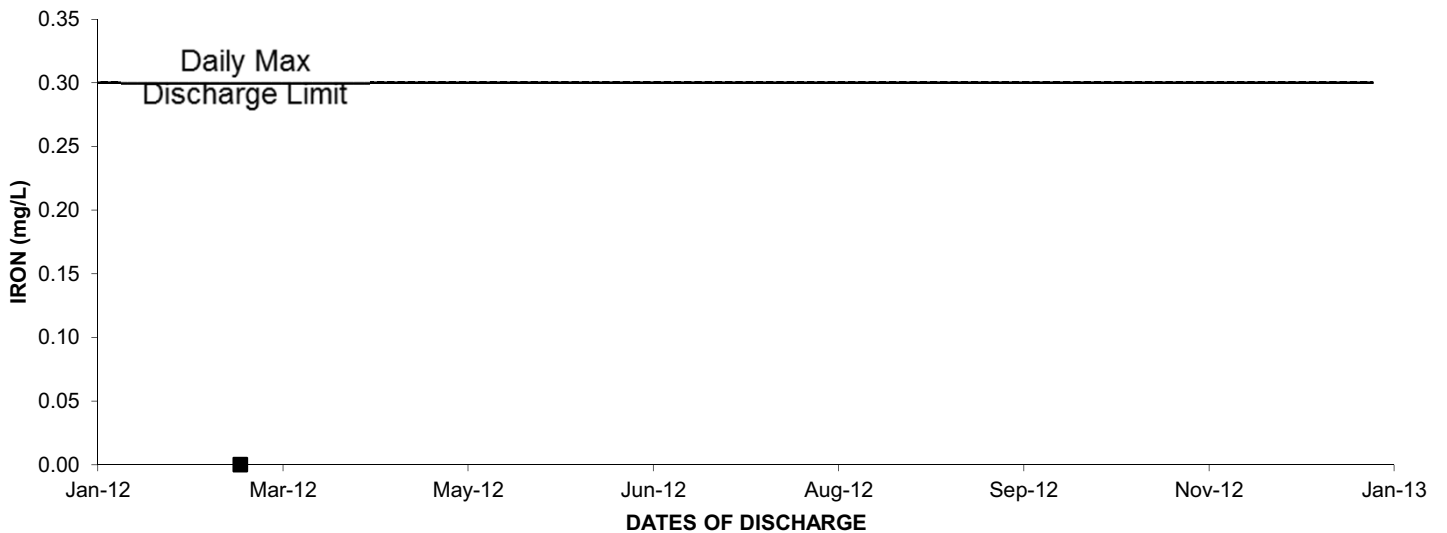
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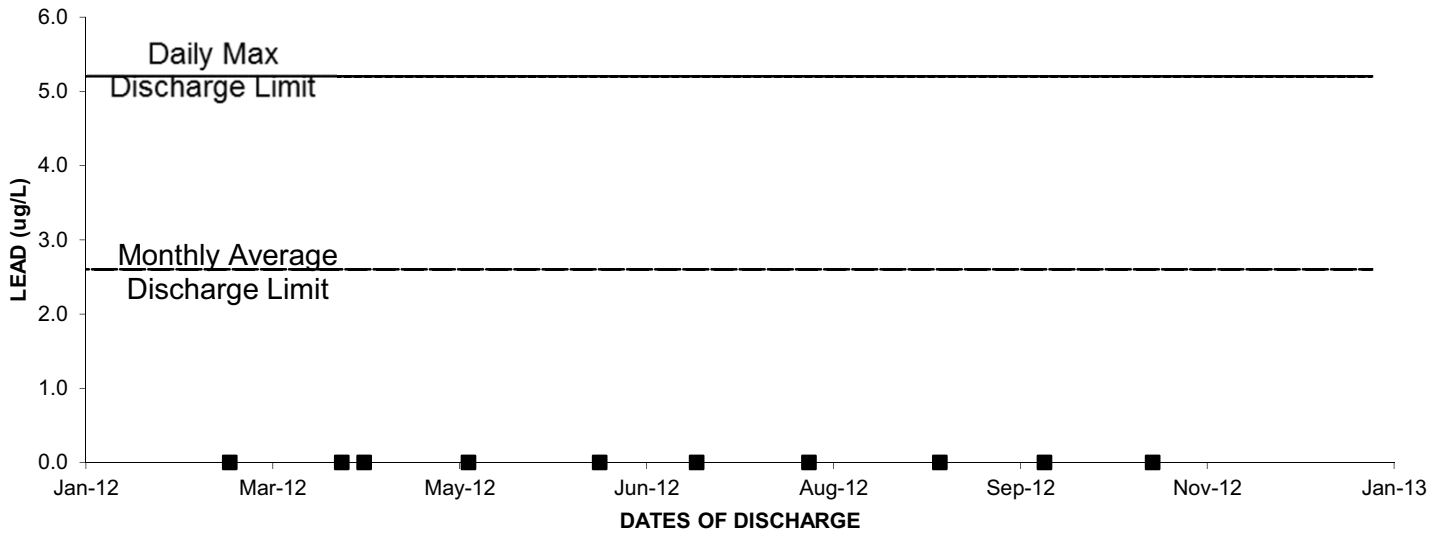
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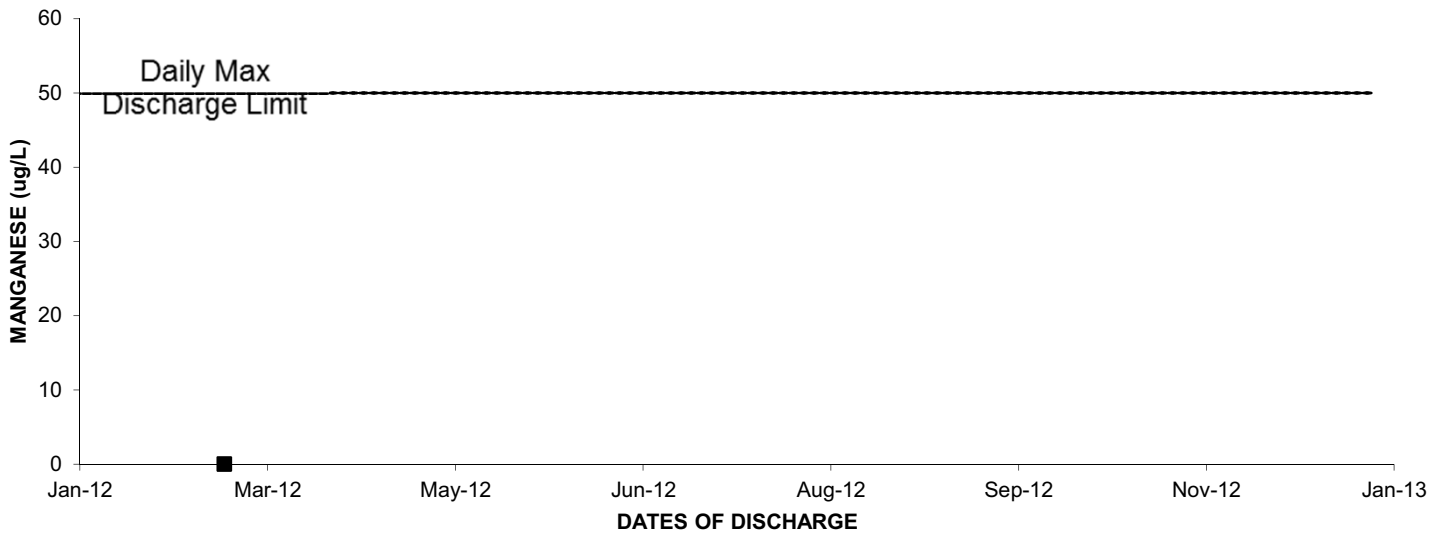
2012: OUTFALL 019 IRON



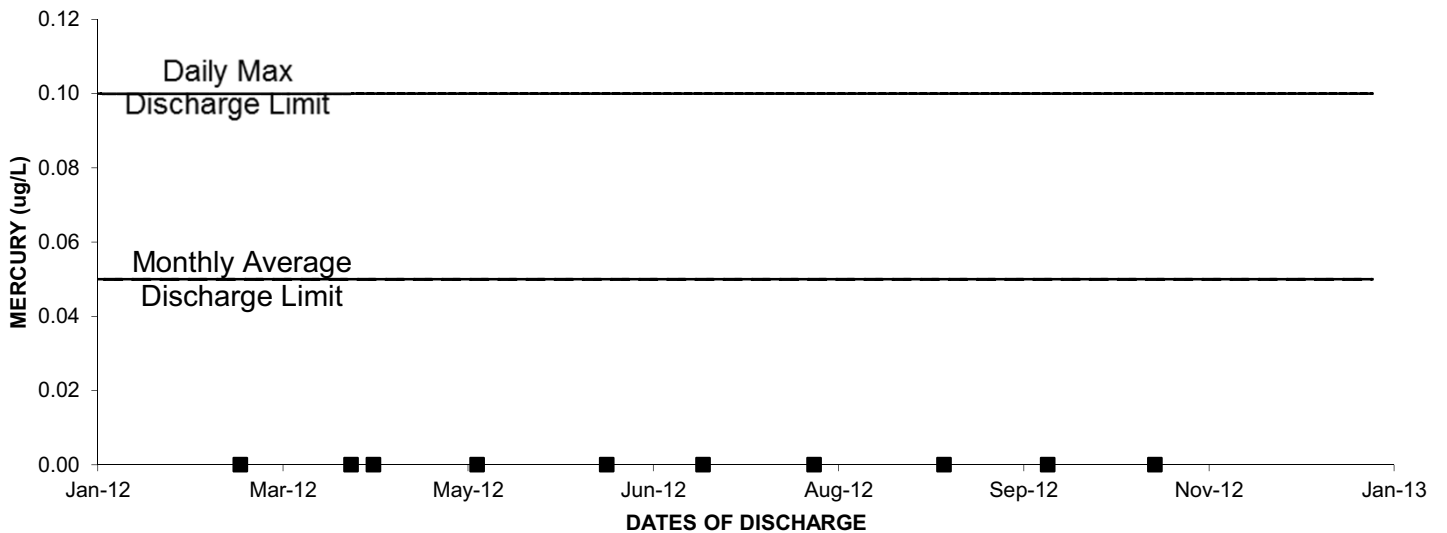
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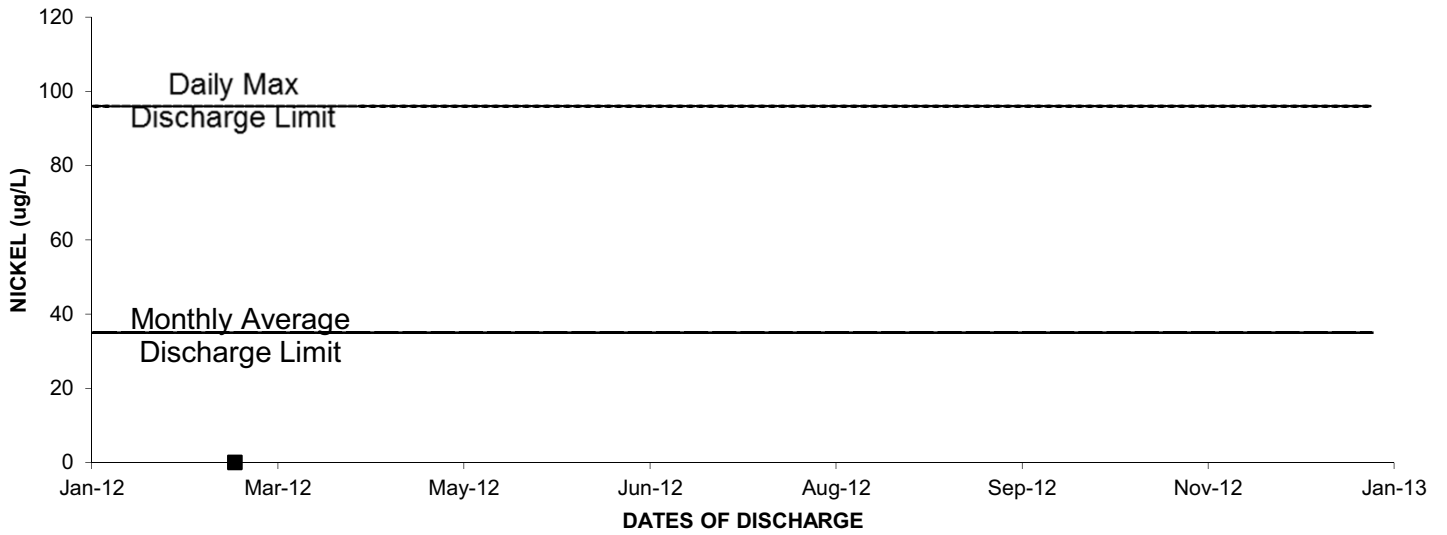
2012: OUTFALL 019 MANGANESE



