SECTION 7

OUTFALL 011 (PERIMETER POND WEIR)
ANNUAL 2011 REPORTING SUMMARY

OUTFALL 011 (Perimeter Pond Weir)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			03/20/2011-03/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Comp	2.0	*
Chloride	mg/L	150/-	Comp	2.5	*
Dissolved Oxygen	mg/L	-/-	Grab	9.12	*
E. Coli	MPN/100 ml	-/-	Grab	300	*
Fecal Coliform	MPN/100 ml	-/-	Grab	300	*
Total Residual Chlorine (Field)	mg/L	0.1/-	Grab	0.0	*
Specific Conductivity (Lab)	umhos/cm	-/-	Comp	89	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	Comp	0.17	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	0.52	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.44	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.4	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.5	*
Total Settleable Solids	ml/L	0.3/-	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	4.4	*
Temperature	deg. F	86/-	Grab	50	*
Total Cyanide	ug/L	8.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	83	*
Hardness	mg/L	-/-	Comp	38	--
Hardness, dissolved	mg/L	-/-	Comp	32	--
Total Organic Carbon	mg/L	-/-	Comp	9.1	--
Total Suspended Solids	mg/L	45/-	Comp	35	--
Turbidity	NTU	-/-	Comp	97	--
Volume Discharged	MGD	160/-	Meas	7.22342	*
METALS					
Antimony	ug/L	6.0/-	Comp	0.81	Ja* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	0.64	Ja* (DNQ)
Arsenic	ug/L	10/-	Comp	8.9	J (DNQ)
Arsenic, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Barium	mg/L	1.0/-	Comp	0.028	--
Barium, dissolved	mg/L	-/-	Comp	0.017	--
Beryllium	ug/L	4.0/-	Comp	ND < 0.90	U
Beryllium, dissolved	ug/L	-/-	Comp	ND < 0.90	U
Boron	mg/L	-/-	Comp	0.039	J (C, DNQ)
Boron, dissolved	mg/L	-/-	Comp	0.044	J (DNQ)
Cadmium	ug/L	3.1/-	Comp	0.16	Ja* (DNQ)
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*

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ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Calcium	mg/L	-/-	Comp	10	--
Calcium, Dissolved	mg/L	-/-	Comp	9.4	--
Chromium	ug/L	16/-	Comp	5.9	--
Chromium, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Chromium VI	ug/L	16/-	Comp	ND < 0.250	H3*
Cobalt	ug/L	-/-	Comp	2.2	J (DNQ)
Cobalt, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Copper	ug/L	14/-	Comp	5.15	*
Copper, dissolved	ug/L	-/-	Comp	2.32	*
Iron	mg/L	0.3/-	Comp	3.6	--
Iron, dissolved	mg/L	-/-	Comp	0.059	--
Lead	ug/L	5.2/-	Comp	3.5	*
Lead, dissolved	ug/L	-/-	Comp	0.35	Ja* (DNQ)
Magnesium	mg/L	-/-	Comp	3.2	J (C)
Magnesium, Dissolved	mg/L	-/-	Comp	2.1	--
Manganese	ug/L	50/-	Comp	55	--
Manganese, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Mercury	ug/L	0.10/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/-	Comp	4.5	J (DNQ)
Nickel, dissolved	ug/L	-/-	Comp	2.2	J (DNQ)
Selenium	ug/L	8.2/-	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	4.1/-	Comp	ND < 0.10	*
Silver, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	Comp	7.3	J (DNQ)
Vanadium, dissolved	ug/L	-/-	Comp	ND < 3.0	U
Zinc	ug/L	119/-	Comp	28.4	--
Zinc, Dissolved	ug/L	-/-	Comp	ND < 6.00	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	0.5/-	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	Comp	ND < 1.0	*
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*

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ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
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	-/-	Grab	ND < 0.094	*
GRO (C4 - C12)	mg/L	-/-	Grab	ND < 0.025	*
ADDITIONAL ANALYTES					
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	Grab	ND < 1.1	*
1,1,2,2-Tetrachloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,2,4-Trichlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
1,2-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.32	*
1,2-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
1,2-Dichloropropane	ug/L	-/-	Grab	ND < 0.35	*
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	Comp	ND < 0.0943	UJ (C)
1,3-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
1,3-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.35	*
1,4-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.37	*
1,4-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.189	U
2,4,6-Trichlorophenol	ug/L	13/-	Comp	ND < 0.0943	U
2,4-Dichlorophenol	ug/L	-/-	Comp	ND < 0.189	U
2,4-Dimethylphenol	ug/L	-/-	Comp	ND < 0.283	U
2,4-Dinitrophenol	ug/L	-/-	Comp	ND < 0.849	U
2,4-Dinitrotoluene	ug/L	18/-	Comp	ND < 0.189	U
2,6-Dinitrotoluene	ug/L	-/-	Comp	ND < 0.0943	U
2-Chloroethylvinylether	ug/L	-/-	Grab	ND < 1.8	*
2-Chloronaphthalene	ug/L	-/-	Comp	ND < 0.0943	U
2-Chlorophenol	ug/L	-/-	Comp	ND < 0.189	U
2-Methyl-4,6-dinitrophenol	ug/L	-/-	Comp	ND < 0.189	U
2-Nitrophenol	ug/L	-/-	Comp	ND < 0.0943	U
3,3'-Dichlorobenzidine	ug/L	-/-	Comp	ND < 4.72	U
4,4'-DDD	ug/L	-/-	Comp	ND < 0.0038	C*
4,4'-DDE	ug/L	-/-	Comp	ND < 0.0028	C*
4,4'-DDT	ug/L	-/-	Comp	ND < 0.0038	*
4-Bromophenylphenylether	ug/L	-/-	Comp	ND < 0.0943	U
4-Chloro-3-methylphenol	ug/L	-/-	Comp	ND < 0.189	U
4-Chlorophenylphenylether	ug/L	-/-	Comp	ND < 0.0943	U

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ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
4-Nitrophenol	ug/L	-/-	Comp	ND < 2.36	U
Acenaphthene	ug/L	-/-	Comp	ND < 0.0943	U
Acenaphthylene	ug/L	-/-	Comp	ND < 0.0943	U
Acrolein	ug/L	-/-	Grab	ND < 4.0	*
Acrylonitrile	ug/L	-/-	Grab	ND < 1.2	*
Acute Toxicity	% SURVIVAL	70-100/-	Comp	100	*
Aldrin	ug/L	-/-	Comp	ND < 0.0014	C*
alpha-BHC	ug/L	0.03/-	Comp	ND < 0.0024	C*
Anthracene	ug/L	-/-	Comp	ND < 0.0943	U
Aroclor-1016	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1221	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1232	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1242	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1248	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1254	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1260	ug/L	-/-	Comp	ND < 0.24	*
Benzidine	ug/L	-/-	Comp	ND < 4.72	R (L)
Benzo(a)anthracene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(a)pyrene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(b)fluoranthene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(g,h,I)perylene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(k)fluoranthene	ug/L	-/-	Comp	ND < 0.0943	U
beta-BHC	ug/L	-/-	Comp	ND < 0.0038	*
bis (2-Chloroethyl) ether	ug/L	-/-	Comp	ND < 0.0943	U
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.60	U
bis(2-Chloroethoxy) methane	ug/L	-/-	Comp	ND < 0.0943	U
bis(2-Chloroisopropyl) ether	ug/L	-/-	Comp	ND < 0.0943	U
Bromodichloromethane	ug/L	-/-	Grab	ND < 0.30	*
Bromoform	ug/L	-/-	Grab	ND < 0.40	*
Bromomethane	ug/L	-/-	Grab	ND < 0.42	*
Butylbenzylphthalate	ug/L	-/-	Comp	ND < 4.72	U (B)
Chlordane	ug/L	-/-	Comp	ND < 0.075	*
Chlorobenzene	ug/L	-/-	Grab	ND < 0.36	*
Chloroethane	ug/L	-/-	Grab	ND < 0.40	*
Chloromethane	ug/L	-/-	Grab	ND < 0.40	*
Chronic Toxicity	TUC	1.0/-	Comp	1.0	*
Chrysene	ug/L	-/-	Comp	ND < 0.0943	U
cis-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.32	*
cis-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.22	*
Cyclohexane	ug/L	-/-	Grab	ND < 0.40	*
delta-BHC	ug/L	-/-	Comp	ND < 0.0033	C*

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ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Dibenzo(a,h)anthracene	ug/L	-/-	Comp	ND < 0.0943	U
Dibromochloromethane	ug/L	-/-	Grab	ND < 0.40	*
Dieldrin	ug/L	-/-	Comp	ND < 0.0019	C*
Diethylphthalate	ug/L	-/-	Comp	0.302	J (DNQ)
Dimethylphthalate	ug/L	-/-	Comp	ND < 0.0943	U
Di-n-butylphthalate	ug/L	-/-	Comp	0.396	J (DNQ)
Di-n-octylphthalate	ug/L	-/-	Comp	ND < 0.0943	U
Endosulfan I	ug/L	-/-	Comp	ND < 0.0019	*
Endosulfan II	ug/L	-/-	Comp	ND < 0.0028	*
Endosulfan sulfate	ug/L	-/-	Comp	ND < 0.0028	C*
Endrin	ug/L	-/-	Comp	ND < 0.0019	C*
Endrin aldehyde	ug/L	-/-	Comp	ND < 0.0019	*
Fluoranthene	ug/L	-/-	Comp	ND < 0.0943	U
Fluorene	ug/L	-/-	Comp	ND < 0.0943	U
Heptachlor	ug/L	-/-	Comp	ND < 0.0028	C*
Heptachlor epoxide	ug/L	-/-	Comp	ND < 0.0024	*
Hexachlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
Hexachlorobutadiene	ug/L	-/-	Comp	ND < 0.189	U
Hexachlorocyclopentadiene	ug/L	-/-	Comp	ND < 0.0943	U
Hexachloroethane	ug/L	-/-	Comp	ND < 0.189	U
Hydrazine	ug/L	-/-	Comp	ND < 0.439	U
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	Comp	ND < 1.13	U
Indeno(1,2,3-cd)pyrene	ug/L	-/-	Comp	ND < 0.0943	U
Isophorone	ug/L	-/-	Comp	ND < 0.0943	U
Lindane (gamma-BHC)	ug/L	-/-	Comp	ND < 0.0028	C*
Methylene Chloride	ug/L	-/-	Grab	ND < 0.95	*
Monomethyl Hydrazine	ug/L	-/-	Comp	ND < 1.77	U
Naphthalene	ug/L	-/-	Comp	ND < 0.0943	U
Nitrobenzene	ug/L	-/-	Comp	ND < 0.0943	U
n-Nitrosodimethylamine	ug/L	16/-	Comp	ND < 0.0943	U
n-Nitroso-di-n-propylamine	ug/L	-/-	Comp	ND < 0.0943	U
n-Nitrosodiphenylamine	ug/L	-/-	Comp	ND < 0.0943	U
Pentachlorophenol	ug/L	16.5/-	Comp	ND < 0.0943	U
Phenanthrene	ug/L	-/-	Comp	ND < 0.0943	U
Phenol	ug/L	-/-	Comp	ND < 0.283	U
Pyrene	ug/L	-/-	Comp	ND < 0.0943	U
Toxaphene	ug/L	-/-	Comp	ND < 0.24	*
trans-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.30	*
trans-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.32	L*

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Sample Type Composite
Sample Date March 20-21, 2011

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	9.60E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	6.90E-07	5.00E-05	2.00E-05	J (DNQ)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	9.20E-07	5.00E-05	ND	UJ (*III)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	6.90E-07	5.00E-05	ND	UJ (*III)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	4.10E-07	5.00E-05	ND	UJ (*III)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	6.50E-07	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	3.80E-07	5.00E-05	ND	UJ (*III)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	5.80E-07	5.00E-05	1.40E-06	J (DNQ)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	4.80E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	9.50E-07	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	6.90E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	3.70E-07	5.00E-05	ND	UJ (*III)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	7.20E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	8.60E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	6.70E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	2.50E-06	1.00E-04	4.30E-04	--		0.0001	0.01	**4.30E-10**
OCDF	1.10E-06	1.00E-04	3.60E-05	J (DNQ)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**4.30E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

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			03/20/2011 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY					
Gross Alpha	pCi/L	15/-	2.26 ± 0.46	0.276	J (C, DNQ)
Gross Beta	pCi/L	50/-	6.22 ± 0.70	0.866	--
Strontium-90	pCi/L	8.0/-	-0.018 ± 0.26	0.625	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.58 ± 0.47	0.96	U
Tritium	pCi/L	20000/-	-77.2 ± 96	167	U
Uranium, Total	pCi/L	20/-	0.321 ± 0.18	0.02	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 58.4	58.4	U
Cesium 137	pCi/L	200/-	ND < 3.25	3.25	U

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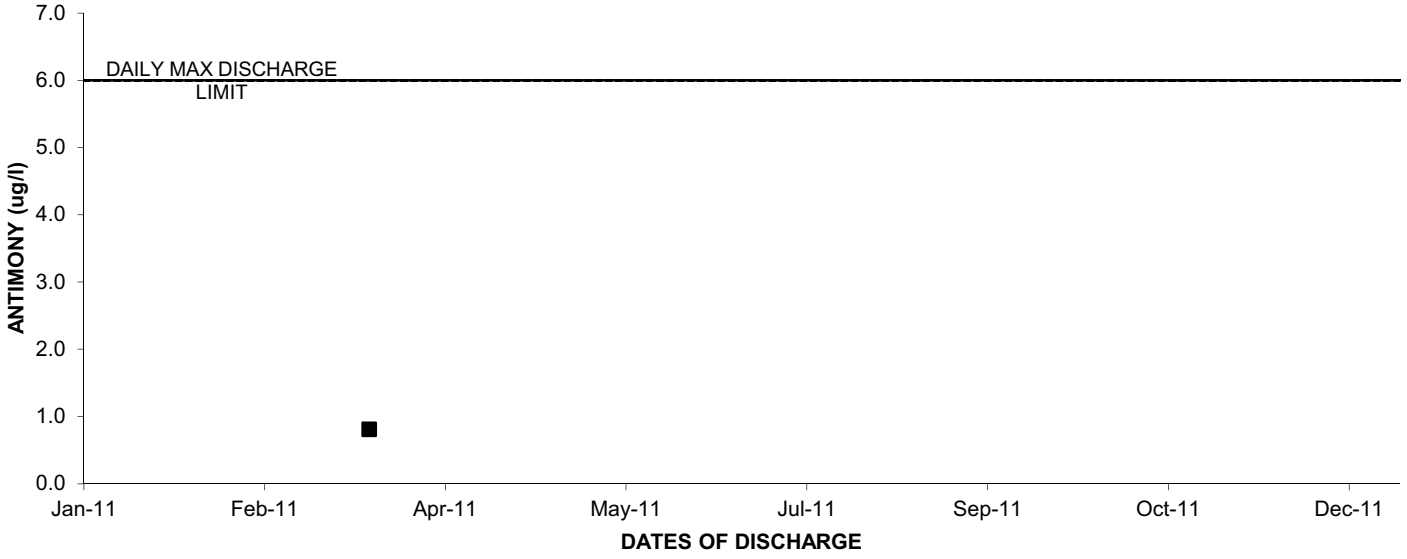
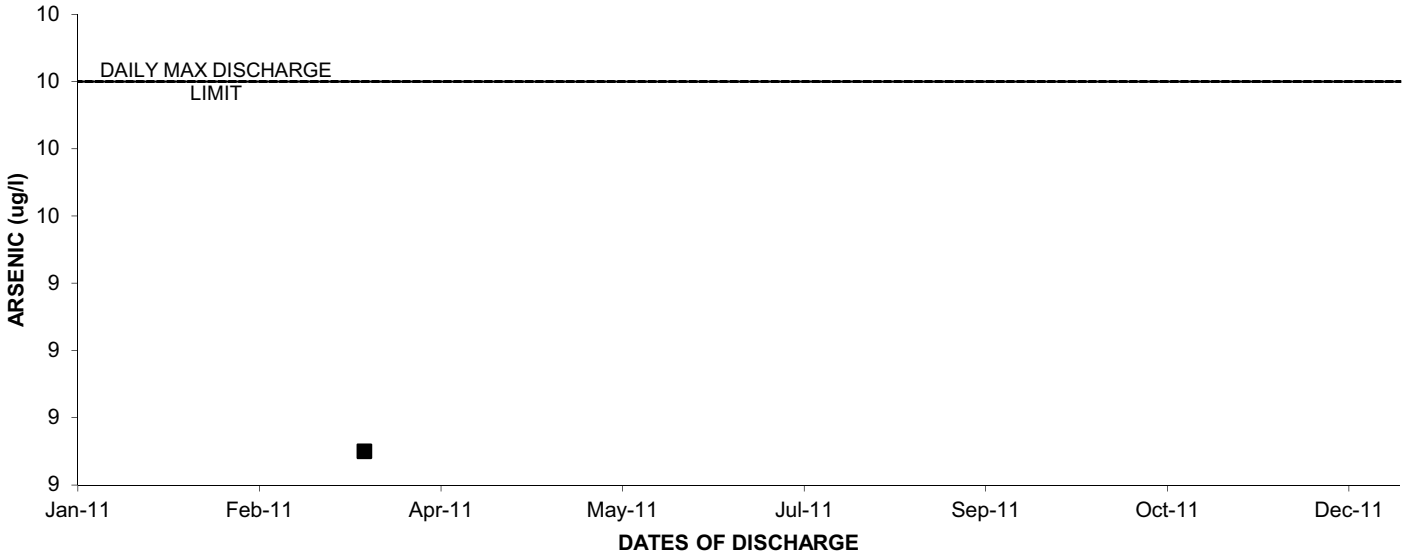
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	4.18256	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	69.77	*
Chloride	LBS/DAY	200,160/-	Comp	87.21	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	Comp	5.93	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	18.14	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	15.35	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	153.48	*
Total Cyanide	LBS/DAY	11/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	2895.25	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	1220.89	--
Total Residual Chlorine (Field)	LBS/DAY	133/-	Grab	0.0	*
Antimony	LBS/DAY	8.0/-	Comp	0.03	Ja* (DNQ)
Arsenic	LBS/DAY	67/-	Comp	0.31	J (DNQ)
Barium	LBS/DAY	1,330/-	Comp	0.98	--
Beryllium	LBS/DAY	5.3/-	Comp	ND	U
Cadmium	LBS/DAY	4.1/-	Comp	0.01	Ja* (DNQ)
Chromium	LBS/DAY	22/-	Comp	0.21	--
Copper	LBS/DAY	19/-	Comp	0.18	*
Iron	LBS/DAY	400/-	Comp	125.58	--
Lead	LBS/DAY	6.9/-	Comp	0.12	*
Manganese	LBS/DAY	66.7/-	Comp	1.92	--
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	Comp	0.16	J (DNQ)
Selenium	LBS/DAY	11/-	Comp	ND	*
Silver	LBS/DAY	5.5/-	Comp	ND	*
Thallium	LBS/DAY	2.7/-	Comp	ND	*
Zinc	LBS/DAY	159/-	Comp	0.99	--
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	U
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	U
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	C*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	U
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	U
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	1.50E-11	--

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

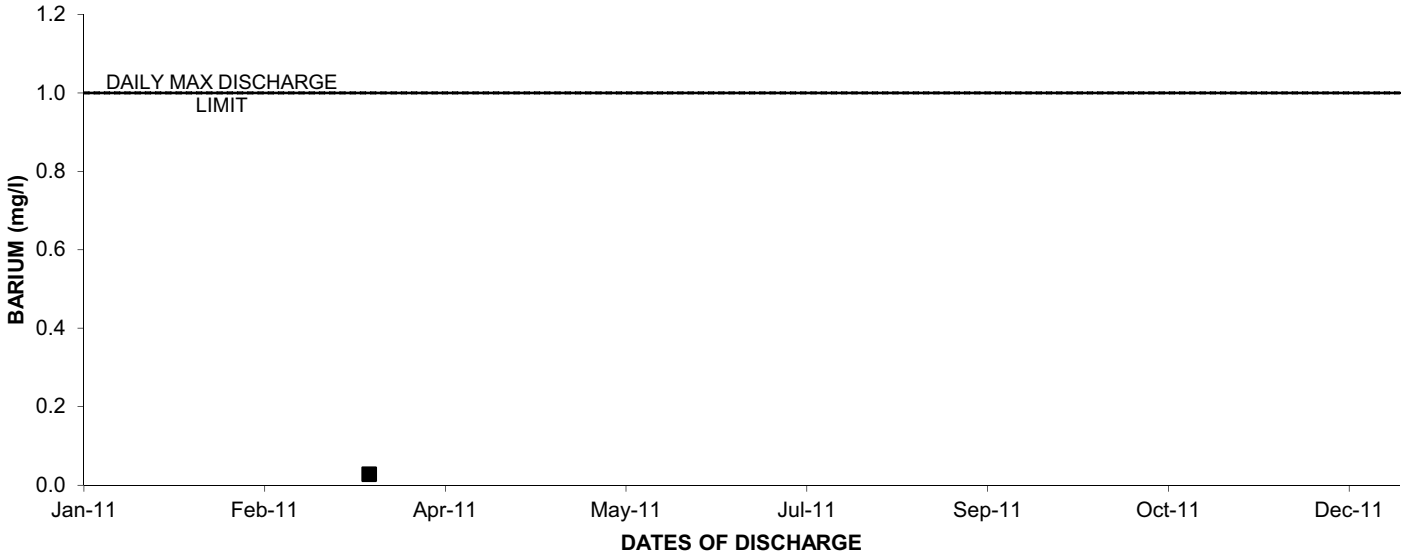
2011: OUTFALL 011 ANTIMONY



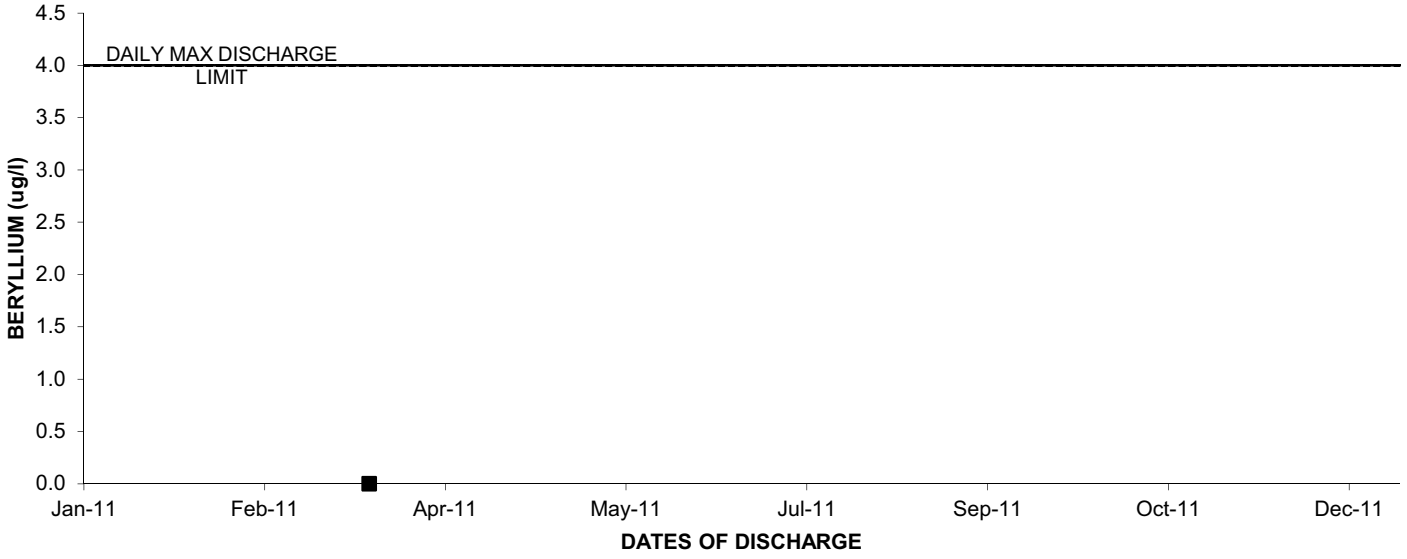
2011: OUTFALL 011 ARSENIC



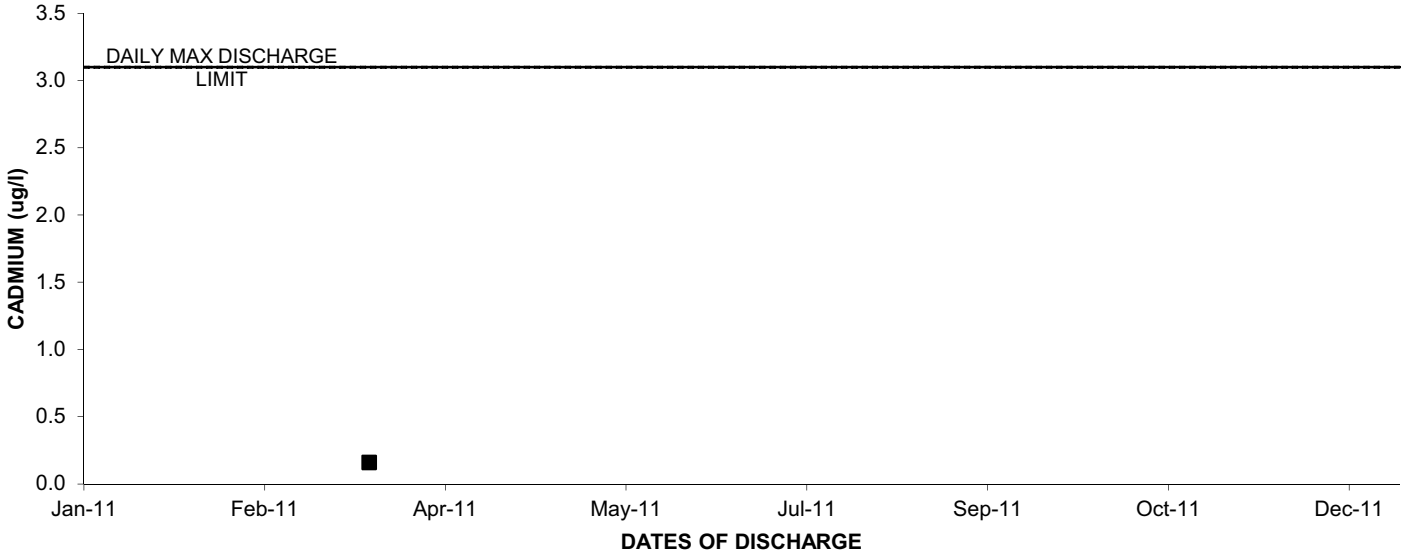
2011: OUTFALL 011 BARIUM



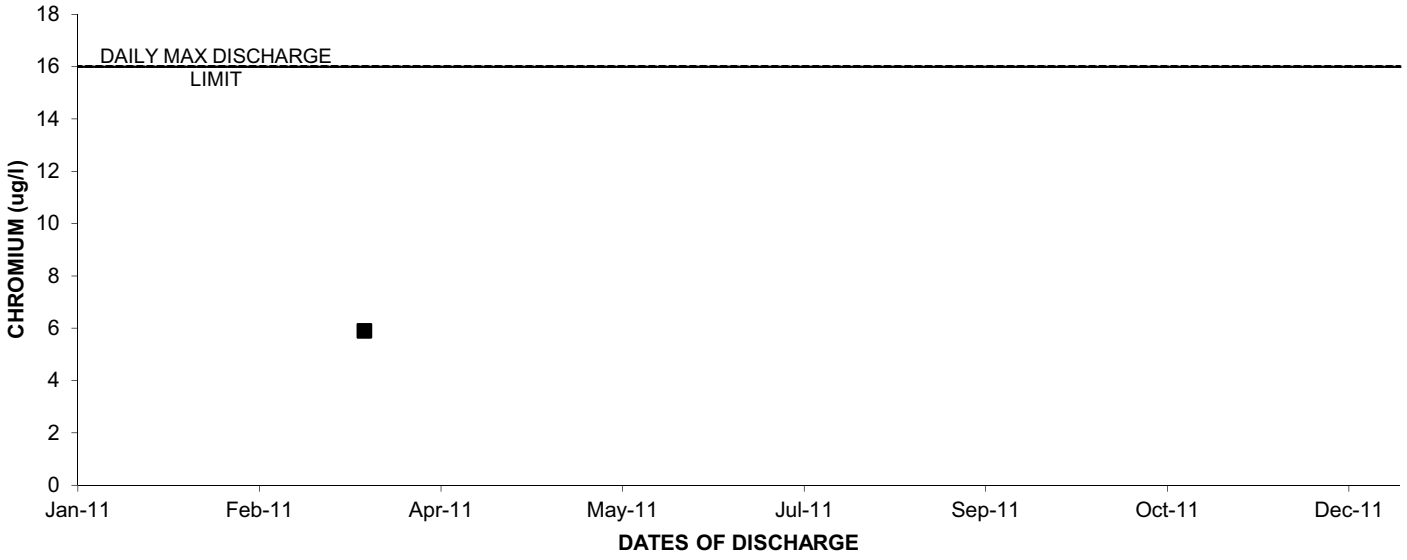
2011: OUTFALL 011 BERYLLIUM



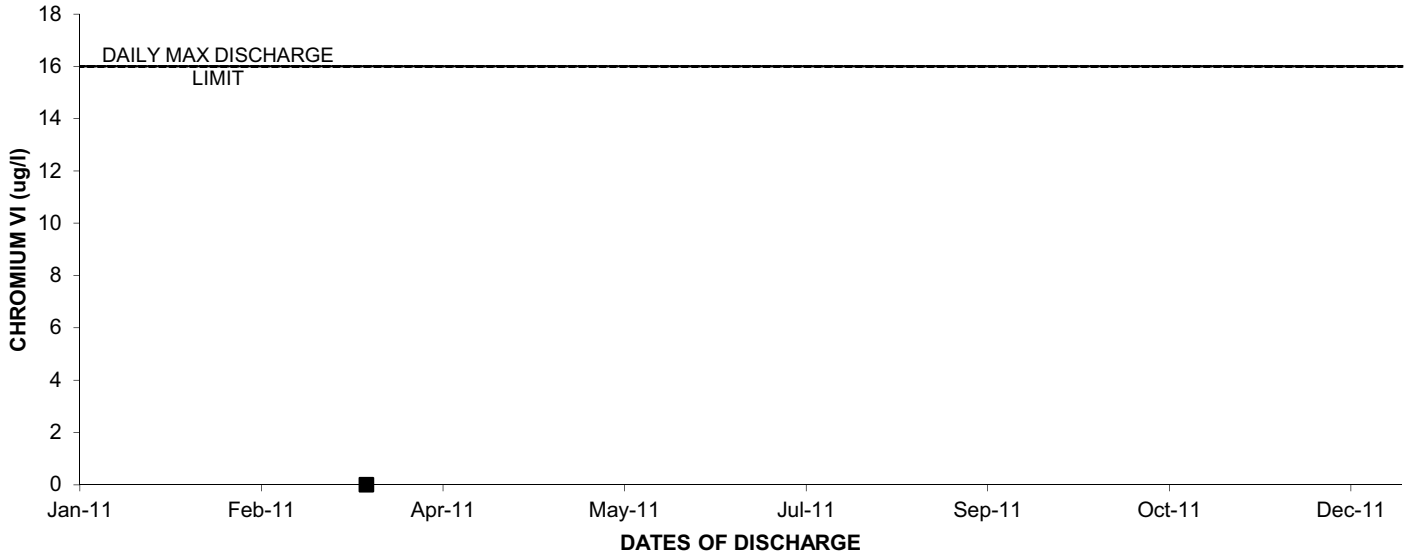
2011: OUTFALL 011 CADMIUM



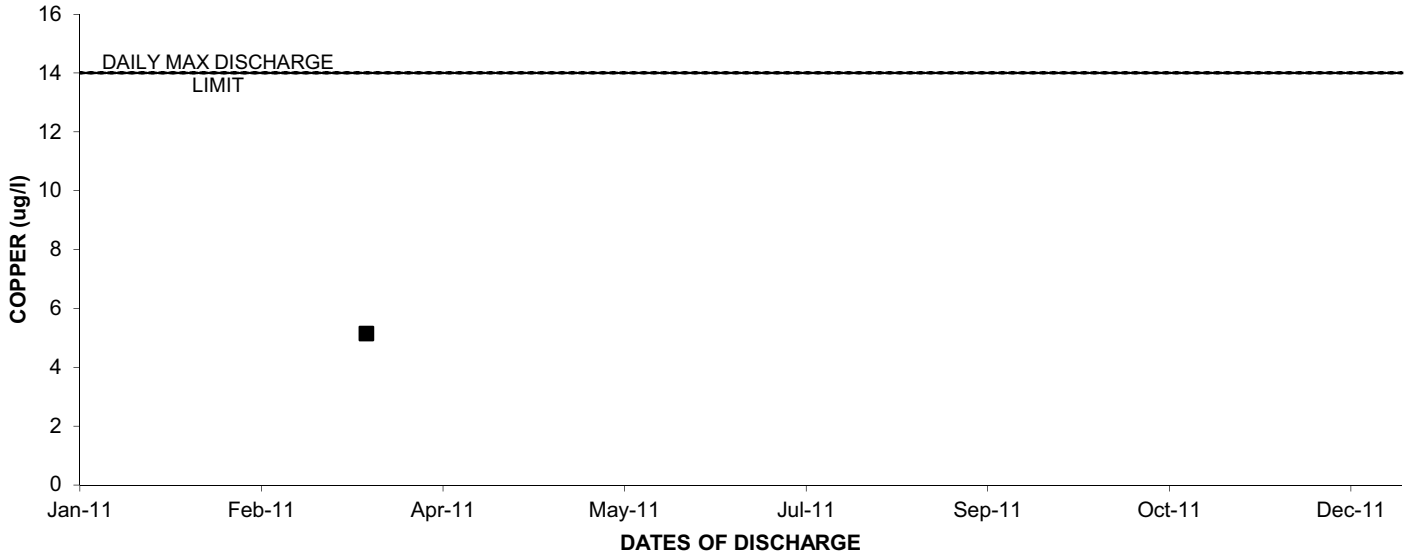
2011: OUTFALL 011 CHROMIUM



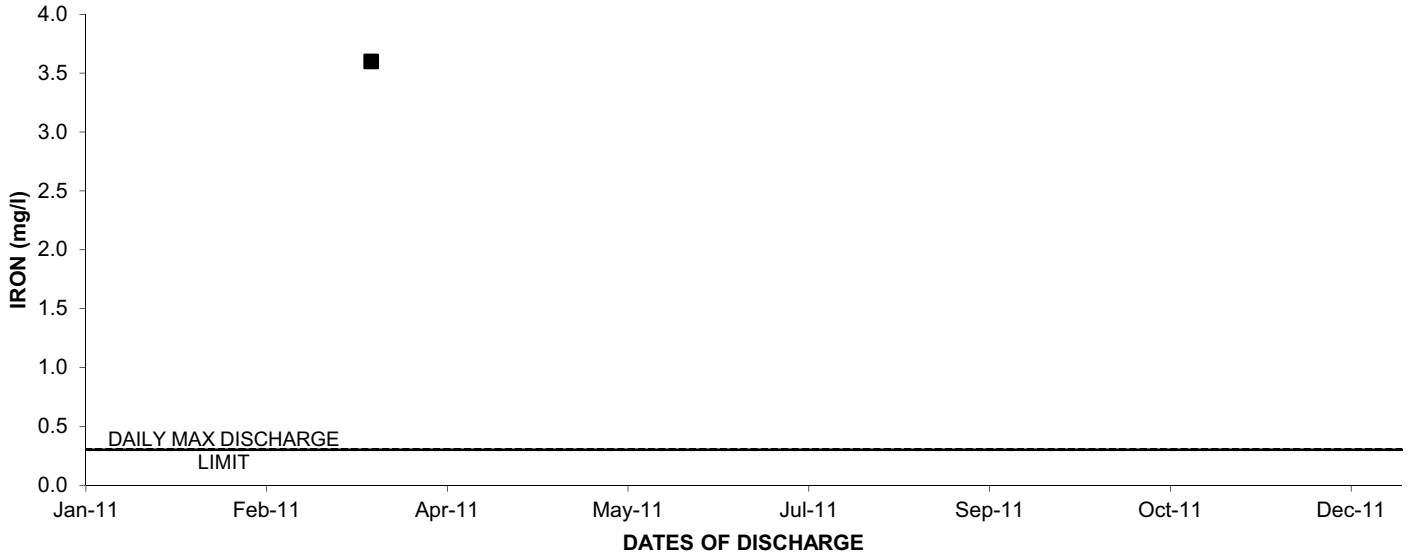
2011: OUTFALL 011 CHROMIUM VI



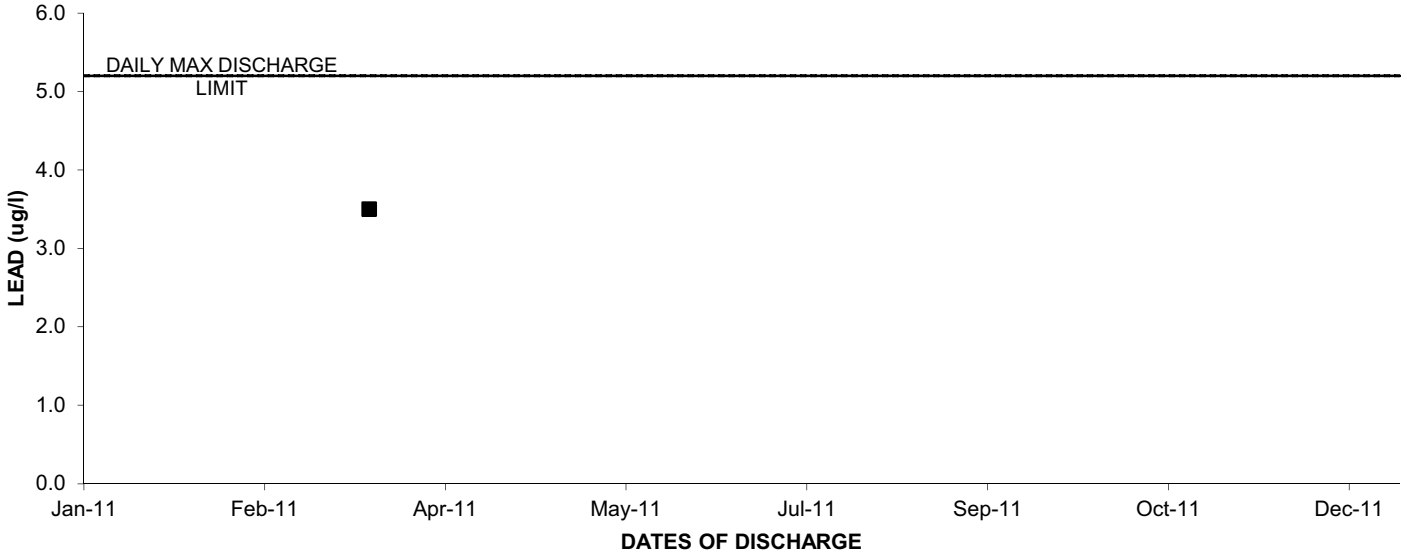
2011: OUTFALL 011 COPPER



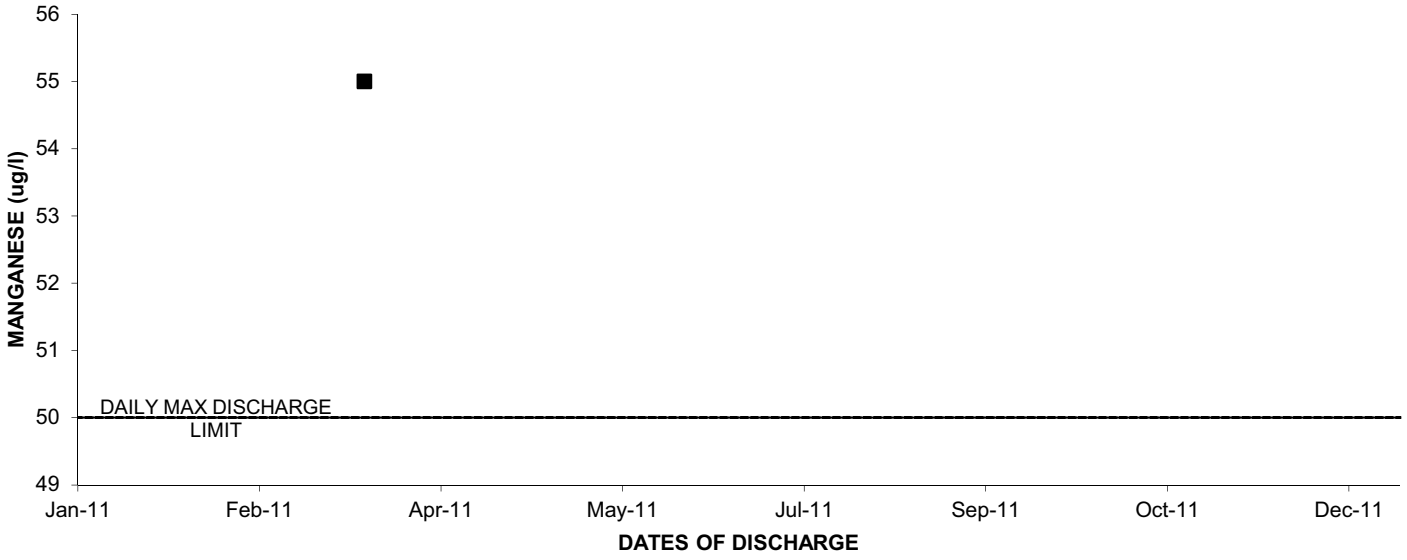
2011: OUTFALL 011 IRON



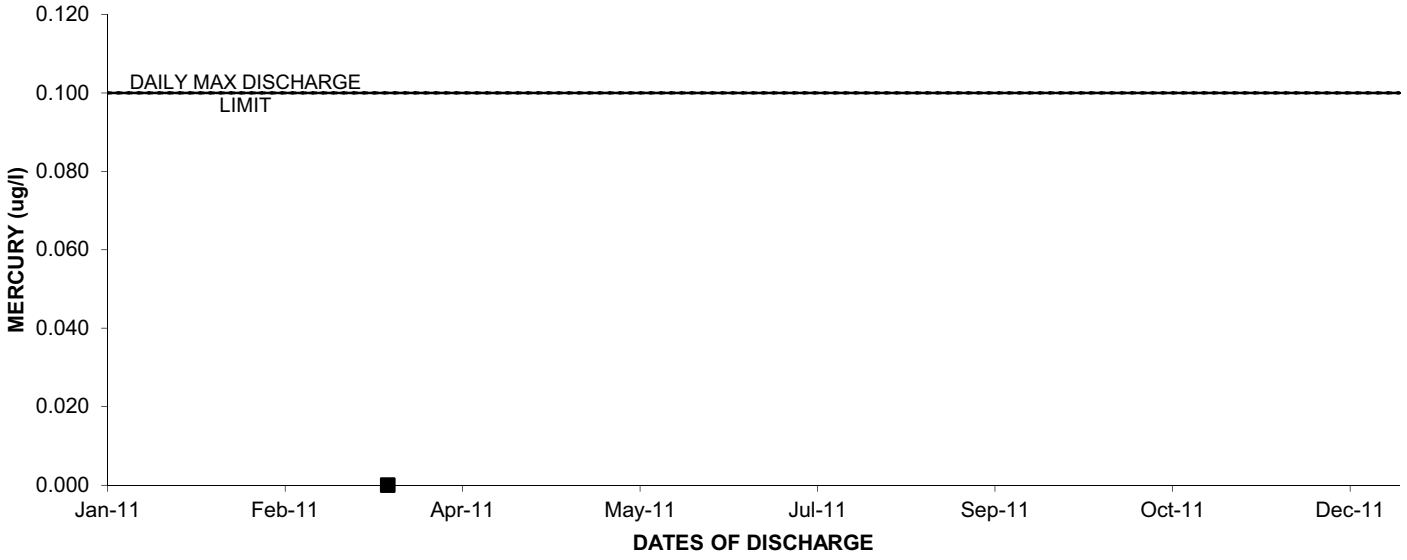
2011: OUTFALL 011 LEAD



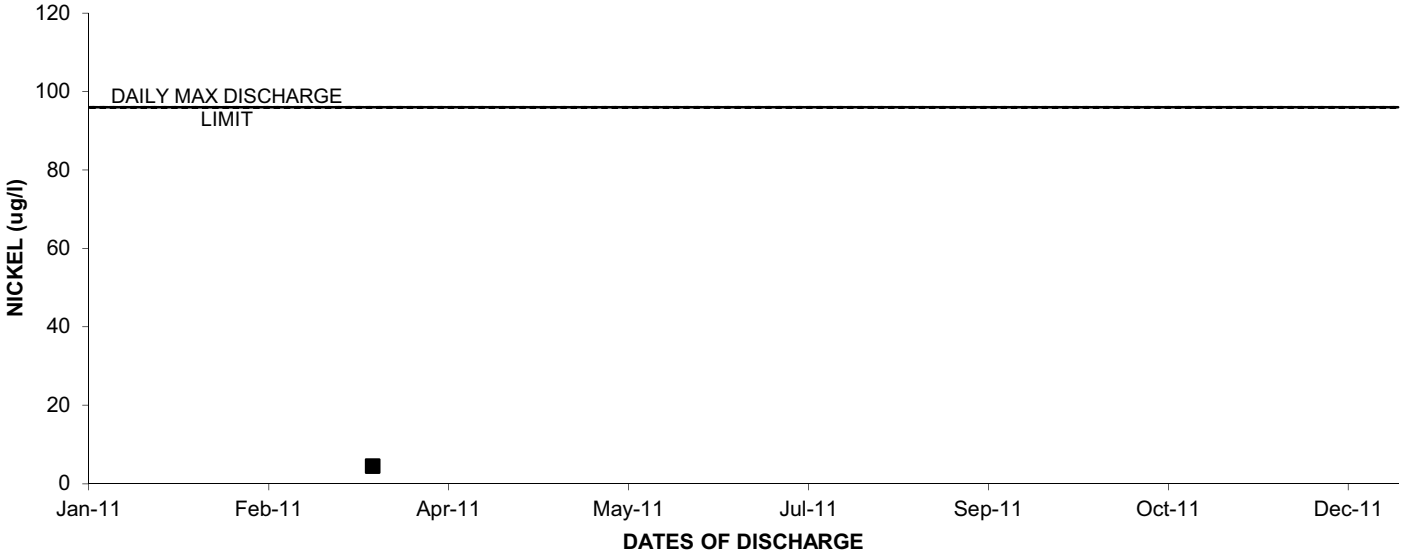
2011: OUTFALL 011 MANGANESE



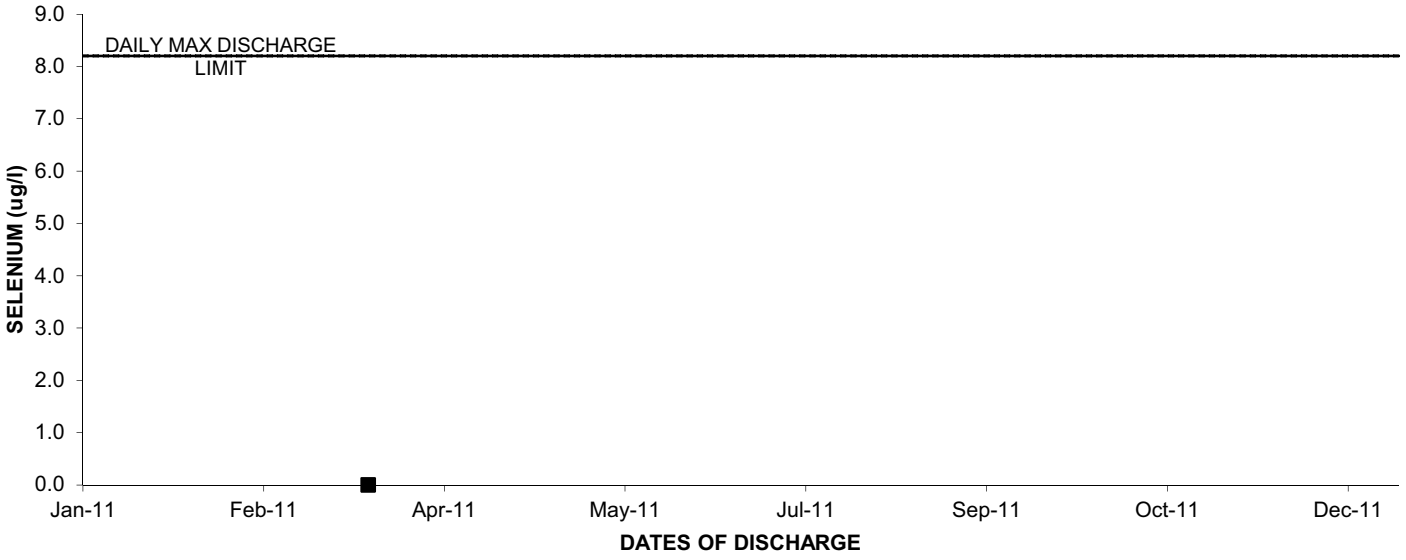
2011: OUTFALL 011 MERCURY



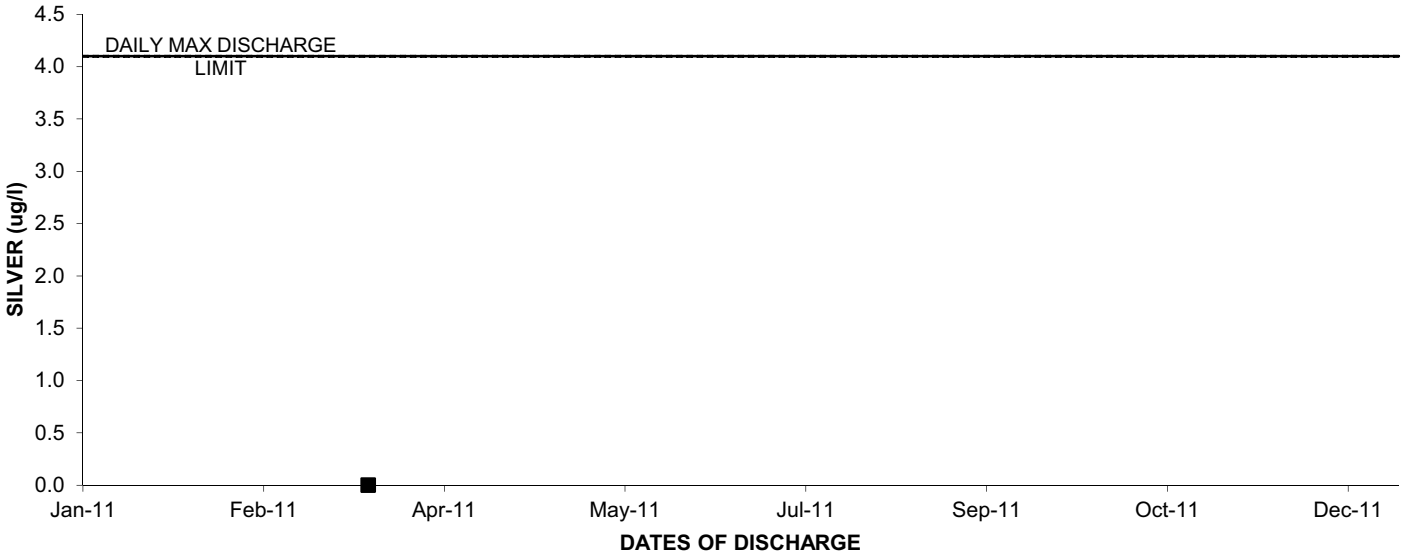
2011: OUTFALL 011 NICKEL



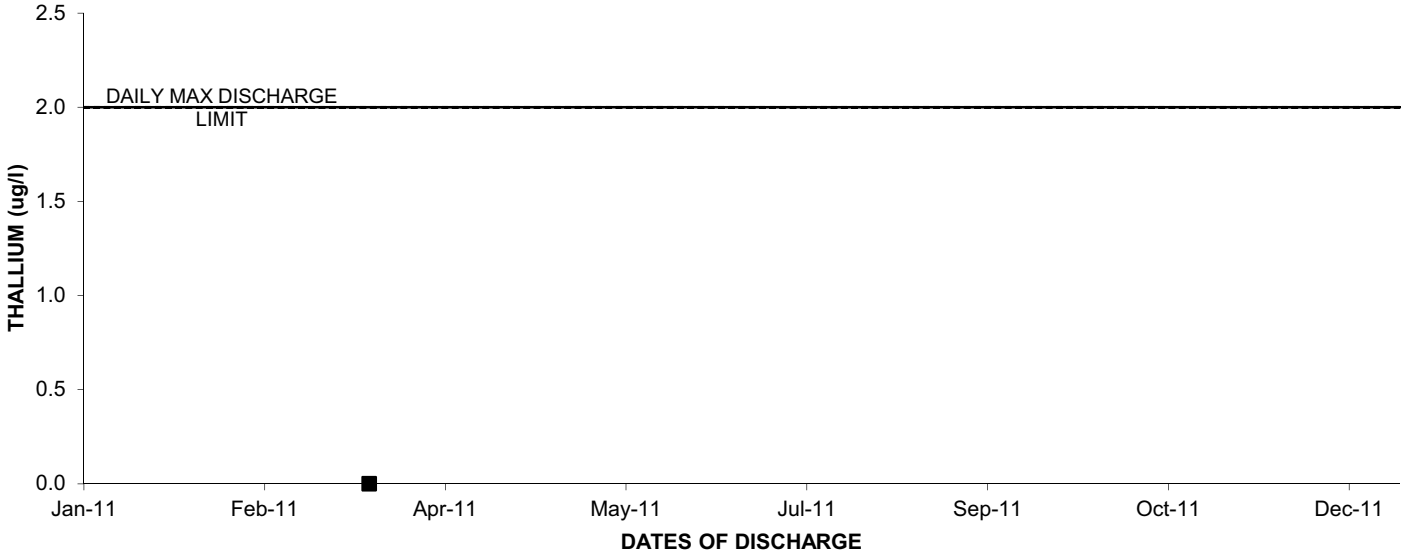
2011: OUTFALL 011 SELENIUM



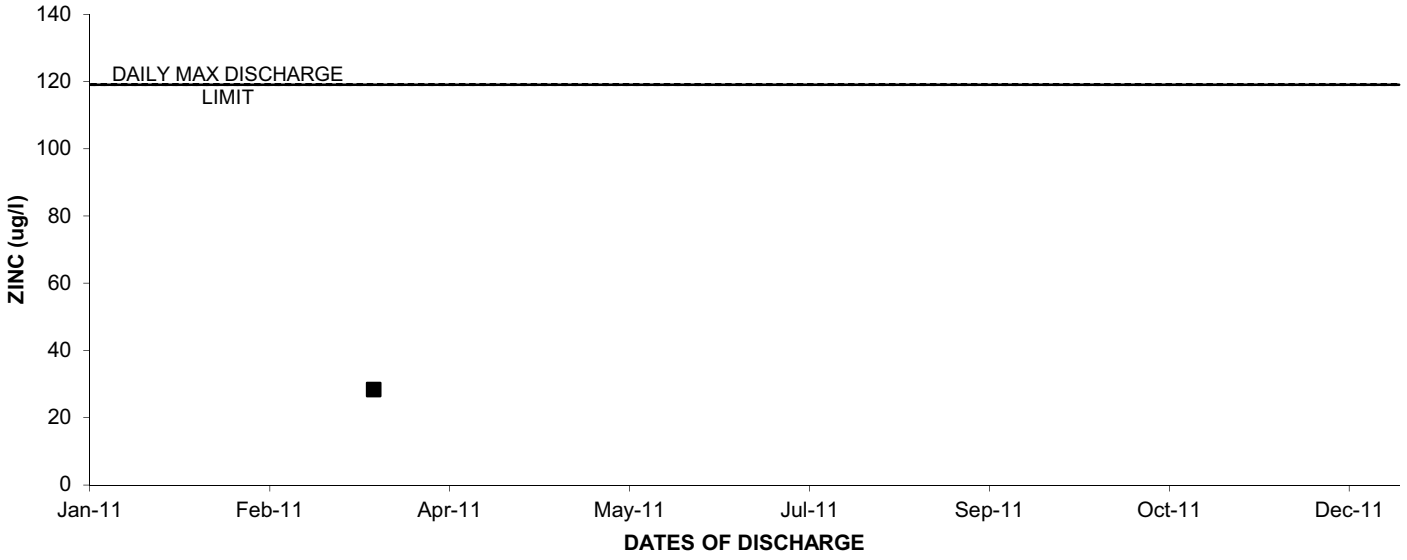
2011: OUTFALL 011 SILVER



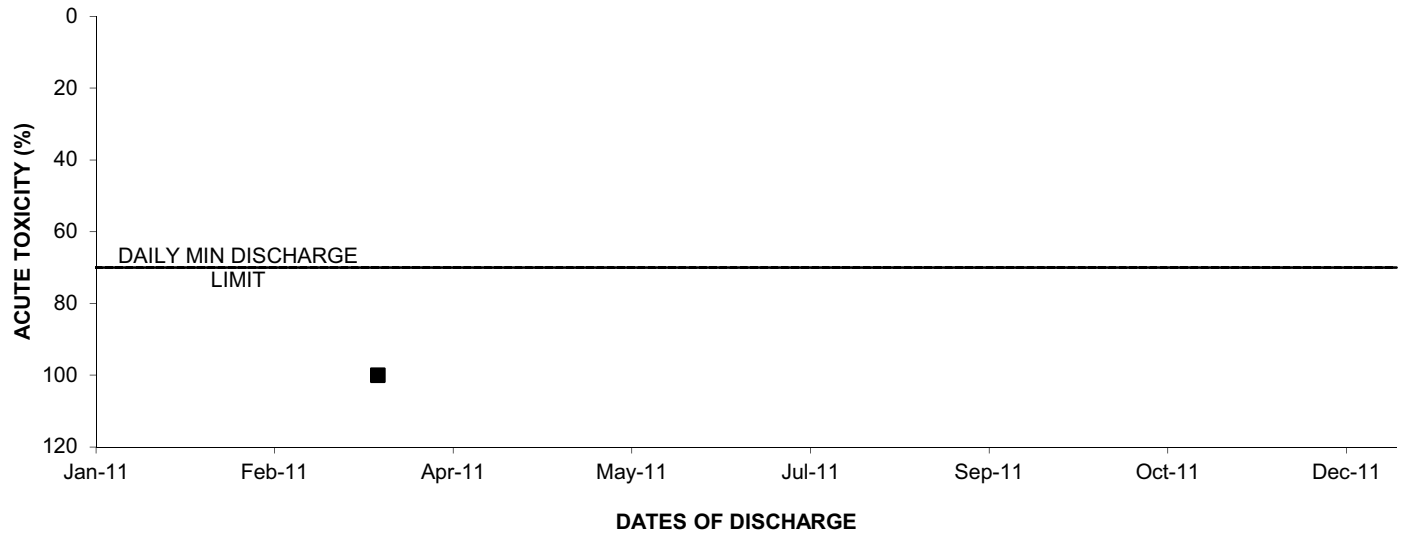
2011: OUTFALL 011 THALLIUM



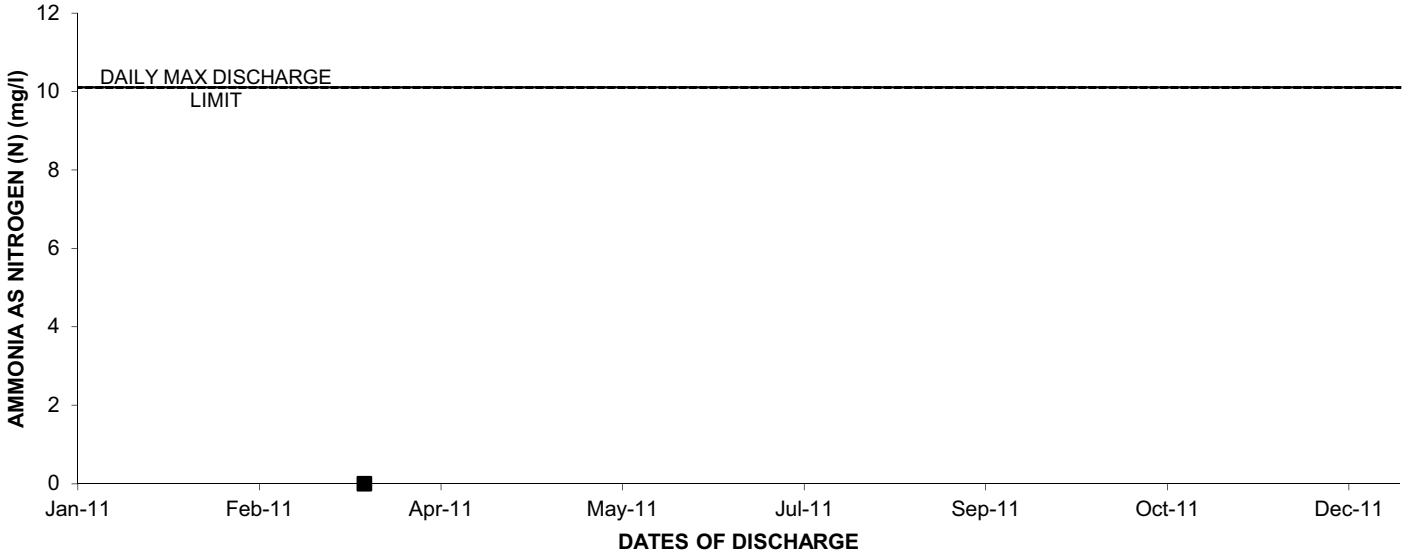
2011: OUTFALL 011 ZINC



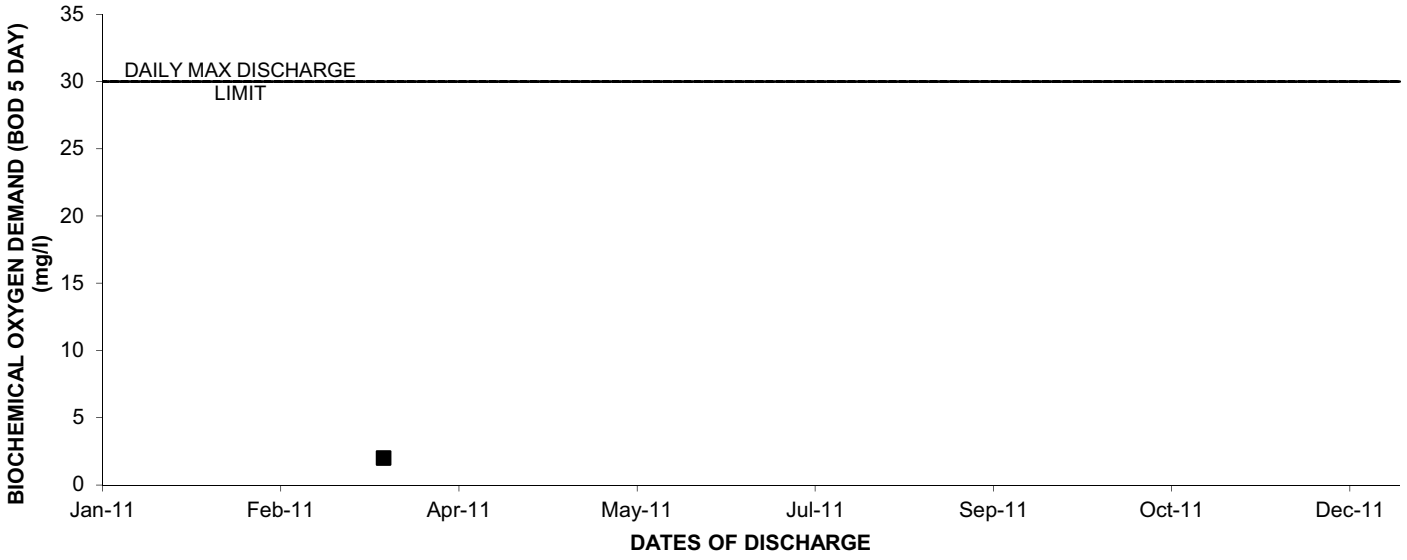
2011: OUTFALL 011 ACUTE TOXICITY



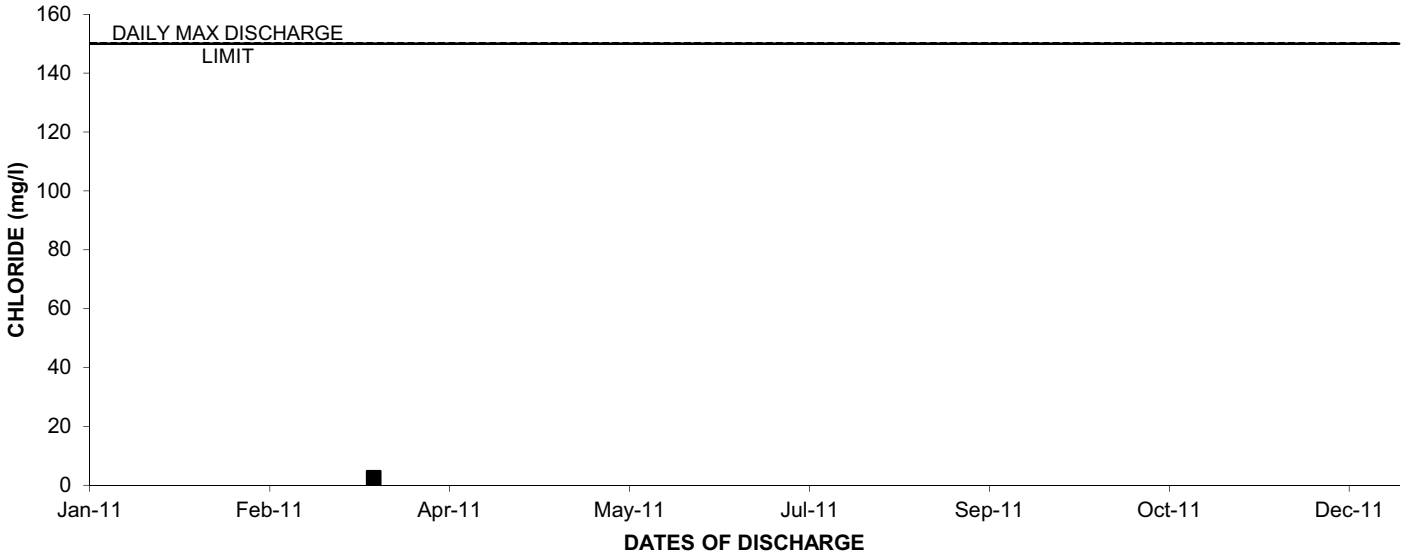
2011: OUTFALL 011 AMMONIA AS NITROGEN (N)



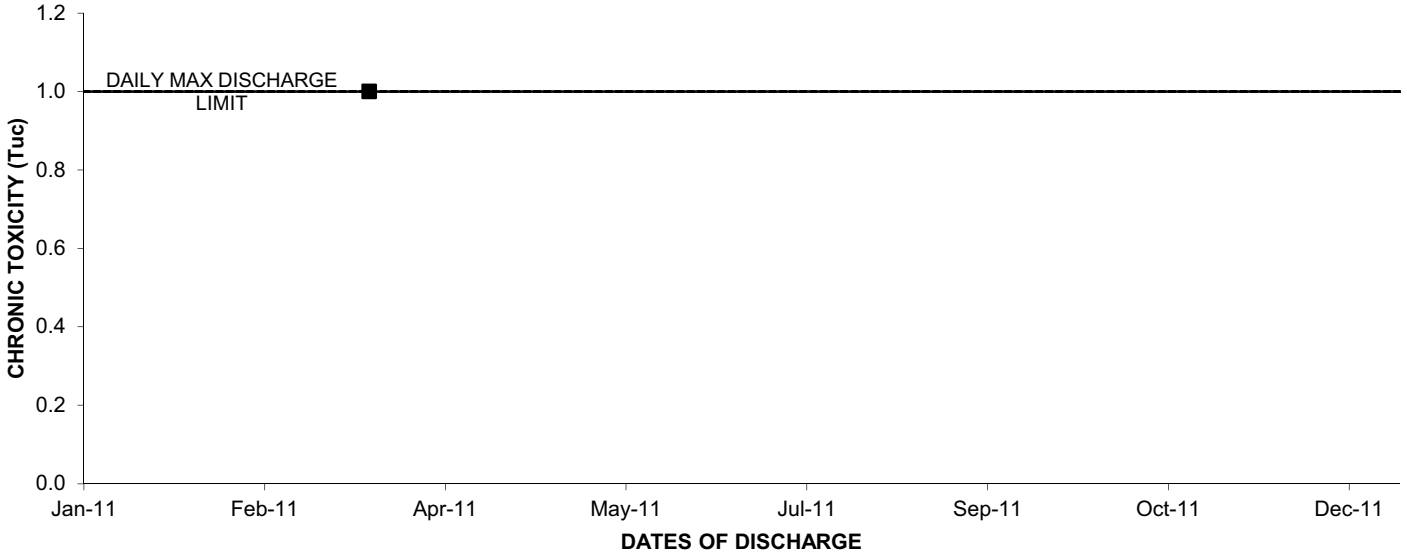
2011: OUTFALL 011 BIOCHEMICAL OXYGEN DEMAND (BOD 5 DAY)



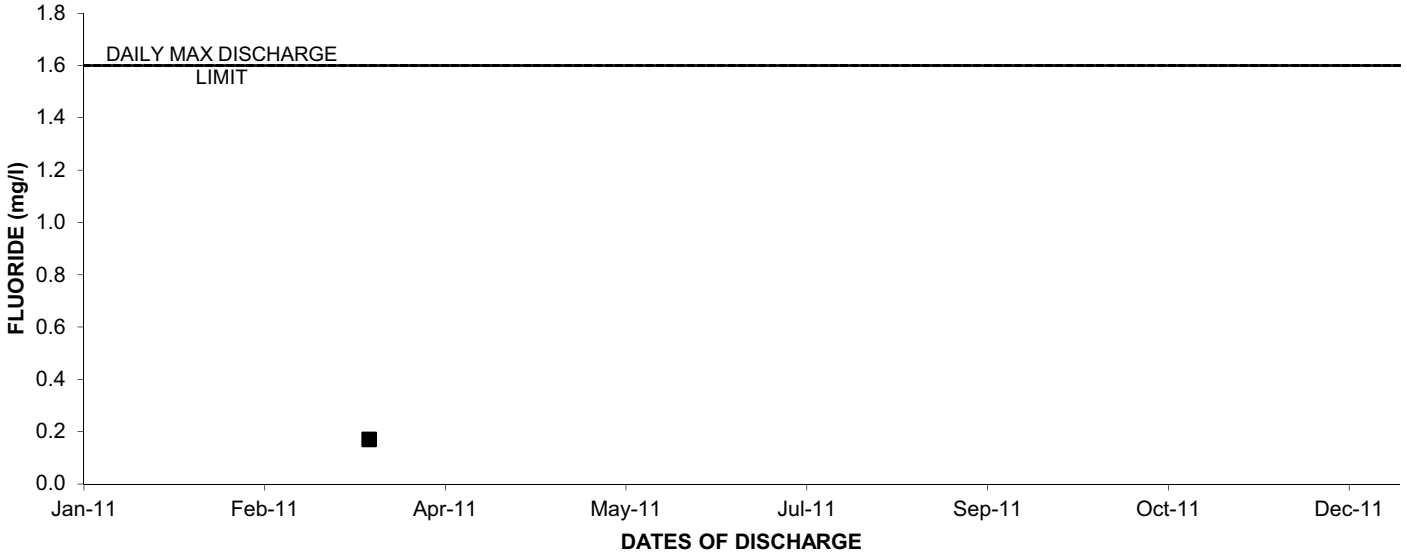
2011: OUTFALL 011 CHLORIDE



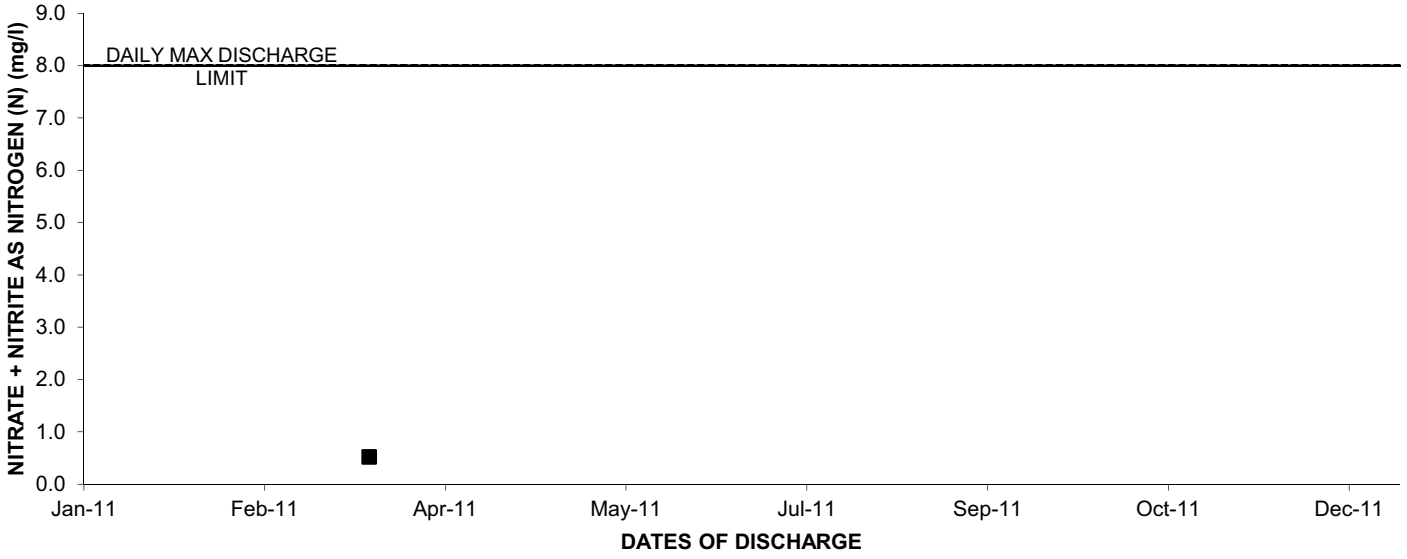
2011: OUTFALL 011 CHRONIC TOXICITY



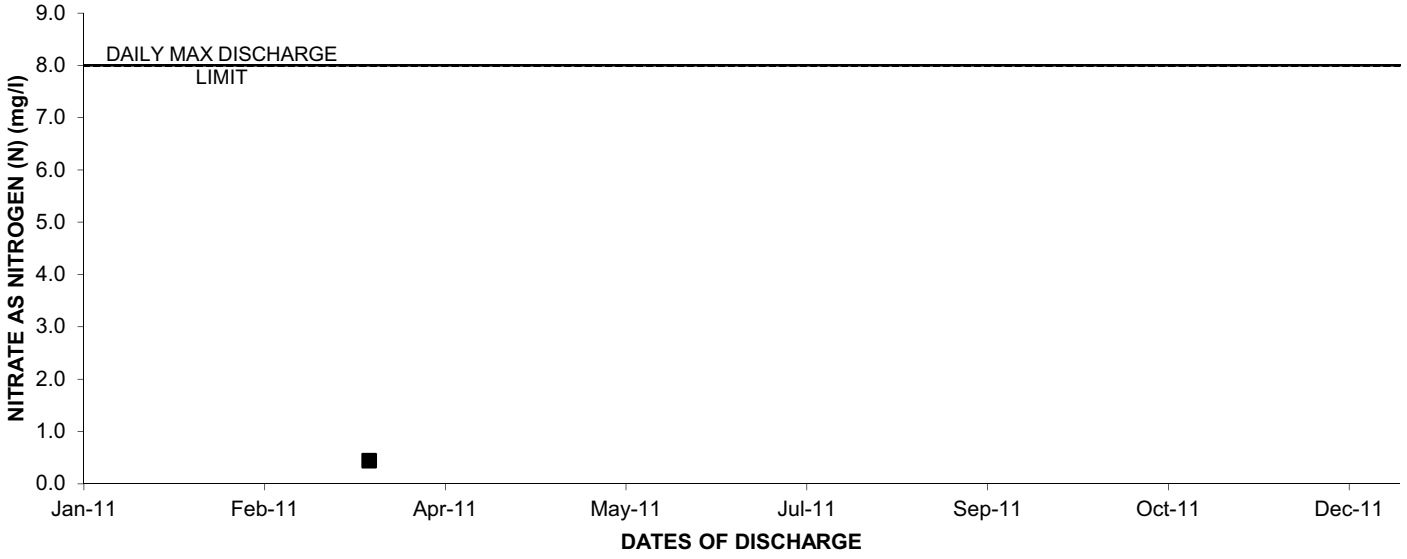
2011: OUTFALL 011 FLUORIDE



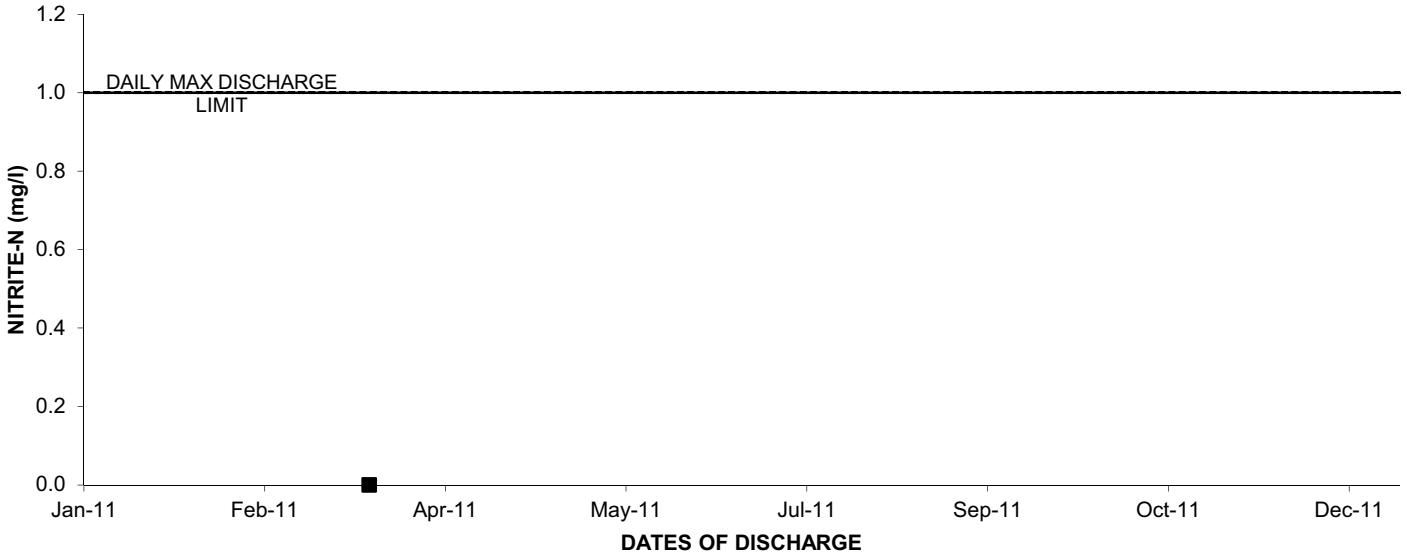
2011: OUTFALL 011 NITRATE + NITRITE AS NITROGEN (N)



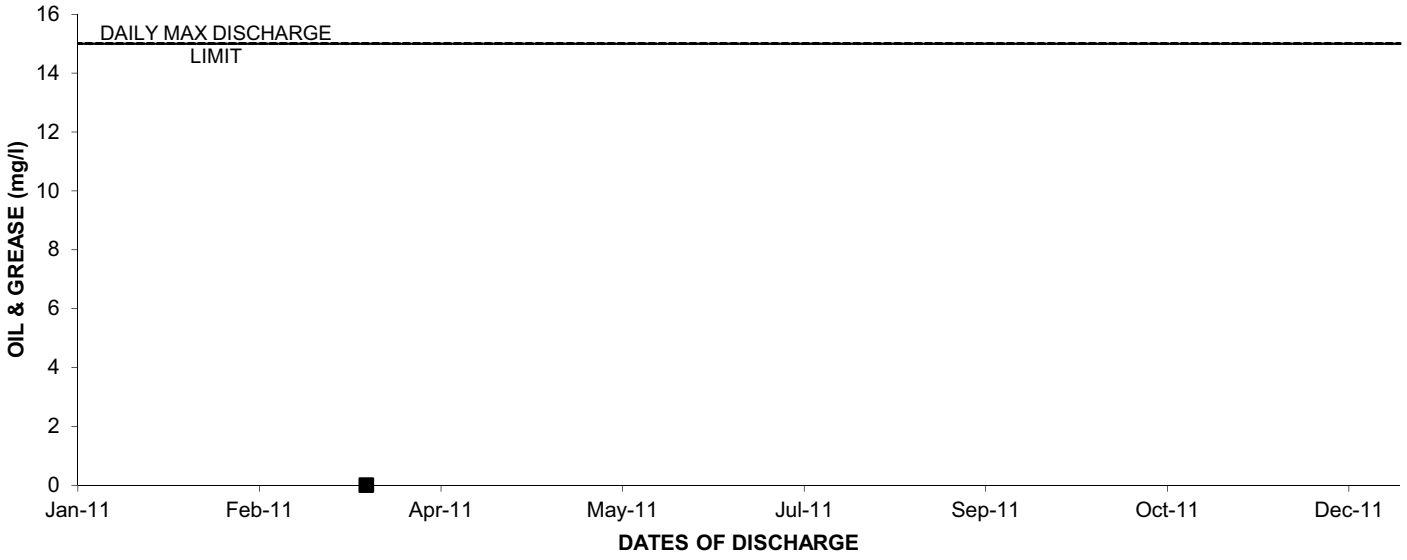
2011: OUTFALL 011 NITRATE AS NITROGEN (N)