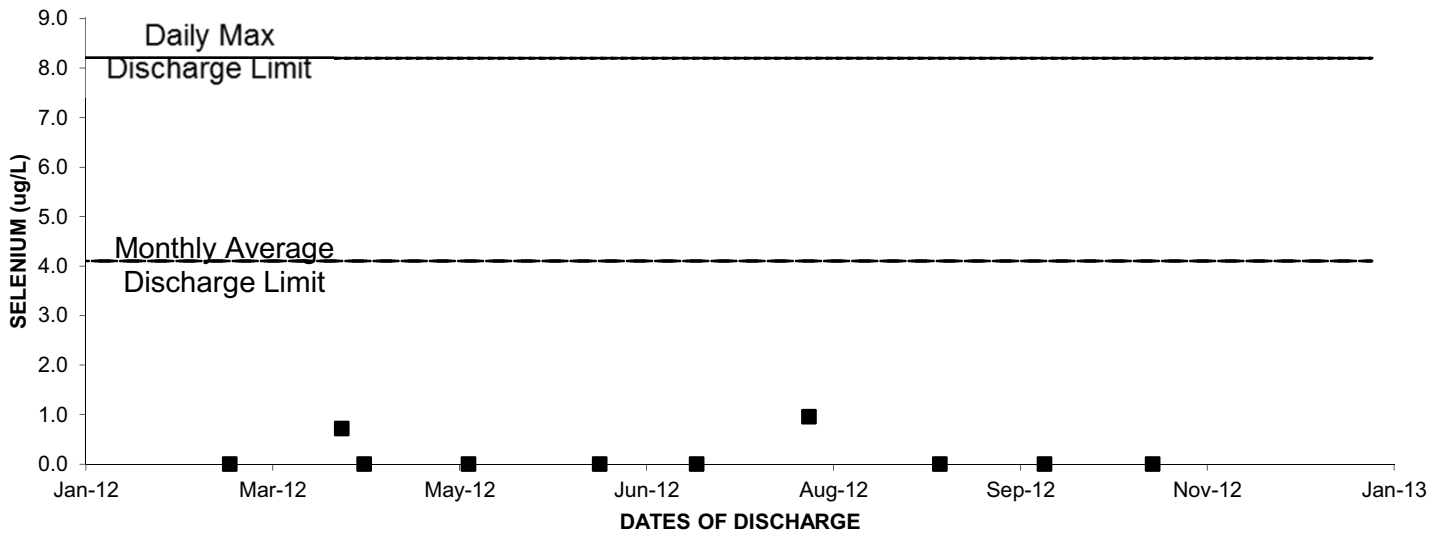
2012: OUTFALL 019 MERCURY



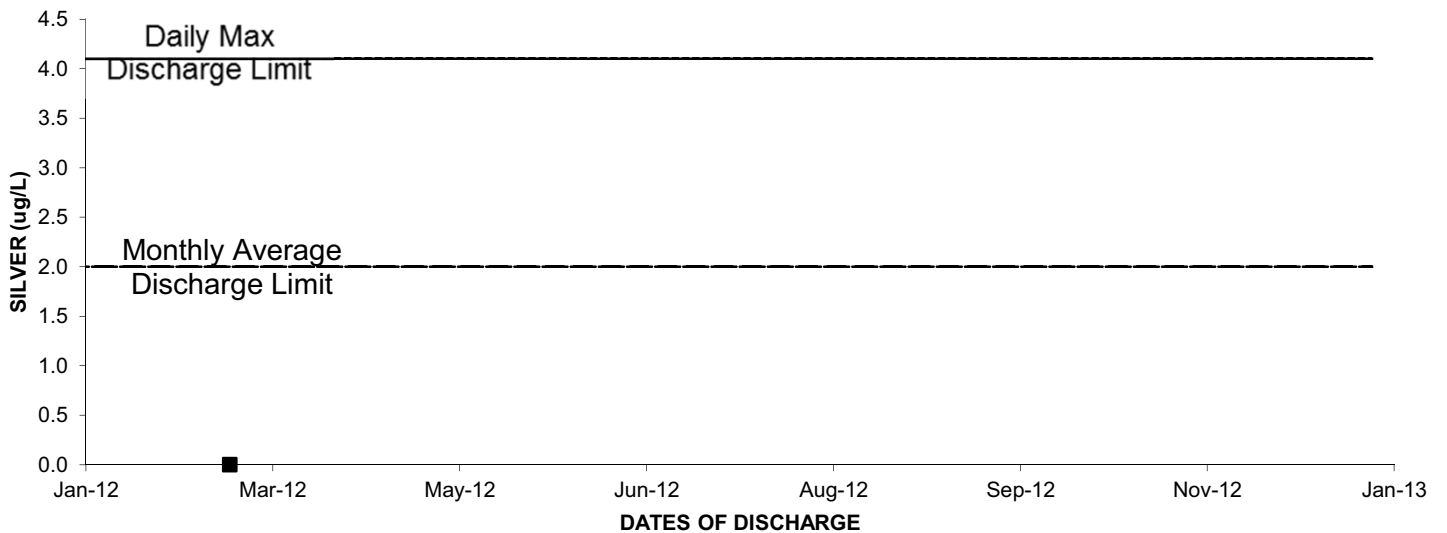
2012: OUTFALL 019 NICKEL



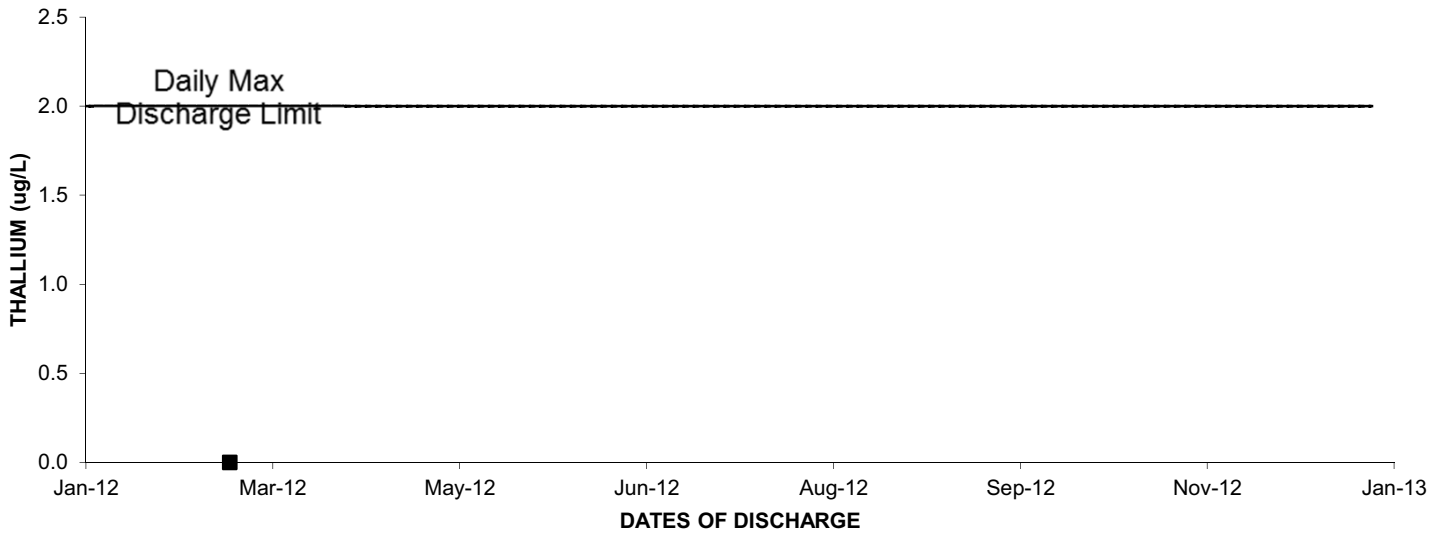
2012: OUTFALL 019 SELENIUM



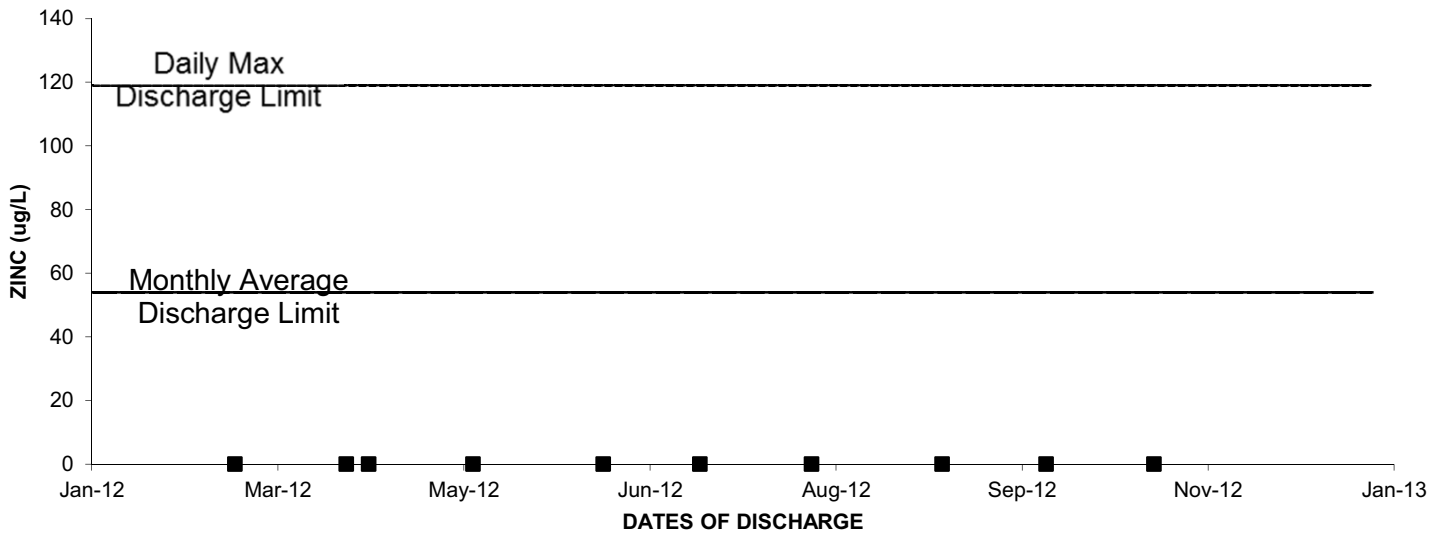
2012: OUTFALL 019 SILVER



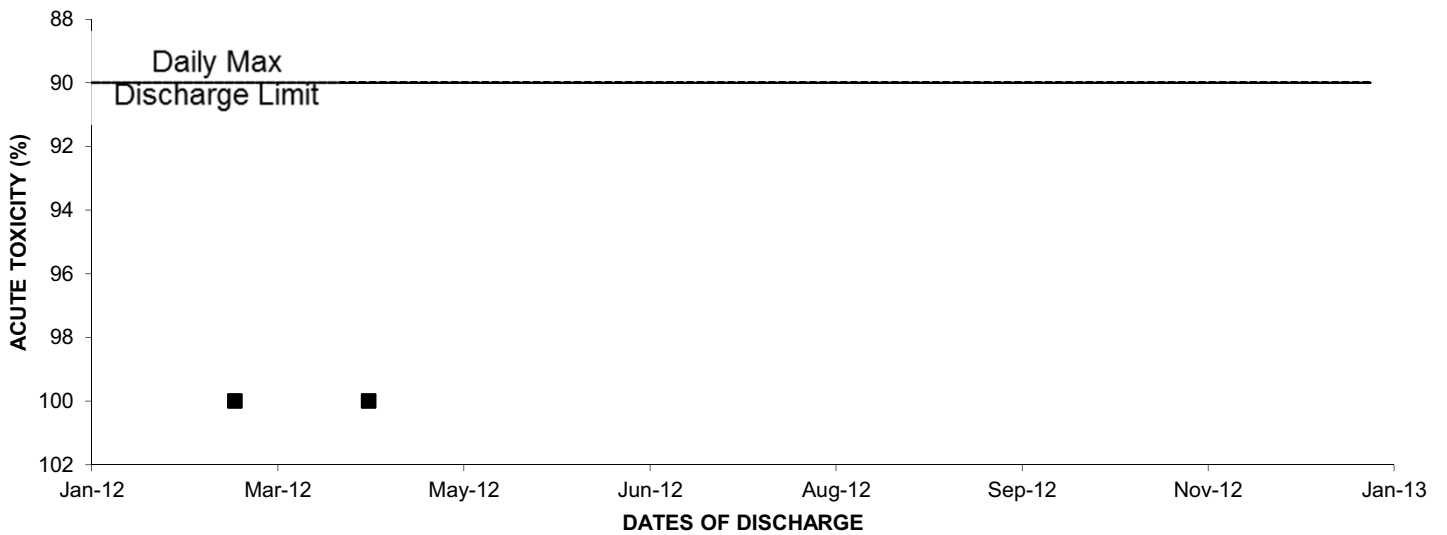
2012: OUTFALL 019 THALLIUM



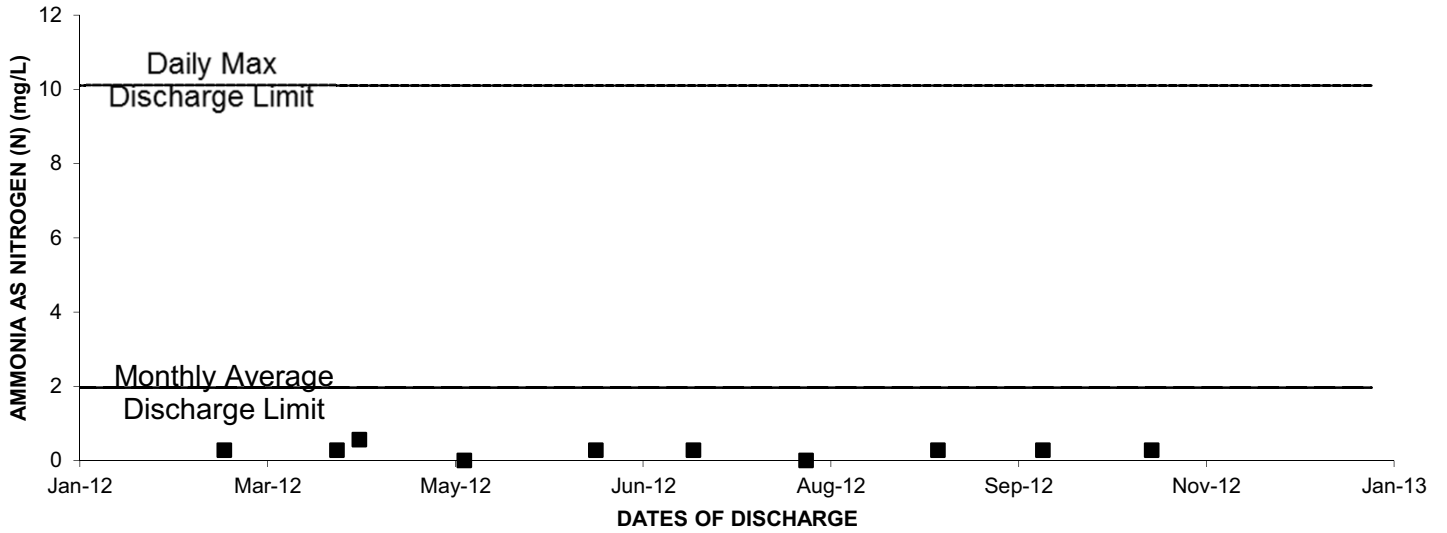
2012: OUTFALL 019 ZINC



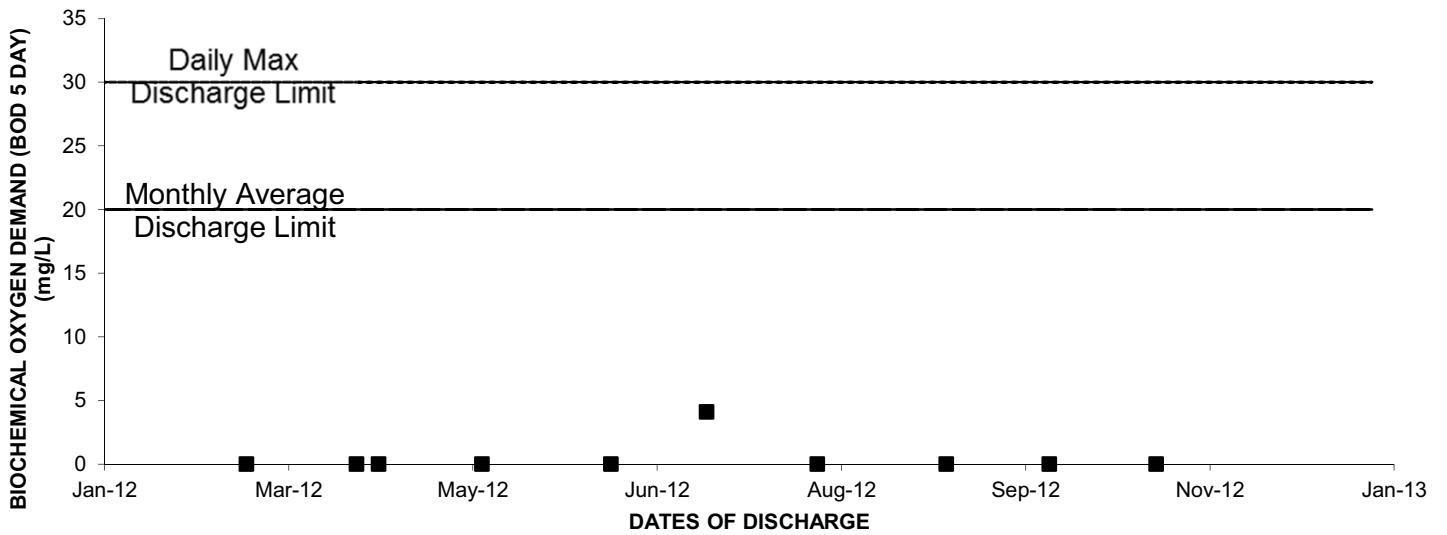
2012: OUTFALL 019 ACUTE TOXICITY



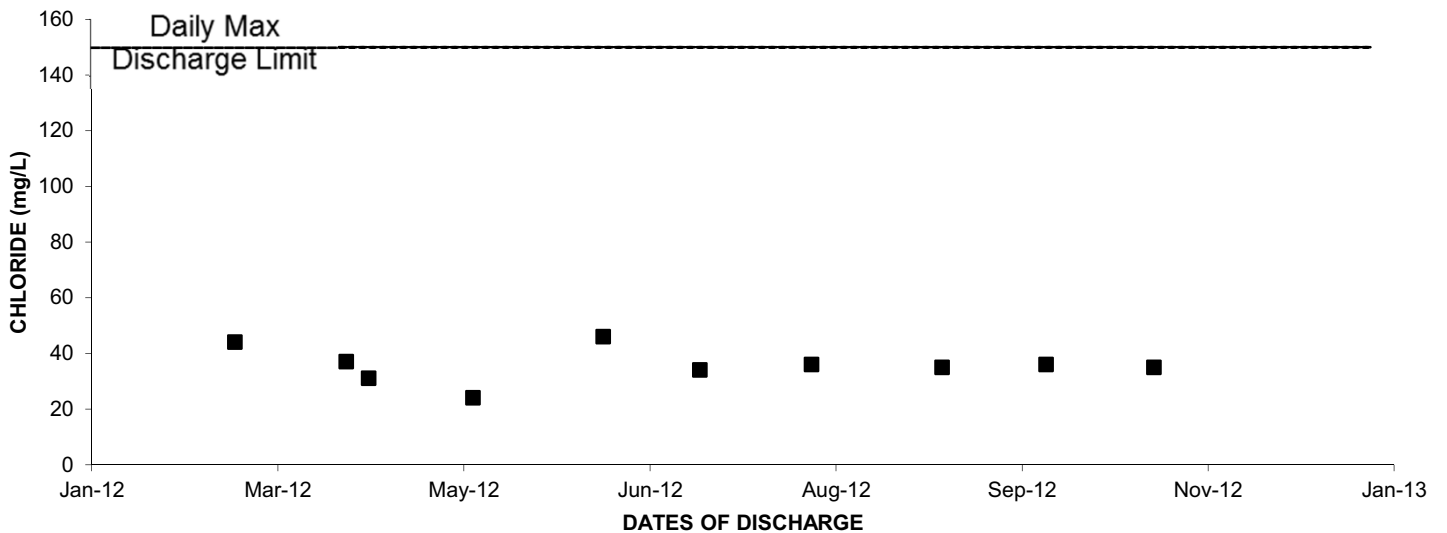
2012: OUTFALL 019 AMMONIA AS NITROGEN (N)



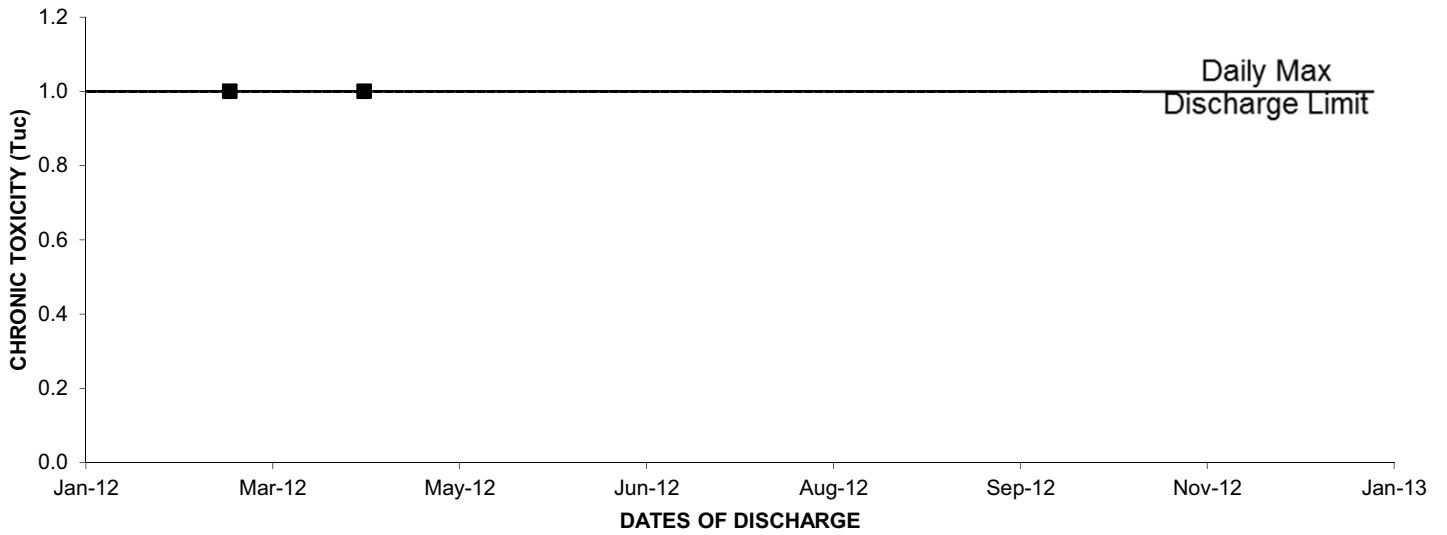
2012: OUTFALL 019 BIOCHEMICAL OXYGEN DEMAND (BOD 5 DAY)