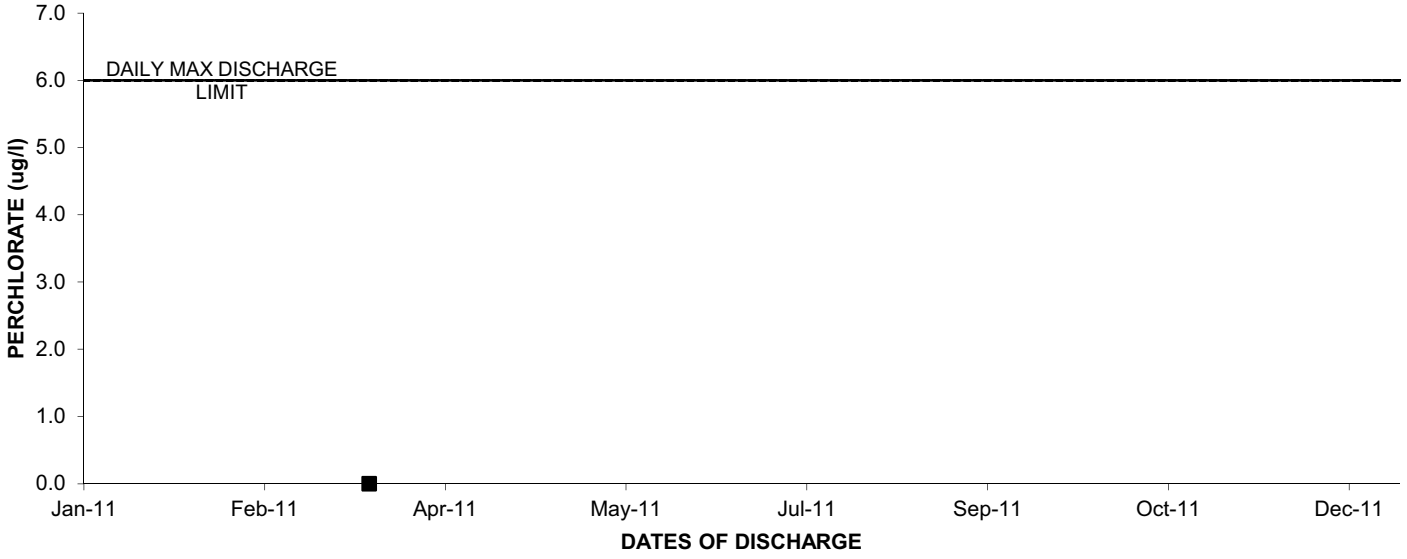
2011: OUTFALL 011 NITRITE-N



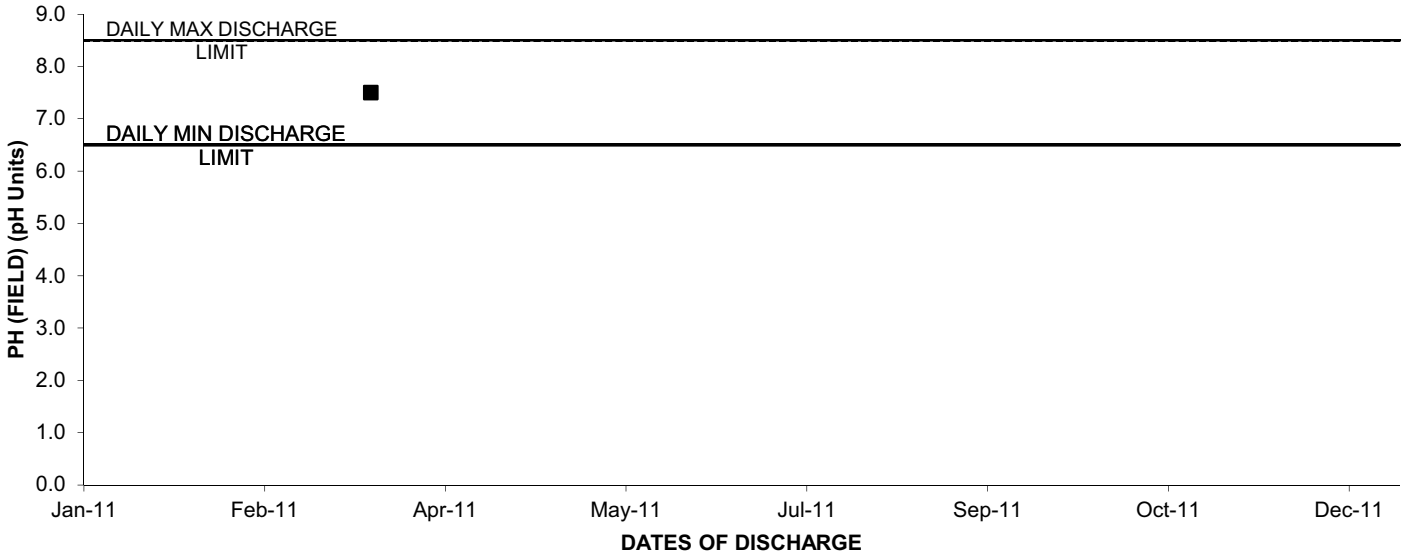
2011: OUTFALL 011 OIL & GREASE



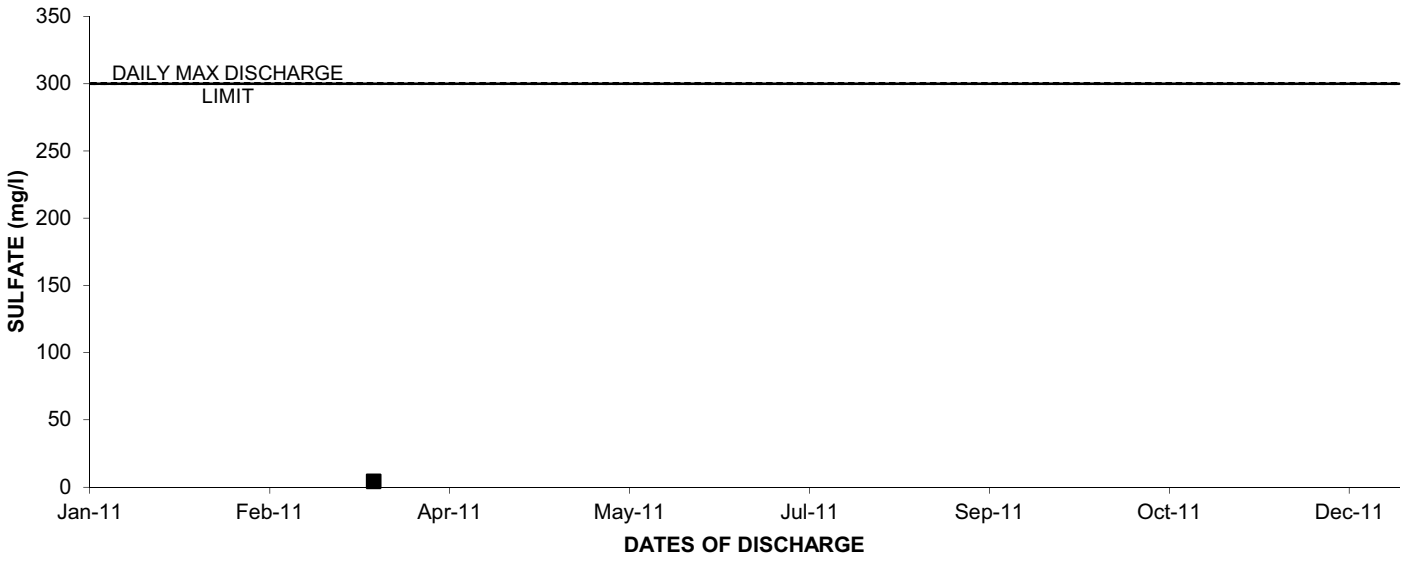
2011: OUTFALL 011 PERCHLORATE



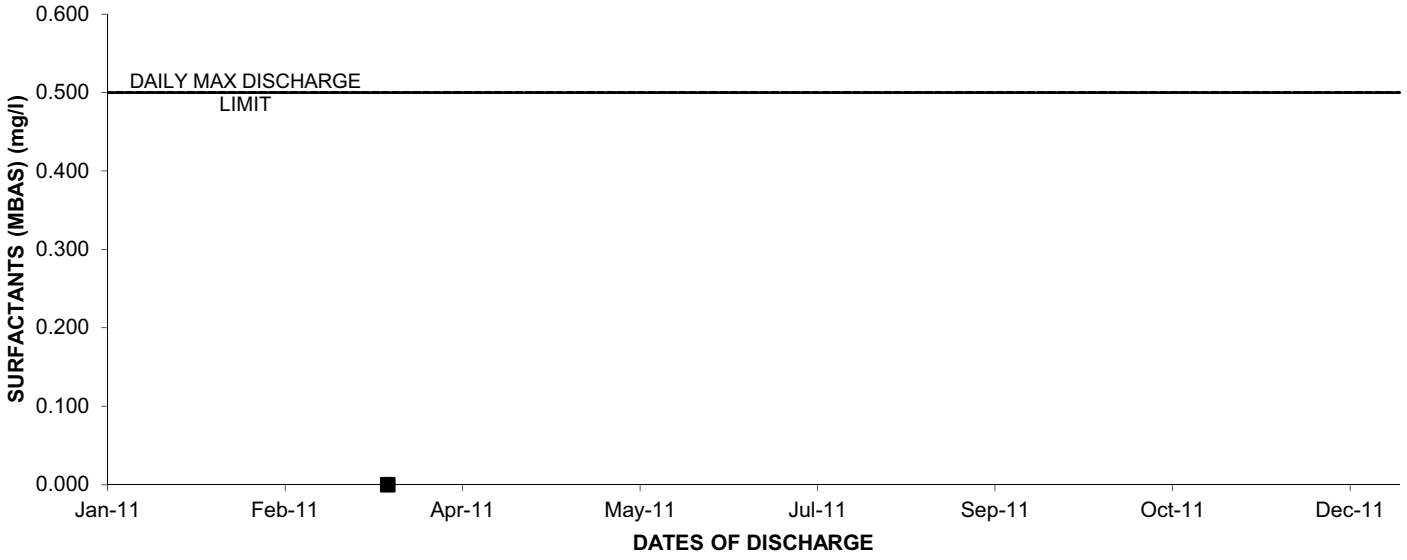
2011: OUTFALL 011 PH (FIELD)



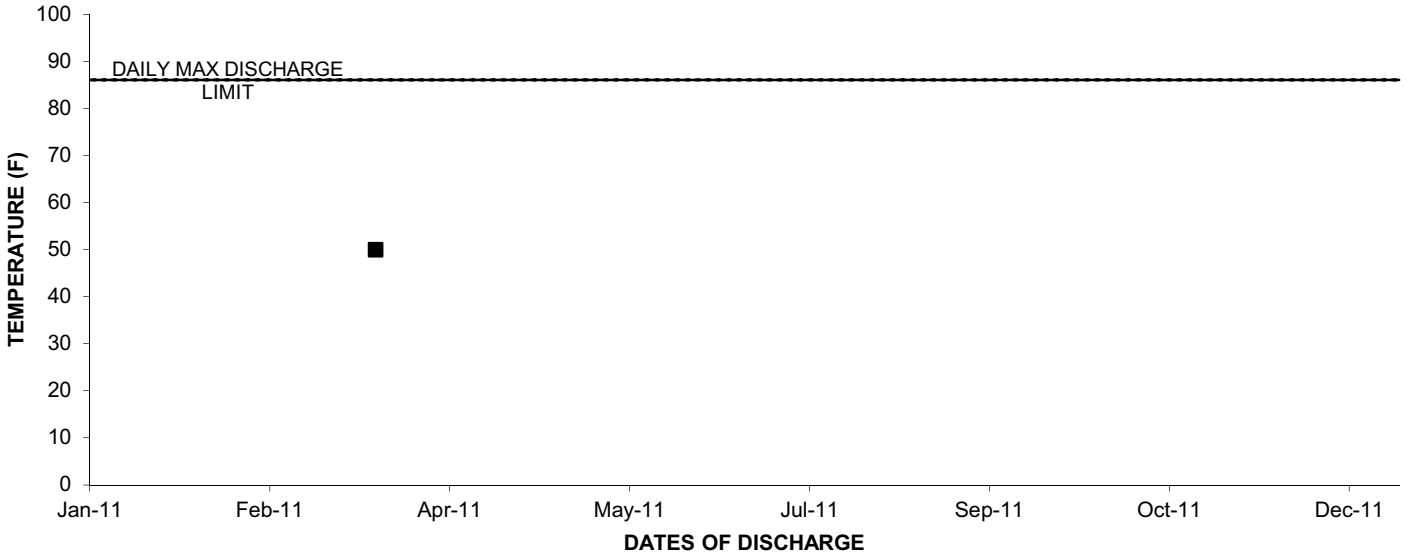
2011: OUTFALL 011 SULFATE



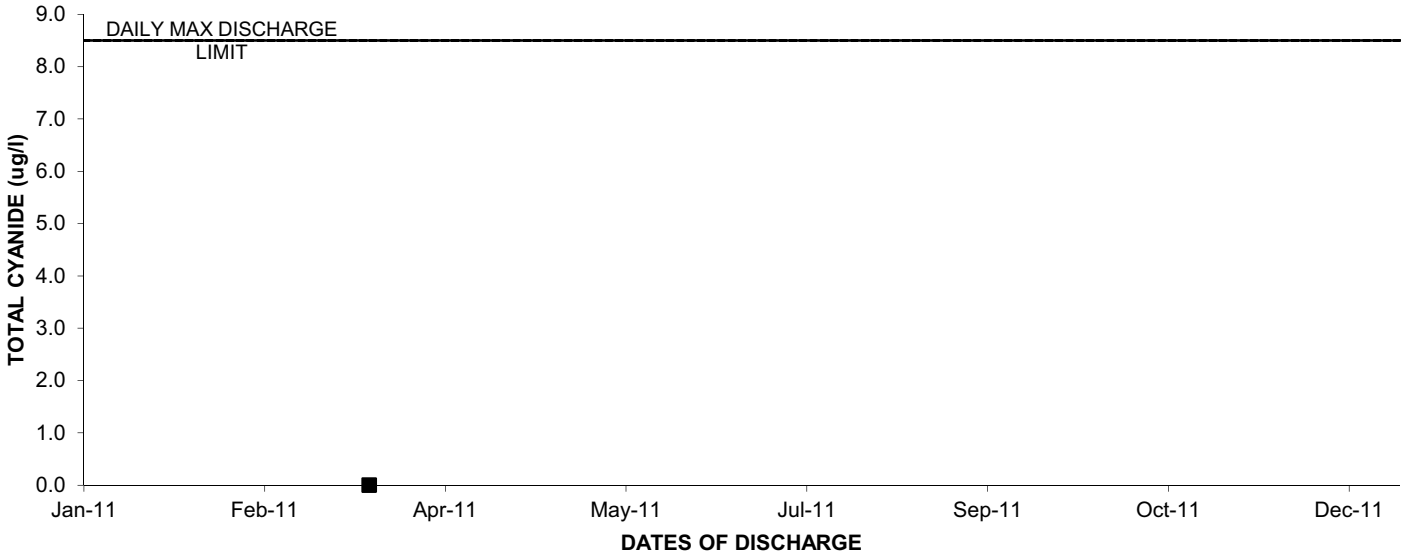
2011: OUTFALL 011 SURFACTANTS (MBAS)



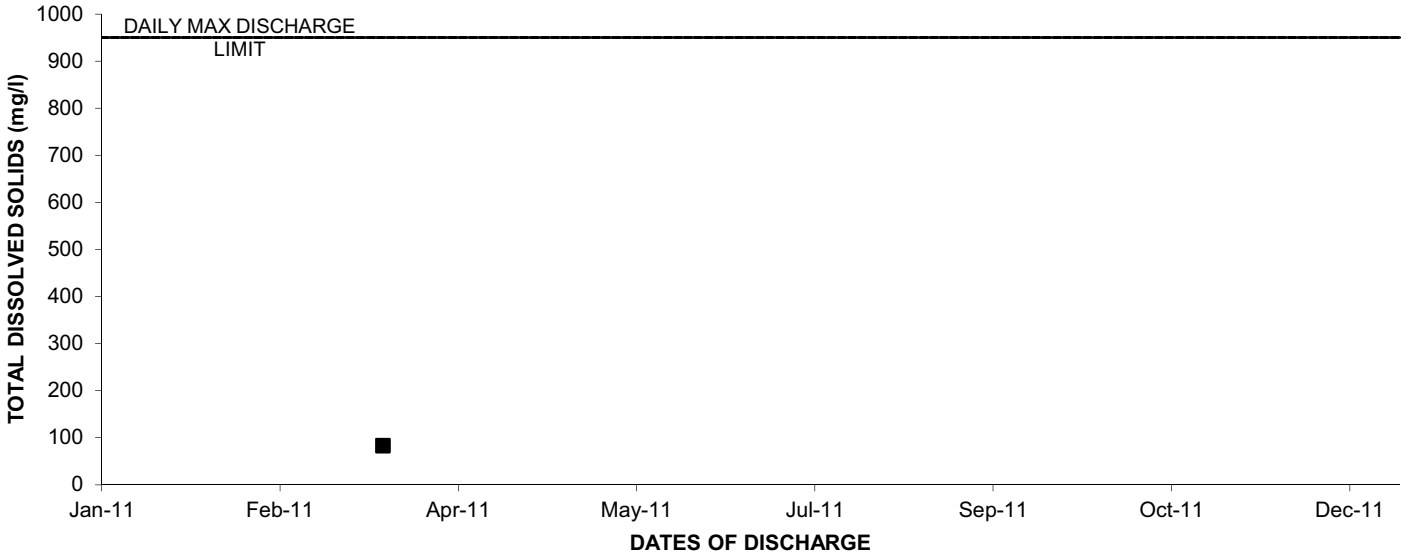
2011: OUTFALL 011 TEMPERATURE



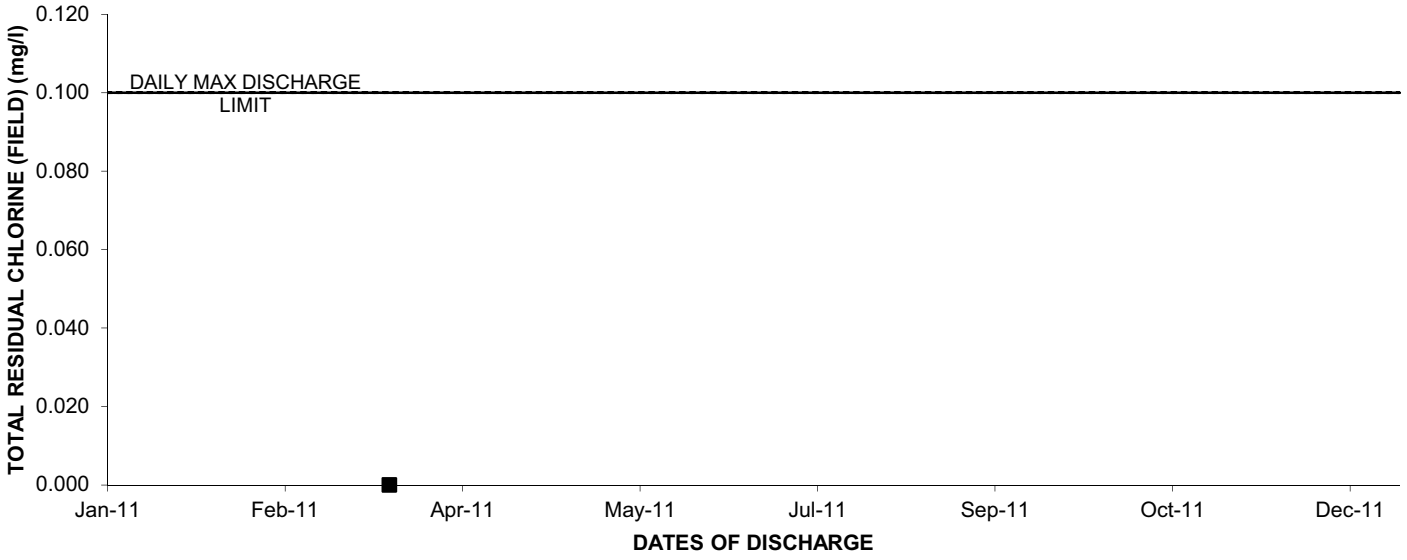
2011: OUTFALL 011 TOTAL CYANIDE



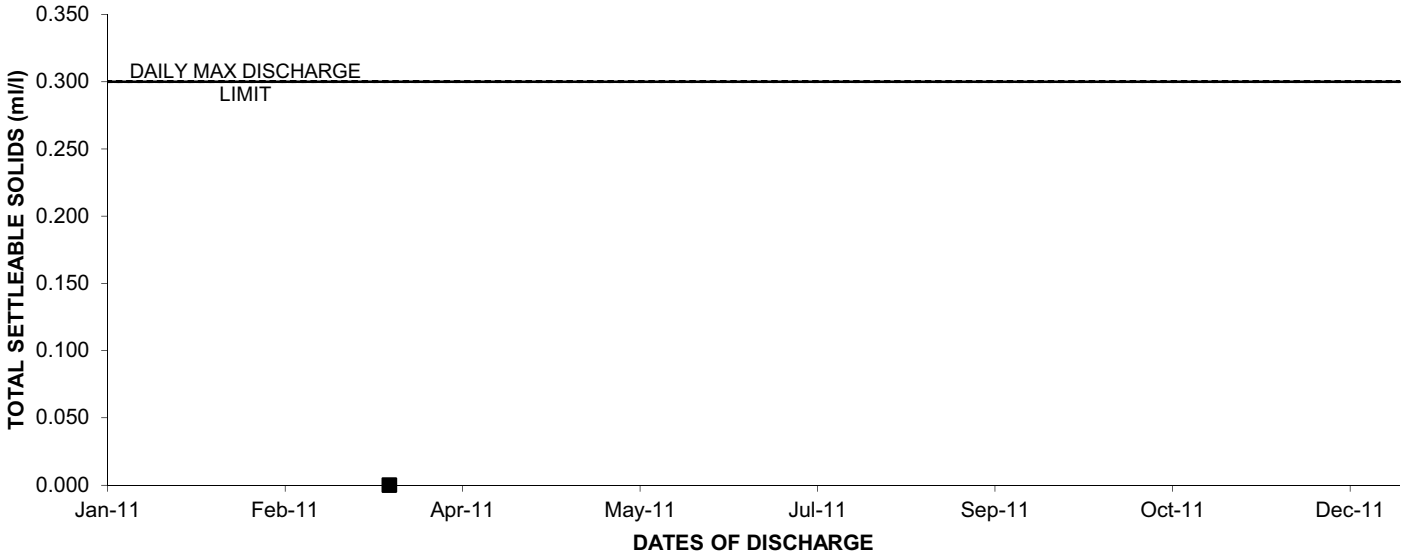
2011: OUTFALL 011 TOTAL DISSOLVED SOLIDS



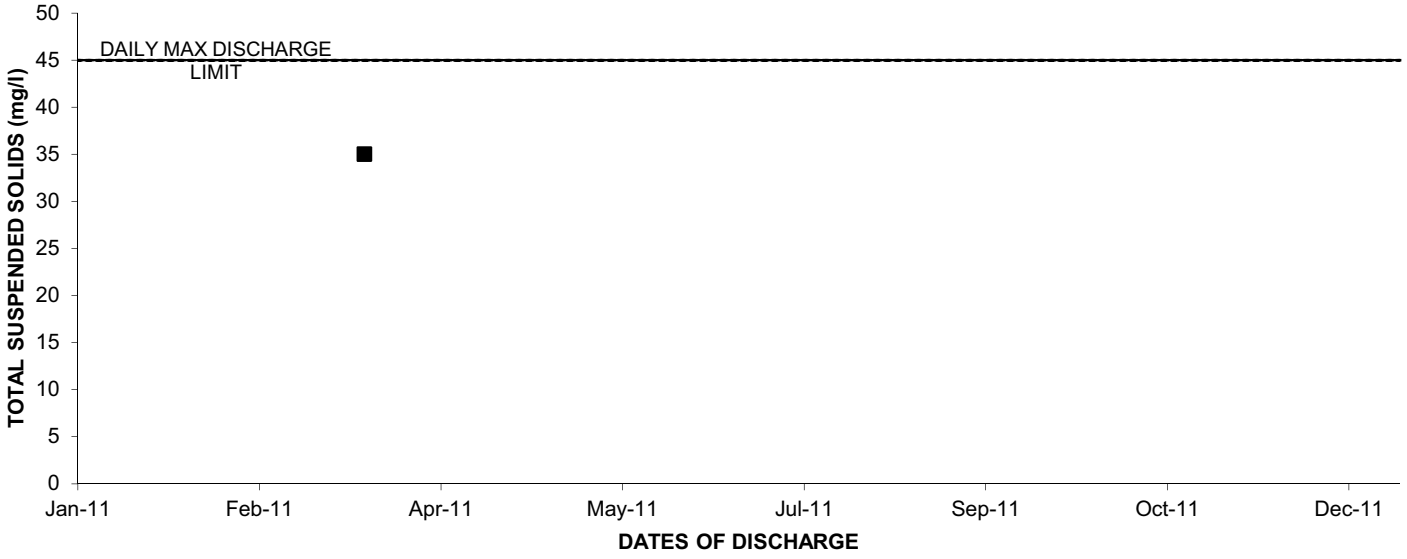
2011: OUTFALL 011 TOTAL RESIDUAL CHLORINE (FIELD)



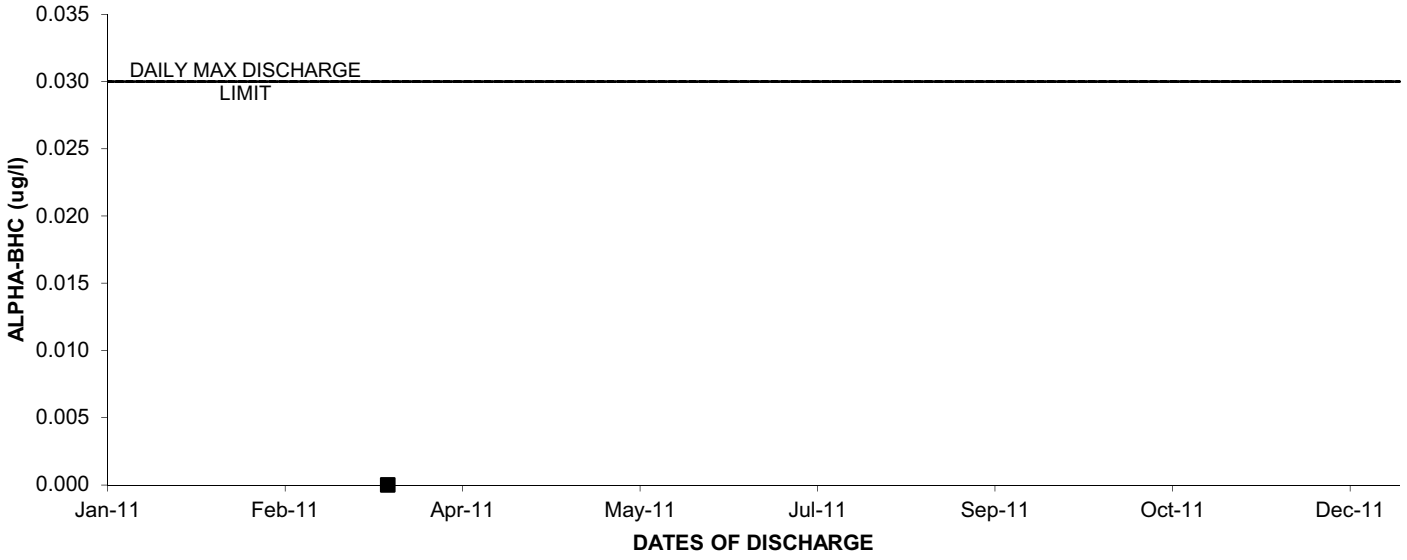
2011: OUTFALL 011 TOTAL SETTLEABLE SOLIDS



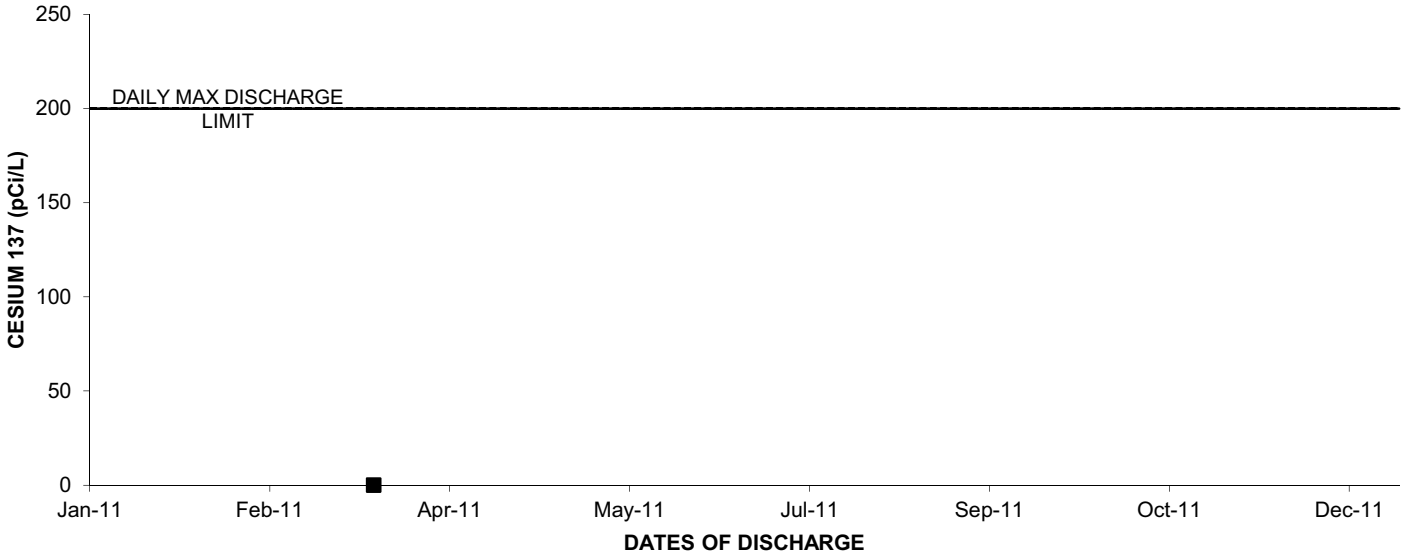
2011: OUTFALL 011 TOTAL SUSPENDED SOLIDS