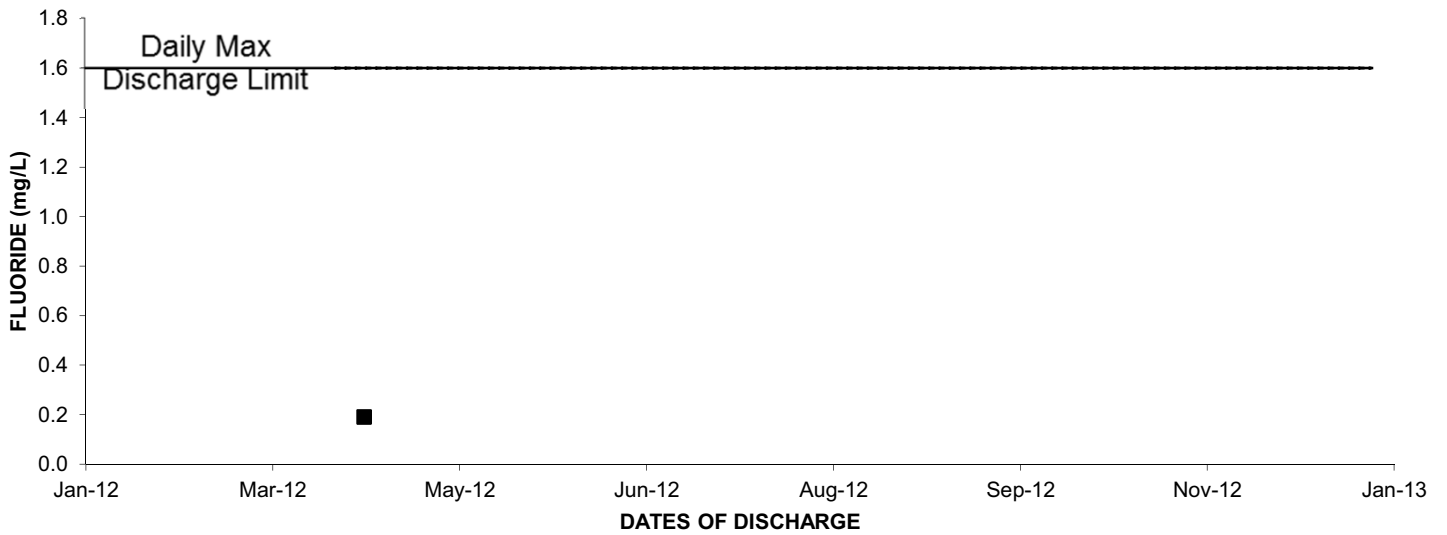
2012: OUTFALL 019 CHLORIDE



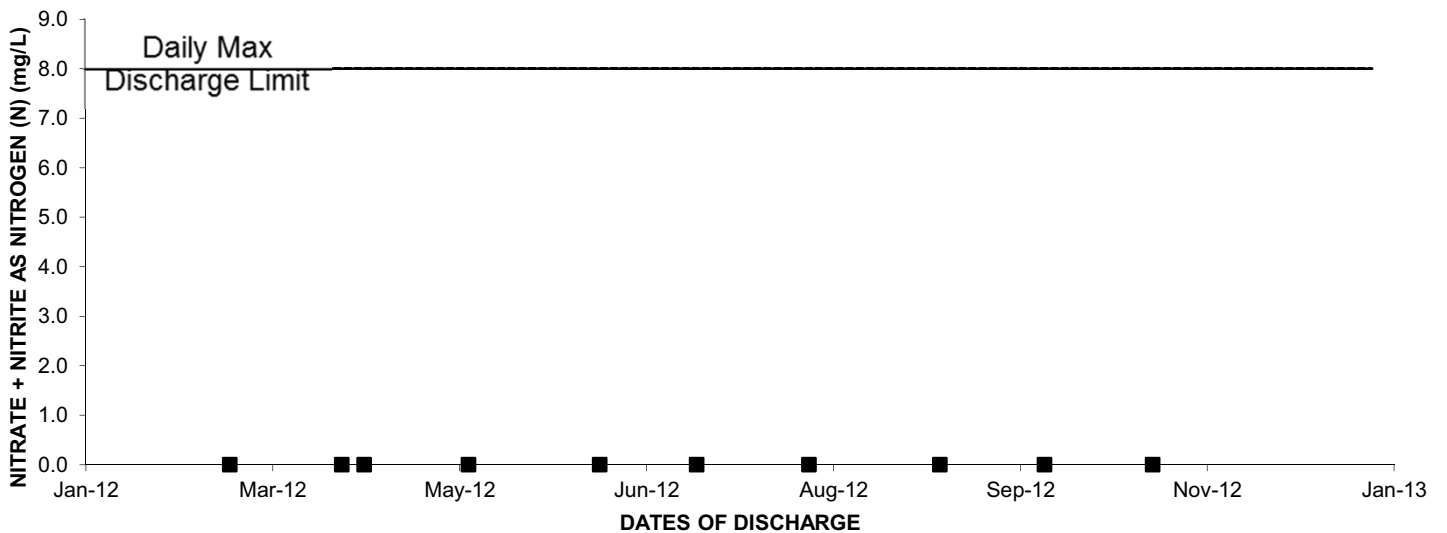
2012: OUTFALL 019 CHRONIC TOXICITY



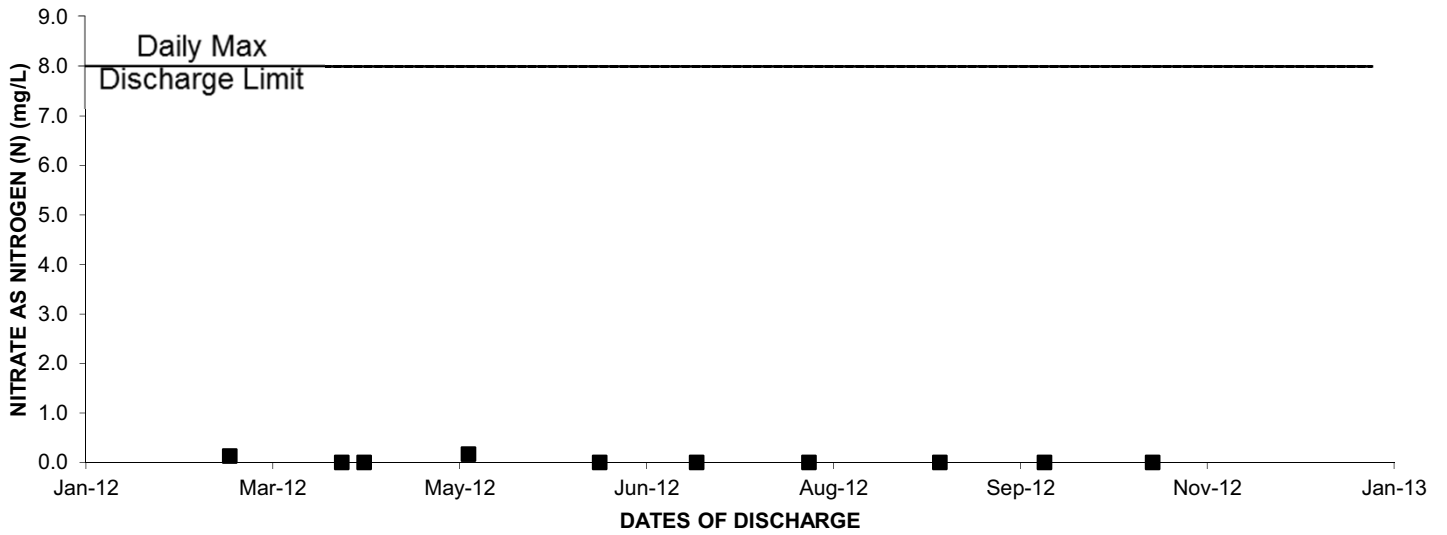
2012: OUTFALL 019 FLUORIDE



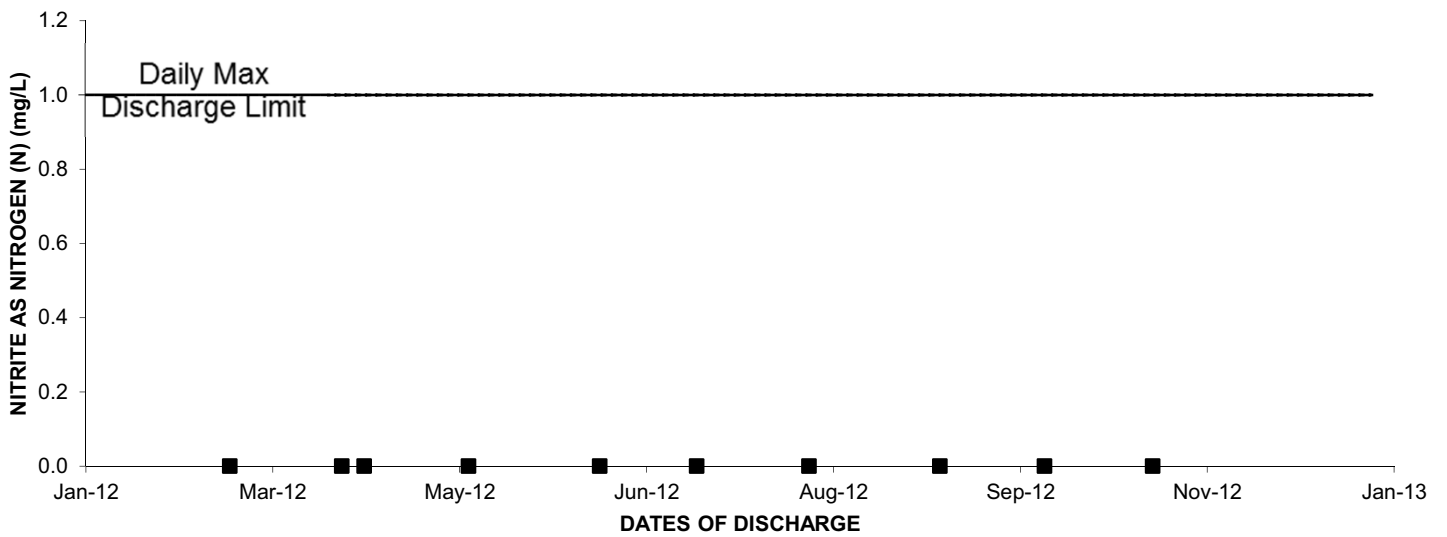
2012: OUTFALL 019 NITRATE + NITRITE AS NITROGEN (N)



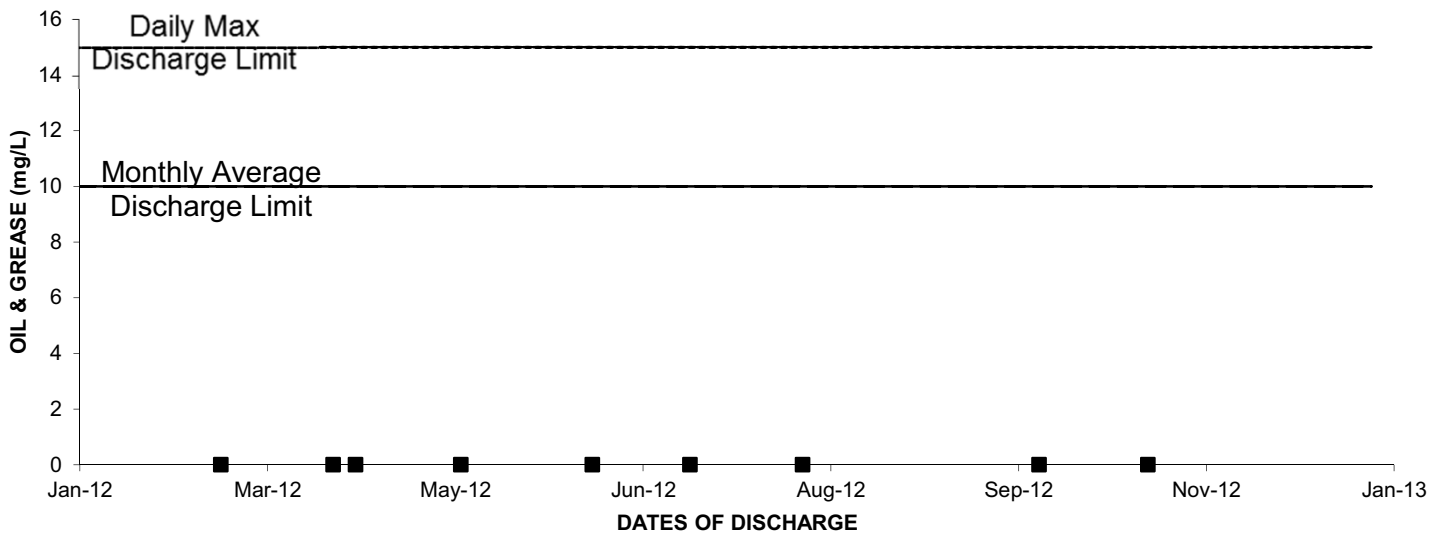
2012: OUTFALL 019 NITRATE AS NITROGEN (N)



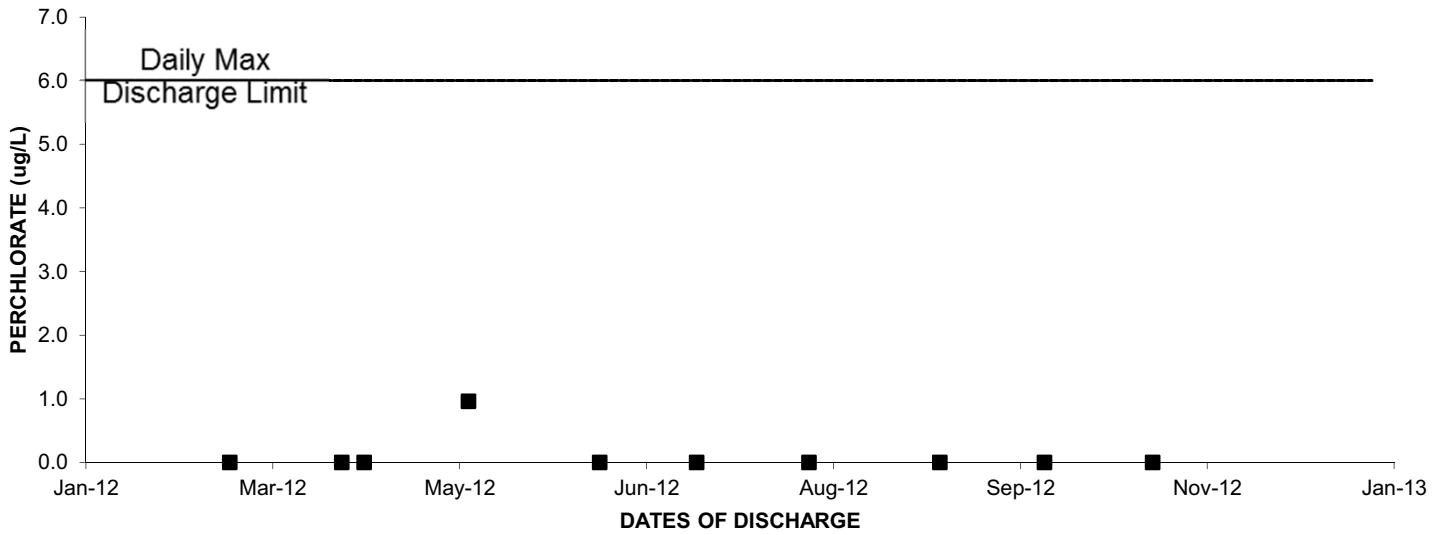
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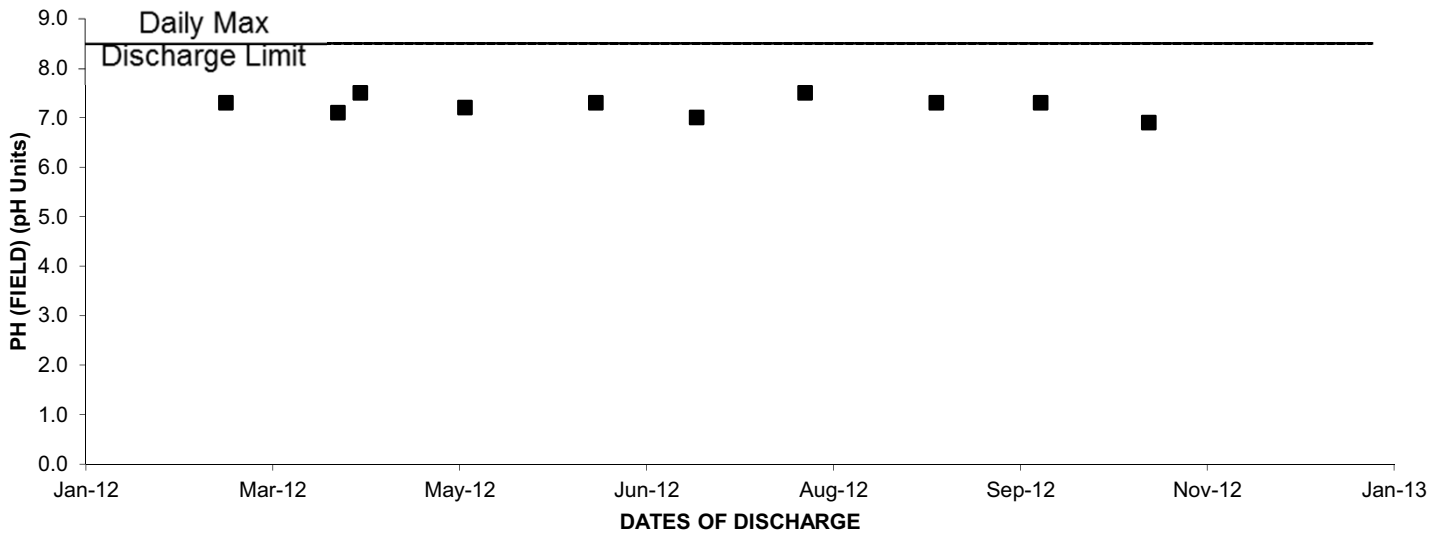
2012: OUTFALL 019 OIL & GREASE



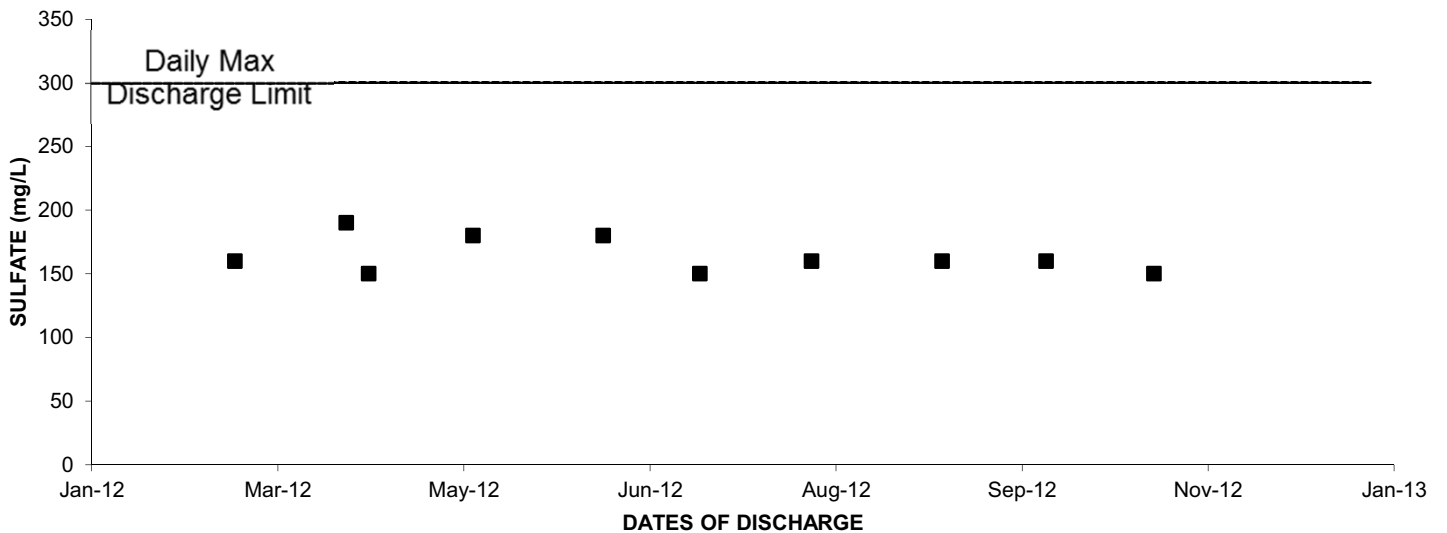
2012: OUTFALL 019 PERCHLORATE



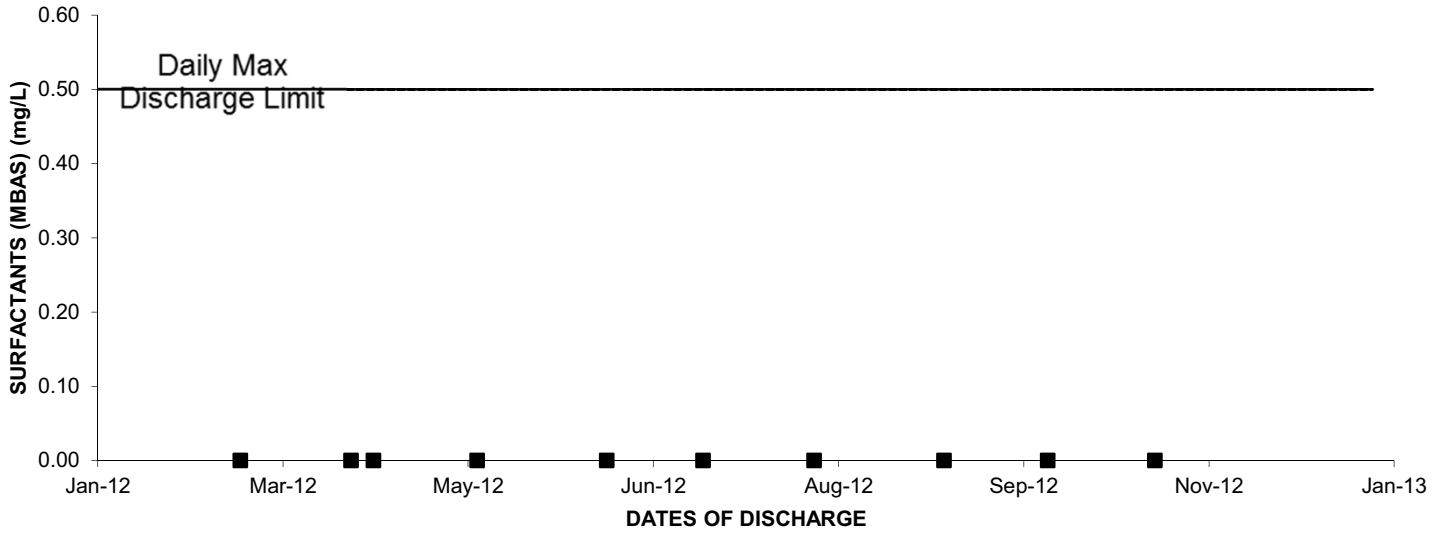
2012: OUTFALL 019 PH (FIELD)



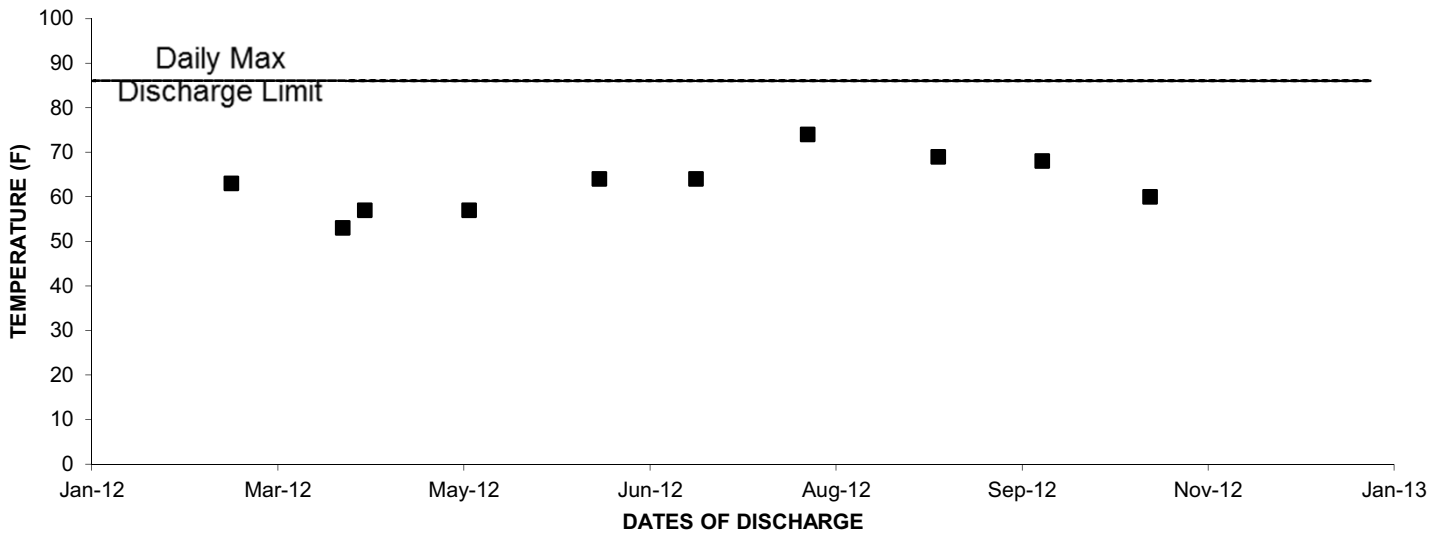
2012: OUTFALL 019 SULFATE



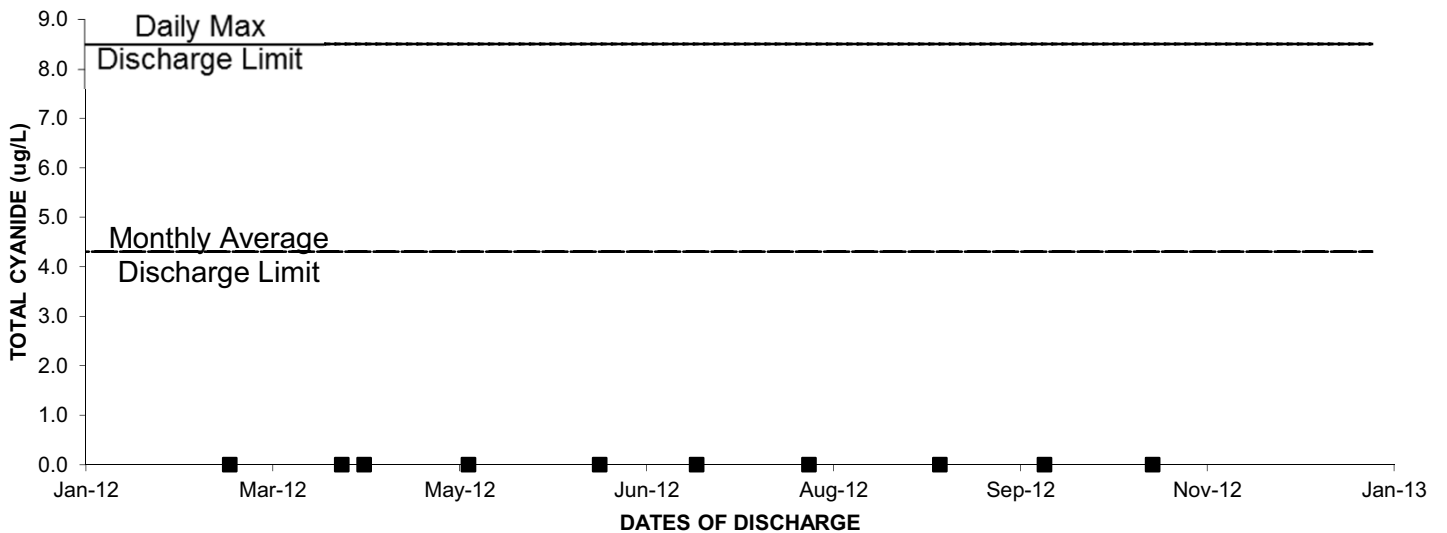
2012: OUTFALL 019 SURFACTANTS (MBAS)



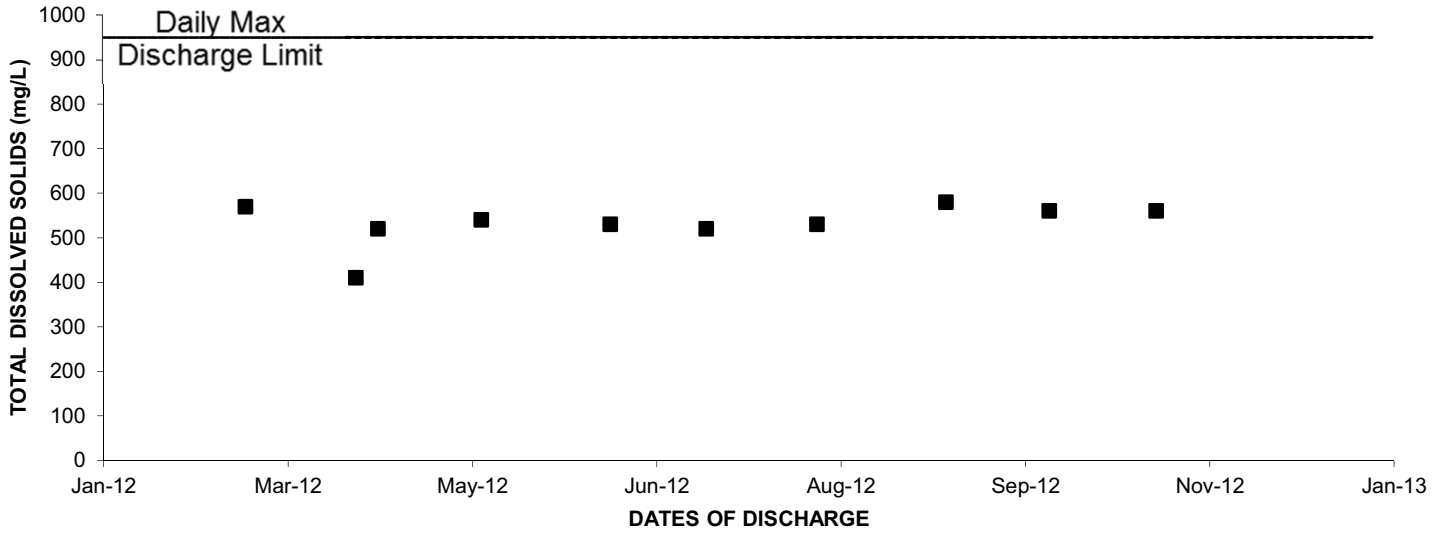
2012: OUTFALL 019 TEMPERATURE



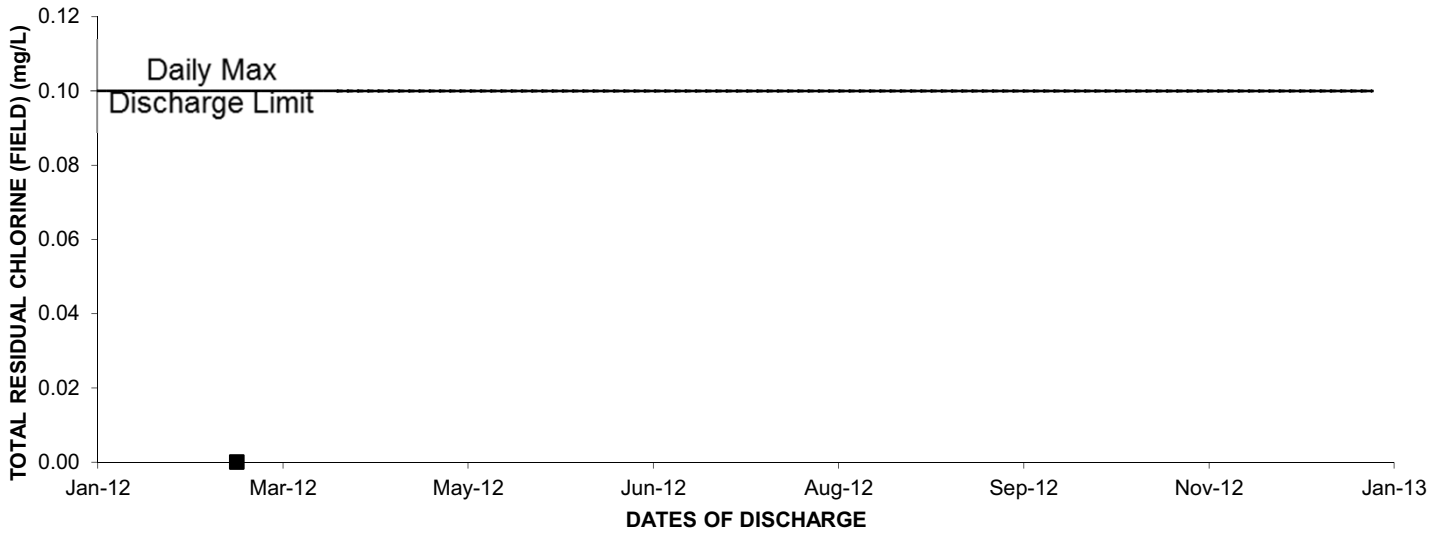
2012: OUTFALL 019 TOTAL CYANIDE



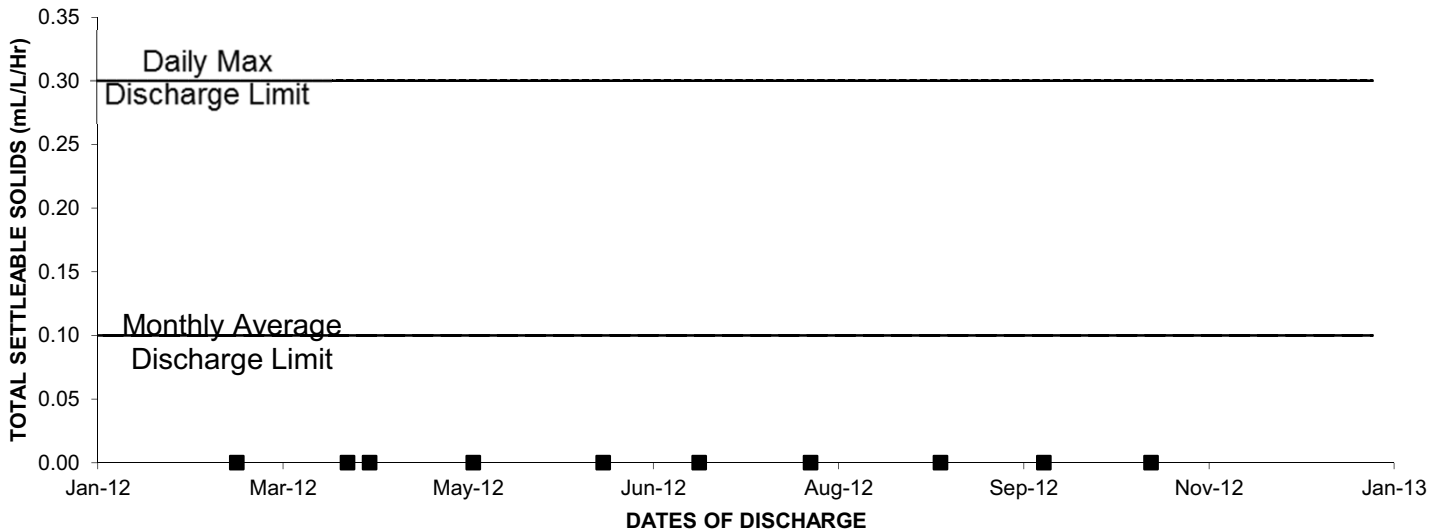
2012: OUTFALL 019 TOTAL DISSOLVED SOLIDS