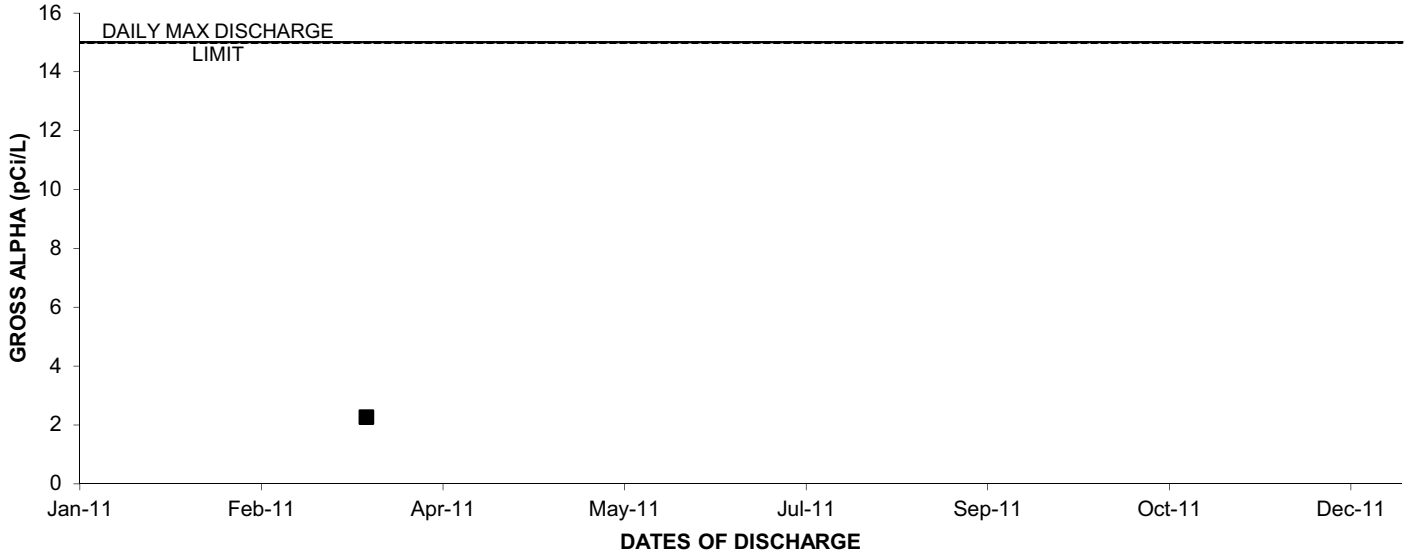
2011: OUTFALL 011 ALPHA-BHC



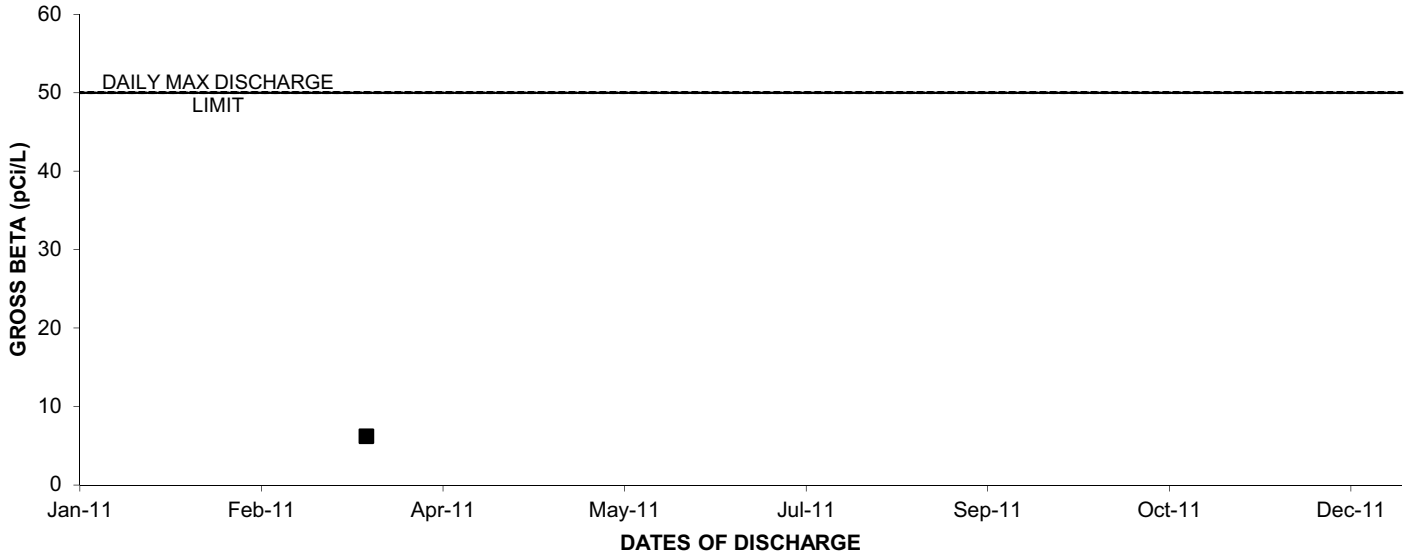
2011: OUTFALL 011 CESIUM 137



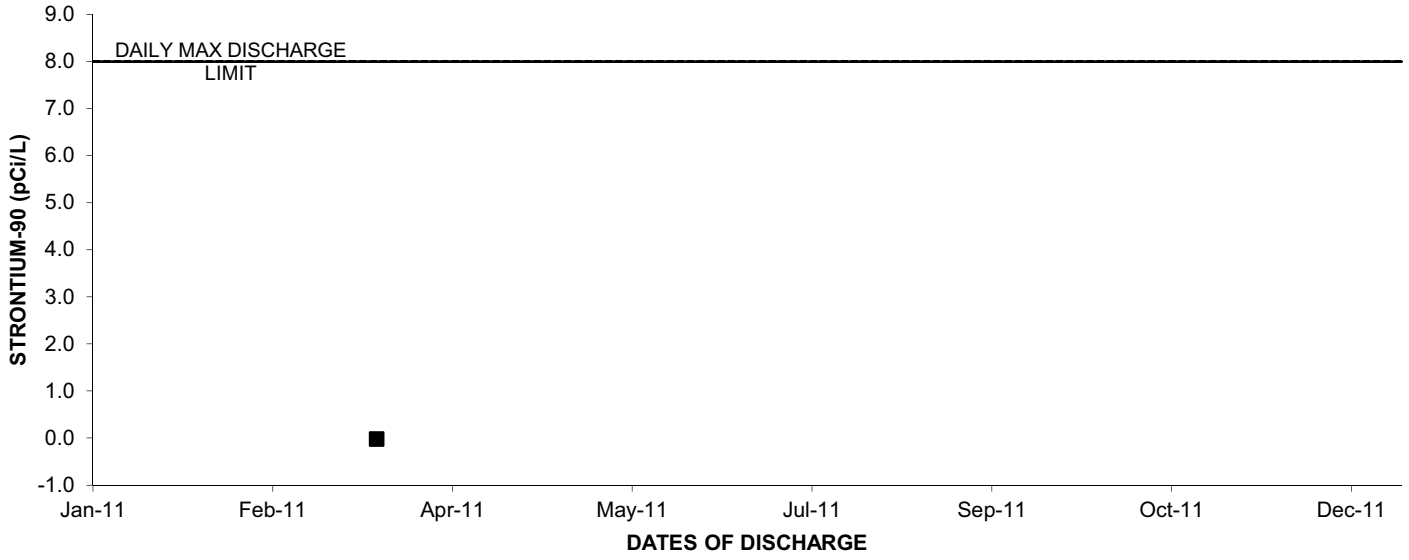
2011: OUTFALL 011 GROSS ALPHA



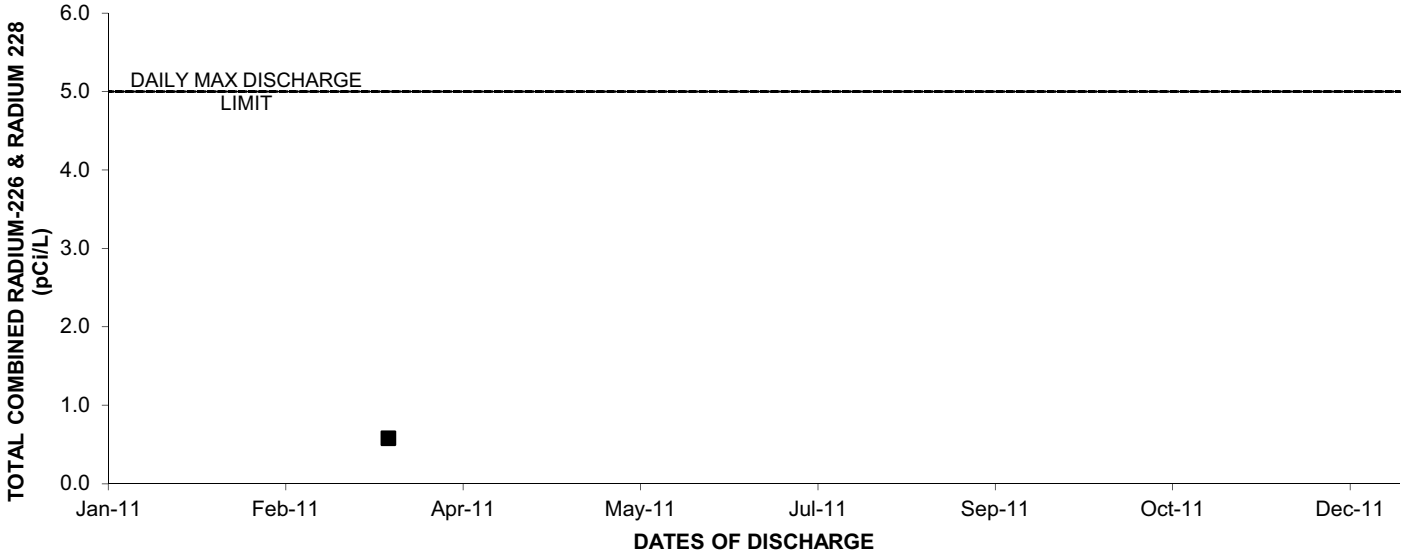
2011: OUTFALL 011 GROSS BETA



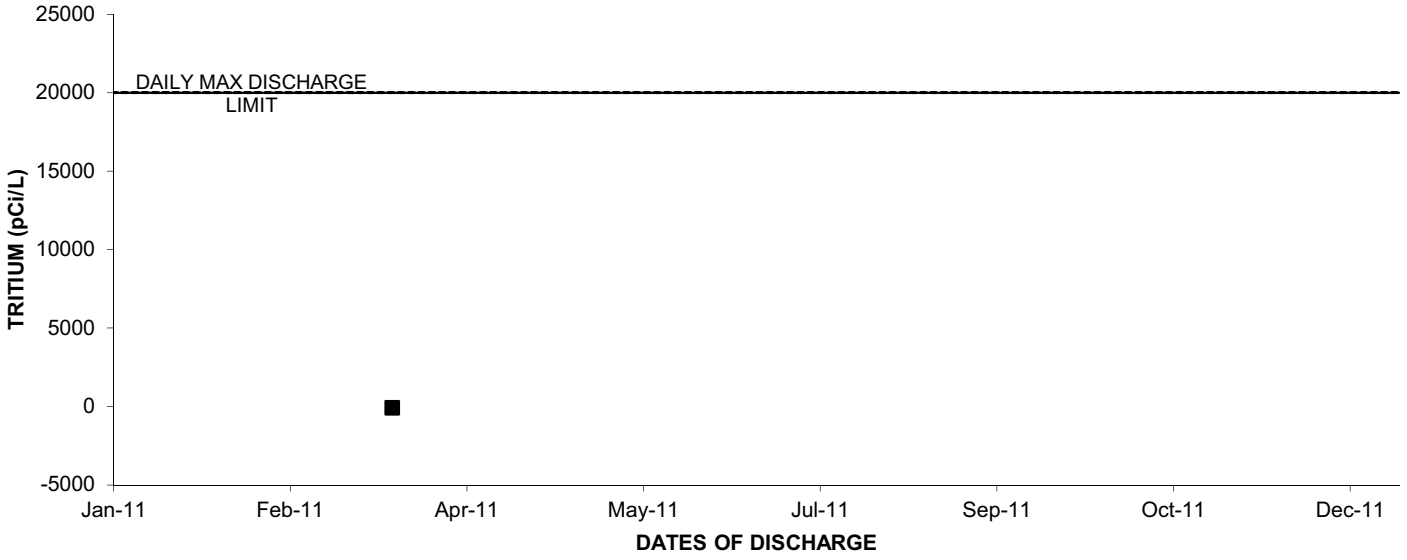
2011: OUTFALL 011 STRONTIUM-90



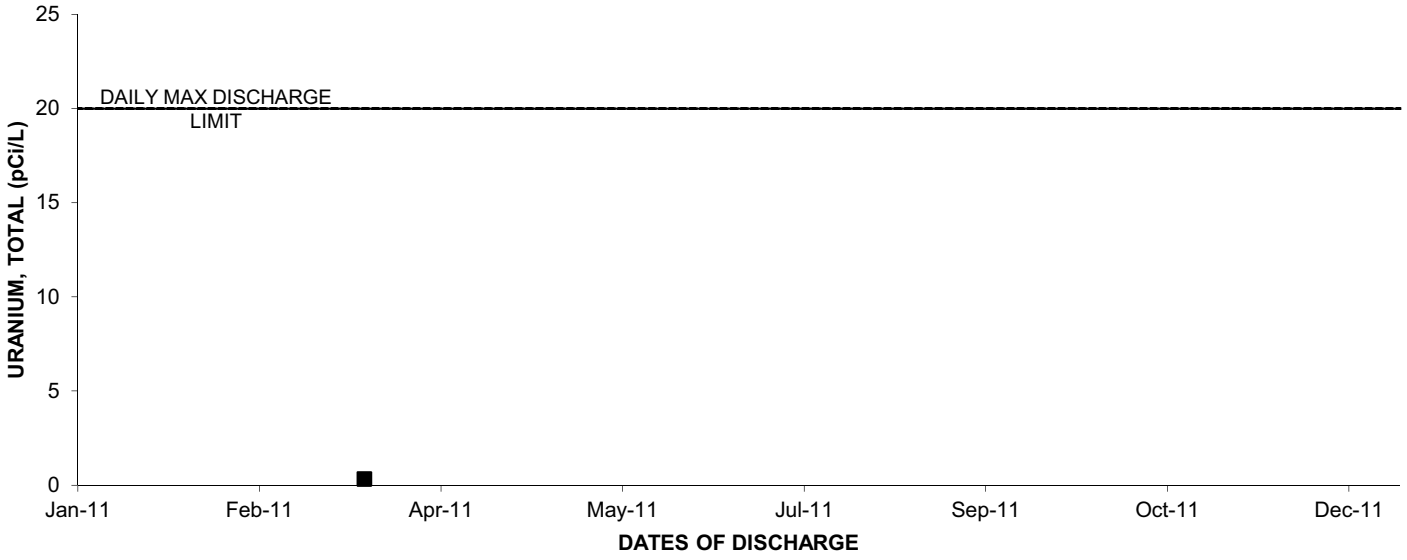
2011: OUTFALL 011 TOTAL COMBINED RADIUM-226 & RADIUM 228



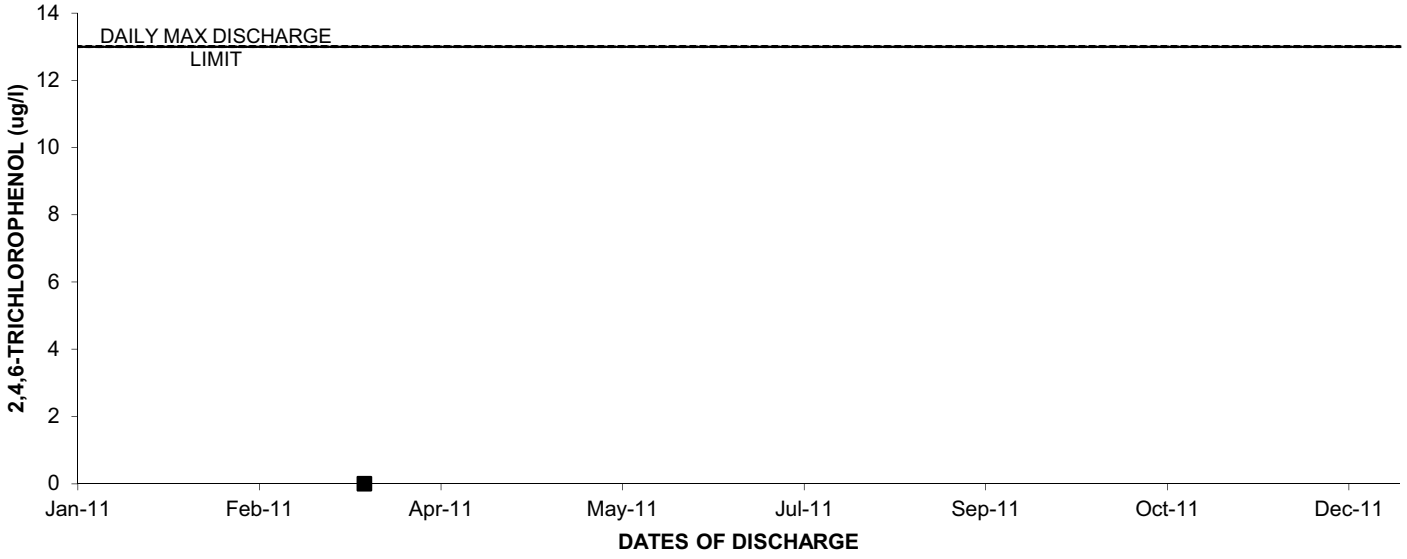
2011: OUTFALL 011 TRITIUM



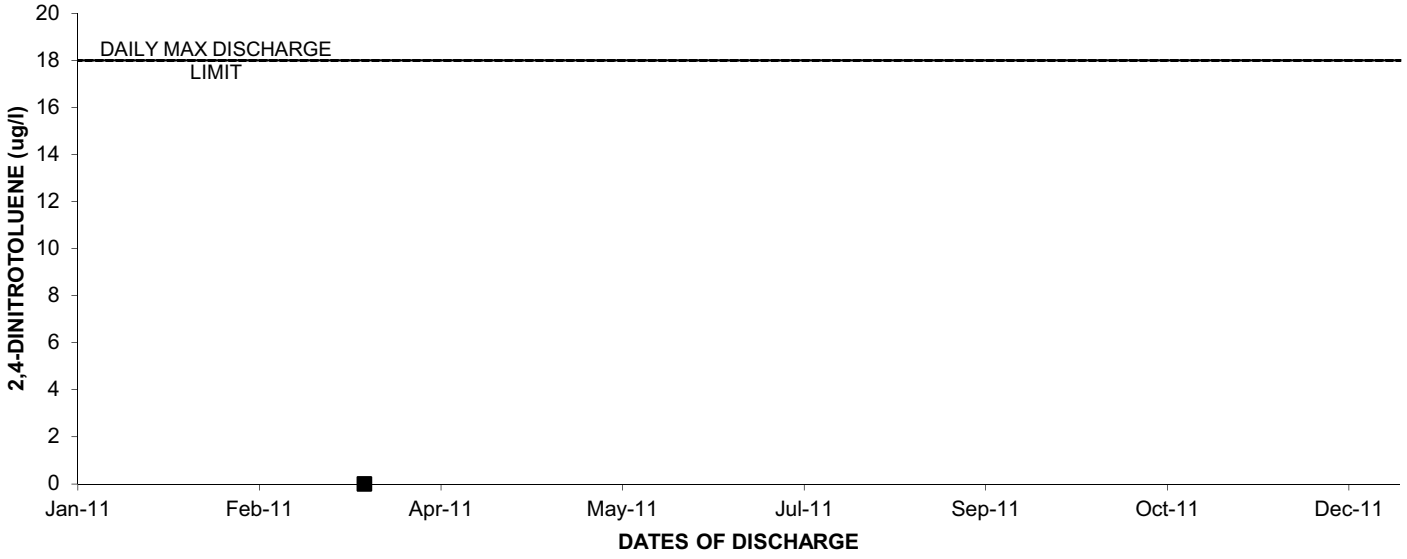
2011: OUTFALL 011 URANIUM, TOTAL



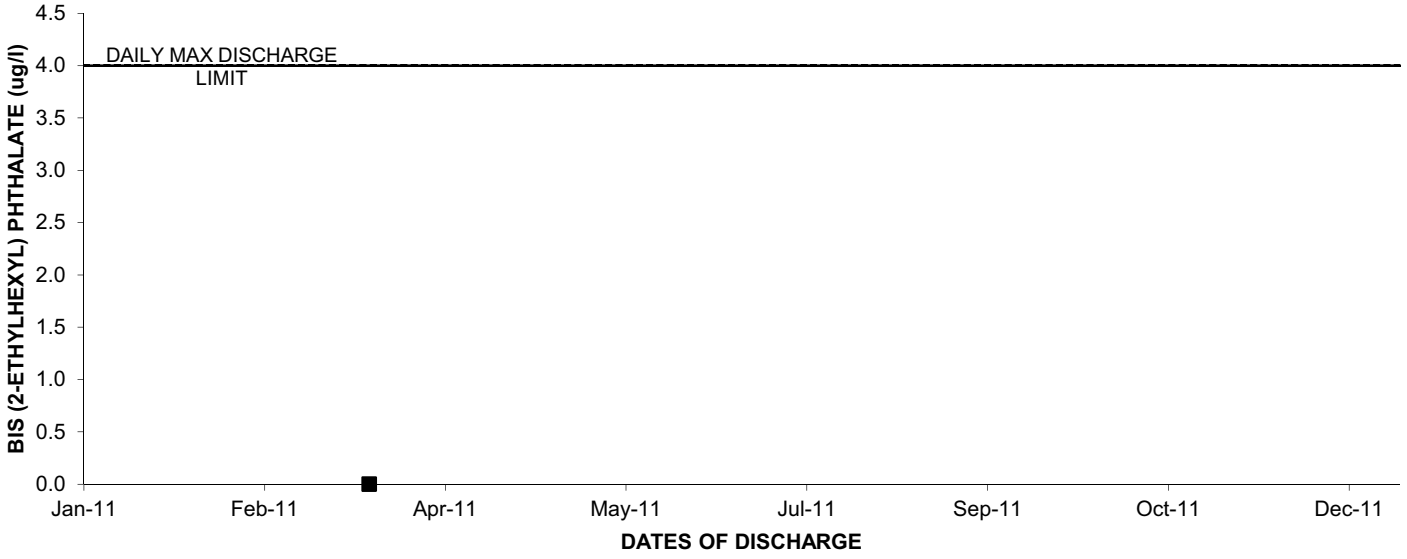
2011: OUTFALL 011 2,4,6-TRICHLOROPHENOL



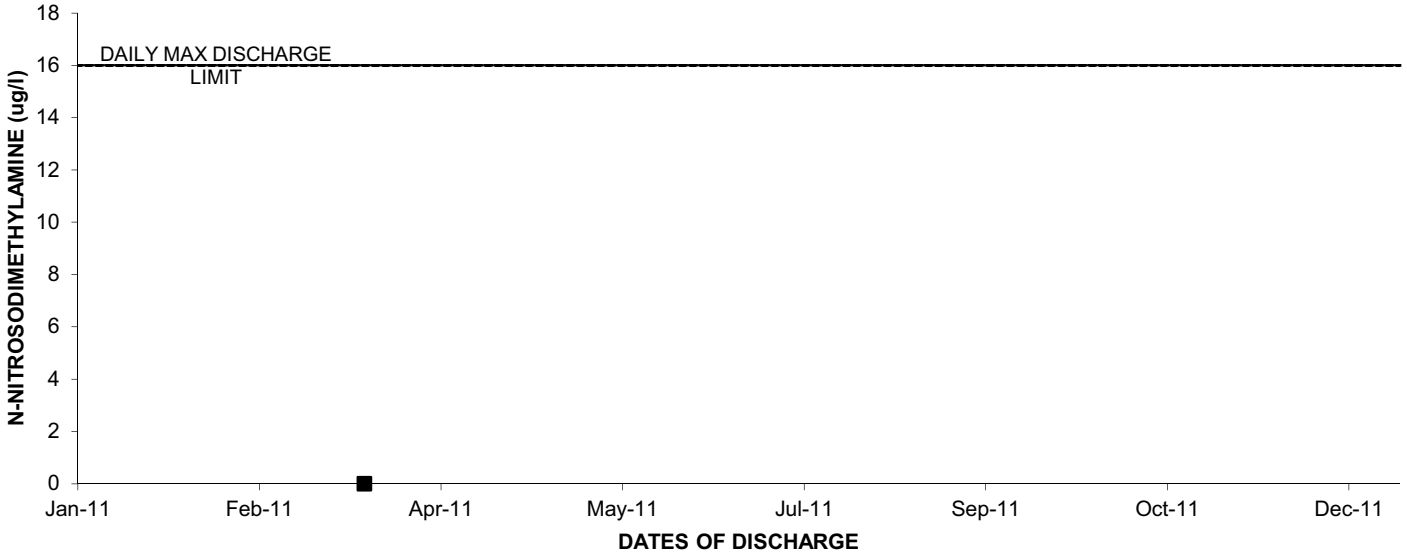
2011: OUTFALL 011 2,4-DINITROTOLUENE



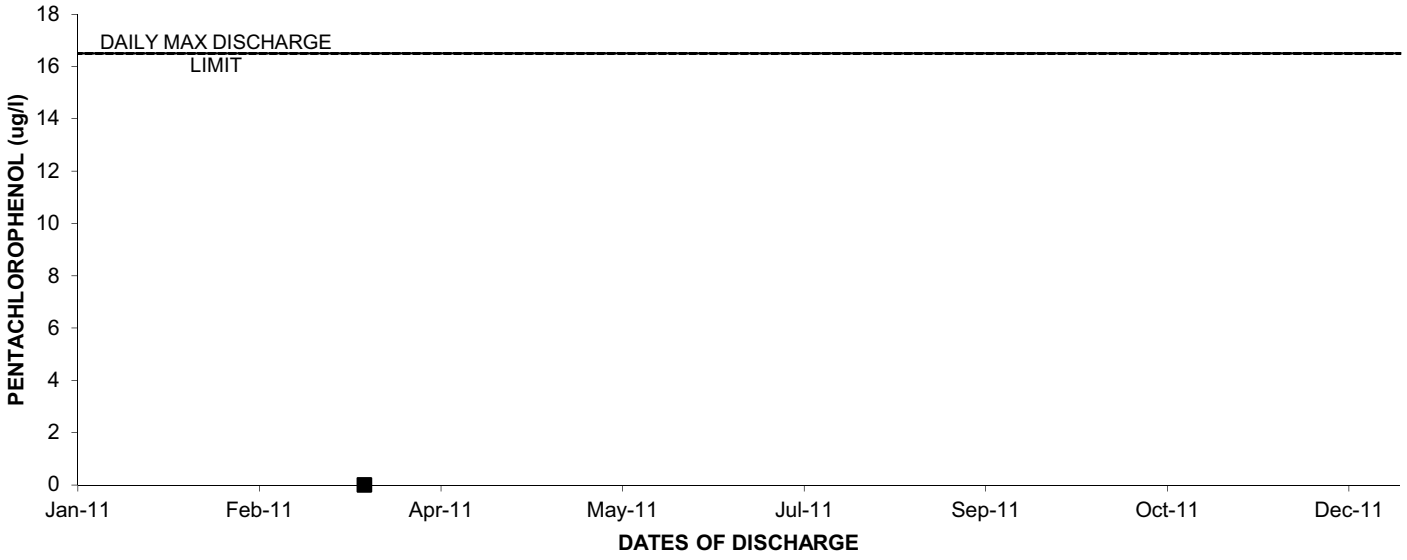
2011: OUTFALL 011 BIS (2-ETHYLHEXYL) PHTHALATE



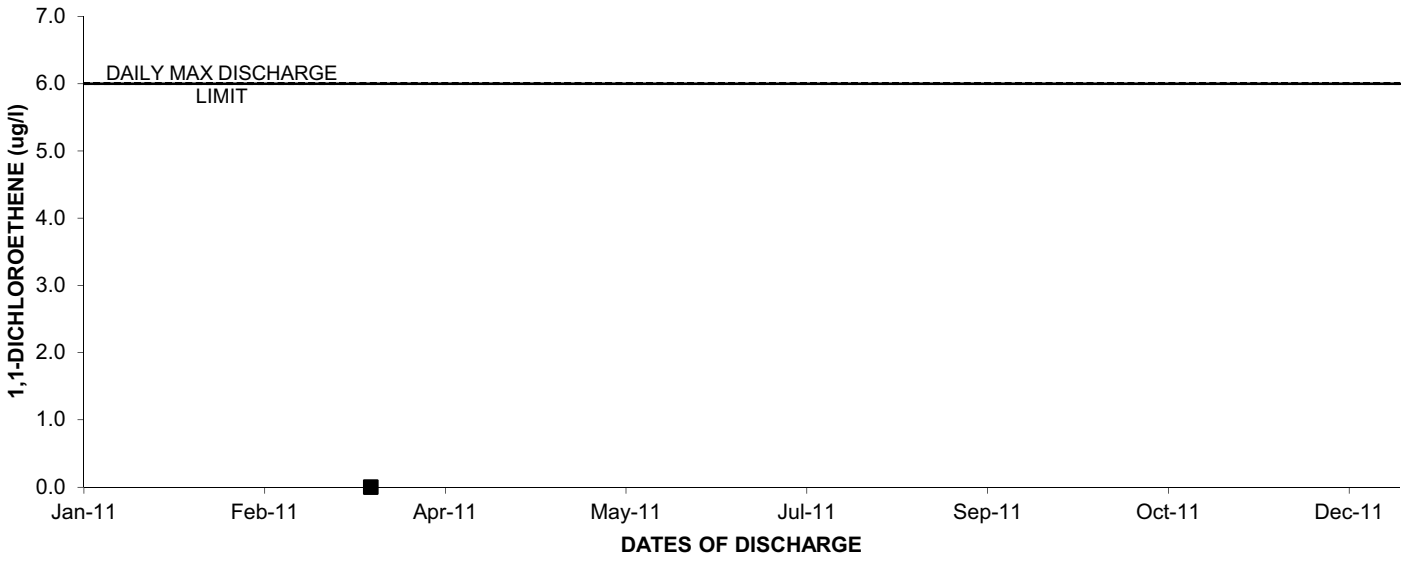
2011: OUTFALL 011 N-NITROSODIMETHYLAMINE



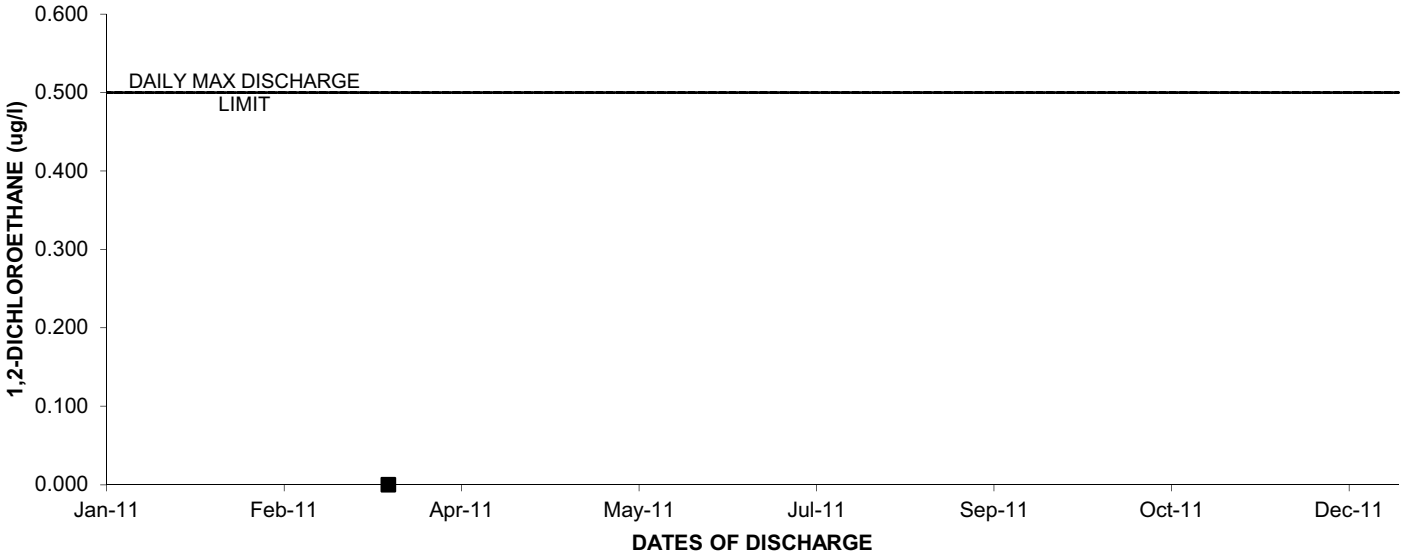
2011: OUTFALL 011 PENTACHLOROPHENOL



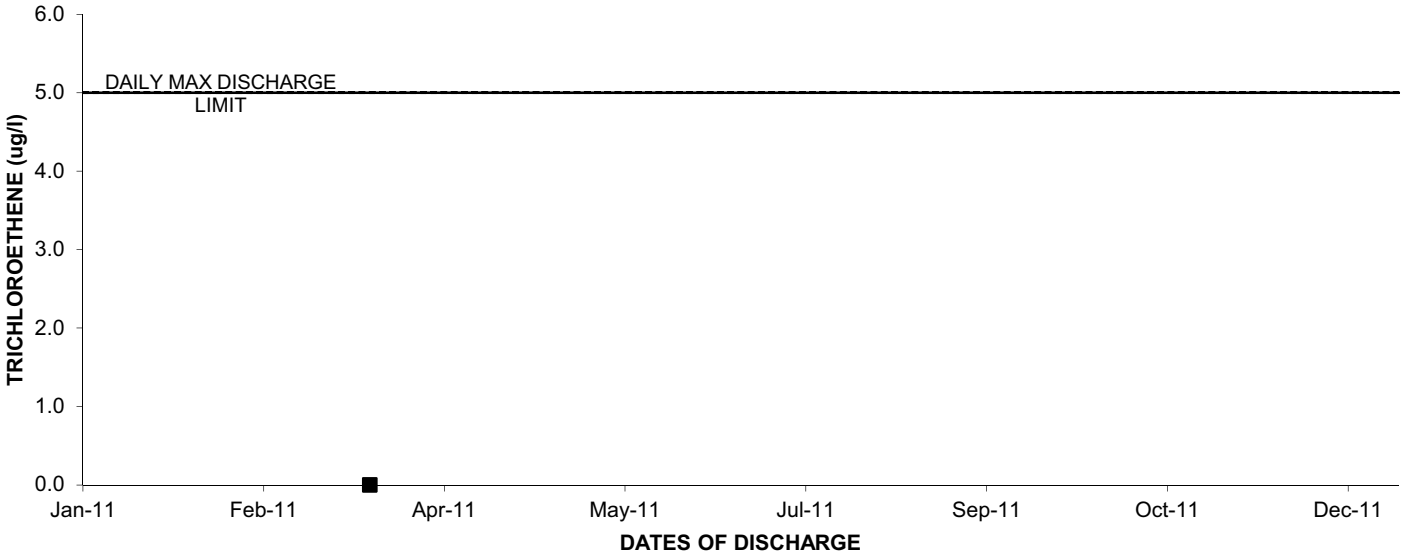
2011: OUTFALL 011 1,1-DICHLOROETHENE

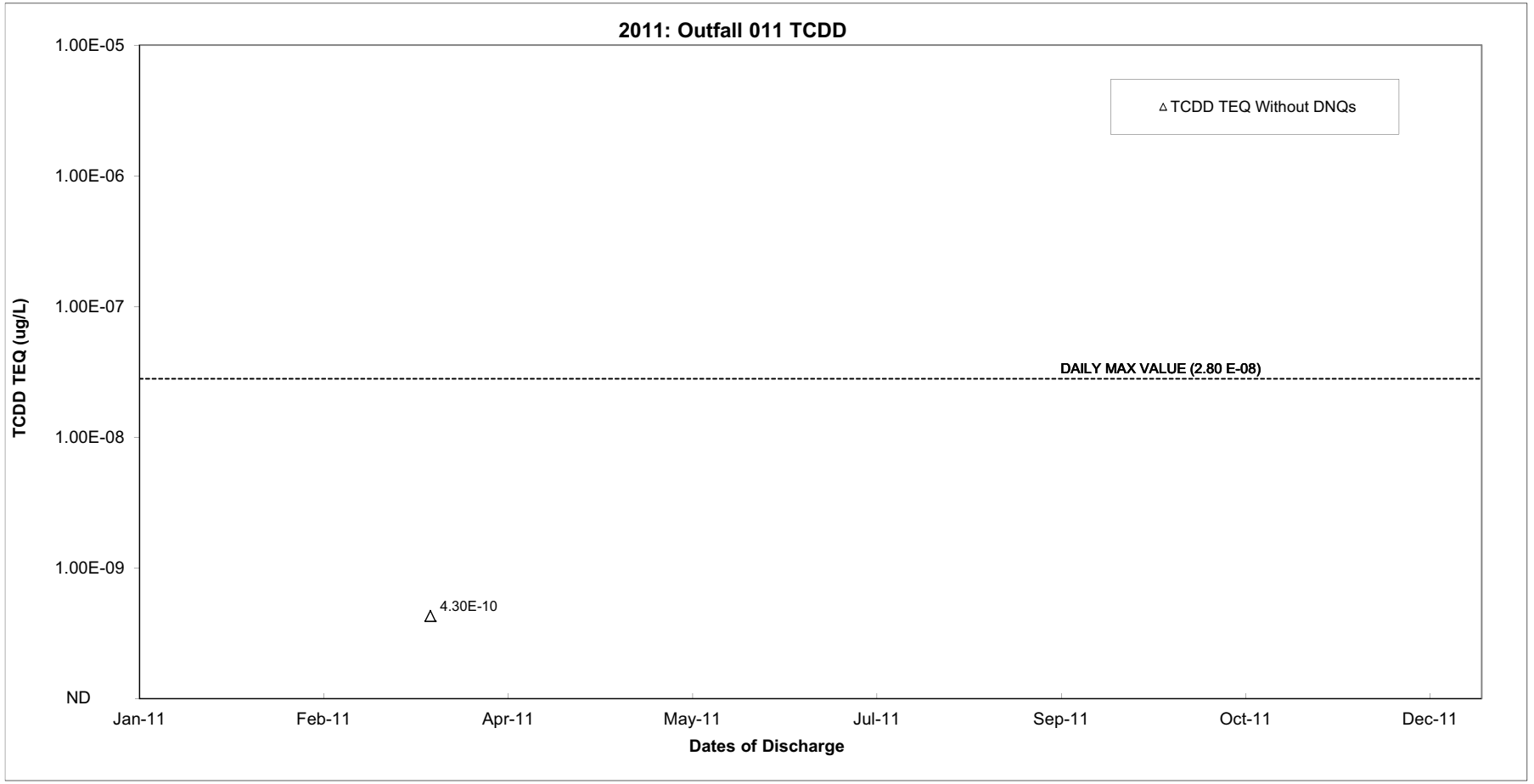


2011: OUTFALL 011 1,2-DICHLOROETHANE



2011: OUTFALL 011 TRICHLOROETHENE




2011: Outfall 011 TCDD
1.00E-05
1.00E-06
1.00E-07
1.00E-08
1.00E-09
ND
TCDD TEQ (ug/L)
△ TCDD TEQ Without DNQs
DAILY MAX VALUE (2.80 E-08)
△ 4.30E-10
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
Dates of Discharge

SECTION 8

OUTFALL 018 (R-2 SPILLWAY)
ANNUAL 2011 REPORTING SUMMARY

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/17/2011-02/18/2011			02/26/2011-02/27/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.50	*	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Comp	2.2	*	Comp	1.4	J* (DNQ)
Chloride	mg/L	150/-	Comp	11	*	Comp	11	*
Dissolved Oxygen	mg/L	-/-	Grab	8.30	*	Grab	8.41	*
E. Coli	MPN/100 ml	-/-	Grab	ND < 2.00	*	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	Grab	ND < 2.00	*	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	250	--	Grab	310	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	0.061	J* (DNQ)	Comp	0.068	J* (DNQ)
Fluoride	mg/L	1.6/-	Comp	0.19	*	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	0.37	*	Comp	0.15	J* (DNQ)
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.37	*	Comp	0.15	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	Grab	ND < 1.4	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	*	Comp	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.6	*	Grab	7.6	*
Total Settleable Solids	ml/L	0.3/-	Grab	0.10	*	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	64	*	Comp	48	*
Temperature	deg. F	86/-	Grab	55	*	Grab	48	*
Total Cyanide	ug/L	8.5/-	Comp	ND < 2.2	*	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	220	*	Comp	220	*
Hardness	mg/L	-/-	Comp	110	--	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	Comp	110	--	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	Comp	10	--	ANR	ANR	ANR
Total Residual Chlorine (Field)	mg/L	0.1/-	Grab	0.0	*	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	Comp	ND < 1.0	*	Comp	8.0	J* (DNQ)
Turbidity	NTU	-/-	Comp	3.1	--	Comp	18	--
Volume Discharged	MGD	160/-	Meas	0.59796	*	Meas	0.68671	*
METALS								
Antimony	ug/L	6.0/-	Comp	0.33	J* (DNQ)	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	Comp	0.30	J* (DNQ)	ANR	ANR	ANR
Arsenic	ug/L	10/-	Comp	ND < 7.0	U	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	Comp	ND < 7.0	U	ANR	ANR	ANR
Barium	mg/L	1.0/-	Comp	0.010	--	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	Comp	0.010	--	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	0.055	--	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Comp	0.060	--	ANR	ANR	ANR
Cadmium	ug/L	(4.0) 3.1/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Calcium	mg/L	-/-	Comp	33	--	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	Comp	32	--	ANR	ANR	ANR
Chromium	ug/L	16/-	Comp	ND < 2.0	U	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	Comp	ND < 2.0	U	ANR	ANR	ANR
Chromium VI	ug/L	16/-	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/-	Comp	1.71	J* (DNQ)	Comp	2.6	*
Copper, dissolved	ug/L	-/-	Comp	1.91	B, J* (DNQ)	Comp	1.2	J* (DNQ)
Iron	mg/L	0.3/-	Comp	0.073	--	Comp	0.74	--

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/17/2011-02/18/2011			02/26/2011-02/27/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Iron, dissolved	mg/L	-/-	Comp	0.026	J (DNQ)	Comp	0.060	--
Lead	ug/L	5.2/-	Comp	ND < 0.20	*	Comp	0.49	J* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	Comp	7.7	--	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	Comp	7.6	--	ANR	ANR	ANR
Manganese	ug/L	50/-	Comp	49	--	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	Comp	ND < 7.0	U	ANR	ANR	ANR
Mercury	ug/L	0.10/-	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/-	Comp	2.3	J (DNQ)	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	Comp	2.0	J (DNQ)	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/-	Comp	ND < 0.50	*	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*	Comp	ND < 0.50	*
Silver	ug/L	4.1/-	Comp	ND < 0.10	*	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	Comp	ND < 0.10	*	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/-	Comp	6.72	J (DNQ)	Comp	6.36	J (DNQ, *III)
Zinc, Dissolved	ug/L	-/-	Comp	ND < 6.00	U	Comp	11.2	J (DNQ, *III)
ORGANICS								
Benzene	ug/L	-/-	Grab	ND < 0.28	*	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*	ANR	ANR	ANR
Chloroform	ug/L	-/-	Grab	ND < 0.33	*	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	0.5/-	Grab	ND < 0.28	*	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	*	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	Comp	ND < 2.0	U (B)	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*	ANR	ANR	ANR
Toluene	ug/L	-/-	Grab	ND < 0.36	*	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*	ANR	ANR	ANR
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*	ANR	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*	ANR	ANR	ANR
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*	ANR	ANR	ANR
TPH								
DRO (C13 - C28)	mg/L	-/-	Grab	ND < 0.10	U	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	Grab	0.036	J (DNQ)	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 < 0.100	U	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.32	*	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	Grab	ND < 0.35	*	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	Comp	ND < 0.100	UJ (C)	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR

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OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/17/2011-02/18/2011			02/26/2011-02/27/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,3-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.35	*	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.37	*	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.200	U	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/-	Comp	ND < 0.100	U	Comp	ND < 0.0957	*
2,4-Dichlorophenol	ug/L	-/-	Comp	ND < 0.200	U	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	Comp	ND < 0.300	U	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	Comp	ND < 0.900	U	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/-	Comp	ND < 0.200	U	Comp	ND < 0.191	*
2,6-Dinitrotoluene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	Grab	ND < 1.8	*	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	Comp	ND < 0.200	U	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	Comp	ND < 0.200	U	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	Comp	ND < 5.00	U	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	Comp	ND < 0.0043	*	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	Comp	ND < 0.0032	*	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	Comp	ND < 0.0043	*	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	Comp	ND < 0.200	U	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	Comp	ND < 2.50	U	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Acrolein	ug/L	-/-	Grab	ND < 4.0	C*	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	Grab	ND < 1.2	*	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	Comp	100	*	ANR	ANR	ANR
Aldrin	ug/L	-/-	Comp	ND < 0.0016	*	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/-	Comp	ND < 0.0027	*	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	Comp	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	Comp	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	Comp	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	Comp	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	Comp	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	Comp	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	Comp	ND < 0.27	*	ANR	ANR	ANR
Benzidine	ug/L	-/-	Comp	ND < 5.00	U	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
beta-BHC	ug/L	-/-	Comp	ND < 0.0043	*	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.70	U	Comp	ND < 1.63	*
bis(2-Chloroethoxy) methane	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	Comp	ND < 0.100	U	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

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

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OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/17/2011-02/18/2011			02/26/2011-02/27/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Butylbenzylphthalate	ug/L	-/-	Comp	ND < 5.00	U (B)	ANR	ANR	ANR
Chlordane	ug/L	-/-	Comp	ND < 0.086	*	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 < 0.100	U	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.32	*	ANR	ANR	ANR
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 < 0.0038	*	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	Grab	ND < 0.40	*	ANR	ANR	ANR
Dieldrin	ug/L	-/-	Comp	ND < 0.0022	*	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	Comp	0.200	J (DNQ)	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	Comp	ND < 0.200	U	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	Comp	ND < 0.0022	*	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	Comp	ND < 0.0032	*	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	Comp	ND < 0.0032	*	ANR	ANR	ANR
Endrin	ug/L	-/-	Comp	ND < 0.0022	*	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	Comp	ND < 0.0022	*	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Fluorene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Heptachlor	ug/L	-/-	Comp	ND < 0.0032	*	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	Comp	ND < 0.0027	L*	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	Comp	ND < 0.200	U	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	Comp	ND < 0.200	U	ANR	ANR	ANR
Hydrazine	ug/L	-/-	Comp	ND < 0.439	U	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	Comp	ND < 1.13	U	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Isophorone	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	Comp	ND < 0.0032	*	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	Grab	ND < 0.95	*	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	Comp	ND < 1.77	U	ANR	ANR	ANR
Naphthalene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/-	Comp	ND < 0.100	U	Comp	ND < 0.0957	*
n-Nitroso-di-n-propylamine	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/-	Comp	ND < 0.100	U	Comp	ND < 0.0957	*
Phenanthrene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Phenol	ug/L	-/-	Comp	ND < 0.300	U	ANR	ANR	ANR
Pyrene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Toxaphene	ug/L	-/-	Comp	ND < 0.27	*	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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OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/20/2011			07/19/2011-07/20/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.500	*	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Comp	2.8	*	Comp	ND < 0.50	*
Chloride	mg/L	150/-	Comp	9.7	*	Comp	42	*
Dissolved Oxygen	mg/L	-/-	Grab	8.38	*	Grab	4.98	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	280	--	Grab	570	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*	Comp	0.057	Ja* (DNQ)
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	0.58	*	Comp	ND < 0.15	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.58	*	Comp	0.089	Ja* (DNQ)
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	U	Comp	ND < 0.90	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.6	*	Grab	6.8	*
Total Settleable Solids	ml/L	0.3/-	Grab	ND < 0.10	*	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	40	*	Comp	140	*
Temperature	deg. F	86/-	Grab	49	*	Grab	77	*
Total Cyanide	ug/L	8.5/-	Comp	ND < 2.2	*	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	190	*	Comp	400	*
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	ANR	ANR	ANR
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	Comp	17	*	Comp	ND < 1.0	*
Turbidity	NTU	-/-	Comp	30	--	Comp	0.090	J (DNQ)
Volume Discharged	MGD	160/-	Meas	1.15245	*	Meas	1.701645	*
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	(4.0) 3.1/-	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/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium VI	ug/L	16/-	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/-	Comp	2.7	*	Comp	0.665	Ja* (DNQ)
Copper, dissolved	ug/L	-/-	Comp	1.6	Ja*	Comp	1.08	Ja* (DNQ)
Iron	mg/L	0.3/-	Comp	1.1	--	Comp	ND < 0.015	*

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/20/2011			07/19/2011-07/20/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Iron, dissolved	mg/L	-/-	Comp	0.061	--	Comp	0.038	Ja* (DNQ)
Lead	ug/L	5.2/-	Comp	0.72	Ja*	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/-	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/-	ANR	ANR	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/-	Comp	ND < 0.50	*	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*	Comp	ND < 0.50	*
Silver	ug/L	4.1/-	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/-	Comp	15.5	J (DNQ)	Comp	ND < 6.00	*
Zinc, Dissolved	ug/L	-/-	Comp	ND < 20.0	U (B)	Comp	ND < 6.00	*
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	0.5/-	Grab	ND < 0.28	*	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	*	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/-	Grab	ND < 0.26	*	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-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

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/20/2011			07/19/2011-07/20/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
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/-	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/-	Comp	ND < 0.189	*	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
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/-	Comp	ND < 0.0024	C*	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 < 1.60	*
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

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/20/2011			07/19/2011-07/20/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
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	ANR	ANR	ANR
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/-	Comp	ND < 0.0943	*	Comp	ND < 0.0943	*
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/-	Comp	ND < 0.0943	*	Comp	ND < 0.0943	*
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

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

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OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date February 17-18, 2011

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	7.00E-07	5.70E-05	4.30E-06	J (DNQ)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	6.10E-07	5.70E-05	2.50E-06	J (DNQ)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	7.90E-07	5.70E-05	ND	UJ (*III)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	7.20E-07	5.70E-05	ND	UJ (*III)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	2.60E-07	5.70E-05	ND	UJ (*III)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	6.70E-07	5.70E-05	1.10E-06	J (DNQ)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	2.40E-07	5.70E-05	ND	UJ (*III)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	6.10E-07	5.70E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	2.90E-07	5.70E-05	ND	UJ (*III)		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	6.50E-07	5.70E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	7.70E-07	5.70E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	2.30E-07	5.70E-05	ND	UJ (*III)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	7.80E-07	5.70E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	7.20E-07	1.10E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	9.60E-07	1.10E-05	ND	U		0.1	0.8	**ND**
OCDD	1.20E-06	1.10E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	1.00E-06	1.10E-04	5.00E-06	J (DNQ)		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 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date February 26-27, 2011

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	5.00E-05	2.00E-05	J (DNQ)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	2.30E-06	5.00E-05	4.20E-06	J (DNQ)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	3.50E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	3.20E-06	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	2.90E-06	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	2.80E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	2.70E-06	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	2.50E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	4.00E-06	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	7.00E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	7.60E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	2.60E-06	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	7.70E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	7.00E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	1.30E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	1.10E-05	1.00E-04	2.30E-04	--		0.0001	0.01	**2.30E-10**
OCDF	4.30E-06	1.00E-04	9.80E-06	J (DNQ)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**2.30E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date March 20, 2011

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	4.30E-06	5.00E-05	ND	UJ (*III)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	2.00E-06	5.00E-05	ND	UJ (*III)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	3.10E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	1.30E-06	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	1.10E-06	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	1.70E-06	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	9.70E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.50E-06	5.00E-05	2.90E-06	J (DNQ)		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	1.20E-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	9.50E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	1.30E-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	1.40E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	8.20E-06	1.00E-04	6.00E-04	--		0.0001	0.01	**6.00E-10**
OCDF	4.10E-06	1.00E-04	ND	UJ (*III)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**6.00E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 018

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Date July 19-20, 2011

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	7.80E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	6.20E-07	5.00E-05	ND	UJ (*III)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	8.20E-07	5.00E-05	1.90E-06	J (DNQ)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	9.70E-07	5.00E-05	ND	UJ (*III)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	5.00E-07	5.00E-05	1.70E-06	J (DNQ)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	8.50E-07	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	5.20E-07	5.00E-05	2.00E-06	J (DNQ)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	8.70E-07	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	5.20E-07	5.00E-05	1.60E-06	J (DNQ)		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.50E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	6.40E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	4.40E-07	5.00E-05	ND	UJ (*III)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	7.00E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	8.40E-07	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	7.10E-07	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	8.20E-07	1.00E-04	ND	U (B)		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 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/18/2011 (Comp)			02/27/2011 (Comp)			03/20/2011 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY											
Gross Alpha	pCi/L	15/-	0.49 ± 0.30	0.367	J (C, E, DNQ)	0.345 ± 0.34	0.516	UJ (C)	1.08 ± 0.40	0.364	J (C, DNQ)
Gross Beta	pCi/L	50/-	3.7 ± 0.71	1.01	J (DNQ)	3.1 ± 0.70	1.02	J (DNQ)	4.79 ± 0.68	0.886	--
Strontium-90	pCi/L	8.0/-	-0.162 ± 0.29	0.728	U	-0.256 ± 0.37	0.999	U	-0.103 ± 0.28	0.723	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	-0.16 ± 0.38	1.08	U	0.66 ± 0.42	0.99	U	0.67 ± 0.63	1.21	U
Tritium	pCi/L	20000/-	-33.1 ± 130	218	U	-78.4 ± 99	170	U	-42 ± 98	168	U
Uranium, Total	pCi/L	20/-	0.104 ± 0.015	0.02	J (DNQ)	0.322 ± 0.037	0.022	J (DNQ)	0.267 ± 0.032	0.02	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 29.1	29.1	U	ND < 24.3	24.3	U	ND < 24.7	24.7	U
Cesium 137	pCi/L	200/-	ND < 1.25	1.25	U	ND < 1.69	1.69	U	ND < 1.7	1.7	U

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

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			07/19-20/2011 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY					
Gross Alpha	pCi/L	15/-	0.276 ± 0.72	1.18	UJ (C)
Gross Beta	pCi/L	50/-	5.2 ± 0.80	1.06	--
Strontium-90	pCi/L	8.0/-	0.316 ± 0.44	0.873	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.06 ± 0.35	1.02	U
Tritium	pCi/L	20000/-	12.1 ± 83	141	U
Uranium, Total	pCi/L	20/-	0.025 ± 0.011	0.023	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 66.2	66.2	U
Cesium 137	pCi/L	200/-	ND < 2.06	2.06	U

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

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/17/2011-02/18/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.444195	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	8.15	*
Chloride	LBS/DAY	200,160/-	Comp	40.75	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	0.23	J* (DNQ)
Fluoride	LBS/DAY	2,135/-	Comp	0.70	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	1.37	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	1.37	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	*
Sulfate	LBS/DAY	400,320/-	Comp	237.09	*
Total Cyanide	LBS/DAY	11/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	815.01	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	ND	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	Grab	0.0	*
Antimony	LBS/DAY	8.0/-	Comp	0.0012	J* (DNQ)
Arsenic	LBS/DAY	67/-	Comp	ND	U
Barium	LBS/DAY	1,330/-	Comp	0.04	--
Beryllium	LBS/DAY	5.3/-	Comp	ND	U
Cadmium	LBS/DAY	(5.3) 4.1/-	Comp	ND	*
Chromium	LBS/DAY	22/-	Comp	ND	U
Copper	LBS/DAY	19/-	Comp	0.01	J* (DNQ)
Iron	LBS/DAY	400/-	Comp	0.27	--
Lead	LBS/DAY	6.9/-	Comp	ND	*
Manganese	LBS/DAY	66.7/-	Comp	0.18	--
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	Comp	0.01	J (DNQ)
Selenium	LBS/DAY	(6.7) 11/-	Comp	ND	*
Silver	LBS/DAY	5.5/-	Comp	ND	*
Thallium	LBS/DAY	2.7/-	Comp	ND	*
Zinc	LBS/DAY	159/-	Comp	0.02	J (DNQ)
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	U
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	U
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	U
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	U
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	ND	--

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/26/2011-02/27/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.423225	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	4.94	J* (DNQ)
Chloride	LBS/DAY	200,160/-	Comp	38.83	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	0.24	J* (DNQ)
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.53	J* (DNQ)
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.53	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	*
Sulfate	LBS/DAY	400,320/-	Comp	169.43	*
Total Cyanide	LBS/DAY	11/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	776.53	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	28.24	J* (DNQ)
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/-	Comp	ND	*
Chromium	LBS/DAY	22/-	ANR	ANR	ANR
Copper	LBS/DAY	19/-	Comp	0.01	*
Iron	LBS/DAY	400/-	Comp	2.61	--
Lead	LBS/DAY	6.9/-	Comp	0.002	J* (DNQ)
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/-	Comp	ND	*
Silver	LBS/DAY	5.5/-	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/-	Comp	0.02	J (DNQ, *III)
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	8.12E-13	--

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/20/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	1.15245	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	26.91	*
Chloride	LBS/DAY	200,160/-	Comp	93.23	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	5.57	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	5.57	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	384.46	*
Total Cyanide	LBS/DAY	11/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	1826.17	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	163.39	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/-	Comp	ND	*
Chromium	LBS/DAY	22/-	ANR	ANR	ANR
Copper	LBS/DAY	19/-	Comp	0.03	*
Iron	LBS/DAY	400/-	Comp	10.57	--
Lead	LBS/DAY	6.9/-	Comp	0.01	Ja*
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/-	Comp	ND	*
Silver	LBS/DAY	5.5/-	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/-	Comp	0.15	J (DNQ)
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	C*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	5.77E-12	--

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

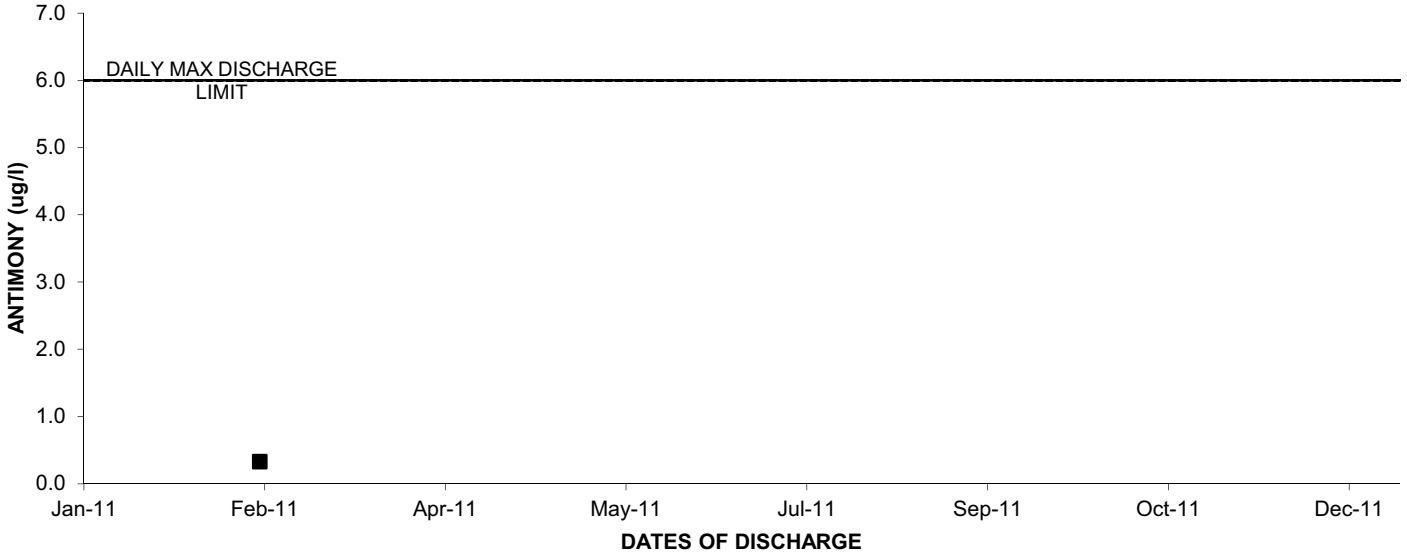
January 1 through December 31, 2011

			07/19/2011-07/20/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	1.08246	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	ND	*
Chloride	LBS/DAY	200,160/-	Comp	379.16	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	0.51	Ja* (DNQ)
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.80	Ja* (DNQ)
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	1263.88	*
Total Cyanide	LBS/DAY	11/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	3611.09	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	ND	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/-	Comp	ND	*
Chromium	LBS/DAY	22/-	ANR	ANR	ANR
Copper	LBS/DAY	19/-	Comp	0.01	Ja* (DNQ)
Iron	LBS/DAY	400/-	Comp	ND	*
Lead	LBS/DAY	6.9/-	Comp	ND	*
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/-	Comp	ND	*
Silver	LBS/DAY	5.5/-	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/-	Comp	ND	*
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	ND	--

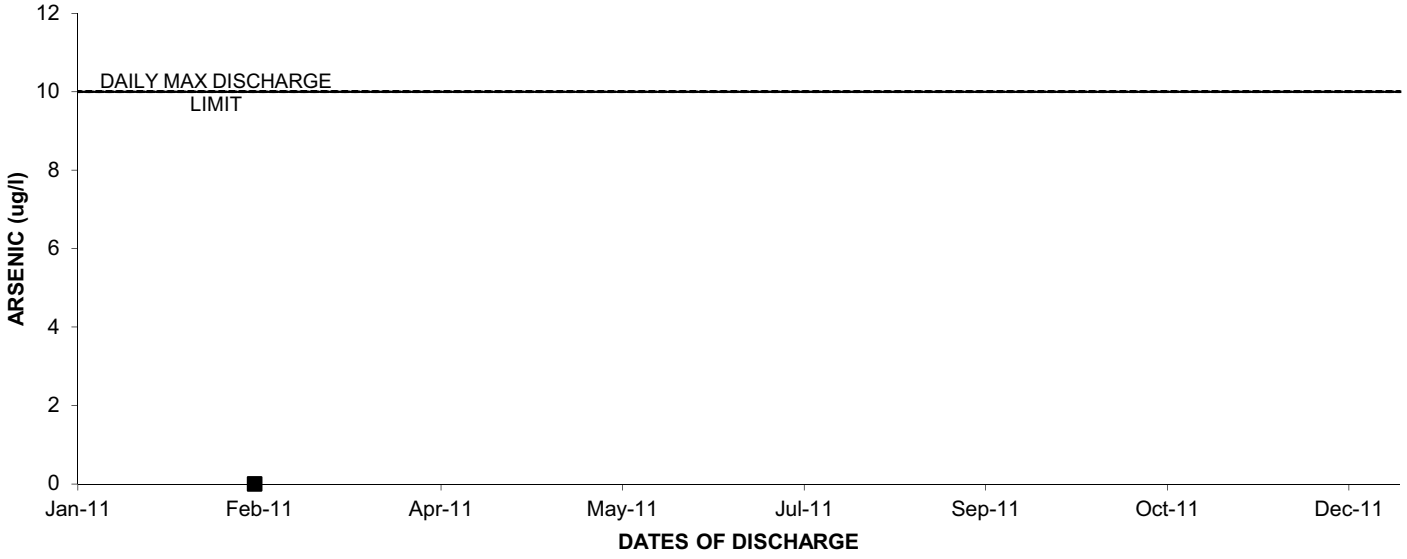
See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