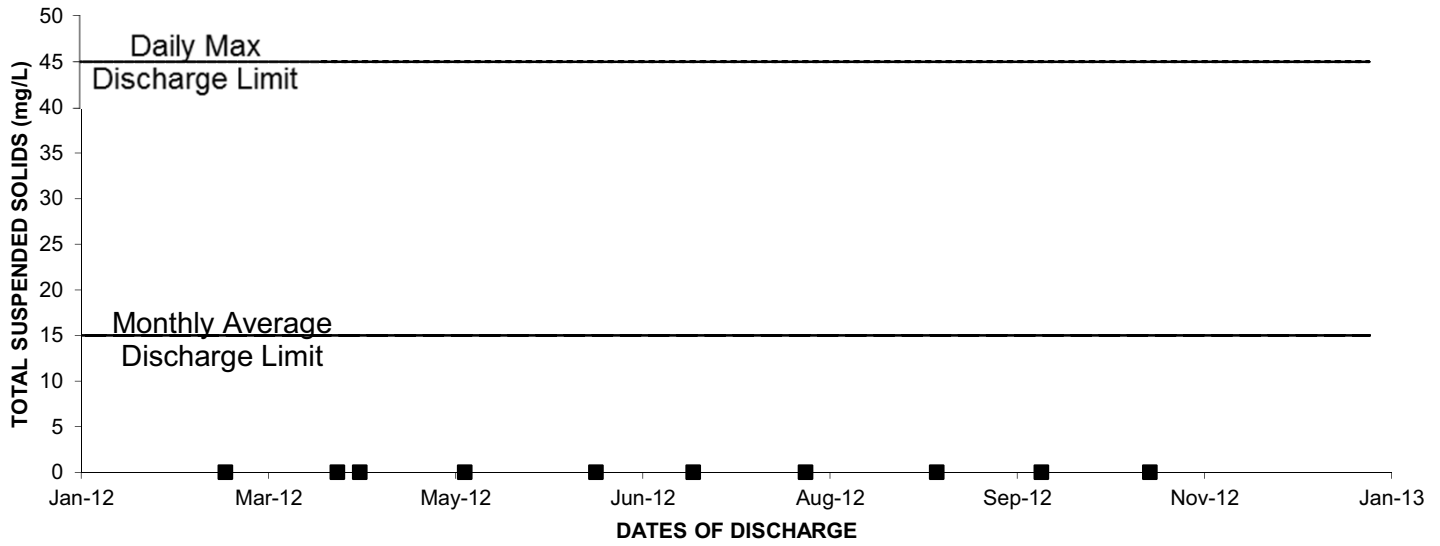
2012: OUTFALL 019 TOTAL RESIDUAL CHLORINE (FIELD)



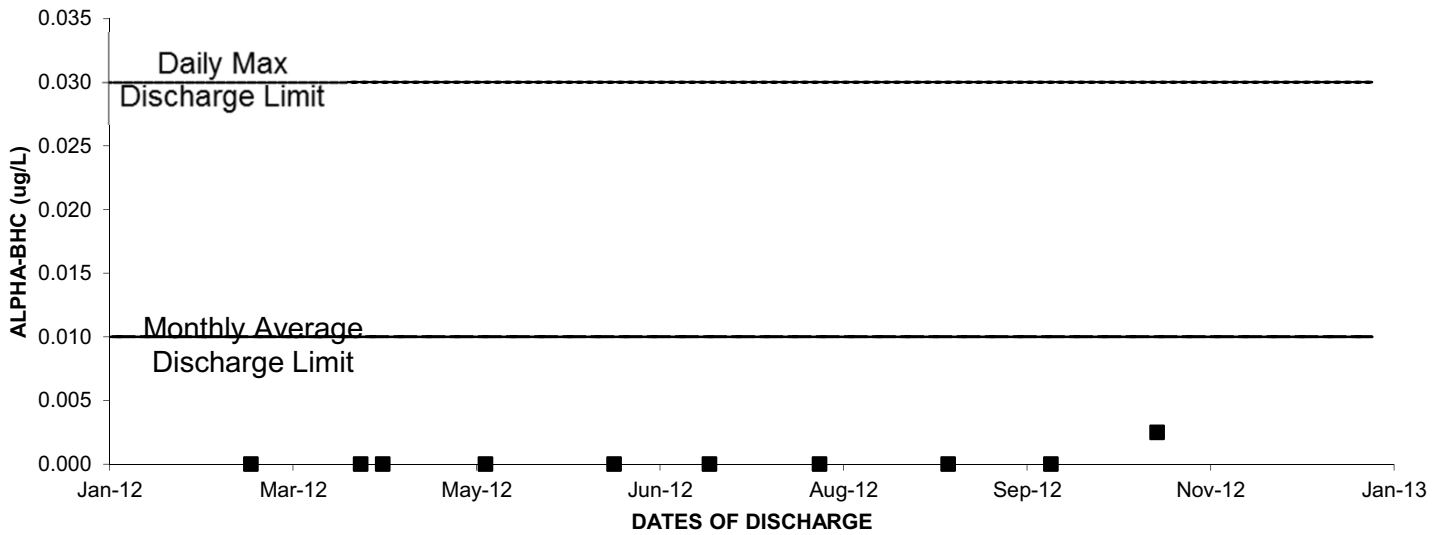
2012: OUTFALL 019 TOTAL SETTLEABLE SOLIDS



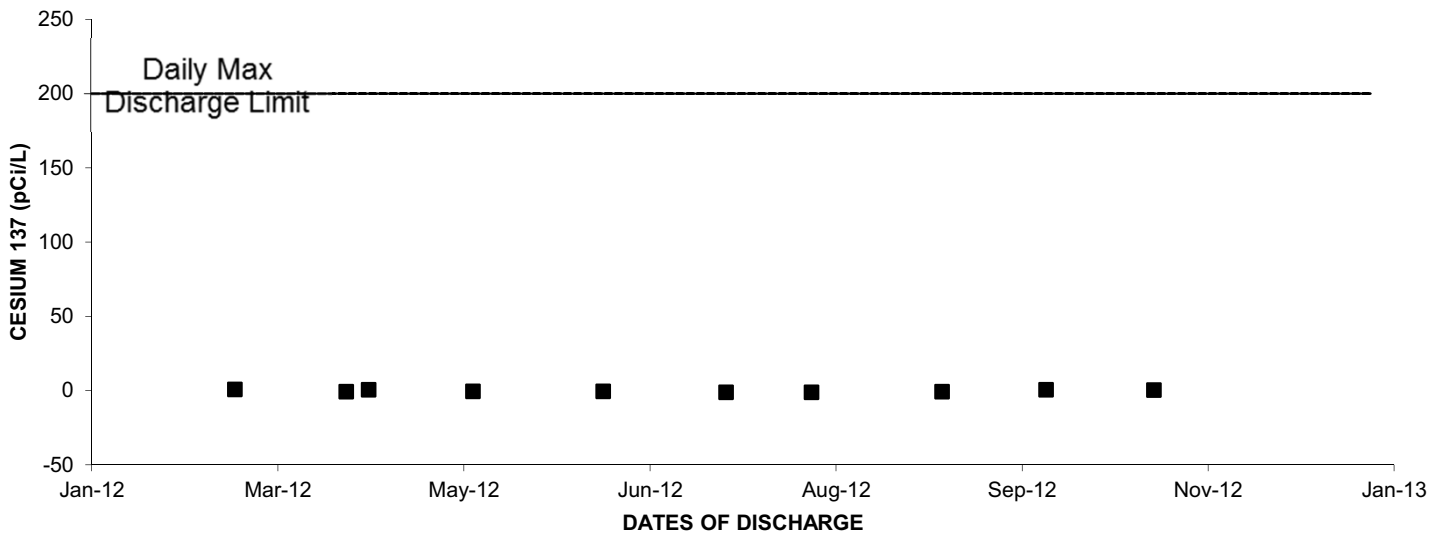
2012: OUTFALL 019 TOTAL SUSPENDED SOLIDS