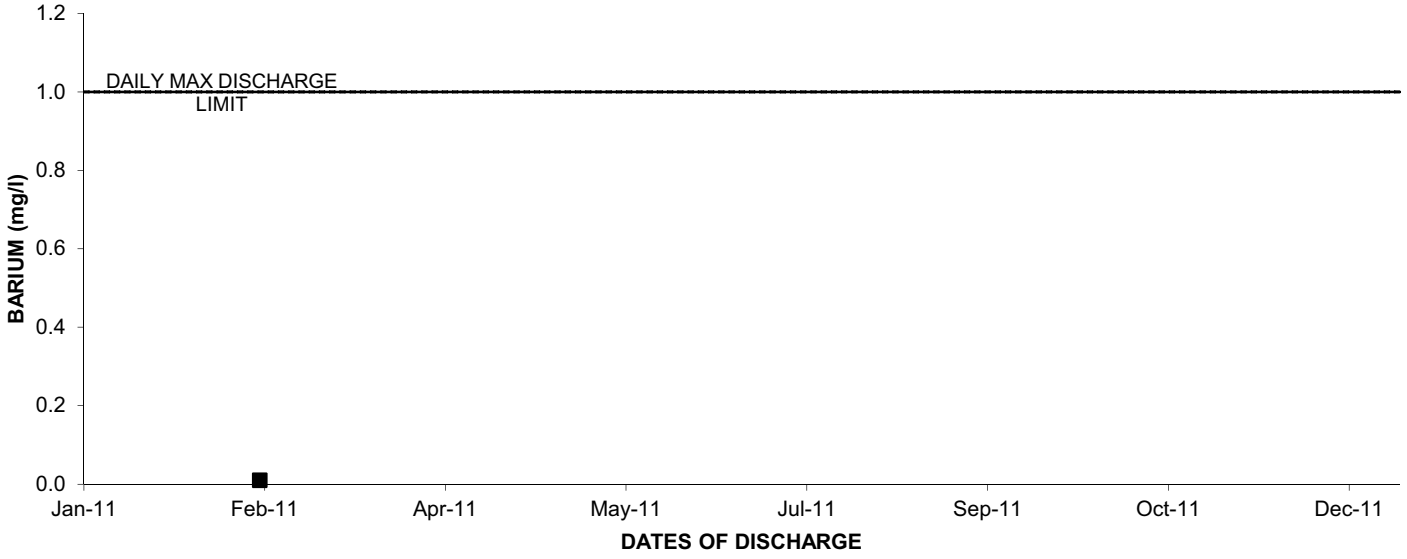
2011: OUTFALL 018 ANTIMONY



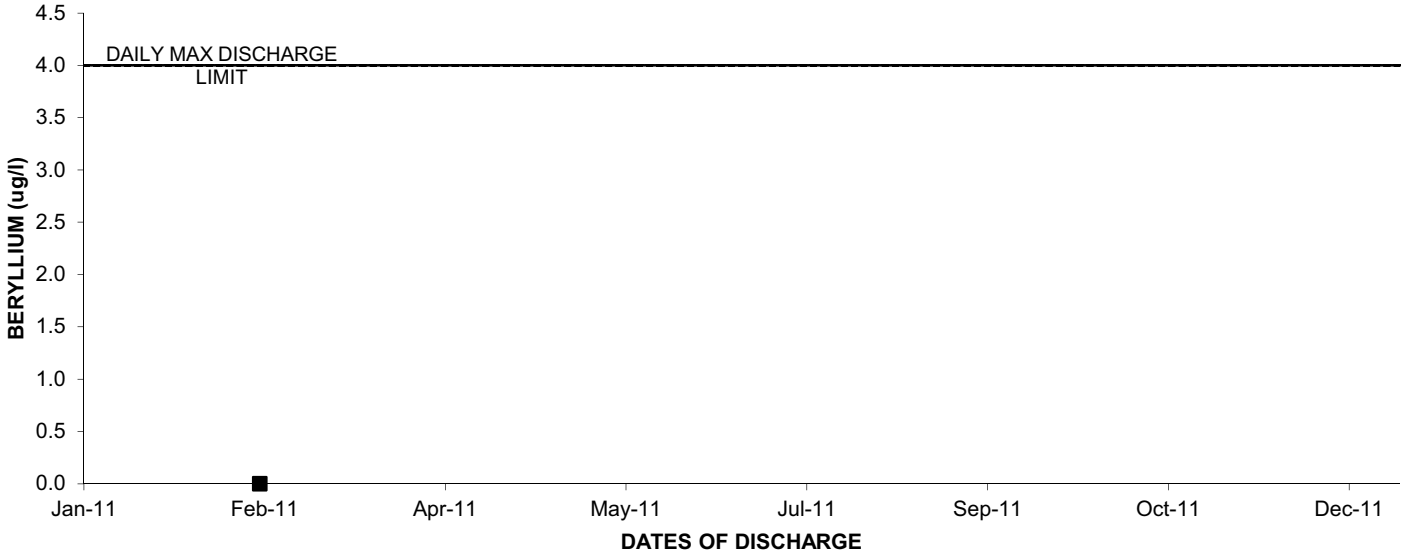
2011: OUTFALL 018 ARSENIC



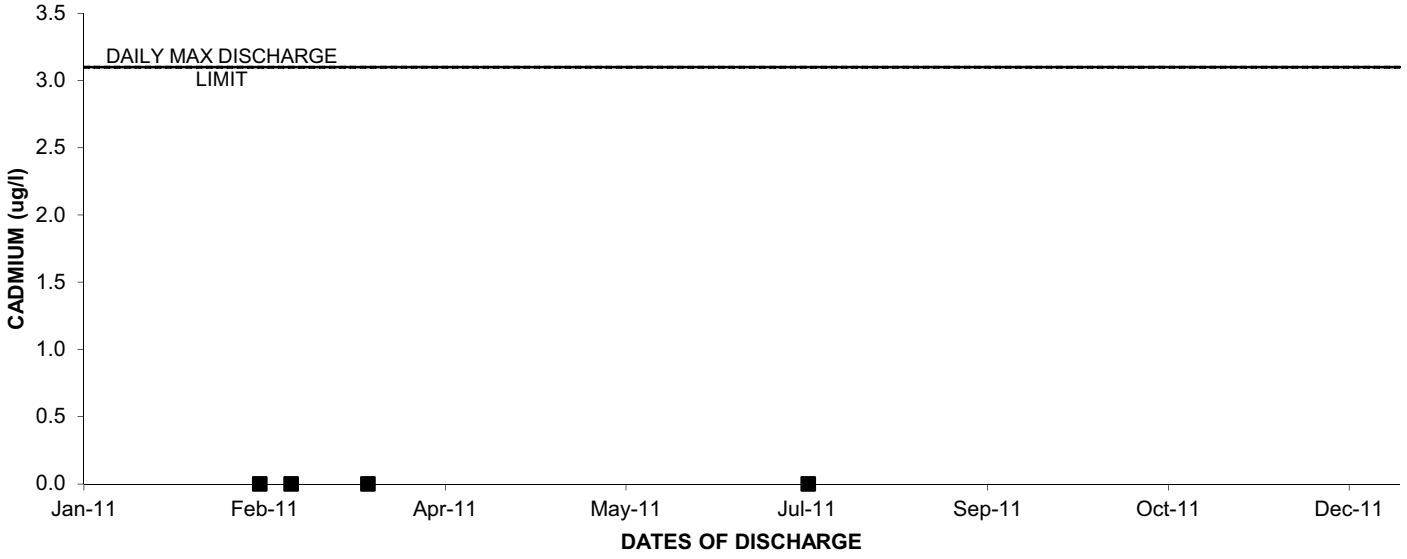
2011: OUTFALL 018 BARIUM



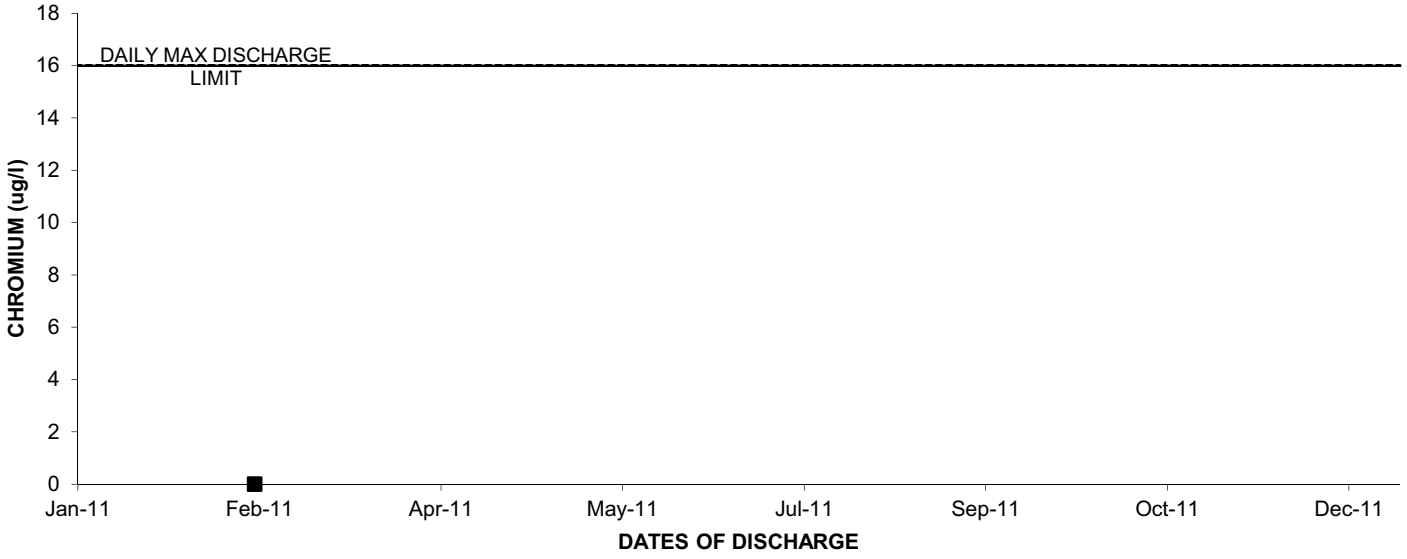
2011: OUTFALL 018 BERYLLIUM



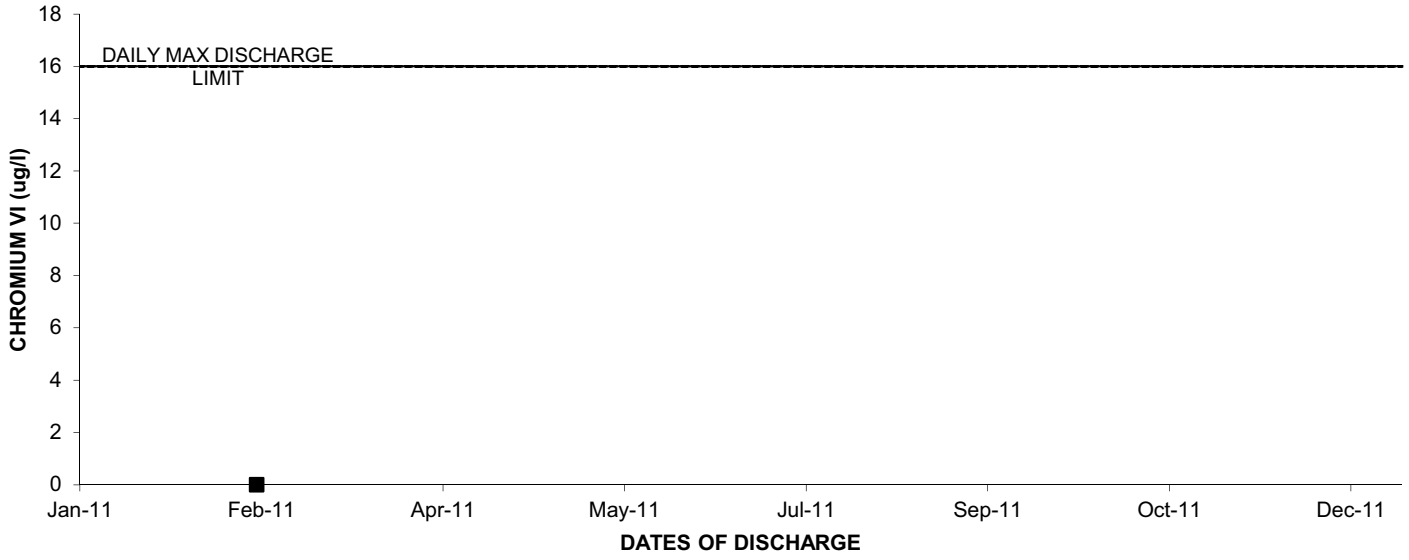
2011: OUTFALL 018 CADMIUM



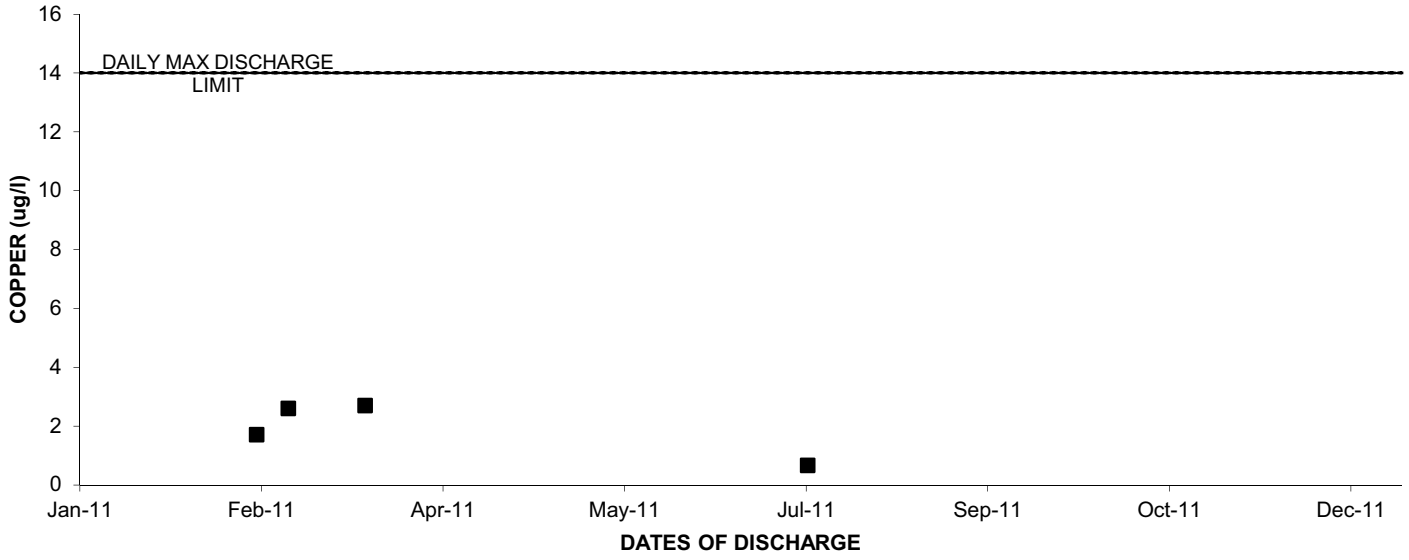
2011: OUTFALL 018 CHROMIUM



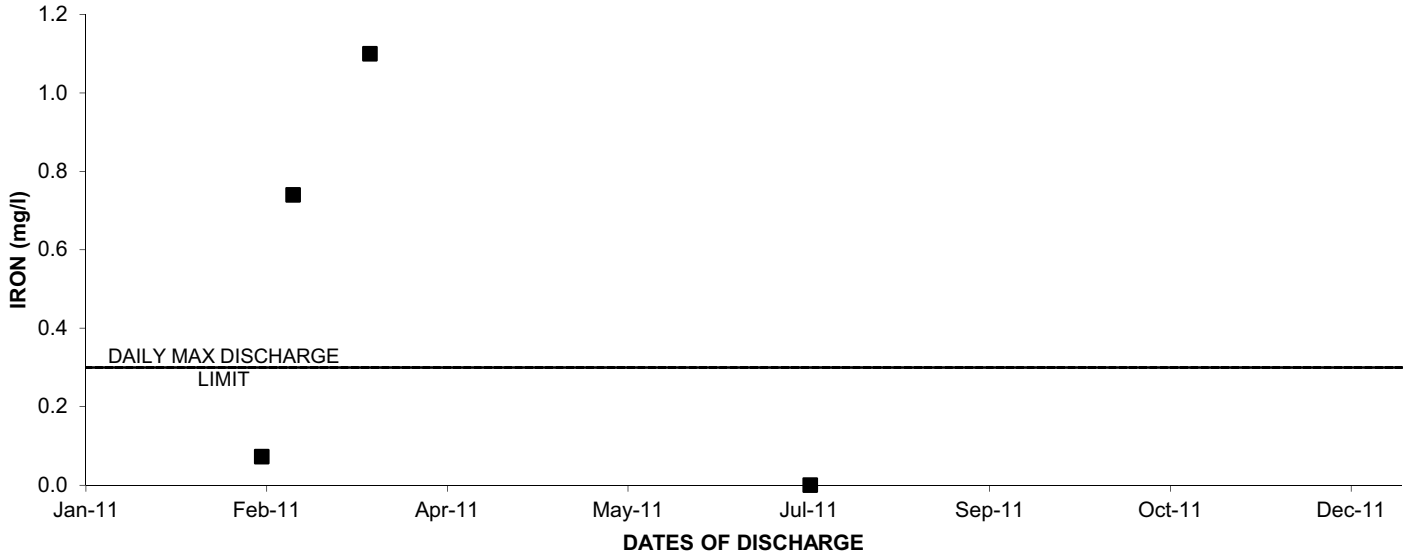
2011: OUTFALL 018 CHROMIUM VI



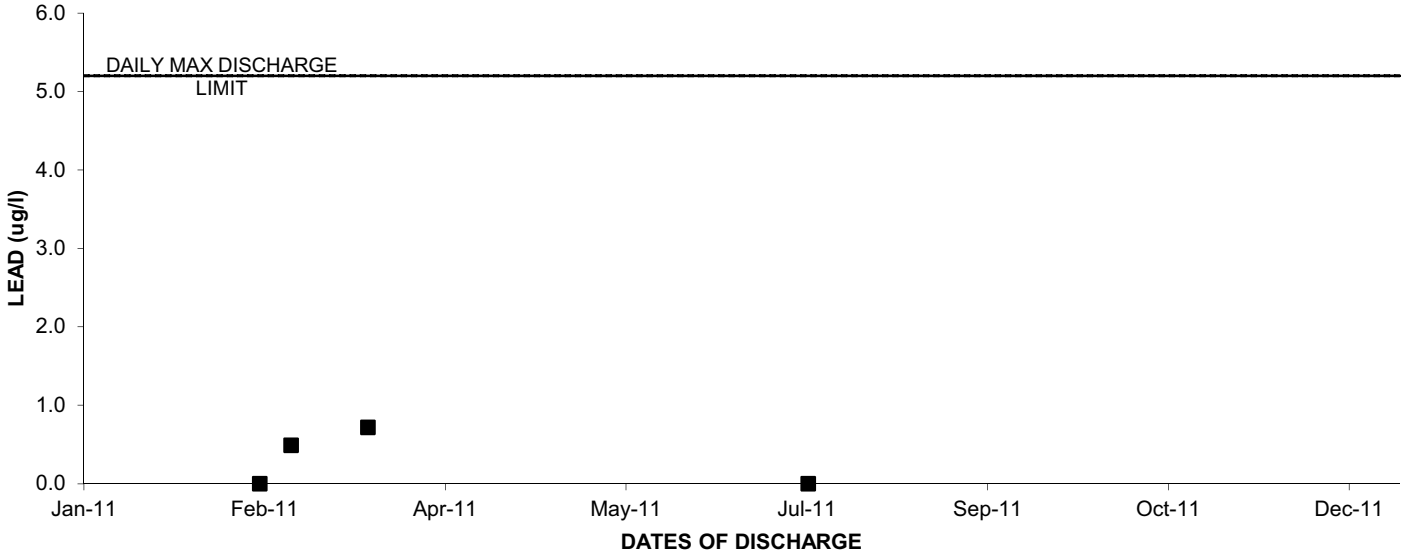
2011: OUTFALL 018 COPPER



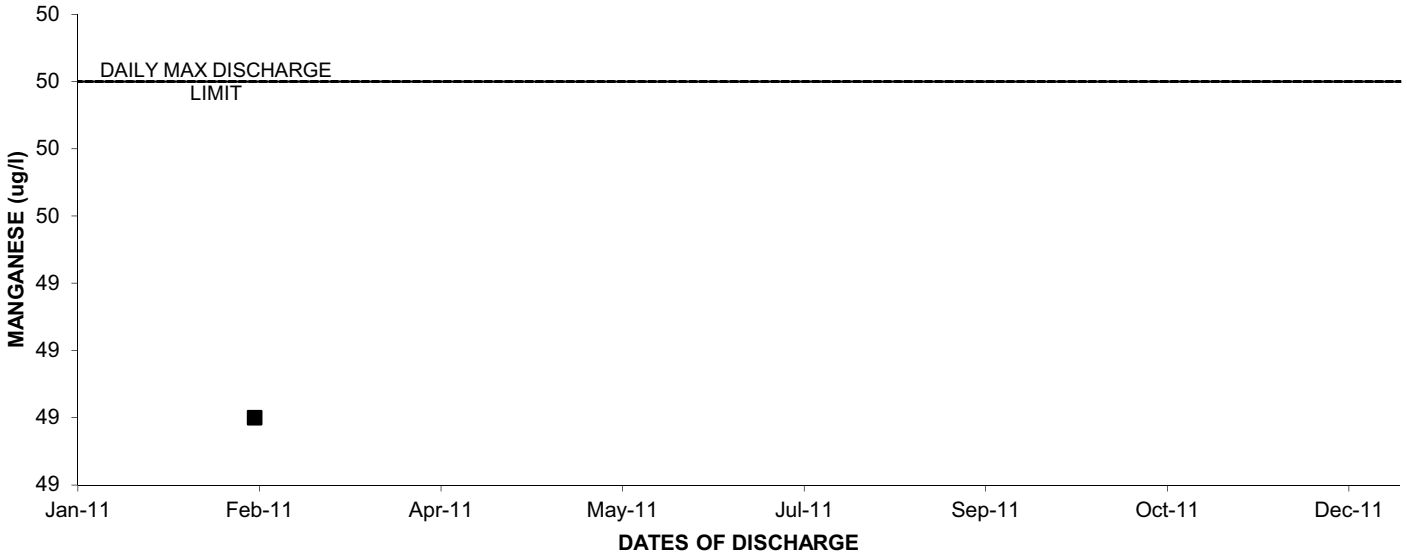
2011: OUTFALL 018 IRON



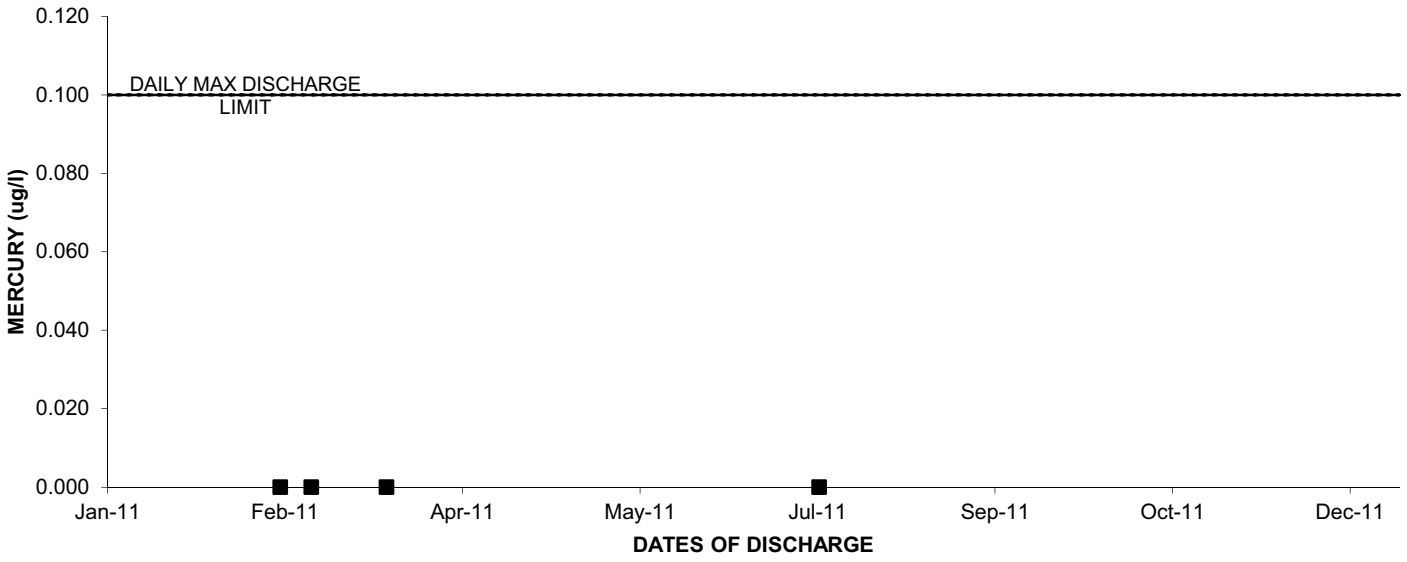
2011: OUTFALL 018 LEAD



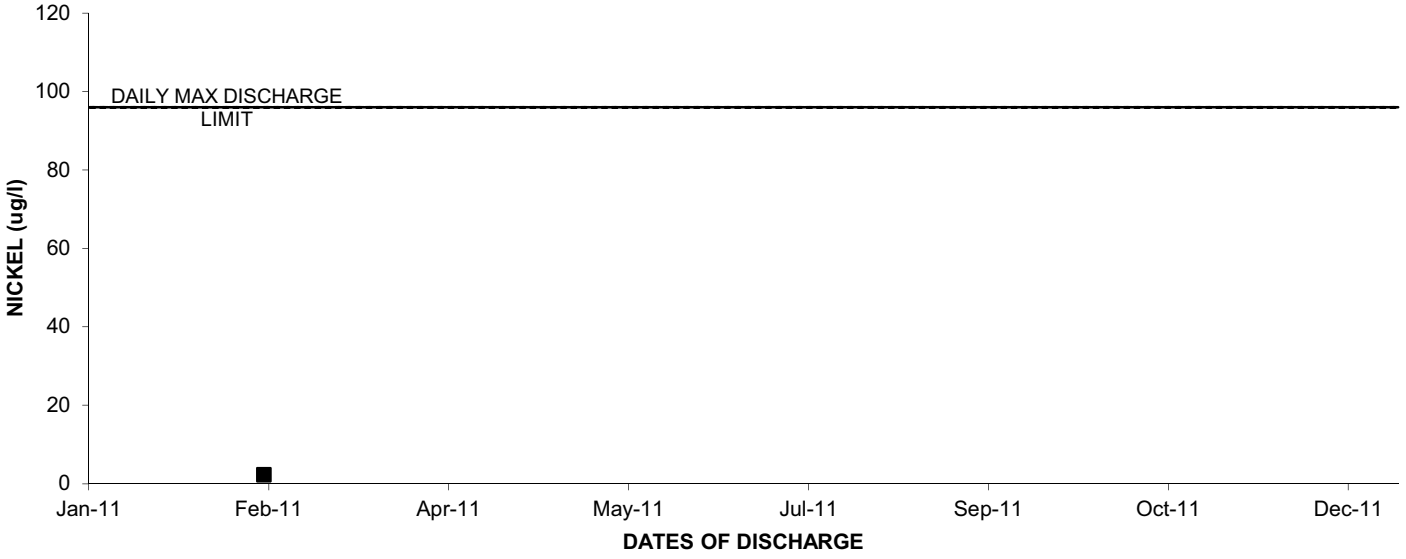
2011: OUTFALL 018 MANGANESE



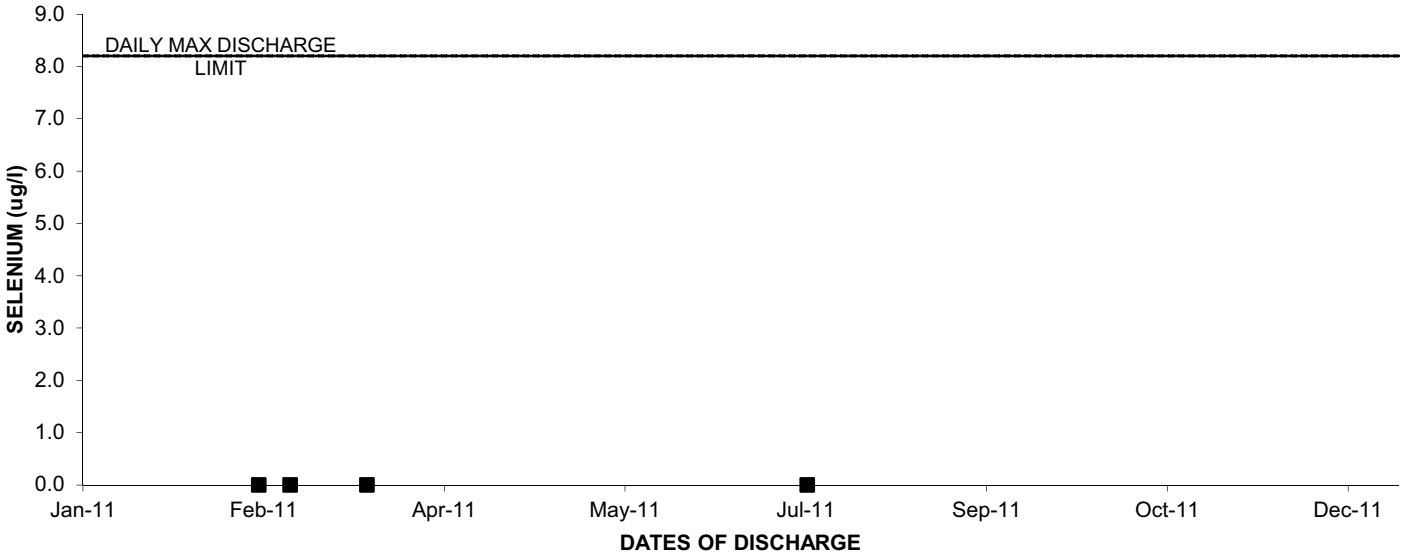
2011: OUTFALL 018 MERCURY



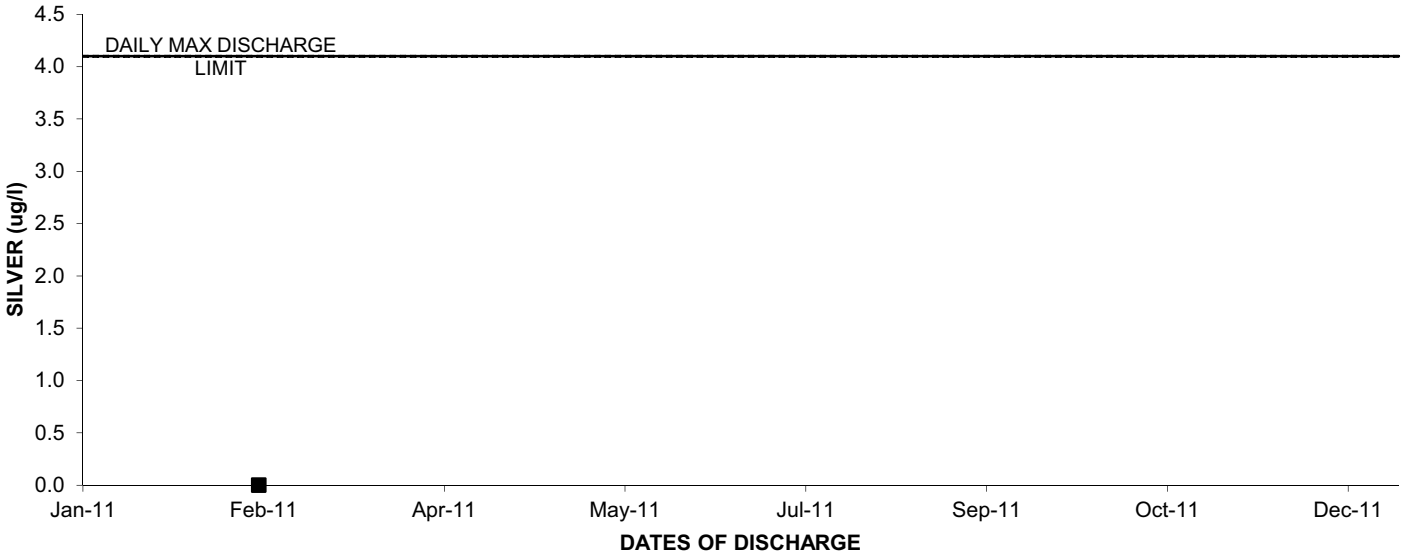
2011: OUTFALL 018 NICKEL



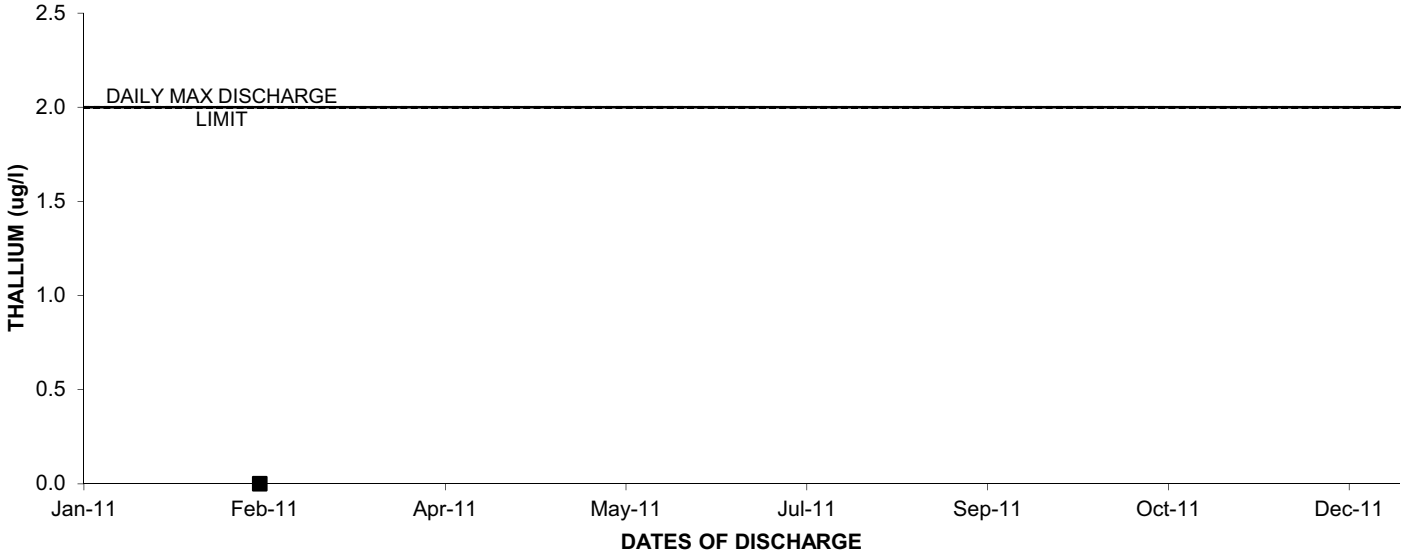
2011: OUTFALL 018 SELENIUM



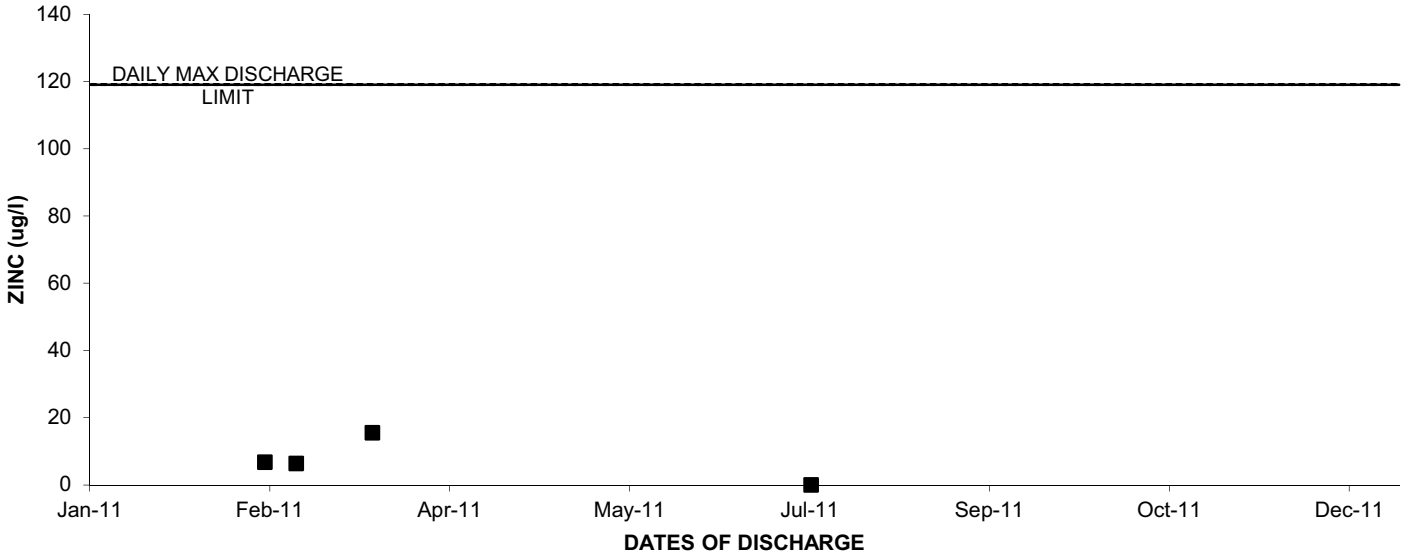
2011: OUTFALL 018 SILVER



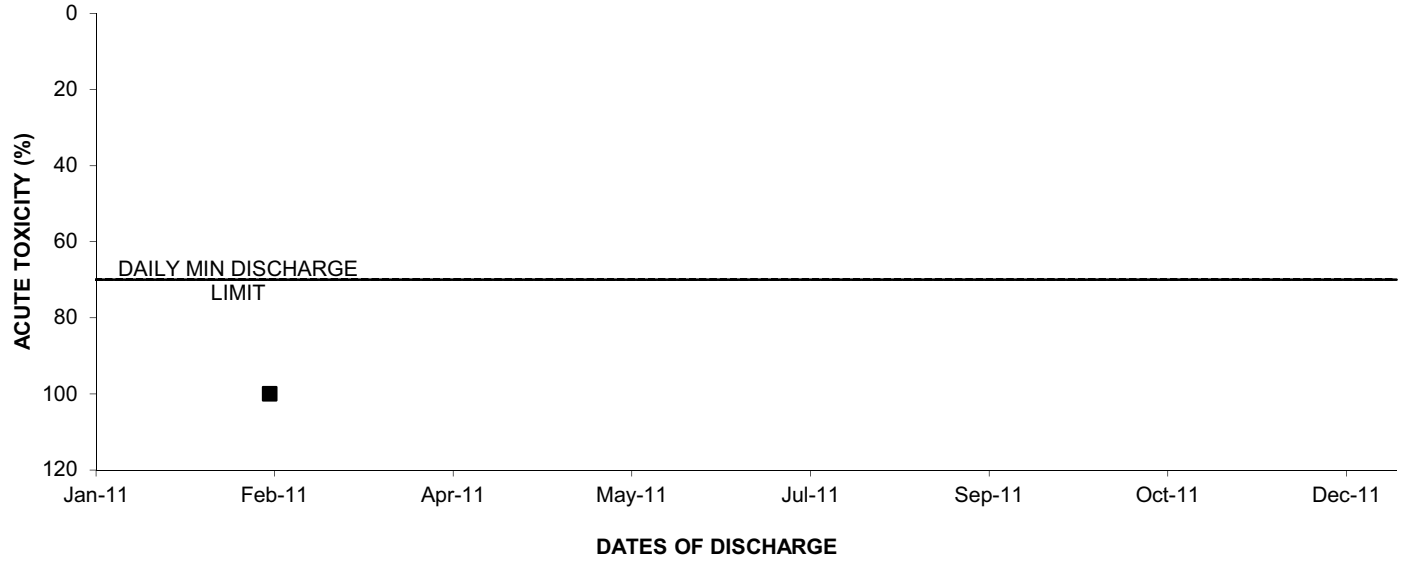
2011: OUTFALL 018 THALLIUM



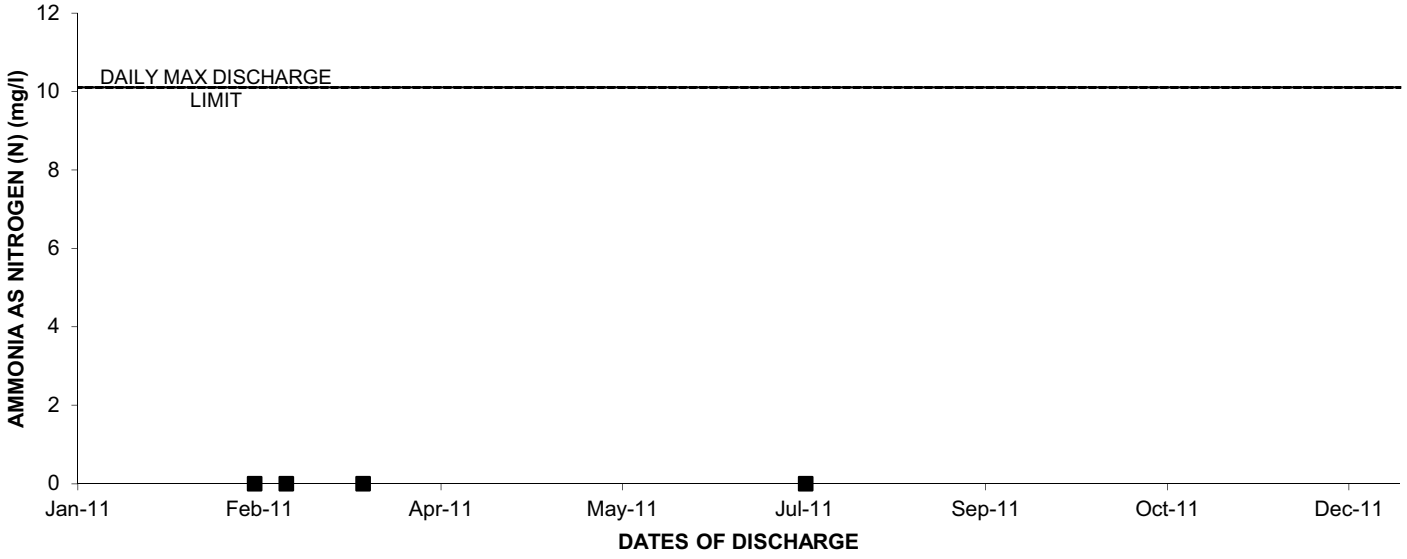
2011: OUTFALL 018 ZINC



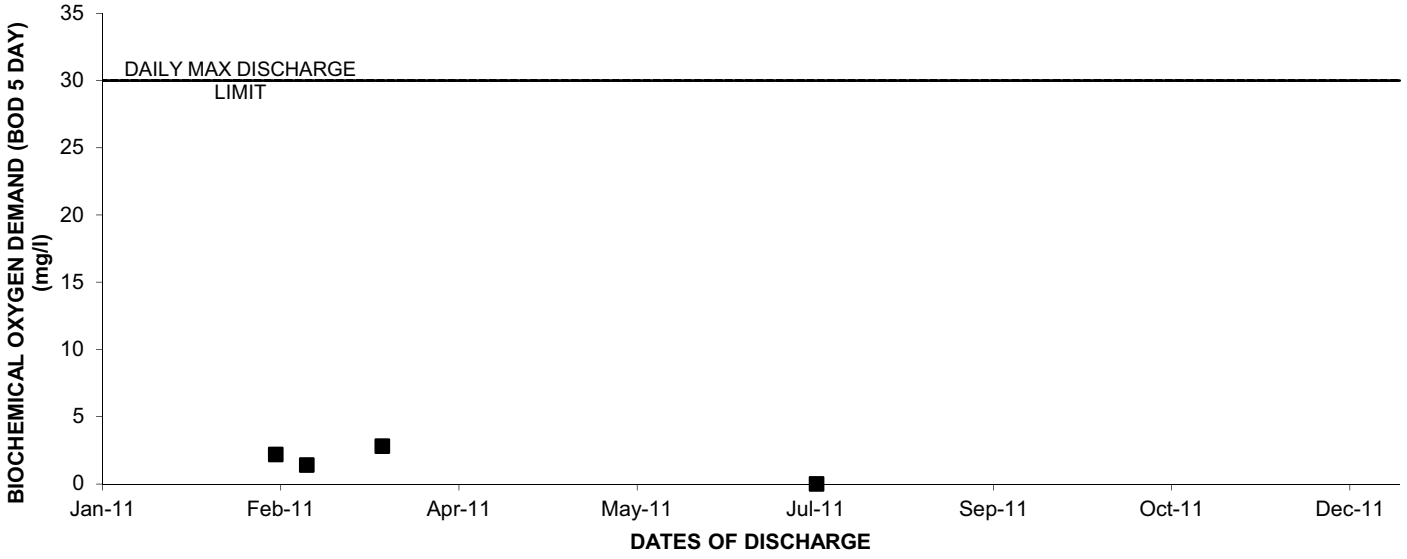
2011: OUTFALL 018 ACUTE TOXICITY



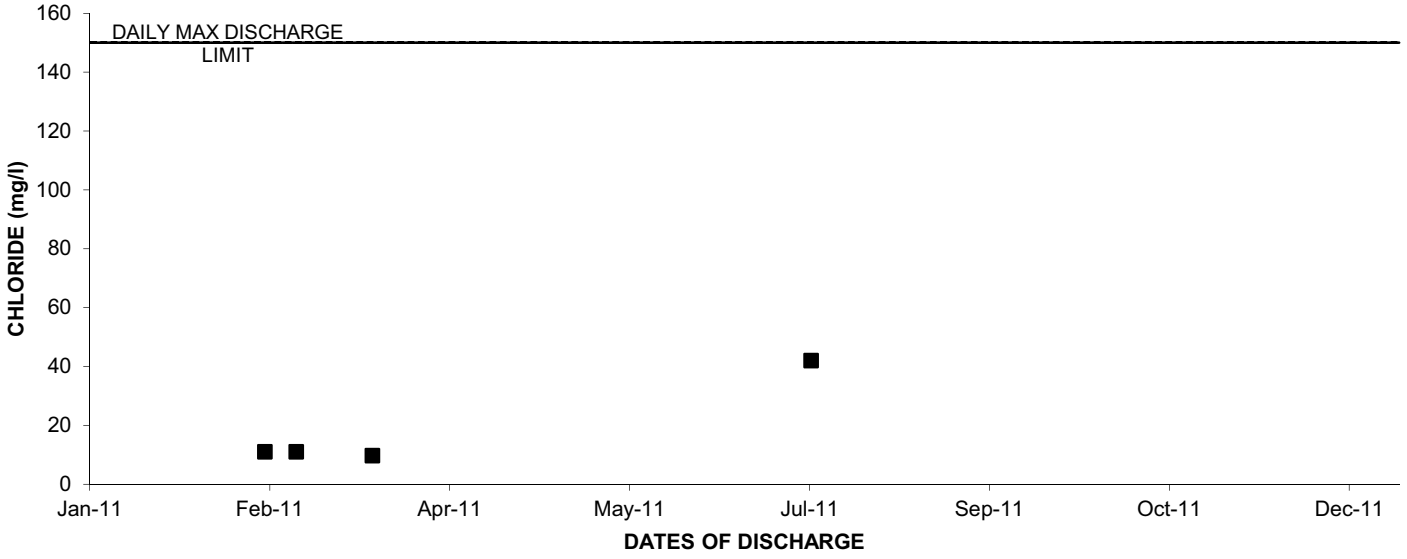
2011: OUTFALL 018 AMMONIA AS NITROGEN (N)



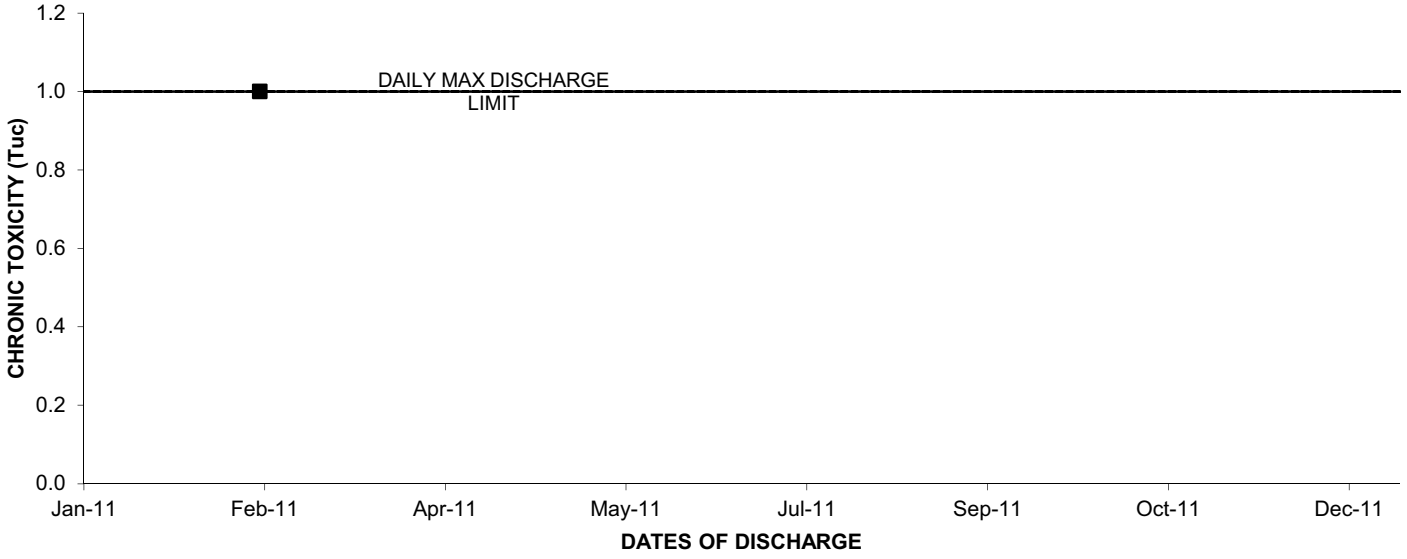
2011: OUTFALL 018 BIOCHEMICAL OXYGEN DEMAND (BOD 5 DAY)



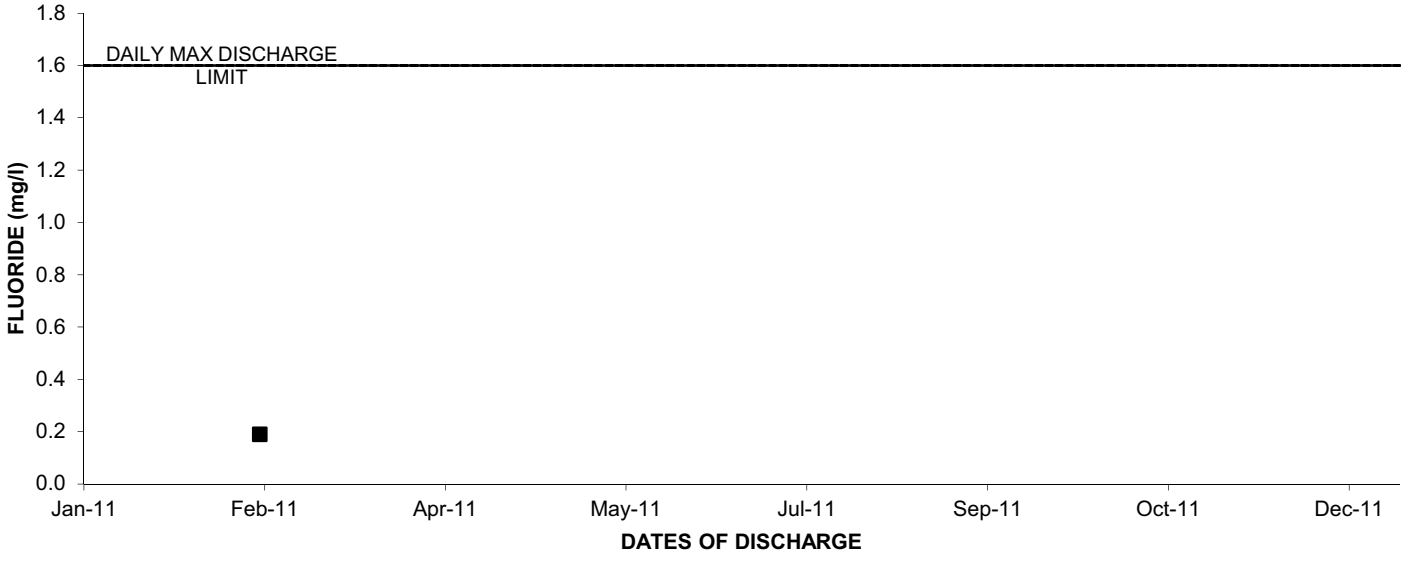
2011: OUTFALL 018 CHLORIDE



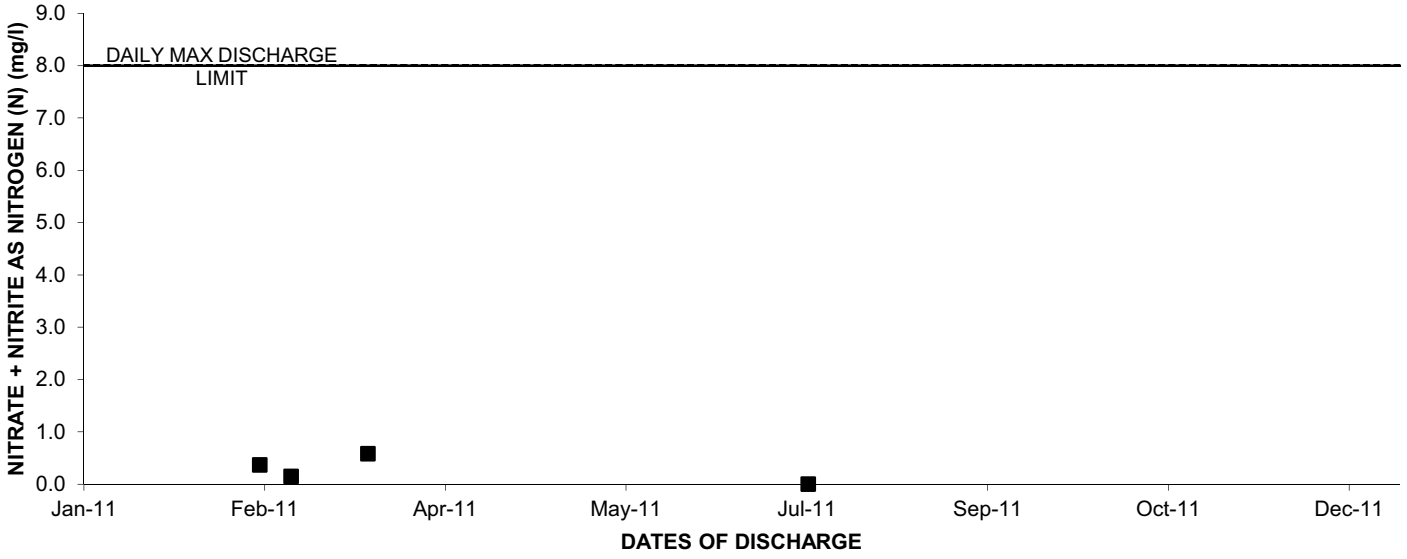
2011: OUTFALL 018 CHRONIC TOXICITY



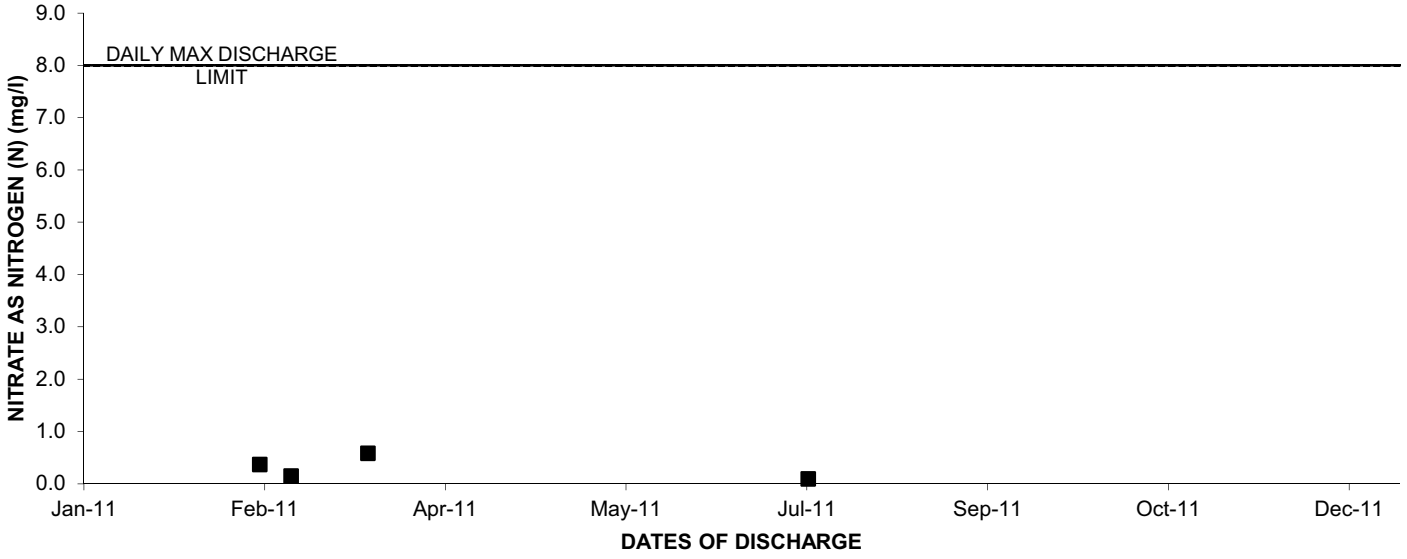
2011: OUTFALL 018 FLUORIDE



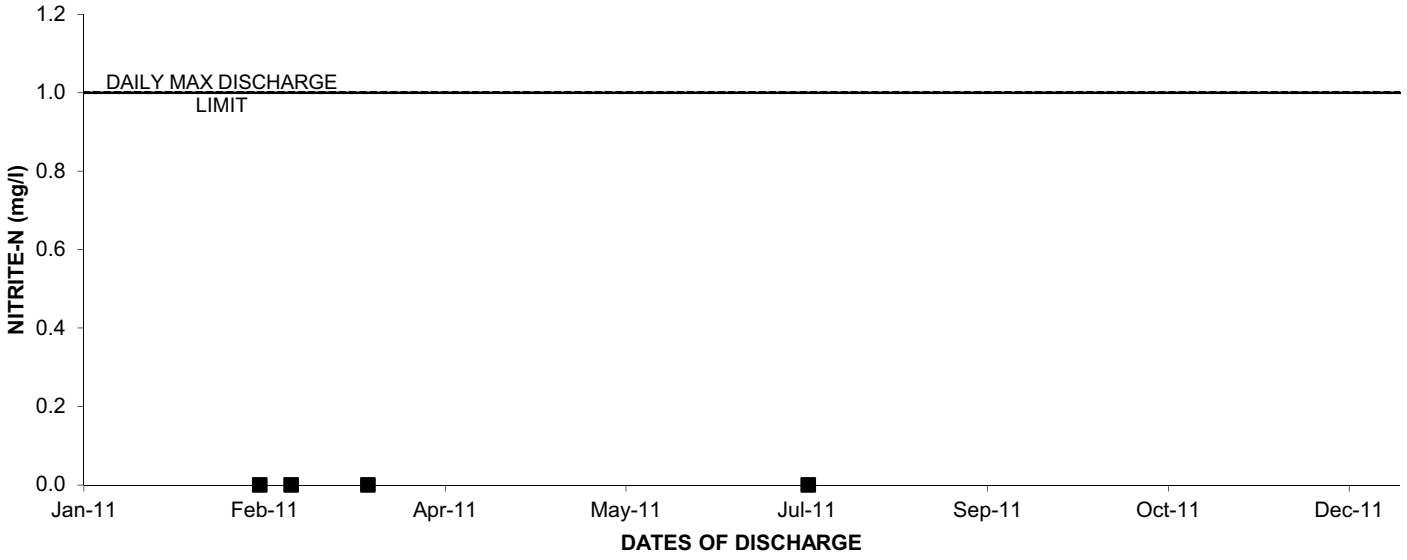
2011: OUTFALL 018 NITRATE + NITRITE AS NITROGEN (N)



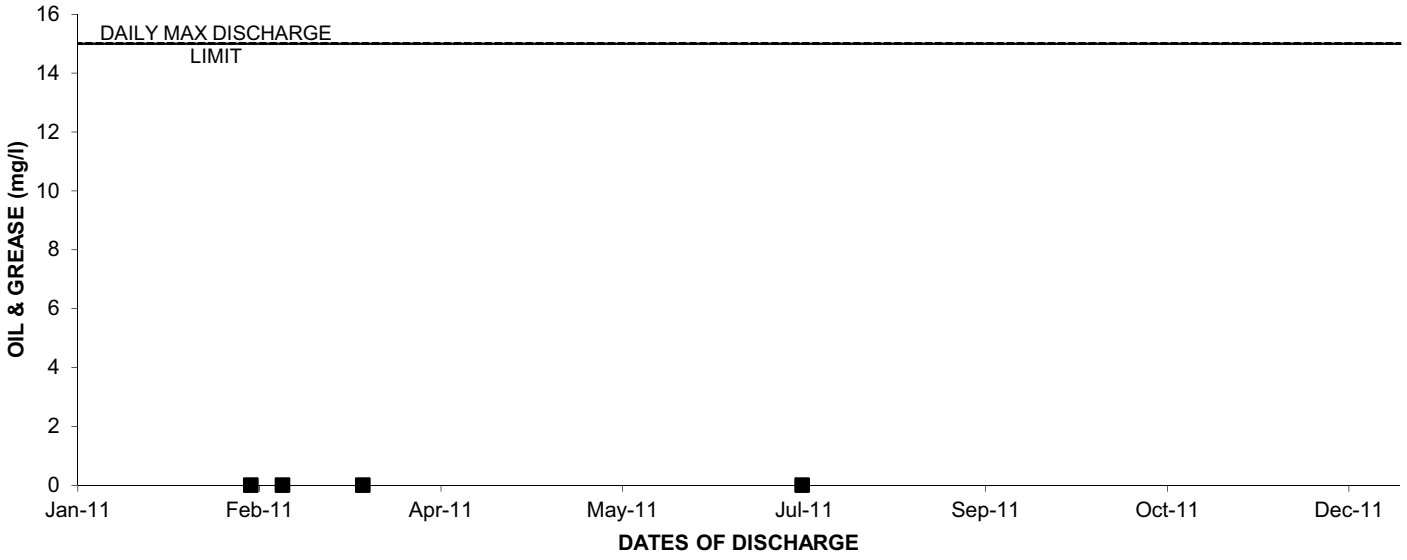
2011: OUTFALL 018 NITRATE AS NITROGEN (N)



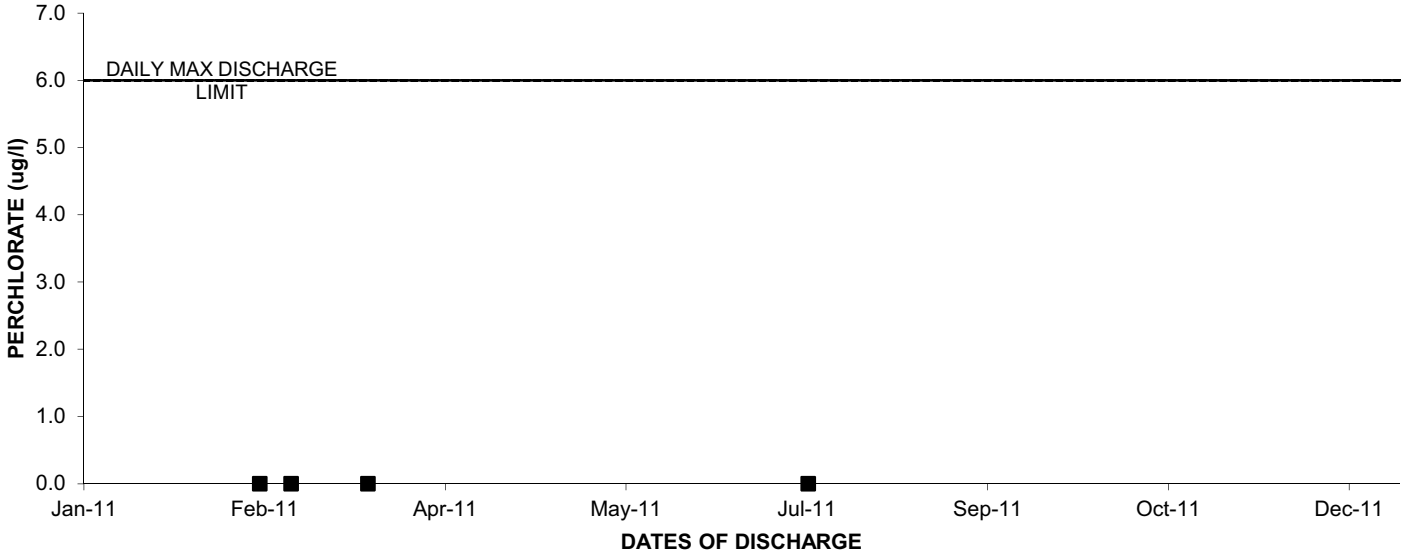
2011: OUTFALL 018 NITRITE-N



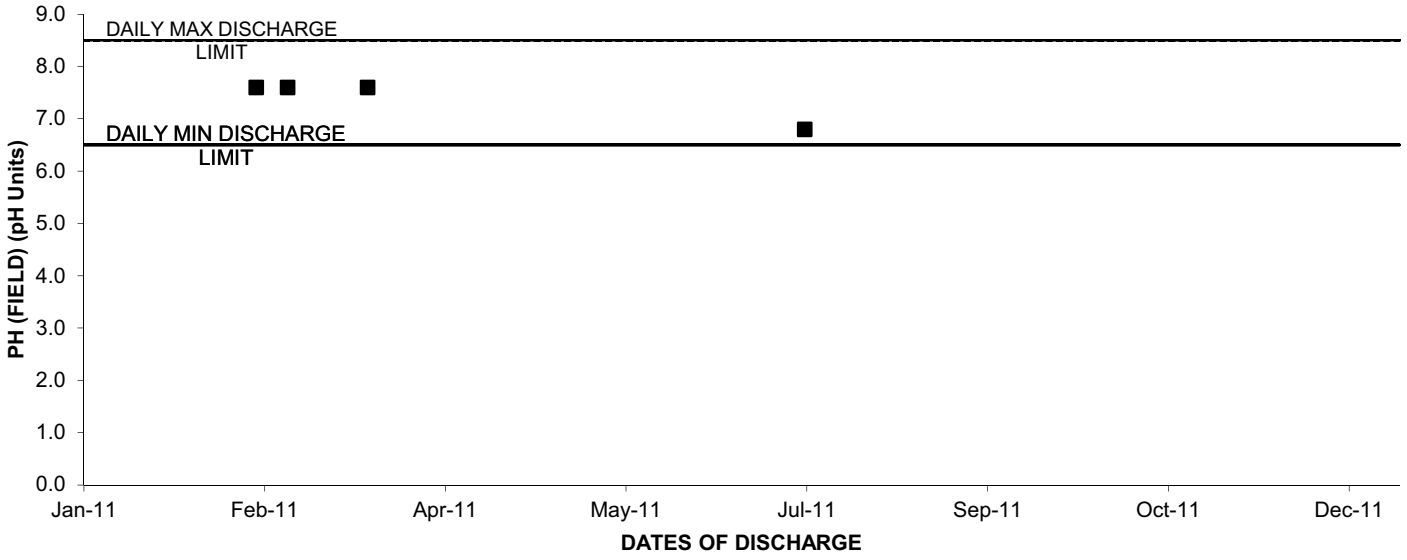
2011: OUTFALL 018 OIL & GREASE



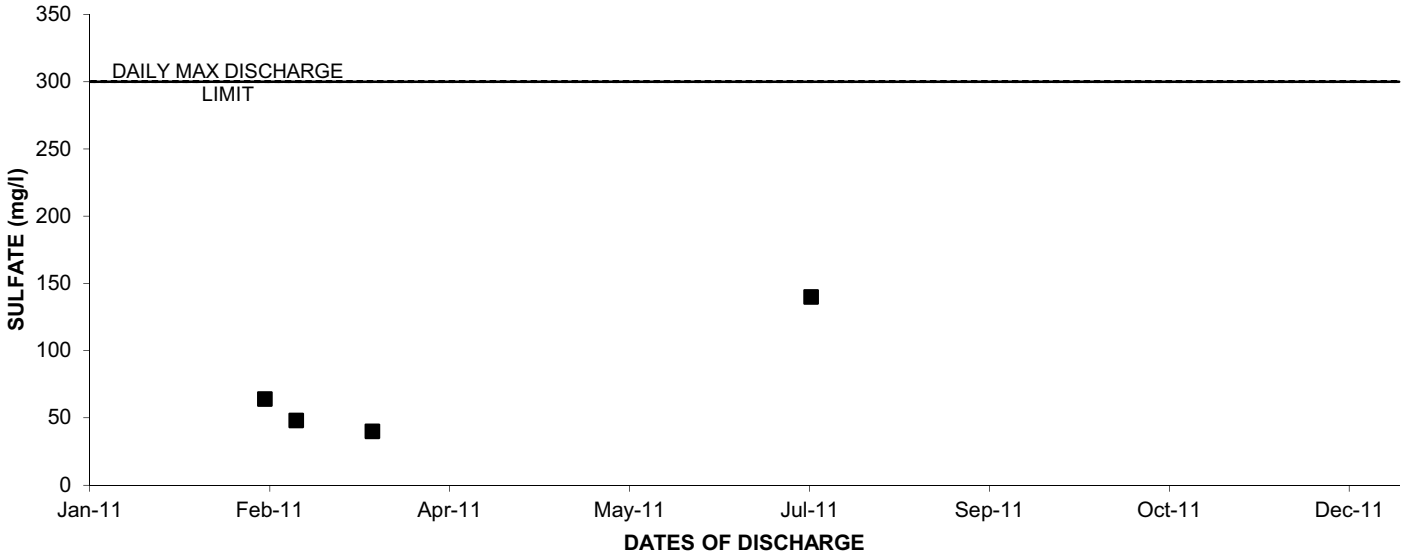
2011: OUTFALL 018 PERCHLORATE



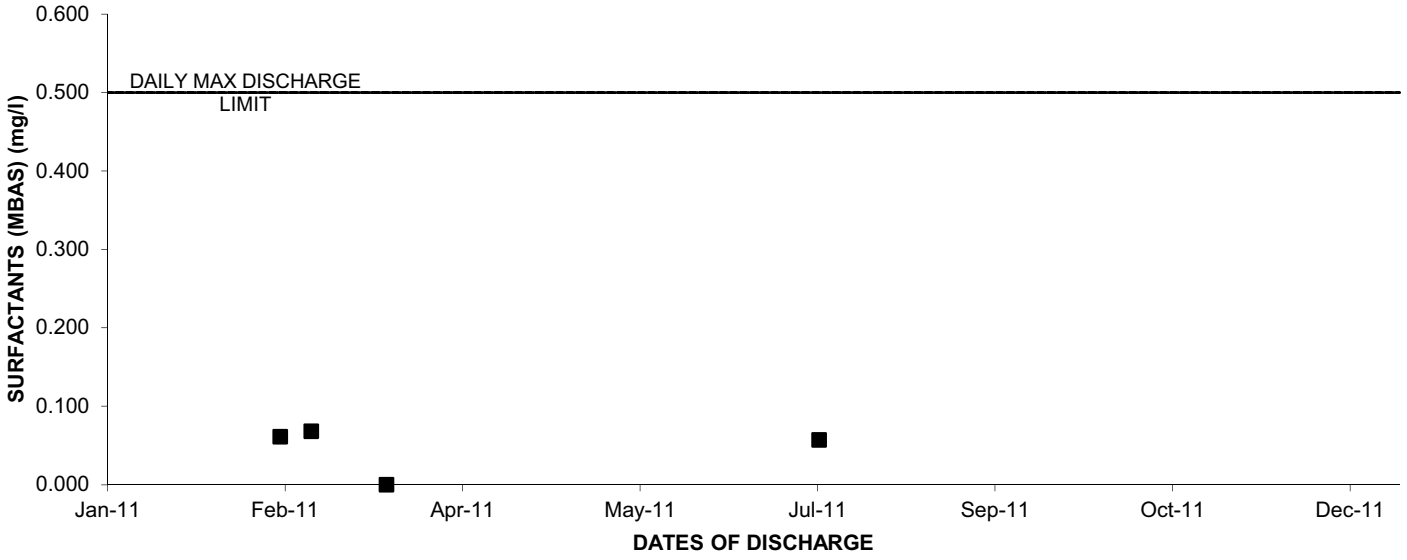
2011: OUTFALL 018 PH (FIELD)



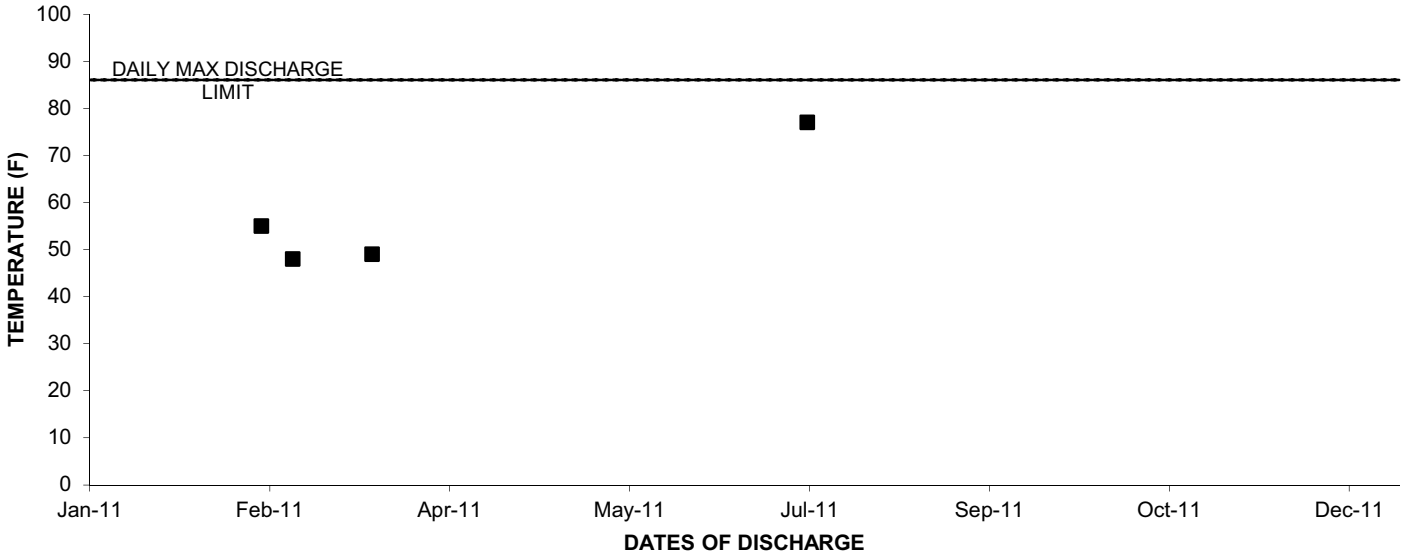
2011: OUTFALL 018 SULFATE



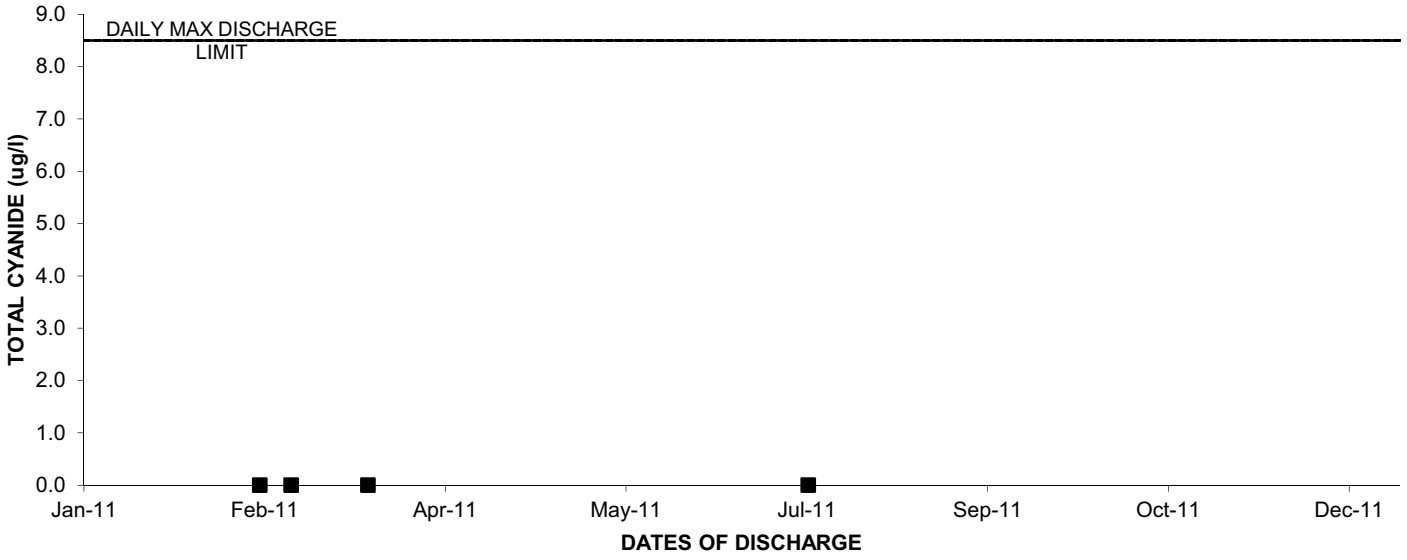
2011: OUTFALL 018 SURFACTANTS (MBAS)