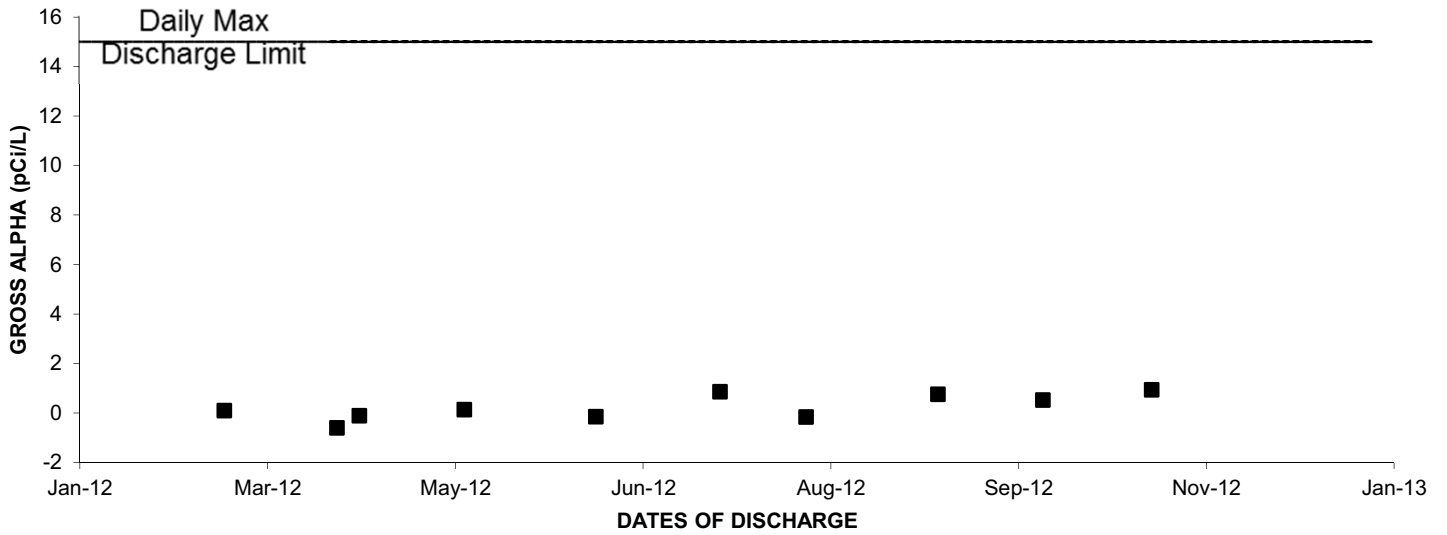
2012: OUTFALL 019 ALPHA-BHC



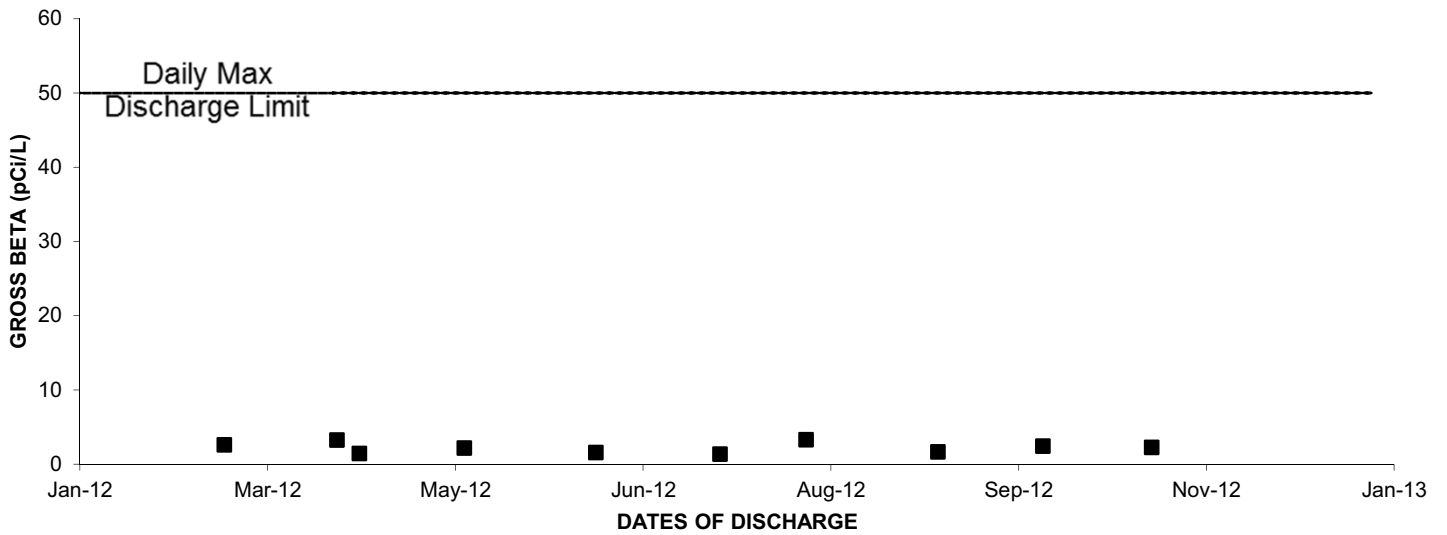
2012: OUTFALL 019 CESIUM 137



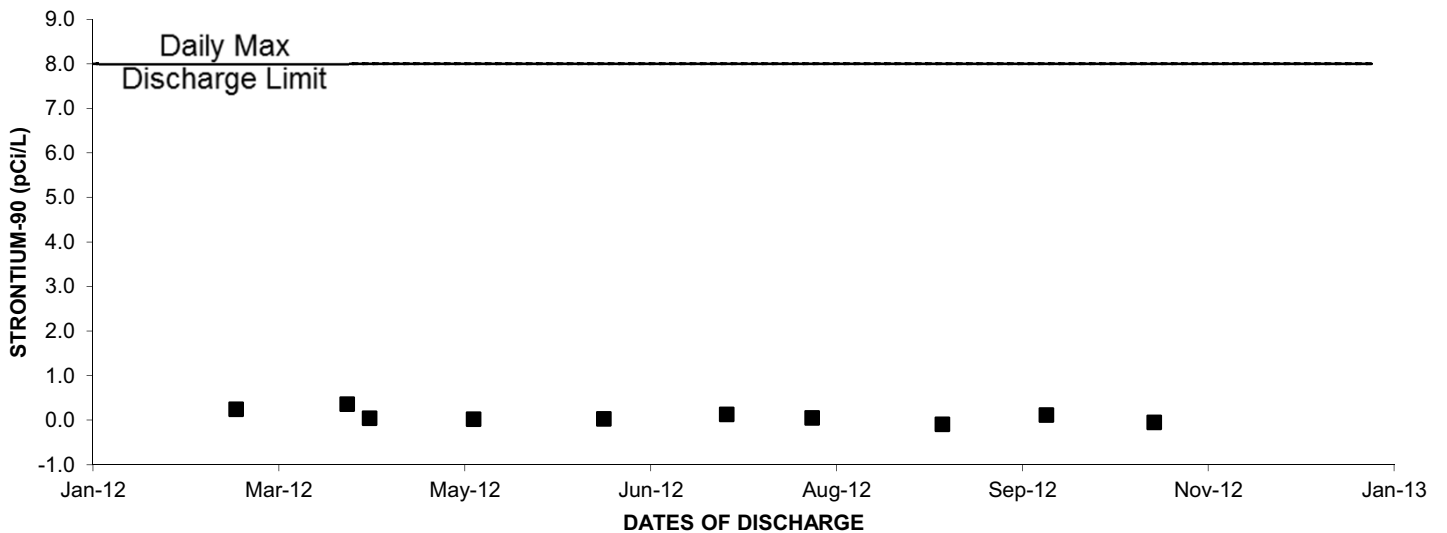
2012: OUTFALL 019 GROSS ALPHA



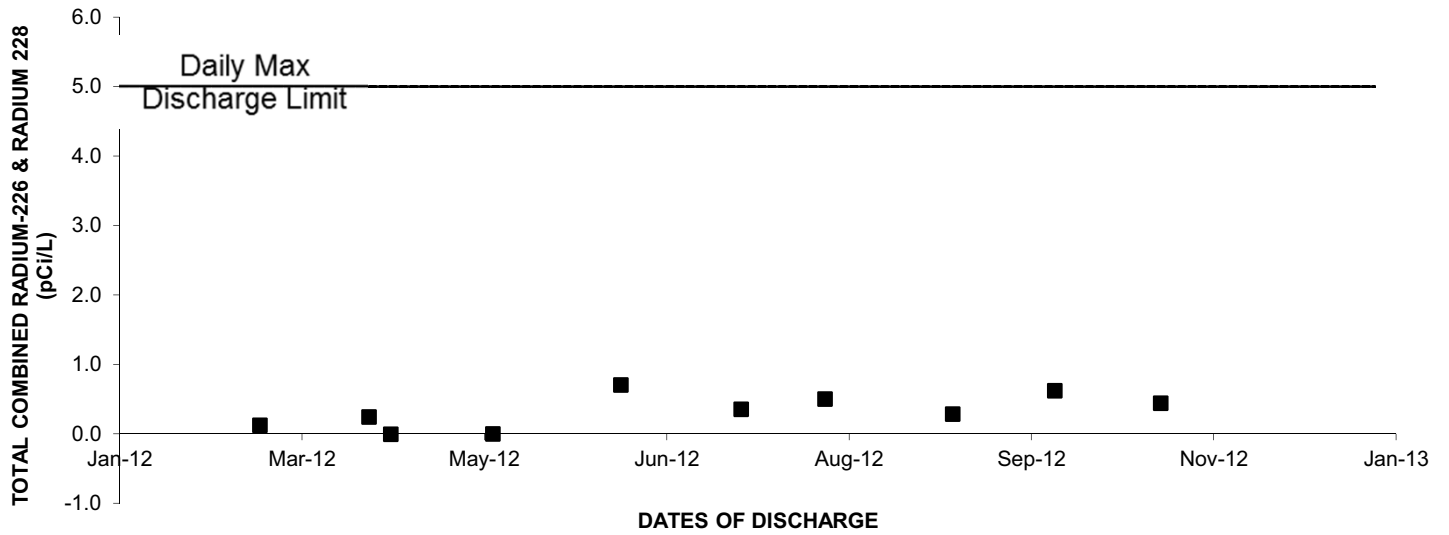
2012: OUTFALL 019 GROSS BETA



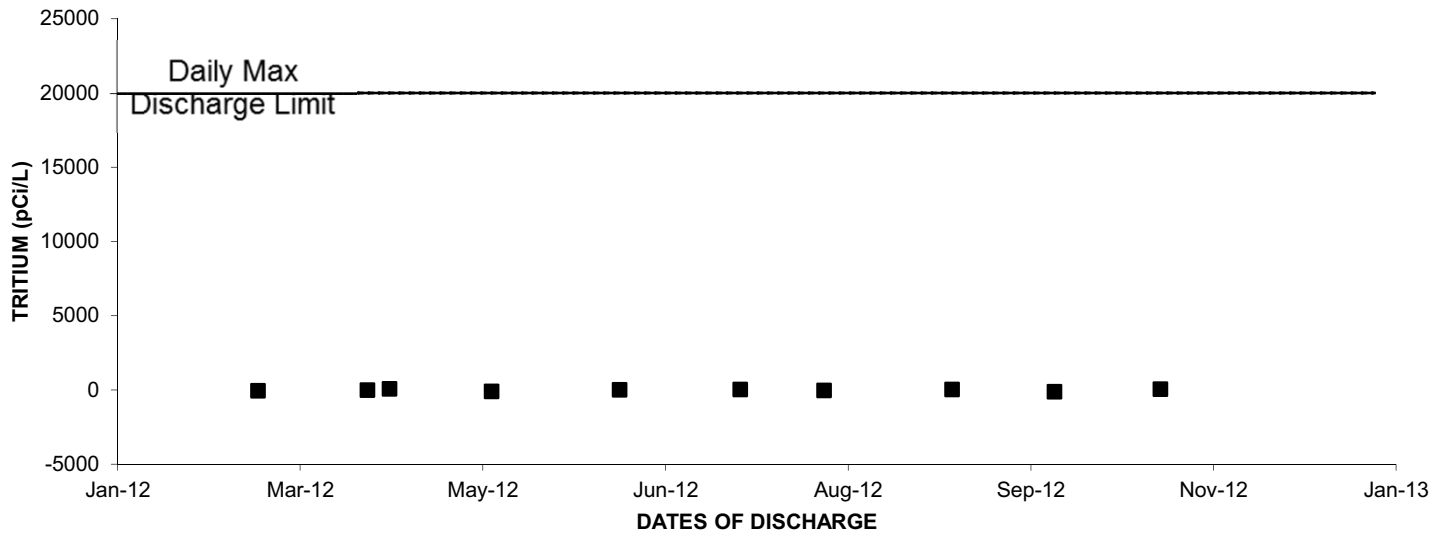
2012: OUTFALL 019 STRONTIUM-90



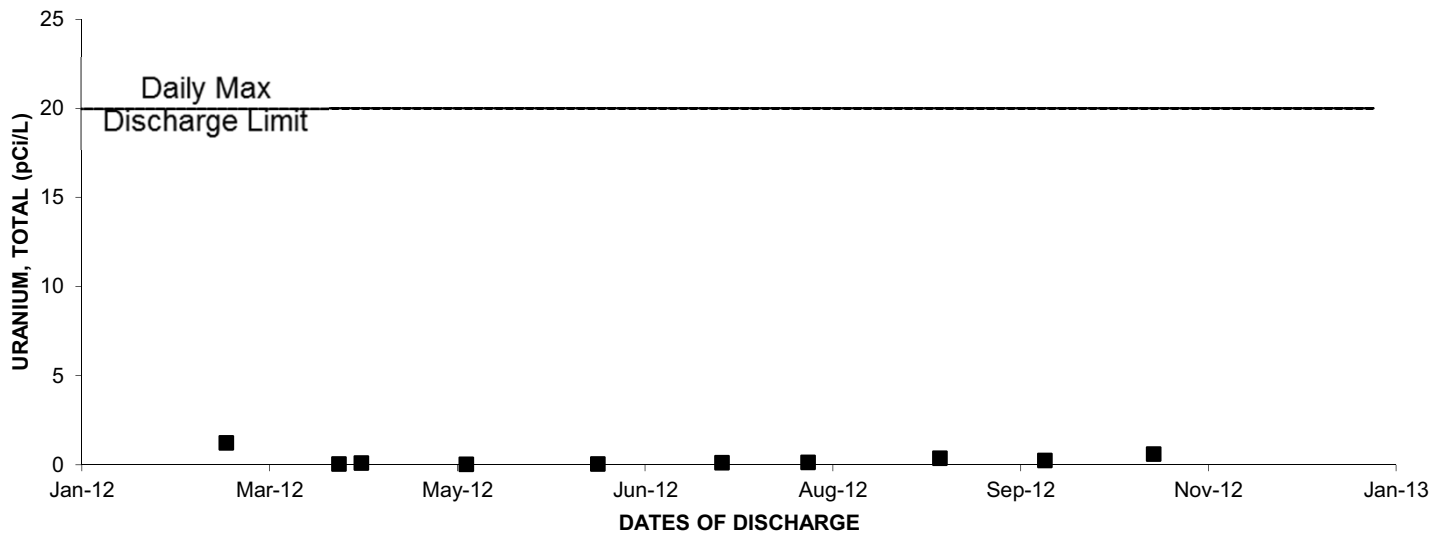
2012: OUTFALL 019 TOTAL COMBINED RADIUM-226 & RADIUM 228



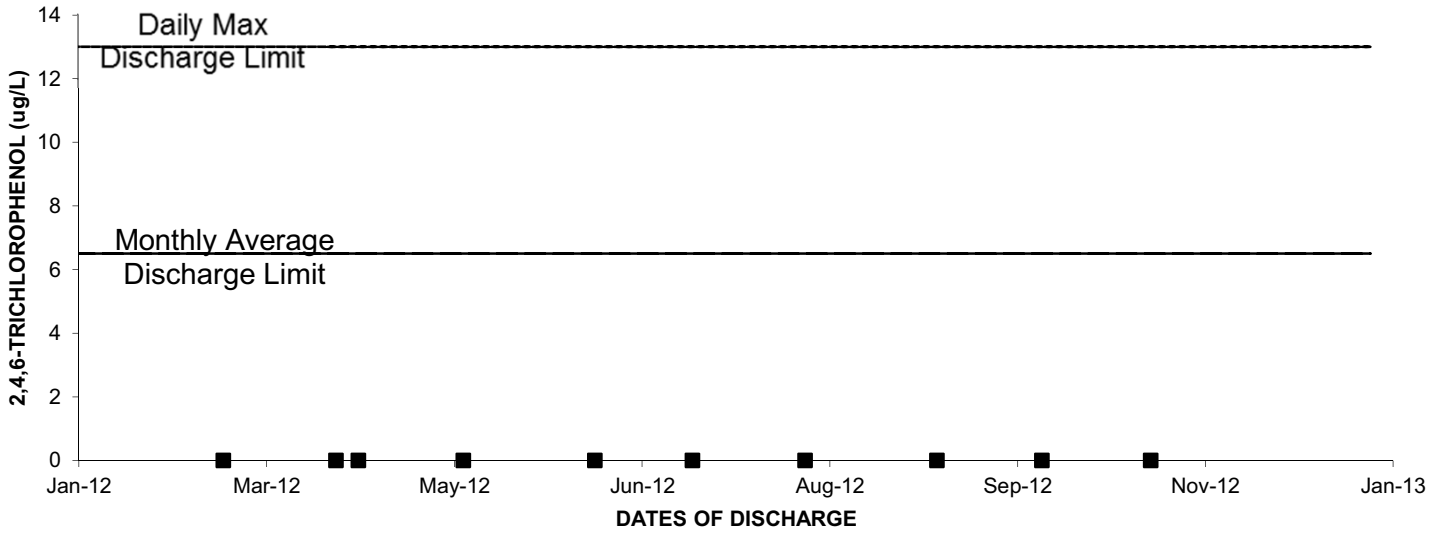
2012: OUTFALL 019 TRITIUM



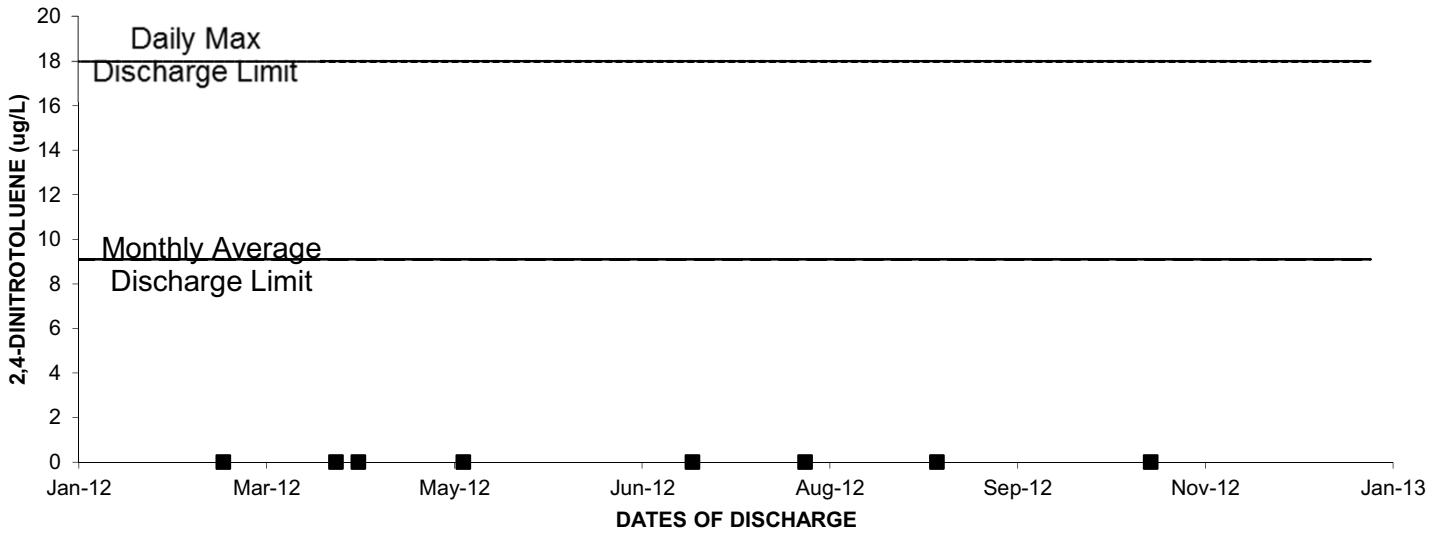
2012: OUTFALL 019 URANIUM, TOTAL



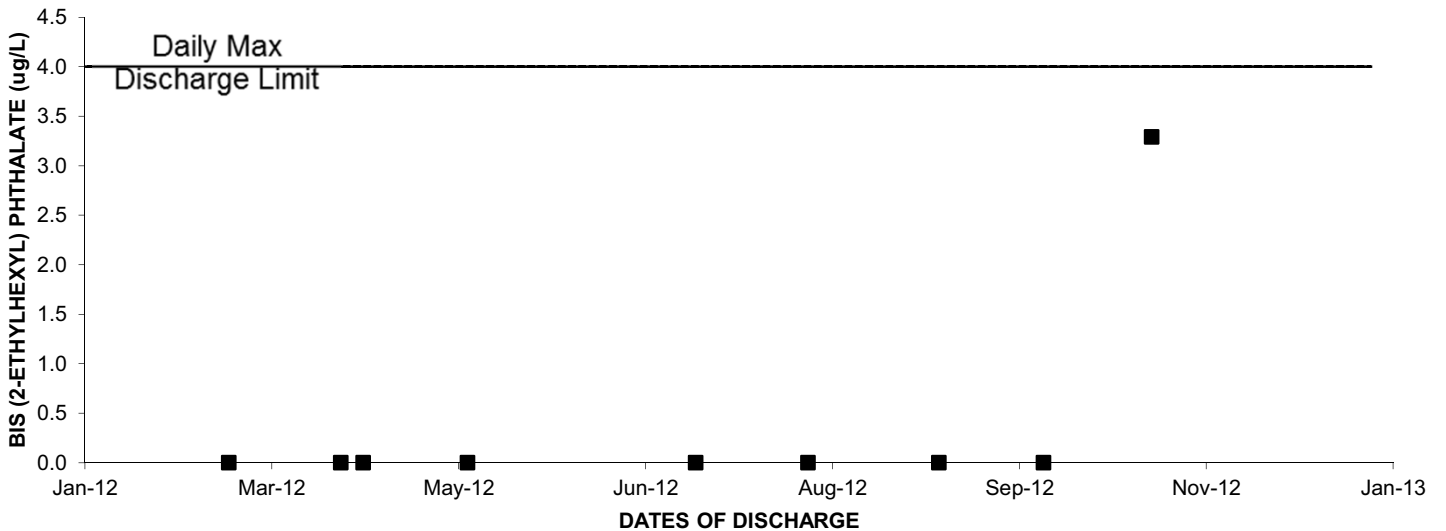
2012: OUTFALL 019 2,4,6-TRICHLOROPHENOL



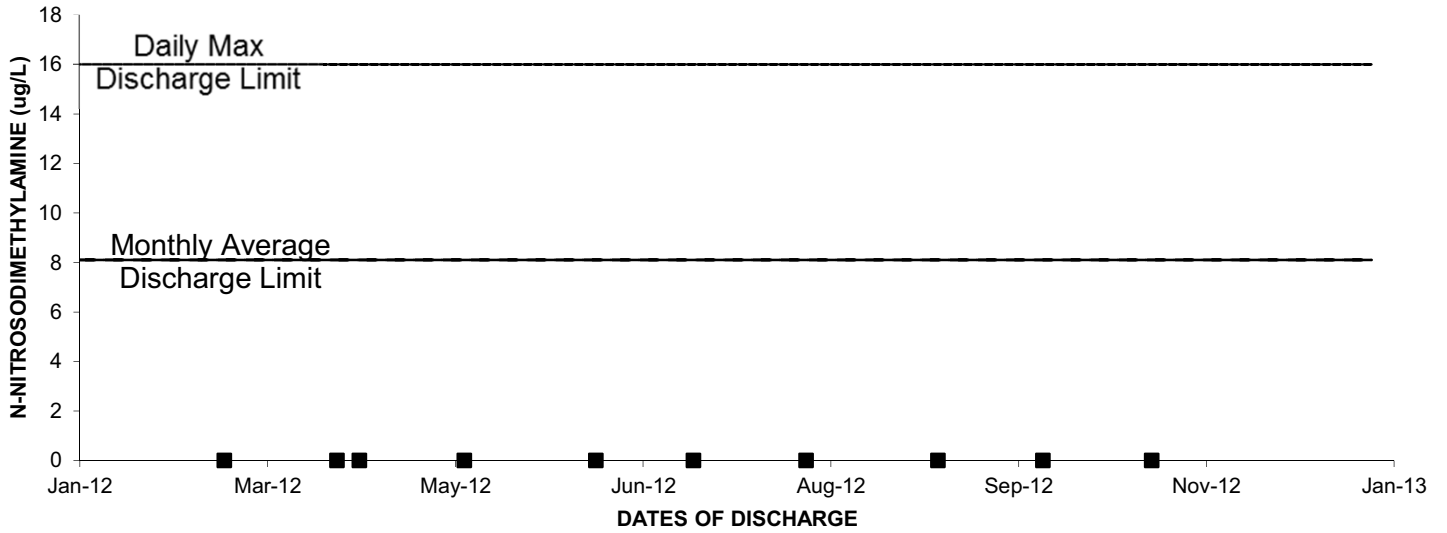
2012: OUTFALL 019 2,4-DINITROTOLUENE



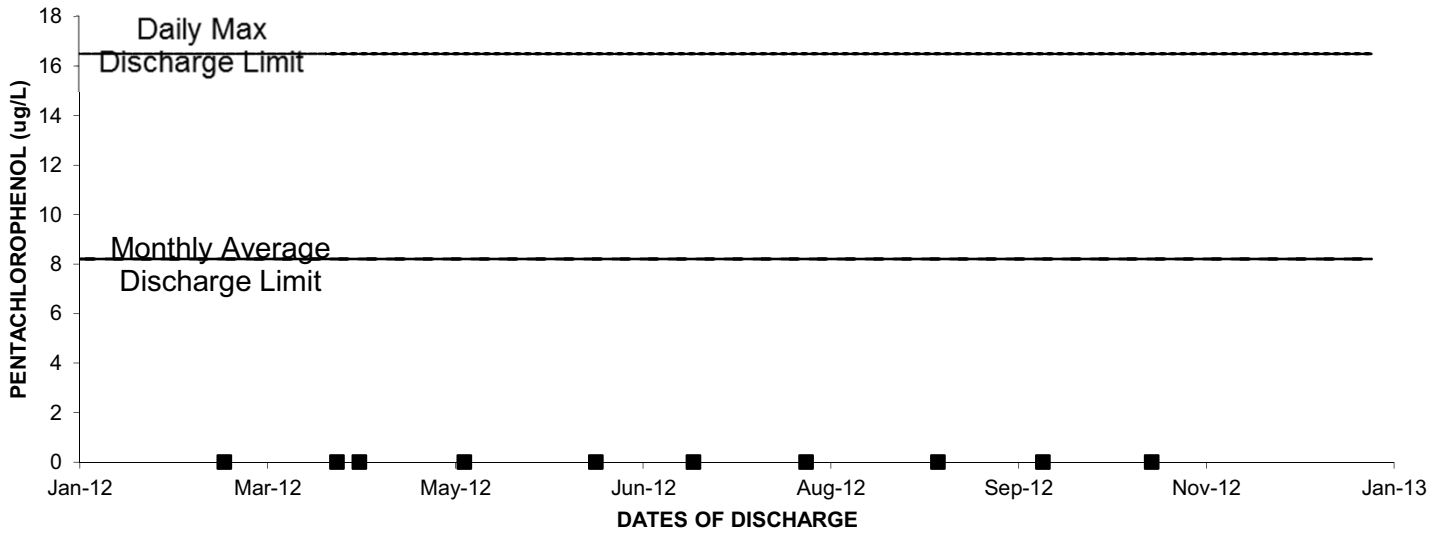
2012: OUTFALL 019 BIS (2-ETHYLHEXYL) PHTHALATE



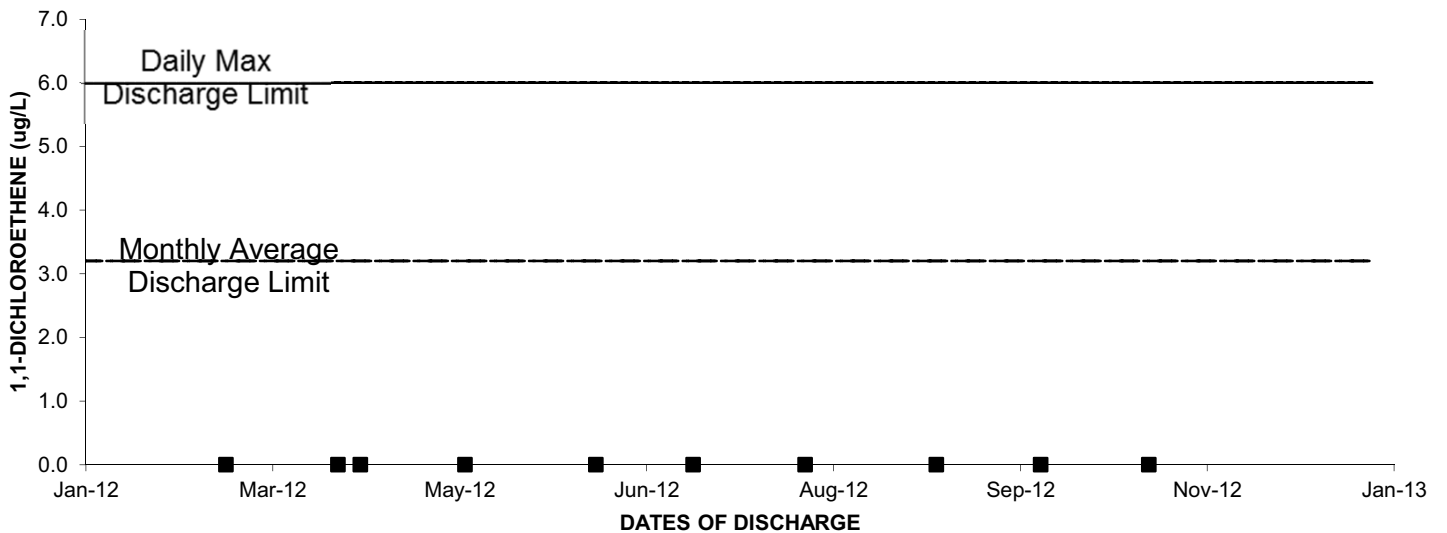
2012: OUTFALL 019 N-NITROSODIMETHYLAMINE



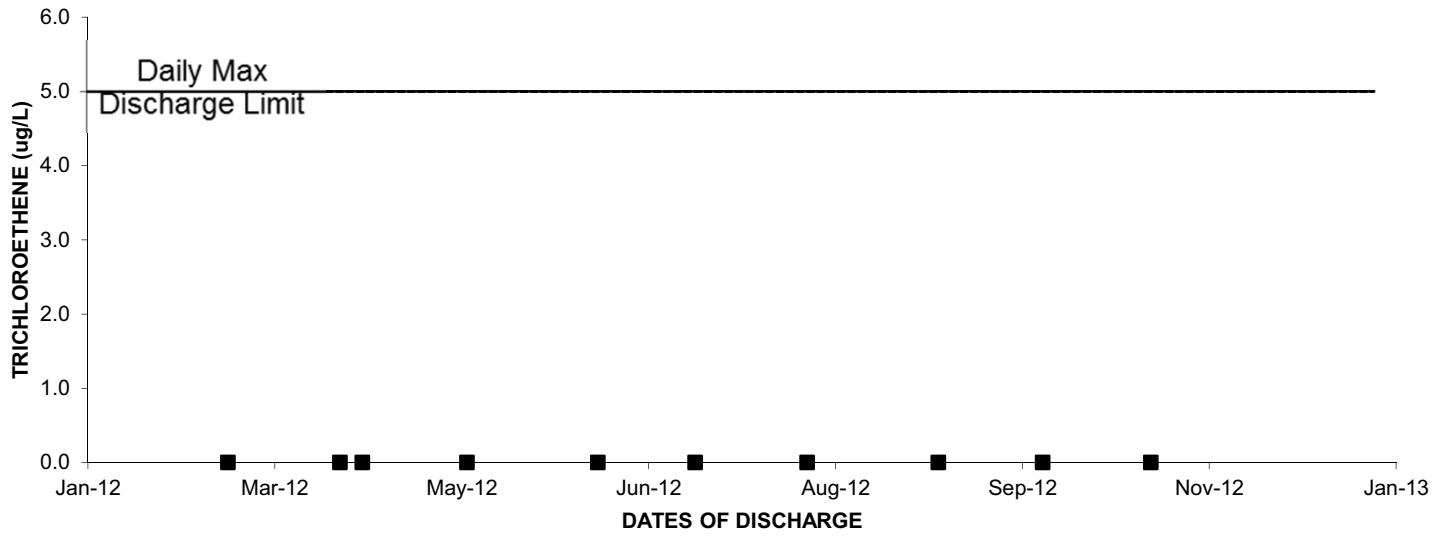
2012: OUTFALL 019 PENTACHLOROPHENOL



2012: OUTFALL 019 1,1-DICHLOROETHENE



2012: OUTFALL 019 TRICHLOROETHENE



2012: Outfall 019 TCDD