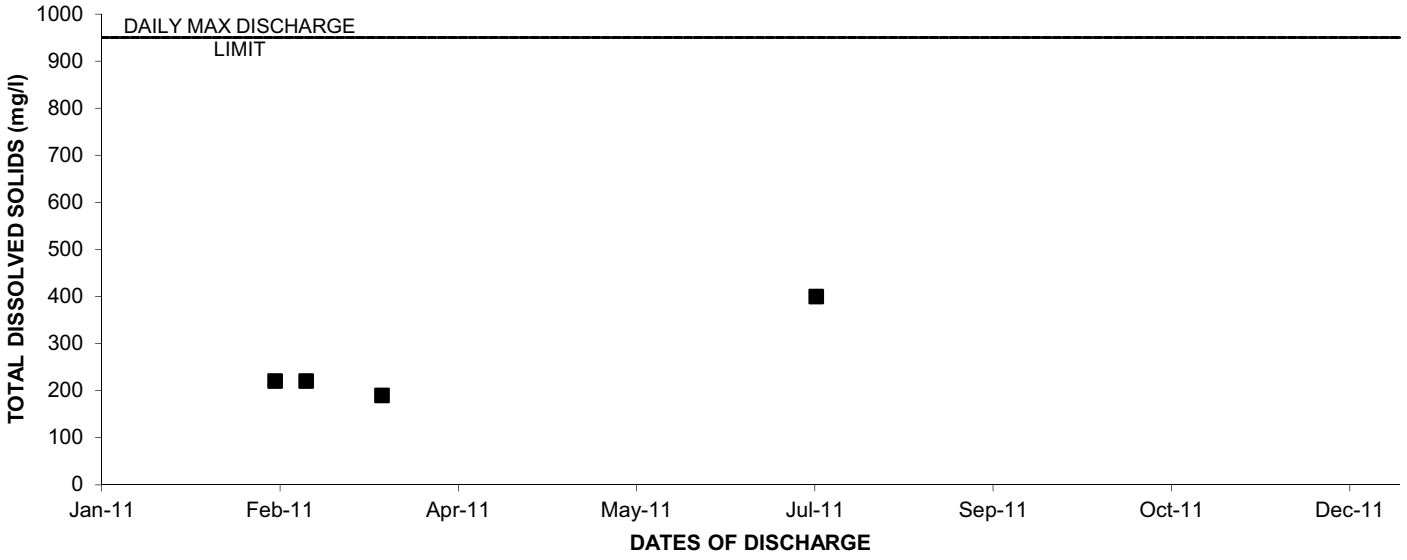
2011: OUTFALL 018 TEMPERATURE



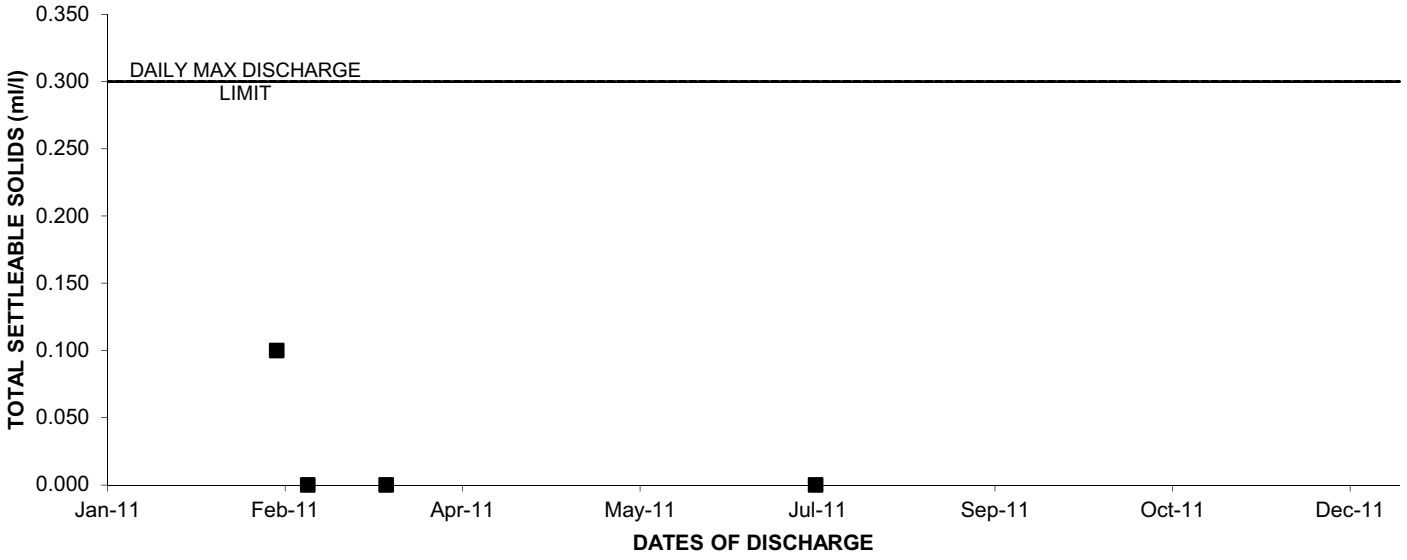
2011: OUTFALL 018 TOTAL CYANIDE



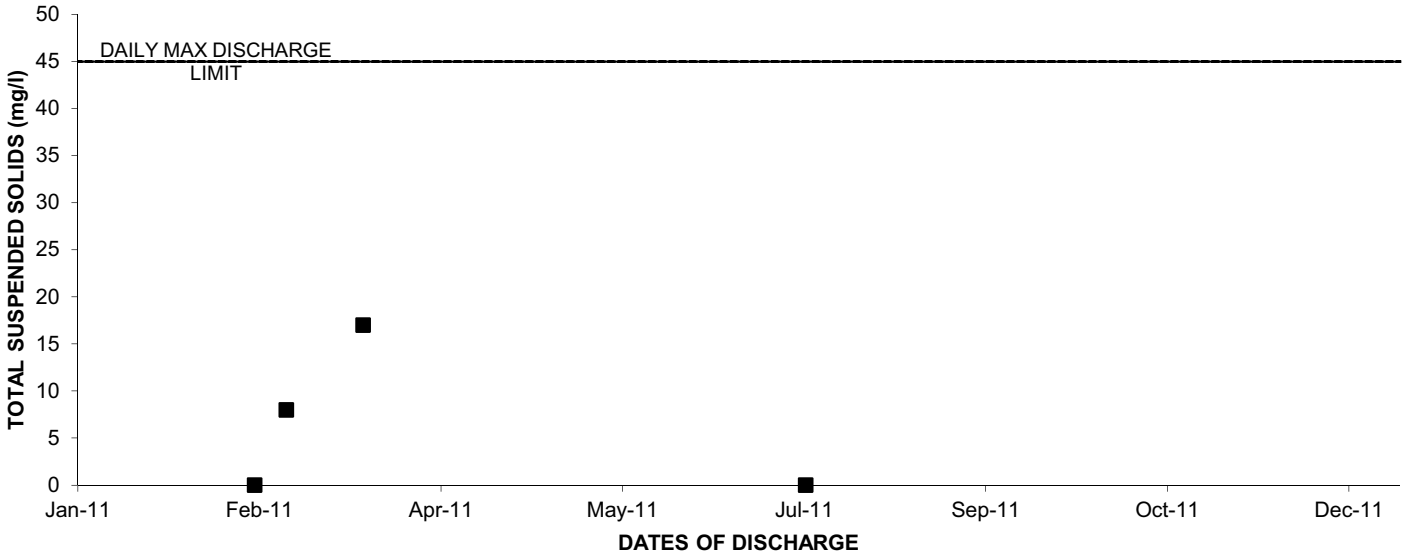
2011: OUTFALL 018 TOTAL DISSOLVED SOLIDS



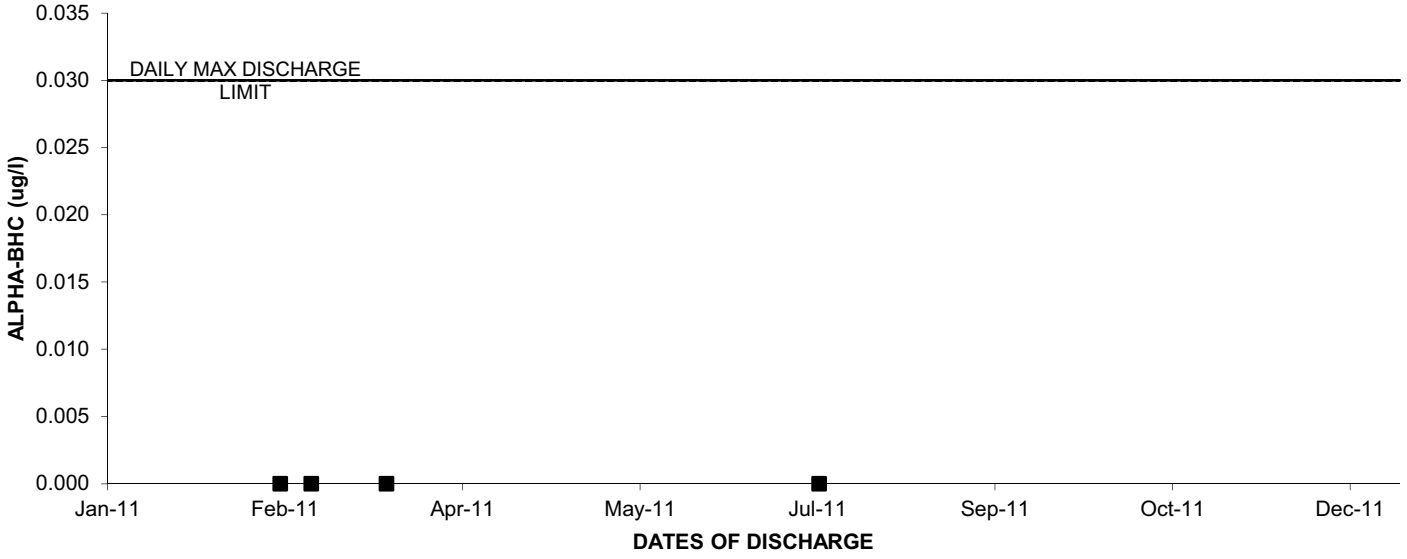
2011: OUTFALL 018 TOTAL SETTLEABLE SOLIDS



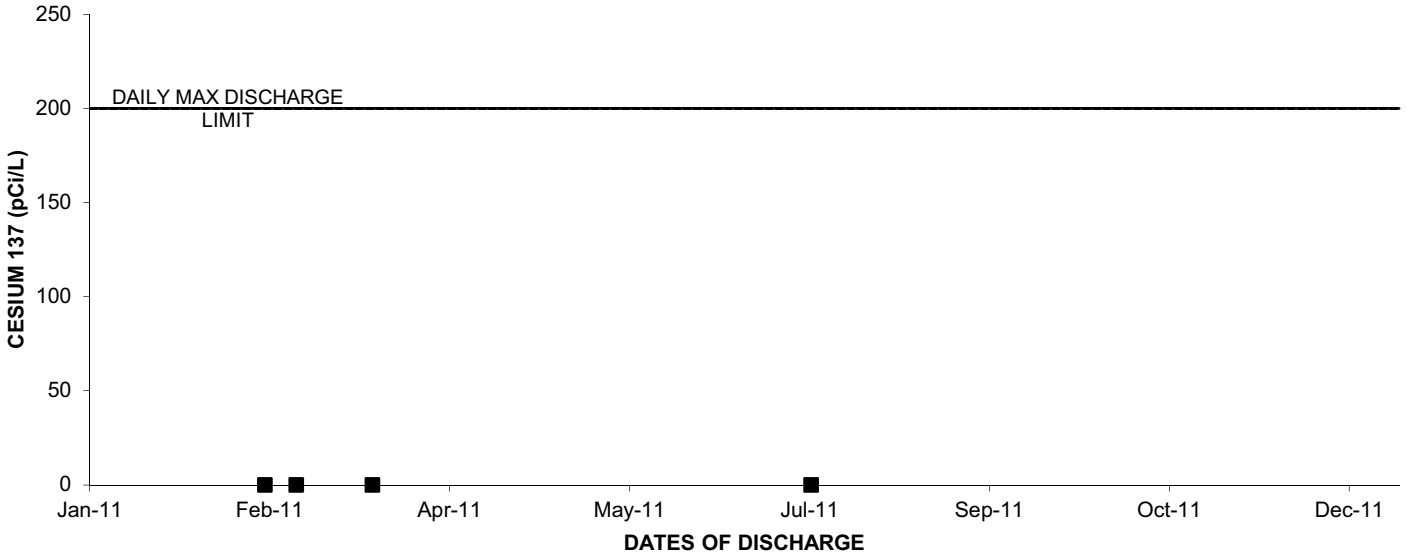
2011: OUTFALL 018 TOTAL SUSPENDED SOLIDS



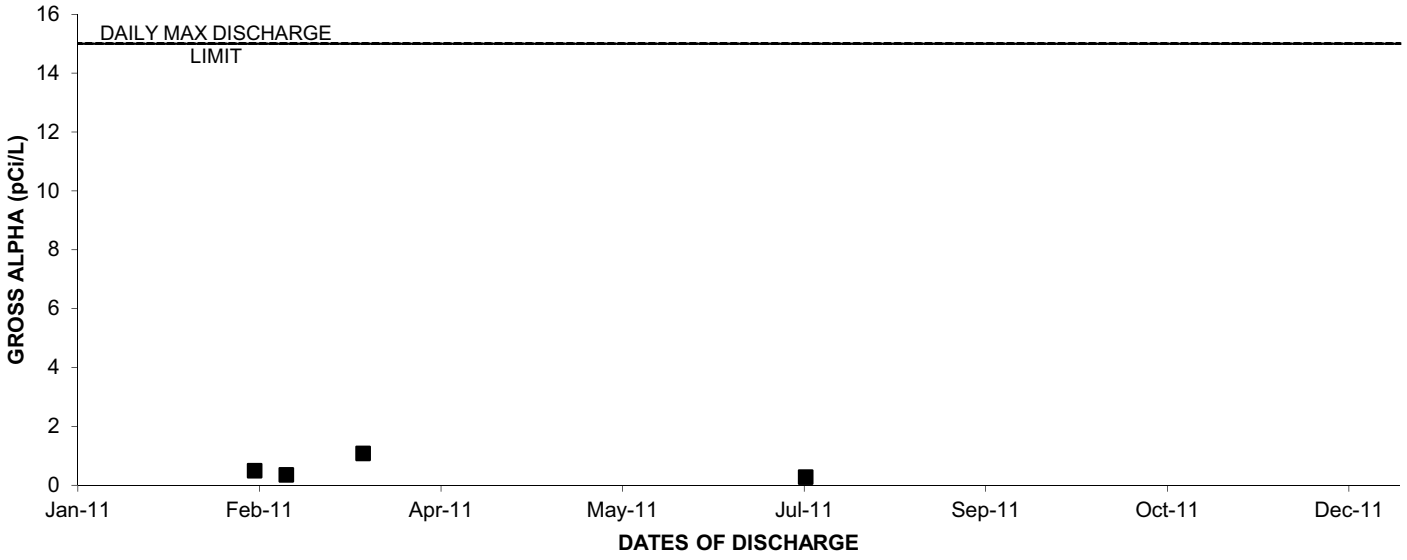
2011: OUTFALL 018 ALPHA-BHC



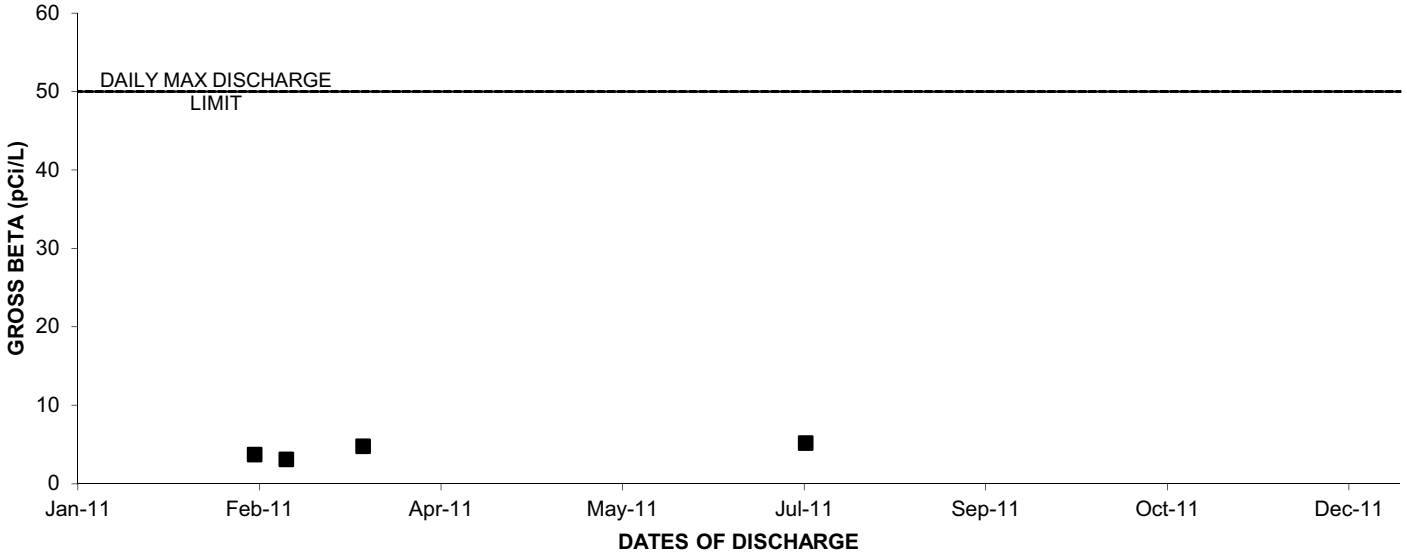
2011: OUTFALL 018 CESIUM 137



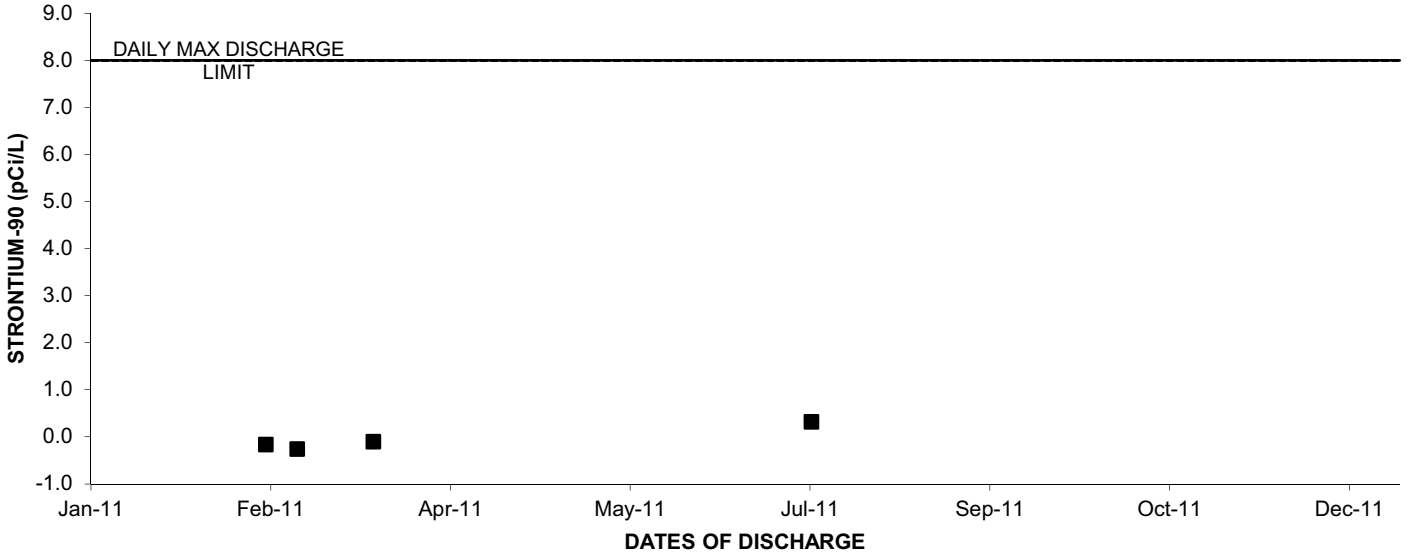
2011: OUTFALL 018 GROSS ALPHA



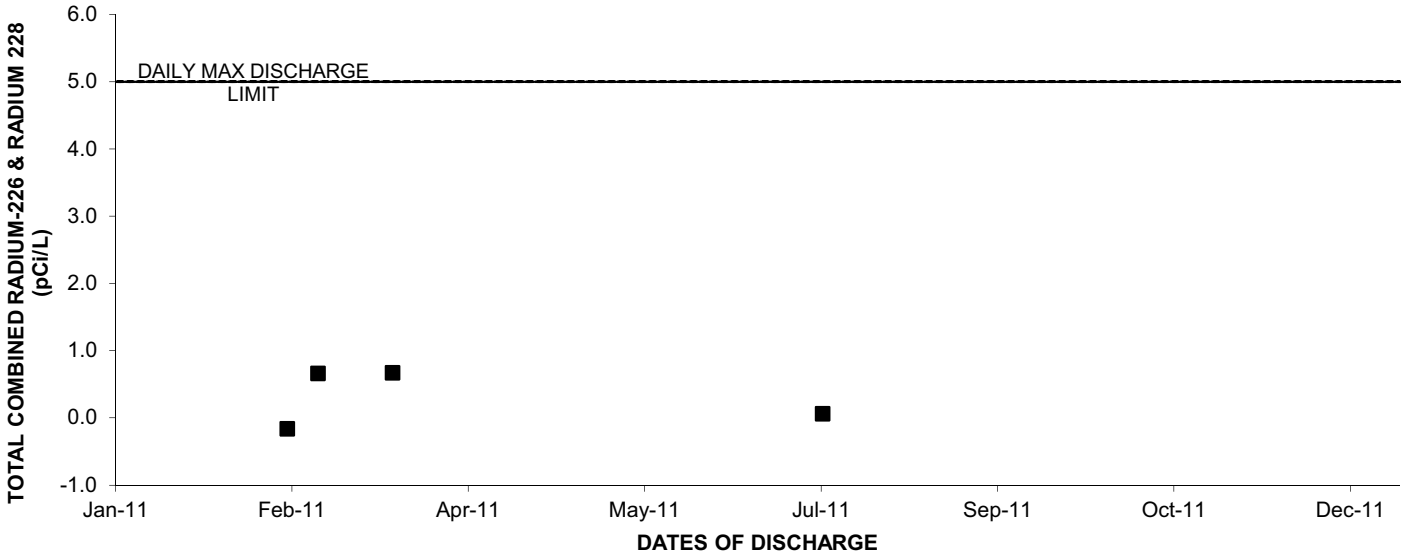
2011: OUTFALL 018 GROSS BETA



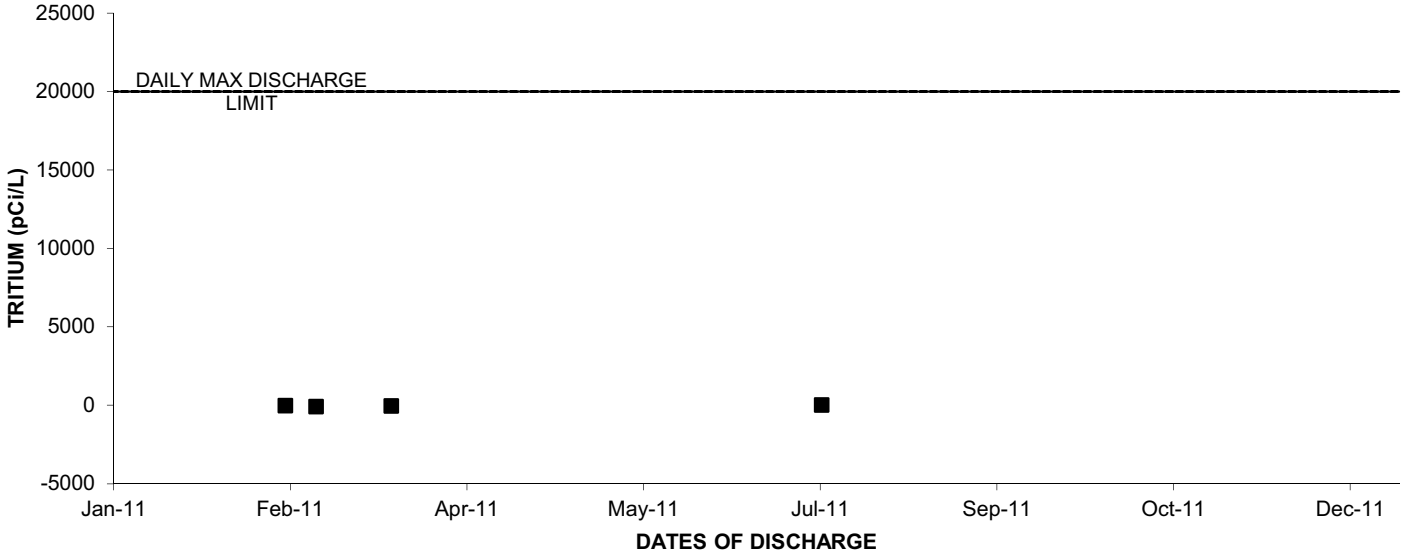
2011: OUTFALL 018 STRONTIUM-90



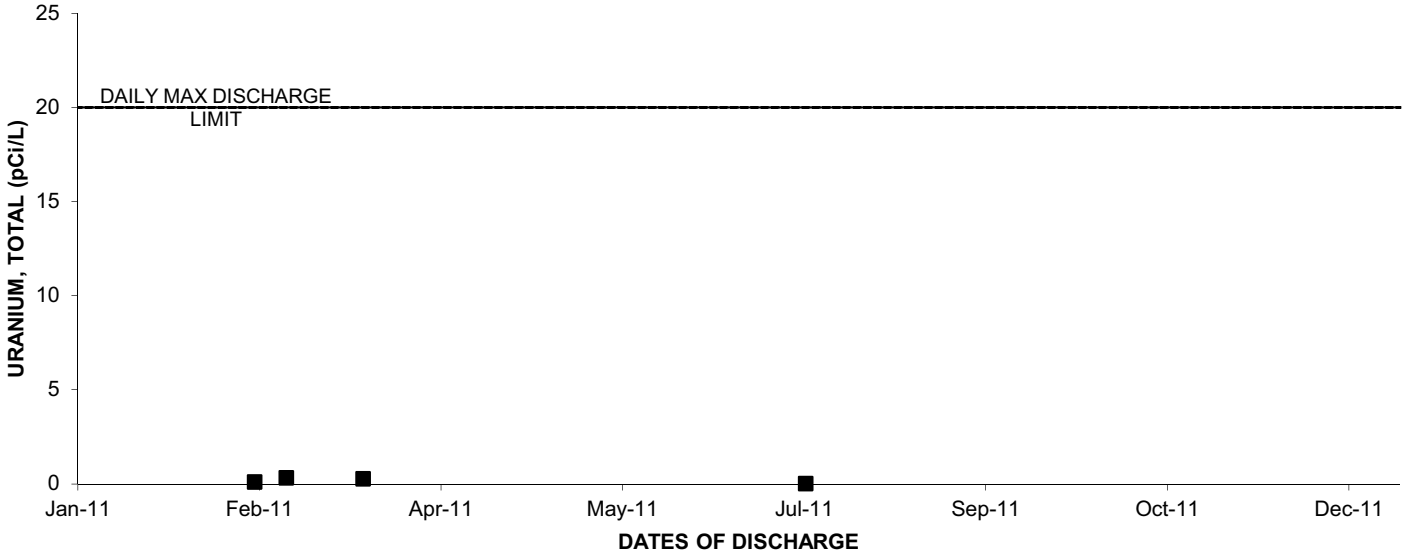
2011: OUTFALL 018 TOTAL COMBINED RADIUM-226 & RADIUM 228



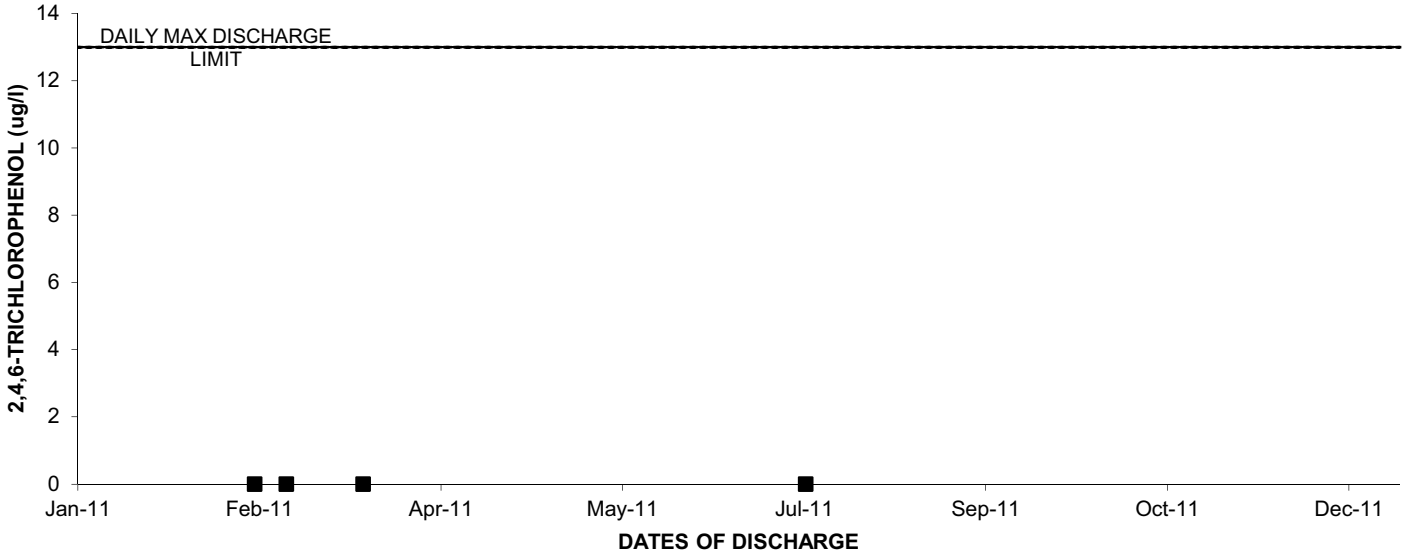
2011: OUTFALL 018 TRITIUM



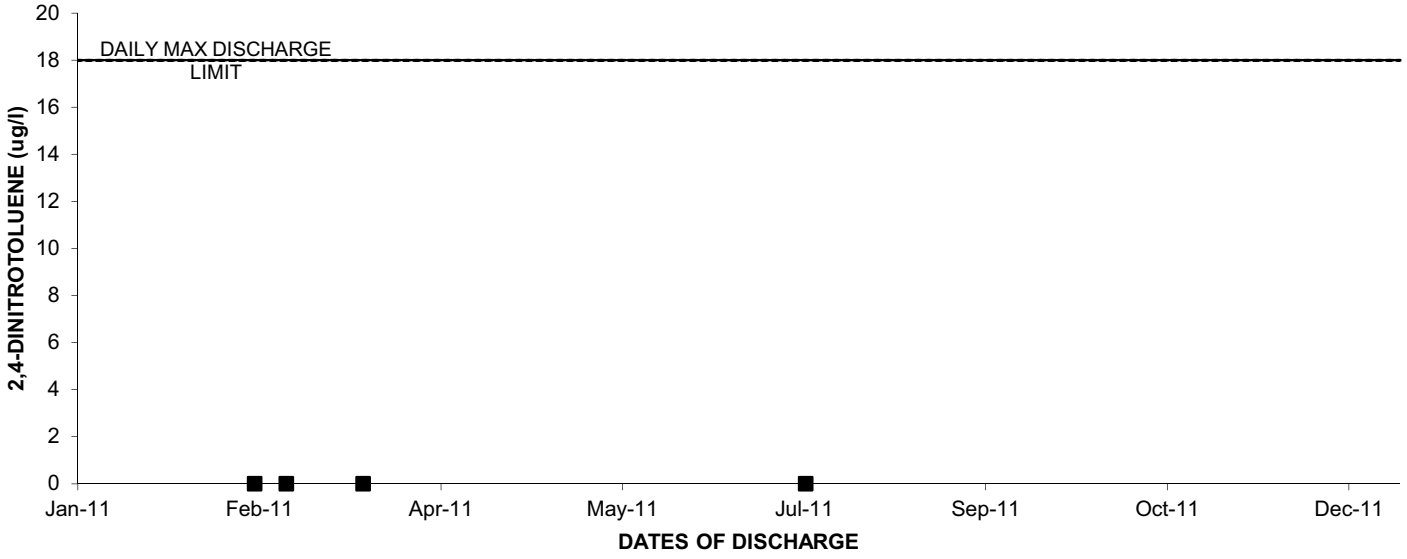
2011: OUTFALL 018 URANIUM, TOTAL



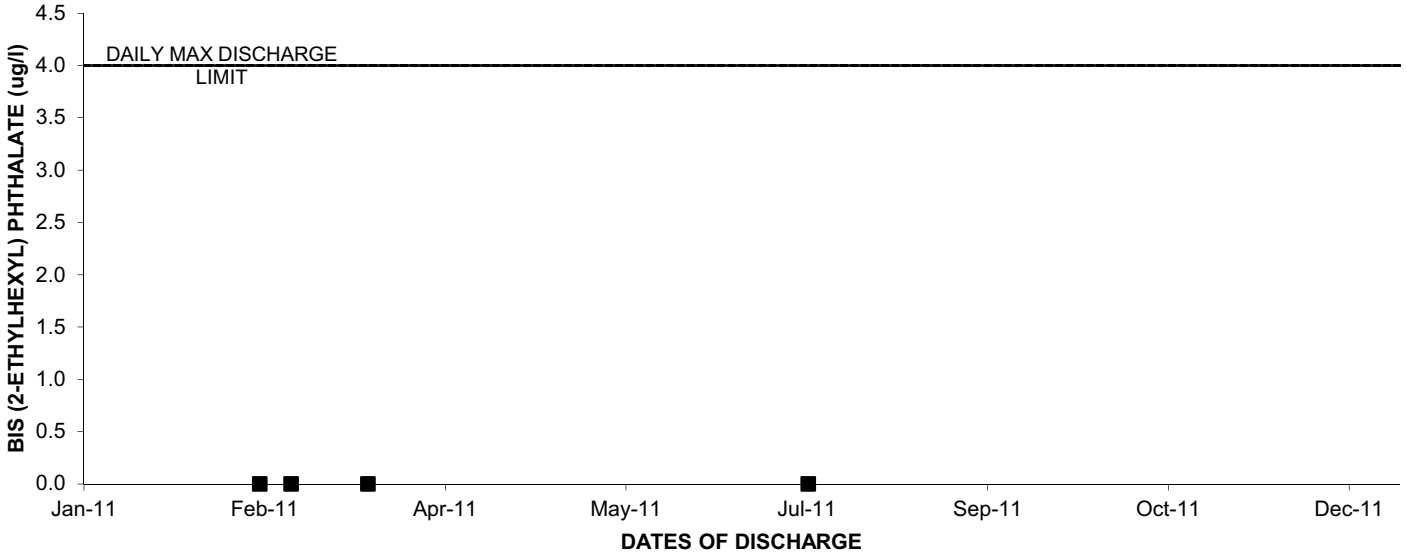
2011: OUTFALL 018 2,4,6-TRICHLOROPHENOL



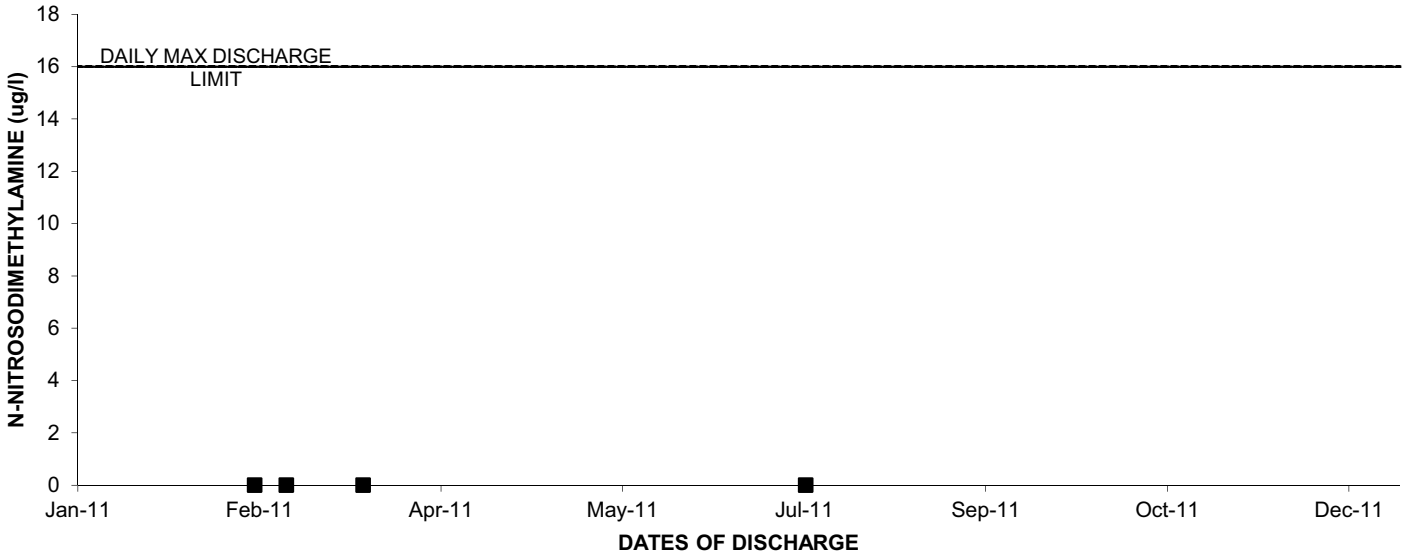
2011: OUTFALL 018 2,4-DINITROTOLUENE



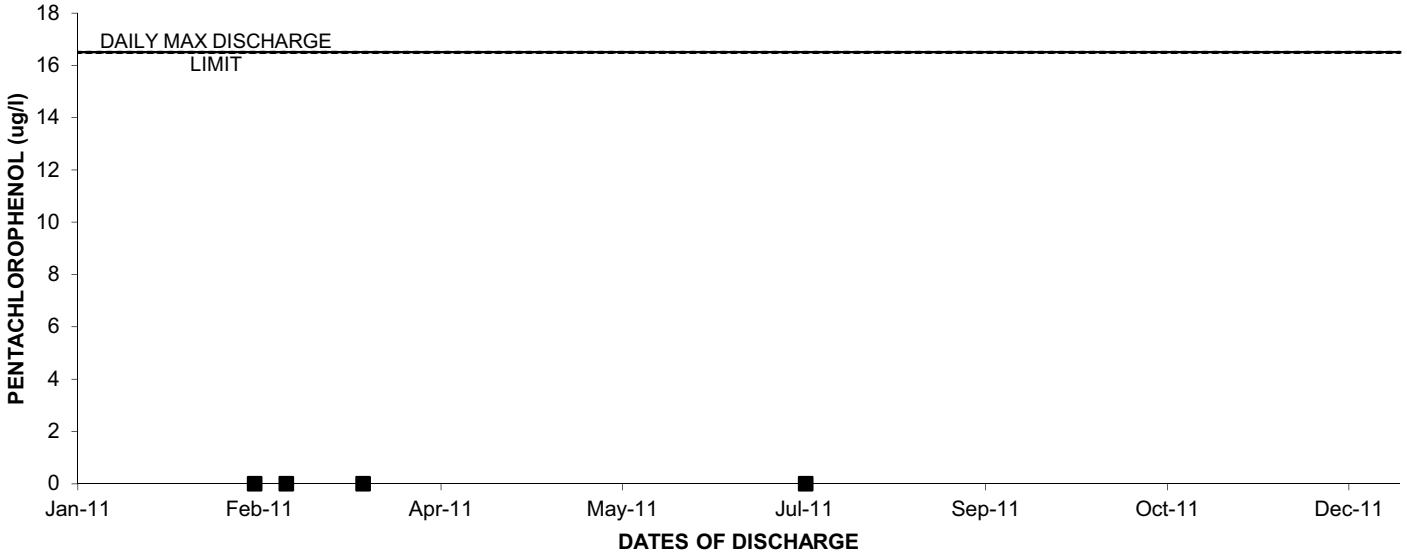
2011: OUTFALL 018 BIS (2-ETHYLHEXYL) PHTHALATE



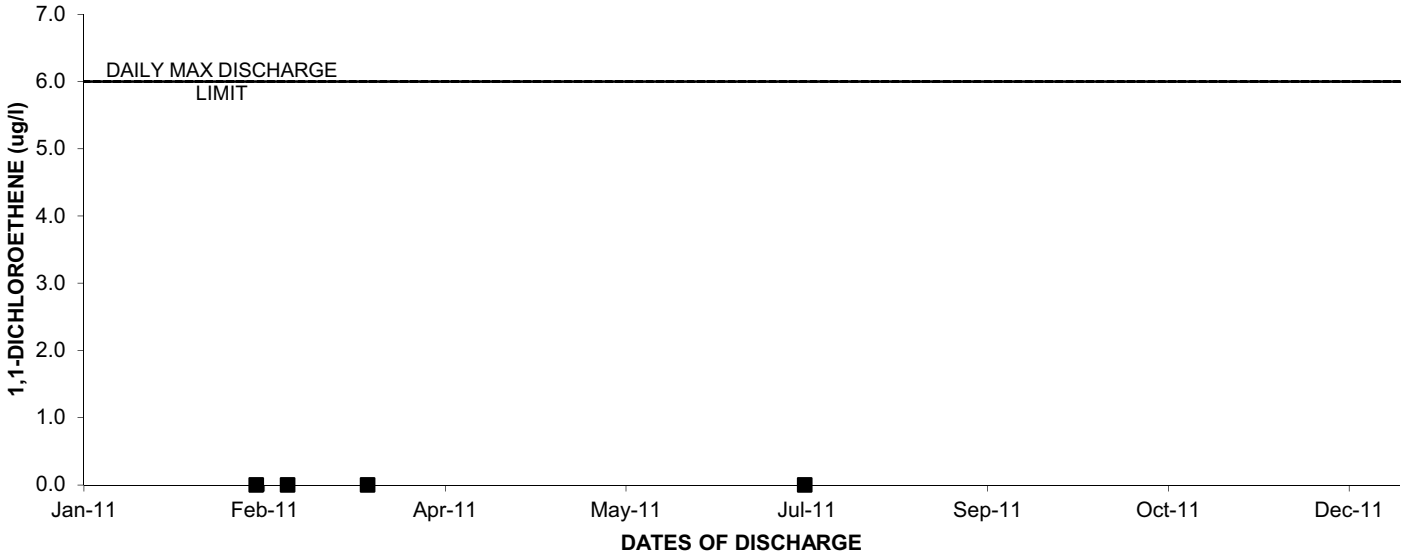
2011: OUTFALL 018 N-NITROSODIMETHYLAMINE



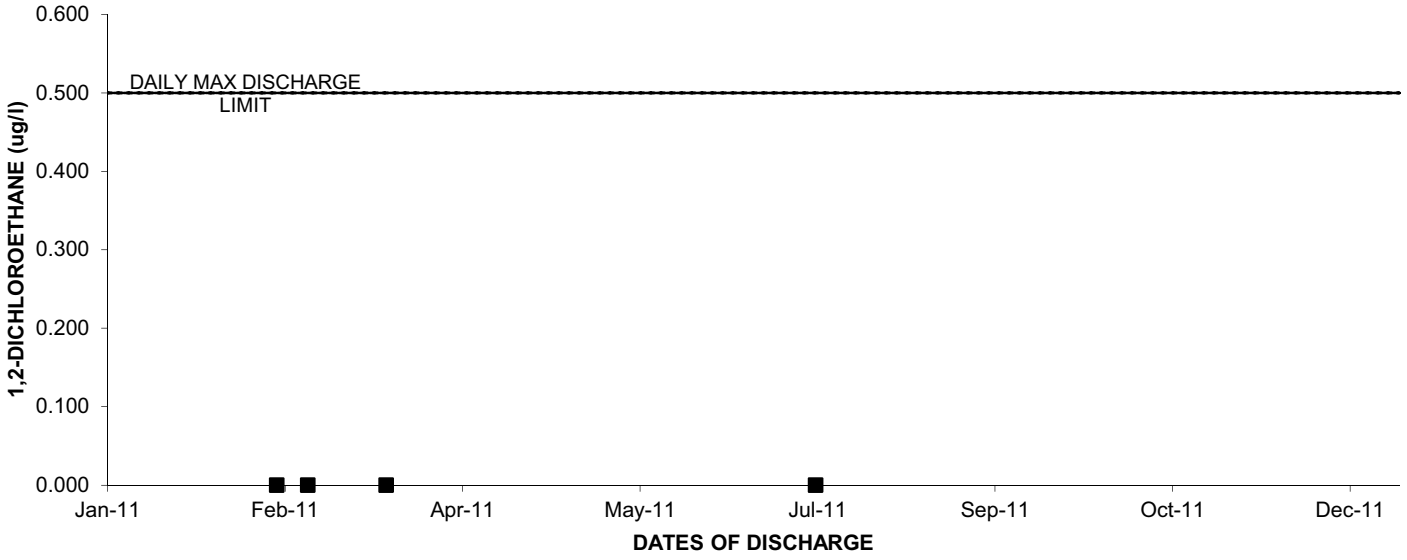
2011: OUTFALL 018 PENTACHLOROPHENOL

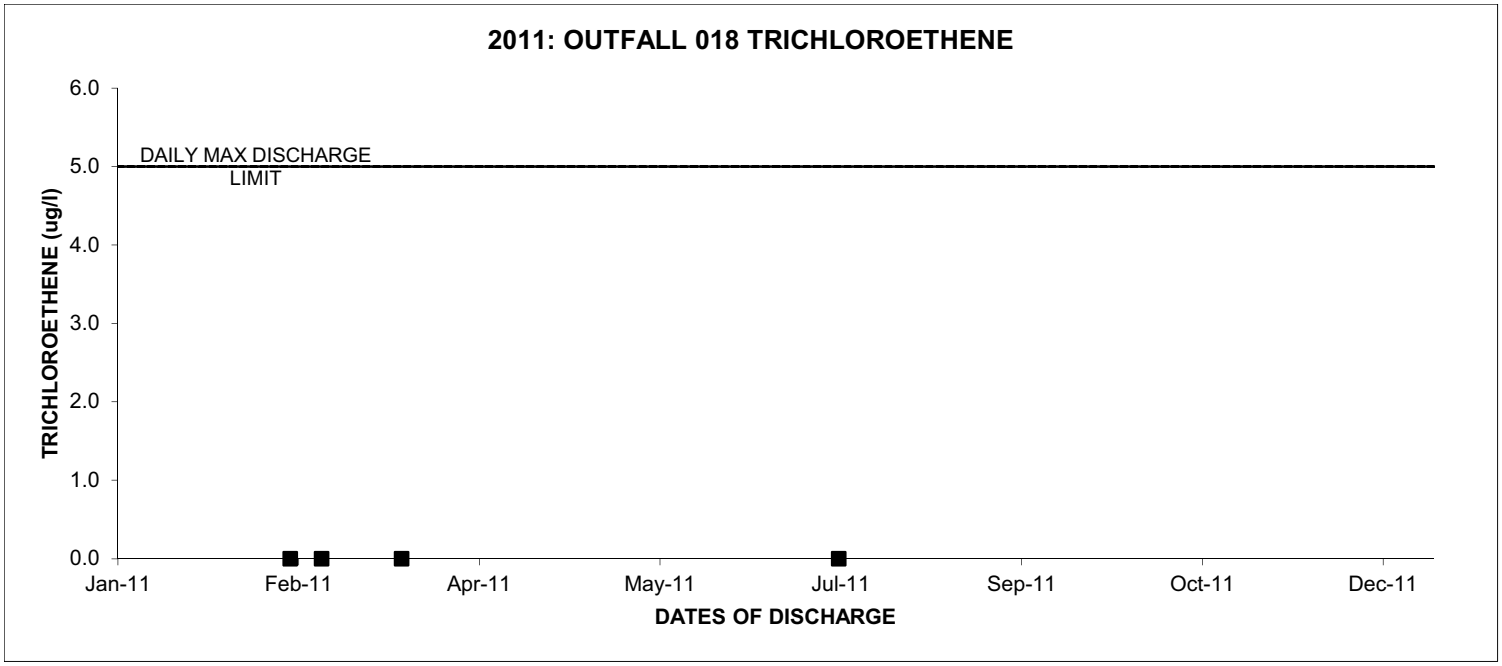


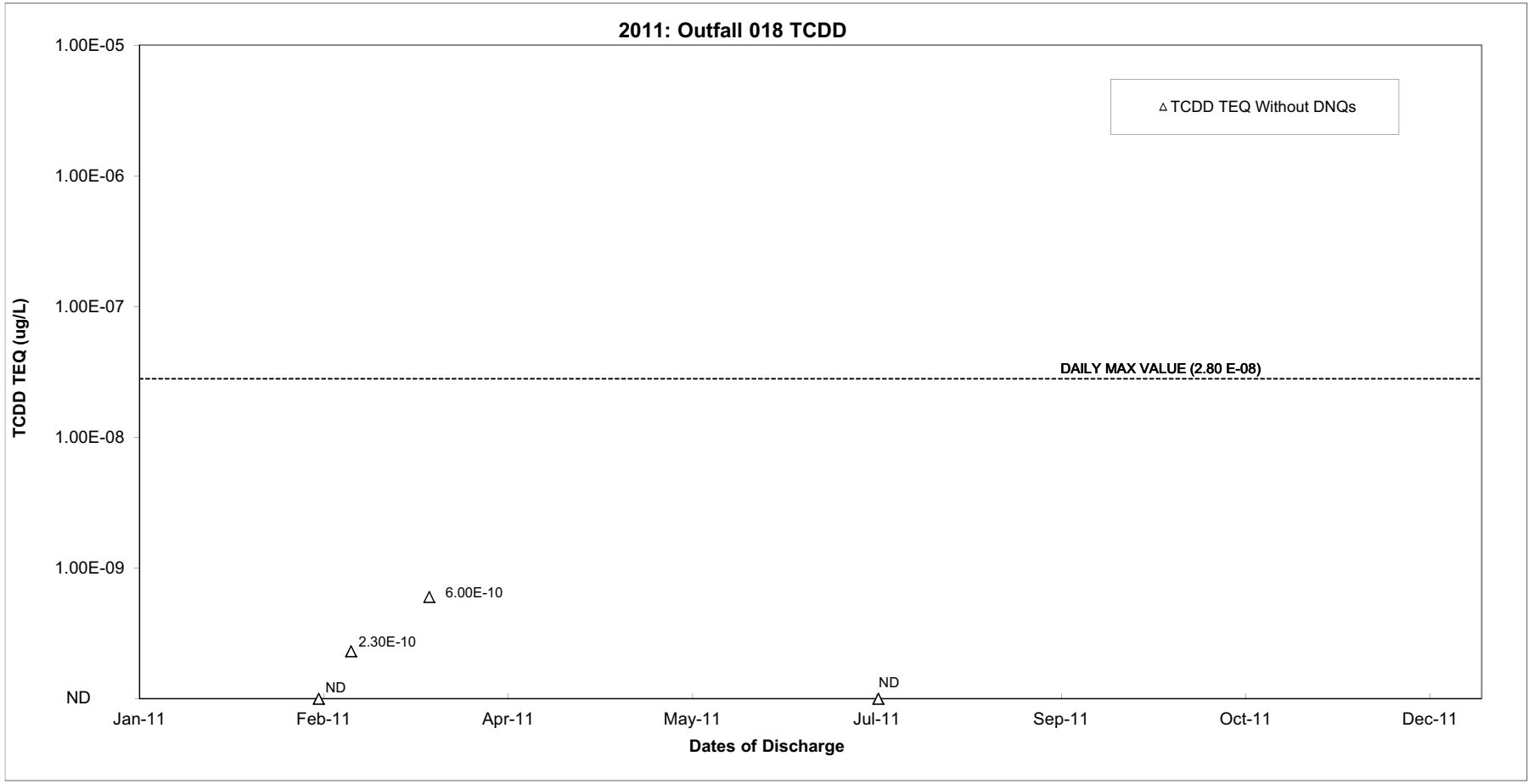
2011: OUTFALL 018 1,1-DICHLOROETHENE



2011: OUTFALL 018 1,2-DICHLOROETHANE




2011: OUTFALL 018 TRICHLOROETHENE
6.0
5.0
4.0
3.0
2.0
1.0
0.0
DAILY MAX DISCHARGE LIMIT
TRICHLOROETHENE (ug/l)
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
DATES OF DISCHARGE


2011: Outfall 018 TCDD
1.00E-05
1.00E-06
1.00E-07
1.00E-08
1.00E-09
ND
TCDD TEQ (ug/L)
TCDD TEQ Without DNQs
DAILY MAX VALUE (2.80 E-08)
6.00E-10
2.30E-10
ND
ND
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
Dates of Discharge

SECTION 9

OUTFALL 019 (TREATMENT SYSTEM)
ANNUAL 2011 REPORTING SUMMARY

OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			01/06/2011-01/07/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	ND < 0.50	*
Chloride	mg/L	150/-	Comp	51	*
Dissolved Oxygen	mg/L	-/-	Grab	4.50	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	760	--
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 < 0.15	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.069	Ja* (DNQ)
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	U
pH (Field)	pH units	6.5-8.5/-	Grab	6.8	*
Total Settleable Solids	ml/L	0.3/0.1	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	100	*
Temperature	deg. F	86/-	Grab	50	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	410	*
Hardness	mg/L	-/-	Comp	40	--
Hardness, dissolved	mg/L	-/-	Comp	38	--
Total Organic Carbon	mg/L	-/-	Comp	ND < 0.50	*
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	Comp	ND < 1.0	*
Turbidity	NTU	-/-	Comp	0.26	J (DNQ)
Volume Discharged	MGD	160/-	Meas	0.0004	*
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

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			01/06/2011-01/07/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cadmium	ug/L	(4.0) 3.1/2.0	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	Comp	16	--
Calcium, Dissolved	mg/L	-/-	Comp	15	--
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	2.61	*
Copper, dissolved	ug/L	-/-	Comp	1.12	Ja* (DNQ)
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	-/-	Comp	0.056	--
Magnesium, Dissolved	mg/L	-/-	Comp	0.058	--
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/35	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/4.1	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
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	50.2	--
Zinc, Dissolved	ug/L	-/-	Comp	56.0	--
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	*

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			01/06/2011-01/07/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
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					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	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

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

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OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			01/06/2011-01/07/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
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/-	Comp	95	*
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*
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	ND < 1.60	*
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

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			01/06/2011-01/07/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	Comp	1.0	*
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
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	L* (L)
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR

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

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OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			01/06/2011-01/07/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.0943	*
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

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

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OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/24/2011-02/25/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	1.1	Ja* (DNQ)
Chloride	mg/L	150/-	Comp	110	*
Dissolved Oxygen	mg/L	-/-	Grab	10.97	*
E. Coli	MPN/100 ml	-/-	Grab	ND < 2.00	*
Fecal Coliform	MPN/100 ml	-/-	Grab	ND < 2.00	*
Specific Conductivity (Lab)	umhos/cm	-/-	ANR	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	Comp	0.058	Ja* (DNQ)
Fluoride	mg/L	1.6/-	Comp	0.35	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.15	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.095	Ja* (DNQ)
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.5	*
Total Settleable Solids	ml/L	0.3/0.1	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	97	*
Temperature	deg. F	86/-	Grab	51	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	500	*
Hardness	mg/L	-/-	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	Comp	120	*
Total Organic Carbon	mg/L	-/-	Comp	4.3	--
Total Residual Chlorine (Field)	mg/L	0.1/-	Grab	0.0	*
Total Suspended Solids	mg/L	45/15	Comp	1.0	Ja* (DNQ)
Turbidity	NTU	-/-	Comp	0.90	J (DNQ)
Volume Discharged	MGD	160/-	Meas	0.0004	*
METALS					
Antimony	ug/L	6.0/-	Comp	ND < 0.30	*
Antimony, dissolved	ug/L	-/-	Comp	0.75	Ja* (DNQ)
Arsenic	ug/L	10/-	Comp	ND < 7.0	U
Arsenic, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Barium	mg/L	1.0/-	Comp	0.0081	J (DNQ)
Barium, dissolved	mg/L	-/-	Comp	0.0088	J (DNQ)
Beryllium	ug/L	4.0/-	Comp	ND < 0.90	U
Beryllium, dissolved	ug/L	-/-	Comp	ND < 0.90	U
Boron	mg/L	-/-	Comp	0.064	--
Boron, dissolved	mg/L	-/-	Comp	0.066	--

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OUTFALL 019

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/24/2011-02/25/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cadmium	ug/L	(4.0) 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	-/-	Comp	50	--
Chromium	ug/L	16/8	Comp	ND < 2.0	U
Chromium, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Chromium VI	ug/L	16/8	Comp	ND < 0.250	*
Cobalt	ug/L	-/-	Comp	ND < 2.0	U
Cobalt, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Copper	ug/L	14/7.1	Comp	2.02	*
Copper, dissolved	ug/L	-/-	Comp	1.25	Ja* (DNQ)
Iron	mg/L	0.3/-	Comp	0.075	--
Iron, dissolved	mg/L	-/-	Comp	0.064	--
Lead	ug/L	5.2/2.6	Comp	0.24	Ja* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	Comp	0.10	--
Manganese	ug/L	50/-	Comp	ND < 7.0	U
Manganese, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/35	Comp	2.9	J (DNQ)
Nickel, dissolved	ug/L	-/-	Comp	2.4	J (DNQ)
Selenium	ug/L	(5) 8.2/4.1	Comp	0.65	Ja* (DNQ)
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	4.1/2.0	Comp	ND < 0.10	*
Silver, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	Comp	ND < 3.0	U
Vanadium, dissolved	ug/L	-/-	Comp	ND < 3.0	U
Zinc	ug/L	119/54	Comp	42.5	--
Zinc, Dissolved	ug/L	-/-	Comp	ND < 42.0	U (B)
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	*

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

[a] Based on peak LA River flow, sampling events are dry discharges.

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ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/24/2011-02/25/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,1-Dichloroethene	ug/L	6.0/3.2	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	Comp	ND < 1.0	*
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	C*
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	-/-	Grab	ND < 0.094	*
GRO (C4 - C12)	mg/L	-/-	Grab	ND < 0.025	*
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	Grab	ND < 1.1	*
1,2,4-Trichlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
1,2-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.32	*
1,2-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
1,2-Dichloropropane	ug/L	-/-	Grab	ND < 0.35	*
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	Comp	ND < 0.0943	UJ (C)
1,3-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.35	*
1,3-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
1,4-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.37	*
1,4-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.189	U
2,4,6-Trichlorophenol	ug/L	13/6.5	Comp	ND < 0.0943	U
2,4-Dichlorophenol	ug/L	-/-	Comp	ND < 0.189	U
2,4-Dimethylphenol	ug/L	-/-	Comp	ND < 0.283	U
2,4-Dinitrophenol	ug/L	-/-	Comp	ND < 0.849	U
2,4-Dinitrotoluene	ug/L	18/9.1	Comp	ND < 0.189	U
2,6-Dinitrotoluene	ug/L	-/-	Comp	ND < 0.0943	U
2-Chloroethylvinylether	ug/L	-/-	Grab	ND < 1.8	*
2-Chloronaphthalene	ug/L	-/-	Comp	ND < 0.0943	U
2-Chlorophenol	ug/L	-/-	Comp	ND < 0.189	U
2-Methyl-4,6-dinitrophenol	ug/L	-/-	Comp	ND < 0.189	U
2-Nitrophenol	ug/L	-/-	Comp	ND < 0.0943	U
3,3'-Dichlorobenzidine	ug/L	-/-	Comp	ND < 4.72	U

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ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
4,4'-DDD	ug/L	-/-	Comp	ND < 0.0038	*
4,4'-DDE	ug/L	-/-	Comp	ND < 0.0028	*
4,4'-DDT	ug/L	-/-	Comp	ND < 0.0038	*
4-Bromophenylphenylether	ug/L	-/-	Comp	ND < 0.0943	U
4-Chloro-3-methylphenol	ug/L	-/-	Comp	ND < 0.189	U
4-Chlorophenylphenylether	ug/L	-/-	Comp	ND < 0.0943	U
4-Nitrophenol	ug/L	-/-	Comp	ND < 2.36	U
Acenaphthene	ug/L	-/-	Comp	ND < 0.0943	U
Acenaphthylene	ug/L	-/-	Comp	ND < 0.0943	U
Acrolein	ug/L	-/-	Grab	ND < 4.0	*
Acrylonitrile	ug/L	-/-	Grab	ND < 1.2	*
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	Comp	ND < 0.0014	*
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	Comp	ND < 0.0943	U
Aroclor-1016	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1221	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1232	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1242	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1248	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1254	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1260	ug/L	-/-	Comp	ND < 0.24	*
Benzidine	ug/L	-/-	Comp	ND < 4.72	U
Benzo(a)anthracene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(a)pyrene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(b)fluoranthene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(g,h,I)perylene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(k)fluoranthene	ug/L	-/-	Comp	ND < 0.0943	U
beta-BHC	ug/L	-/-	Comp	ND < 0.0038	*
bis (2-Chloroethyl) ether	ug/L	-/-	Comp	ND < 0.0943	U
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.60	U
bis(2-Chloroethoxy) methane	ug/L	-/-	Comp	ND < 0.0943	U
bis(2-Chloroisopropyl) ether	ug/L	-/-	Comp	ND < 0.0943	U
Bromodichloromethane	ug/L	-/-	Grab	ND < 0.30	*
Bromoform	ug/L	-/-	Grab	ND < 0.40	*
Bromomethane	ug/L	-/-	Grab	ND < 0.42	*
Butylbenzylphthalate	ug/L	-/-	Comp	ND < 4.72	U (B)
Chlordane	ug/L	-/-	Comp	ND < 0.075	*
Chlorobenzene	ug/L	-/-	Grab	ND < 0.36	*

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ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Chloroethane	ug/L	-/-	Grab	ND < 0.40	*
Chloromethane	ug/L	-/-	Grab	ND < 0.40	*
Chronic Toxicity	TUC	1.0/-	Comp	1.0	*
Chrysene	ug/L	-/-	Comp	ND < 0.0943	U
cis-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.32	*
cis-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.22	C*
Cyclohexane	ug/L	-/-	Grab	ND < 0.40	*
delta-BHC	ug/L	-/-	Comp	ND < 0.0033	*
Dibenzo(a,h)anthracene	ug/L	-/-	Comp	ND < 0.0943	U
Dibromochloromethane	ug/L	-/-	Grab	ND < 0.40	*
Dieldrin	ug/L	-/-	Comp	ND < 0.0019	*
Diethylphthalate	ug/L	-/-	Comp	0.226	J (DNQ)
Dimethylphthalate	ug/L	-/-	Comp	ND < 0.0943	U
Di-n-butylphthalate	ug/L	-/-	Comp	ND < 0.189	U
Di-n-octylphthalate	ug/L	-/-	Comp	ND < 0.0943	U
Endosulfan I	ug/L	-/-	Comp	ND < 0.0019	*
Endosulfan II	ug/L	-/-	Comp	ND < 0.0028	*
Endosulfan sulfate	ug/L	-/-	Comp	ND < 0.0028	*
Endrin	ug/L	-/-	Comp	ND < 0.0019	*
Endrin aldehyde	ug/L	-/-	Comp	ND < 0.0019	*
Fluoranthene	ug/L	-/-	Comp	ND < 0.0943	U
Fluorene	ug/L	-/-	Comp	ND < 0.0943	U
Heptachlor	ug/L	-/-	Comp	ND < 0.0028	*
Heptachlor epoxide	ug/L	-/-	Comp	ND < 0.0024	*
Hexachlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
Hexachlorobutadiene	ug/L	-/-	Comp	ND < 0.189	U
Hexachlorocyclopentadiene	ug/L	-/-	Comp	ND < 0.0943	U
Hexachloroethane	ug/L	-/-	Comp	ND < 0.189	U
Hydrazine	ug/L	-/-	Comp	ND < 0.439	U
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	Comp	ND < 1.13	U
Indeno(1,2,3-cd)pyrene	ug/L	-/-	Comp	ND < 0.0943	U
Isophorone	ug/L	-/-	Comp	ND < 0.0943	U
Lindane (gamma-BHC)	ug/L	-/-	Comp	ND < 0.0028	*
Methylene Chloride	ug/L	-/-	Grab	ND < 0.95	*
Monomethyl Hydrazine	ug/L	-/-	Comp	ND < 1.77	U
Naphthalene	ug/L	-/-	Comp	0.151	J (DNQ)
Nitrobenzene	ug/L	-/-	Comp	ND < 0.0943	U
n-Nitrosodimethylamine	ug/L	16/8.1	Comp	ND < 0.0943	U
n-Nitroso-di-n-propylamine	ug/L	-/-	Comp	ND < 0.0943	U

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ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
n-Nitrosodiphenylamine	ug/L	-/-	Comp	ND < 0.0943	U
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.0943	U
Phenanthrene	ug/L	-/-	Comp	ND < 0.0943	U
Phenol	ug/L	-/-	Comp	ND < 0.283	U
Pyrene	ug/L	-/-	Comp	ND < 0.0943	U
Toxaphene	ug/L	-/-	Comp	ND < 0.24	*
trans-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.30	*
trans-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.32	*

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			06/01/2011-06/02/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	ND < 0.50	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	ANR	ANR	ANR
Chloride	mg/L	150/-	Comp	100	*
Dissolved Oxygen	mg/L	-/-	Grab	2.09	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	990	--
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 < 0.15	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.093	Ja* (DNQ)
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.6	*
Total Settleable Solids	ml/L	0.3/0.1	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	99	*
Temperature	deg. F	86/-	Grab	68	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	490	*
Hardness	mg/L	-/-	Comp	120	*
Hardness, dissolved	mg/L	-/-	Comp	120	--
Total Organic Carbon	mg/L	-/-	Comp	2.6	--
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	Comp	1.0	Ja* (DNQ)
Turbidity	NTU	-/-	Comp	0.10	J (DNQ)
Volume Discharged	MGD	160/-	Meas	0.100608	*
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

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January 1 through December 31, 2011

			06/01/2011-06/02/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cadmium	ug/L	(4.0) 3.1/2.0	Comp	0.18	Ja* (DNQ)
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	Comp	46	--
Calcium, Dissolved	mg/L	-/-	Comp	46	--
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	0.77	Ja* (DNQ)
Copper, dissolved	ug/L	-/-	Comp	0.63	Ja*
Iron	mg/L	0.3/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	Comp	0.27	Ja* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	Comp	0.56	--
Magnesium, Dissolved	mg/L	-/-	Comp	0.55	--
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/35	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/4.1	Comp	0.59	Ja* (DNQ)
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
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	37	--
Zinc, Dissolved	ug/L	-/-	Comp	31	--
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	*

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			06/01/2011-06/02/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
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					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	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 < 0.094	*
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 < 0.19	*
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

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
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/-	Comp	100	*
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*
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	ND < 1.6	*
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

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

[a] Based on peak LA River flow, sampling events are dry discharges.

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ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			06/01/2011-06/02/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
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	-/-	ANR	ANR	ANR
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 < 0.094	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR

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

[a] Based on peak LA River flow, sampling events are dry discharges.

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ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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January 1 through December 31, 2011

			06/01/2011-06/02/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.094	*
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

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			6/10/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	ANR	ANR	ANR
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Grab	2.6	*
Chloride	mg/L	150/-	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	ANR	ANR	ANR
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	ANR	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	ANR	ANR	ANR
Nitrate as Nitrogen (N)	mg/L	8/-	ANR	ANR	ANR
Nitrite-N	mg/L	1/-	ANR	ANR	ANR
Oil & Grease	mg/L	15/10	ANR	ANR	ANR
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	ANR	ANR	ANR
Total Settleable Solids	ml/L	0.3/0.1	ANR	ANR	ANR
Sulfate	mg/L	300/-	ANR	ANR	ANR
Temperature	deg. F	86/-	ANR	ANR	ANR
Total Cyanide	ug/L	8.5/4.3	ANR	ANR	ANR
Total Dissolved Solids	mg/L	950/-	ANR	ANR	ANR
Hardness	mg/L	-/-	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	ANR	ANR	ANR
Turbidity	NTU	-/-	ANR	ANR	ANR
Volume Discharged	MGD	160/-	Meas	0.08801905	*
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

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

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			6/10/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cadmium	ug/L	(4.0) 3.1/2.0	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-/-	ANR	ANR	ANR
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	ANR	ANR	ANR
Copper, dissolved	ug/L	-/-	ANR	ANR	ANR
Iron	mg/L	0.3/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	ANR	ANR	ANR
Lead, dissolved	ug/L	-/-	ANR	ANR	ANR
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	ANR	ANR	ANR
Mercury, dissolved	ug/L	-/-	ANR	ANR	ANR
Nickel	ug/L	96/35	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/4.1	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR
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	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR
ORGANICS					
Benzene	ug/L	-/-	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR

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

[a] Based on peak LA River flow, sampling events are dry discharges.

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ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			6/10/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,1-Dichloroethene	ug/L	6.0/3.2	ANR	ANR	ANR
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
Trichloroethene	ug/L	5.0/-	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR
Vinyl Chloride	ug/L	-/-	ANR	ANR	ANR
TPH					
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	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	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/9.1	ANR	ANR	ANR
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

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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January 1 through December 31, 2011

			6/10/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR

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

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ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			6/10/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
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	-/-	ANR	ANR	ANR
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	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR

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

[a] Based on peak LA River flow, sampling events are dry discharges.

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ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			6/10/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	ANR	ANR	ANR
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

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			08/10/2011-08/11/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	ND < 0.50	*
Chloride	mg/L	150/-	Comp	120	*
Dissolved Oxygen	mg/L	-/-	Grab	8.36	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	930	--
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 < 0.15	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.13	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.95	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.5	*
Total Settleable Solids	ml/L	0.3/0.1	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	120	*
Temperature	deg. F	86/-	Grab	72	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	650	*
Hardness	mg/L	-/-	Comp	390	--
Hardness, dissolved	mg/L	-/-	Comp	430	--
Total Organic Carbon	mg/L	-/-	Comp	5.1	--
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	Comp	ND < 1.0	*
Turbidity	NTU	-/-	Comp	ND < 0.040	*
Volume Discharged	MGD	160/-	Meas	0.049	*
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

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

[a] Based on peak LA River flow, sampling events are dry discharges.

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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January 1 through December 31, 2011

			08/10/2011-08/11/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cadmium	ug/L	(4.0) 3.1/2.0	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	Comp	120	--
Calcium, Dissolved	mg/L	-/-	Comp	130	--
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	ND < 0.500	*
Copper, dissolved	ug/L	-/-	Comp	0.613	Ja* (DNQ)
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	-/-	Comp	21	--
Magnesium, Dissolved	mg/L	-/-	Comp	24	--
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/35	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/4.1	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
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 < 6.00	U
Zinc, Dissolved	ug/L	-/-	Comp	6.79	J (DNQ)
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	*

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

[a] Based on peak LA River flow, sampling events are dry discharges.

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			08/10/2011-08/11/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
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					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	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 < 0.100	*
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 < 0.200	*
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

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
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/-	Comp	100	*
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*
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	ND < 1.70	*
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

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
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	-/-	ANR	ANR	ANR
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 < 0.100	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR

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

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.100	*
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

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			09/07/2011-09/08/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	ND < 0.50	*
Chloride	mg/L	150/-	Comp	170	--
Dissolved Oxygen	mg/L	-/-	Grab	6.82	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	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 < 0.15	U
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.092	J (DNQ)
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	U
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.95	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.6	*
Total Settleable Solids	ml/L	0.3/0.1	Comp	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	140	--
Temperature	deg. F	86/-	Grab	77	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	740	*
Hardness	mg/L	-/-	Comp	460	--
Hardness, dissolved	mg/L	-/-	Comp	460	--
Total Organic Carbon	mg/L	-/-	Comp	3.3	--
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	Comp	ND < 1.0	*
Turbidity	NTU	-/-	Comp	0.060	J (DNQ)
Volume Discharged	MGD	160/-	Meas	0.014028	*
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

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

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January 1 through December 31, 2011

			09/07/2011-09/08/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cadmium	ug/L	(4.0) 3.1/2.0	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	Comp	150	--
Calcium, Dissolved	mg/L	-/-	Comp	150	--
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	ND < 0.500	*
Copper, dissolved	ug/L	-/-	Comp	0.796	Ja* (DNQ)
Iron	mg/L	0.3/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	Comp	0.22	Ja* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	0.20	Ja*
Magnesium	mg/L	-/-	Comp	19	--
Magnesium, Dissolved	mg/L	-/-	Comp	19	--
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/35	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/4.1	Comp	0.53	Ja* (DNQ)
Selenium, dissolved	ug/L	-/-	Comp	0.51	Ja*
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	7.67	J (DNQ)
Zinc, Dissolved	ug/L	-/-	Comp	7.28	J (DNQ)
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	*

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THE BOEING COMPANY
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January 1 through December 31, 2011

			09/07/2011-09/08/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
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					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/6.5	Comp	ND < 0.0952	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/9.1	Comp	ND < 0.190	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR

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

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			09/07/2011-09/08/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR
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	ND < 1.62	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
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	-/-	ANR	ANR	ANR
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 < 0.0952	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.0952	*
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

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ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	0.840	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	ND < 0.50	*
Chloride	mg/L	150/-	Comp	250	--
Dissolved Oxygen	mg/L	-/-	Grab	4.53	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	1100	--
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 < 0.75	U
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.13	J (Q)
Nitrite-N	mg/L	1/-	Comp	ND < 0.45	U
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	J (Q)
Temperature	deg. F	86/-	Grab	76	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	1100	--
Hardness	mg/L	-/-	Comp	630	--
Hardness, dissolved	mg/L	-/-	Comp	580	--
Total Organic Carbon	mg/L	-/-	Comp	0.55	J (DNQ)
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	Comp	ND < 1.0	*
Turbidity	NTU	-/-	Comp	0.070	J (DNQ)
Volume Discharged	MGD	160/-	Meas	0.028437	*
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

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ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cadmium	ug/L	(4.0) 3.1/2.0	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	Comp	210	--
Calcium, Dissolved	mg/L	-/-	Comp	200	--
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	ND < 0.50	*
Copper, dissolved	ug/L	-/-	Comp	0.79	Ja* (DNQ)
Iron	mg/L	0.3/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	Comp	0.37	Ja* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	0.32	Ja* (DNQ)
Magnesium	mg/L	-/-	Comp	24	--
Magnesium, Dissolved	mg/L	-/-	Comp	23	--
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/35	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/4.1	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
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	11.6	J (DNQ)
Zinc, Dissolved	ug/L	-/-	Comp	12.1	J (DNQ)
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	L, C*
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	*

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ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
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	L*
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	L*
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					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/6.5	Comp	ND < 0.0952	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/9.1	Comp	ND < 0.190	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
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/-	Comp	100	*
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*
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	1.70	B, Ja* (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

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			10/19/2011-10/20/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
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 < 0.0952	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			10/19/2011-10/20/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.0952	*
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

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			11/16/2011-11/17/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	ND < 0.50	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	ND < 0.50	*
Chloride	mg/L	150/-	Comp	34	*
Dissolved Oxygen	mg/L	-/-	ANR	ANR	ANR
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	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 < 0.15	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.060	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.95	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.1	*
Total Settleable Solids	ml/L	0.3/0.1	Comp	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	150	*
Temperature	deg. F	86/-	Grab	57	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	490	*
Hardness	mg/L	-/-	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	Comp	ND < 0.50	*
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	Comp	ND < 1.0	*
Turbidity	NTU	-/-	Comp	0.11	J (DNQ)
Volume Discharged	MGD	160/-	Meas	0.029277	*
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

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			11/16/2011-11/17/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cadmium	ug/L	(4.0) 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	0.58	Ja* (DNQ)
Copper, dissolved	ug/L	-/-	Comp	0.73	Ja* (DNQ)
Iron	mg/L	0.3/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	Comp	ND < 0.20	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/35	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/4.1	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
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	6.6	J (DNQ)
Zinc, Dissolved	ug/L	-/-	Comp	8.2	J (DNQ)
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	*

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			11/16/2011-11/17/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
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					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	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 < 0.094	*
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 < 0.19	*
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

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

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OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			11/16/2011-11/17/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR
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	2.5	B, Ja* (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

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			11/16/2011-11/17/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
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 < 0.094	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			11/16/2011-11/17/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.094	*
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

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019 (Treatment System)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			01/06/2011-01/07/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.0003345	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Comp	ND	*
Chloride	LBS/DAY	200,160/-	Comp	0.14	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.0002	Ja* (DNQ)
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/13,344	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	0.28	*
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	1.14	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	ND	*
METALS					
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/2.7	Comp	ND	*
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	Comp	0.00001	*
Iron	LBS/DAY	400/-	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	Comp	ND	*
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U
Nickel	LBS/DAY	128/47	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/5.5	Comp	ND	*
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	Comp	0.0001	--
ORGANICS					
1,1-Dichloroethene	LBS/DAY	8.0/4.3	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
ADDITIONAL ANALYTES					
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	L* (L)
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.
[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019 (Treatment System)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/24/2011-02/25/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.00032882	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Comp	0.003	Ja* (DNQ)
Chloride	LBS/DAY	200,160/-	Comp	0.30	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	0.0002	Ja* (DNQ)
Fluoride	LBS/DAY	2,135/-	Comp	0.001	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.0003	Ja* (DNQ)
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/13,344	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	0.27	*
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	1.37	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	Grab	0.0	*
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	0.003	Ja* (DNQ)
METALS					
Antimony	LBS/DAY	8.0/-	Comp	ND	*
Arsenic	LBS/DAY	67/-	Comp	ND	U
Barium	LBS/DAY	1,330/-	Comp	0.00002	J (DNQ)
Beryllium	LBS/DAY	5.3/-	Comp	ND	U
Cadmium	LBS/DAY	(5.3) 4.1/2.7	Comp	ND	*
Chromium VI	LBS/DAY	22/11	Comp	ND	*
Copper	LBS/DAY	19/9.5	Comp	0.00001	*
Iron	LBS/DAY	400/-	Comp	0.0002	--
Lead	LBS/DAY	6.9/3.5	Comp	0.000001	Ja* (DNQ)
Manganese	LBS/DAY	66.7/-	Comp	ND	U
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U
Nickel	LBS/DAY	128/47	Comp	0.00001	J (DNQ)
Selenium	LBS/DAY	(6.7) 11/5.5	Comp	0.000002	Ja* (DNQ)
Silver	LBS/DAY	5.5/2.7	Comp	ND	*
Thallium	LBS/DAY	2.7/-	Comp	ND	*
Zinc	LBS/DAY	159/72	Comp	0.0001	--
ORGANICS					
1,1-Dichloroethene	LBS/DAY	8.0/4.3	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
ADDITIONAL ANALYTES					
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	Comp	ND	U
2,4-Dinitrotoluene	LBS/DAY	24/12	Comp	ND	U
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	U
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	U
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.
[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019 (Treatment System)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			06/01/2011-06/02/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.0503	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	ANR	ANR	ANR
Chloride	LBS/DAY	200,160/-	Comp	41.95	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.04	Ja* (DNQ)
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/13,344	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	*
Sulfate	LBS/DAY	400,320/-	Comp	41.53	*
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	205.57	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	0.42	Ja* (DNQ)
METALS					
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/2.7	Comp	0.0001	Ja* (DNQ)
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	Comp	0.0003	Ja* (DNQ)
Iron	LBS/DAY	400/-	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	Comp	0.0001	Ja* (DNQ)
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U
Nickel	LBS/DAY	128/47	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/5.5	Comp	0.0002	Ja* (DNQ)
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	Comp	0.02	--
ORGANICS					
1,1-Dichloroethene	LBS/DAY	8.0/4.3	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
ADDITIONAL ANALYTES					
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019 (Treatment System)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

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			6/10/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.0880191	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	ANR	ANR	ANR
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Grab	1.91	*
Chloride	LBS/DAY	200,160/-	ANR	ANR	ANR
Surfactants (MBAS)	LBS/DAY	667/-	ANR	ANR	ANR
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	ANR	ANR	ANR
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	ANR	ANR	ANR
Nitrite-N	LBS/DAY	1,334/-	ANR	ANR	ANR
Oil & Grease	LBS/DAY	20,016/13,344	ANR	ANR	ANR
Perchlorate	LBS/DAY	8.0/-	ANR	ANR	ANR
Sulfate	LBS/DAY	400,320/-	ANR	ANR	ANR
Total Cyanide	LBS/DAY	11/5.7	ANR	ANR	ANR
Total Dissolved Solids	LBS/DAY	1,270,000/-	ANR	ANR	ANR
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	ANR	ANR	ANR
METALS					
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/2.7	ANR	ANR	ANR
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	ANR	ANR	ANR
Iron	LBS/DAY	400/-	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	ANR	ANR	ANR
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	ANR	ANR	ANR
Nickel	LBS/DAY	128/47	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/5.5	ANR	ANR	ANR
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	ANR	ANR	ANR
ORGANICS					
1,1-Dichloroethene	LBS/DAY	8.0/4.3	ANR	ANR	ANR
Trichloroethene	LBS/DAY	6.7/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ANR	ANR	ANR
2,4-Dinitrotoluene	LBS/DAY	24/12	ANR	ANR	ANR
alpha-BHC	LBS/DAY	0.04/0.013	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	ANR	ANR	ANR
n-Nitrosodimethylamine	LBS/DAY	22/10.8	ANR	ANR	ANR
Pentachlorophenol	LBS/DAY	22/10.9	ANR	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	ANR	ANR	ANR

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019 (Treatment System)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			08/10/2011-08/11/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.049	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Comp	ND	*
Chloride	LBS/DAY	200,160/-	Comp	49.04	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.05	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/13,344	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	49.04	*
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	265.63	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	ND	*
METALS					
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/2.7	Comp	ND	*
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	Comp	ND	*
Iron	LBS/DAY	400/-	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	Comp	ND	*
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U
Nickel	LBS/DAY	128/47	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/5.5	Comp	ND	*
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	Comp	ND	U
ORGANICS					
1,1-Dichloroethene	LBS/DAY	8.0/4.3	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
ADDITIONAL ANALYTES					
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019 (Treatment System)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			09/07/2011-09/08/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.01403	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Comp	ND	*
Chloride	LBS/DAY	200,160/-	Comp	19.89	--
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	U
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.01	J (DNQ)
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	U
Oil & Grease	LBS/DAY	20,016/13,344	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	16.38	--
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	86.58	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	ND	*
METALS					
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/2.7	Comp	ND	*
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	Comp	ND	*
Iron	LBS/DAY	400/-	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	Comp	0.00003	Ja* (DNQ)
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U
Nickel	LBS/DAY	128/47	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/5.5	Comp	0.0001	Ja* (DNQ)
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	Comp	0.001	J (DNQ)
ORGANICS					
1,1-Dichloroethene	LBS/DAY	8.0/4.3	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
ADDITIONAL ANALYTES					
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019 (Treatment System)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			10/19/2011-10/20/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.02844	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	0.20	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Comp	ND	*
Chloride	LBS/DAY	200,160/-	Comp	59.29	--
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	U
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.03	J (Q)
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	U
Oil & Grease	LBS/DAY	20,016/13,344	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	35.57	J (Q)
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	260.88	--
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	ND	*
METALS					
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/2.7	Comp	ND	*
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	Comp	ND	*
Iron	LBS/DAY	400/-	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	Comp	0.0001	Ja* (DNQ)
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U
Nickel	LBS/DAY	128/47	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/5.5	Comp	ND	*
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	Comp	0.003	J (DNQ)
ORGANICS					
1,1-Dichloroethene	LBS/DAY	8.0/4.3	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
ADDITIONAL ANALYTES					
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	0.0004	B, Ja* (DNQ)
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--

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

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019 (Treatment System)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

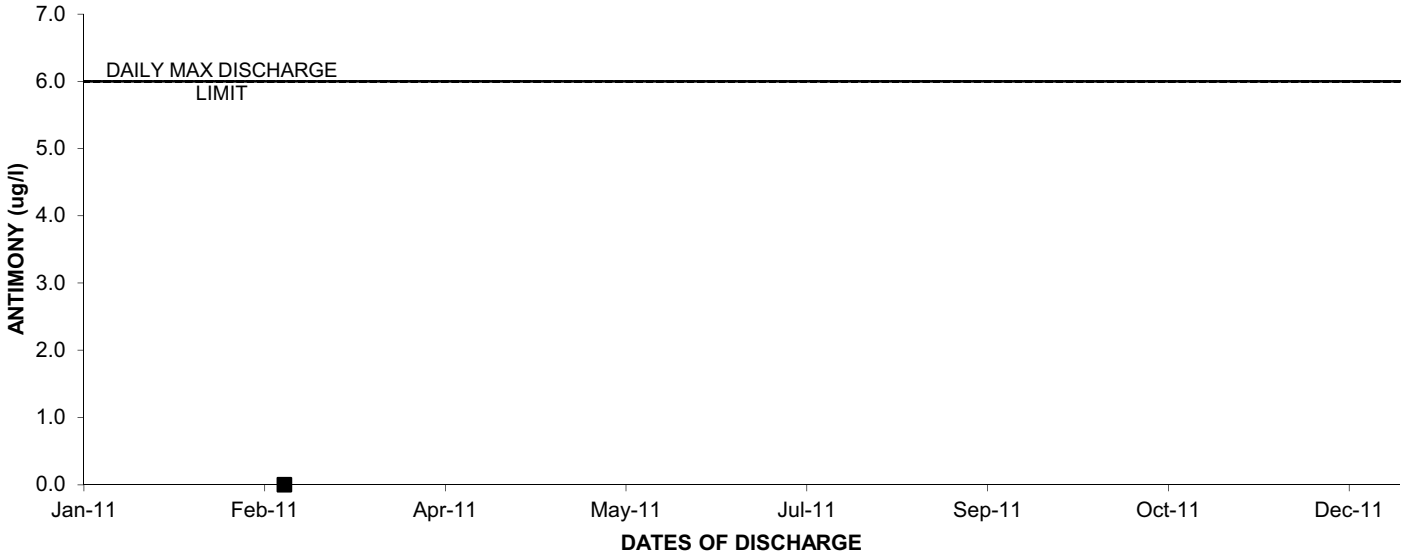
January 1 through December 31, 2011

			11/16/2011-11/17/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.02928	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Comp	ND	*
Chloride	LBS/DAY	200,160/-	Comp	8.30	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/13,344	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	36.63	*
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	119.64	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	ND	*
METALS					
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/2.7	Comp	ND	*
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	Comp	0.0001	Ja* (DNQ)
Iron	LBS/DAY	400/-	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	Comp	ND	*
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U
Nickel	LBS/DAY	128/47	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/5.5	Comp	ND	*
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	Comp	0.002	J (DNQ)
ORGANICS					
1,1-Dichloroethene	LBS/DAY	8.0/4.3	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
ADDITIONAL ANALYTES					
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	0.001	B, Ja* (DNQ)
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	2.93E-14	--

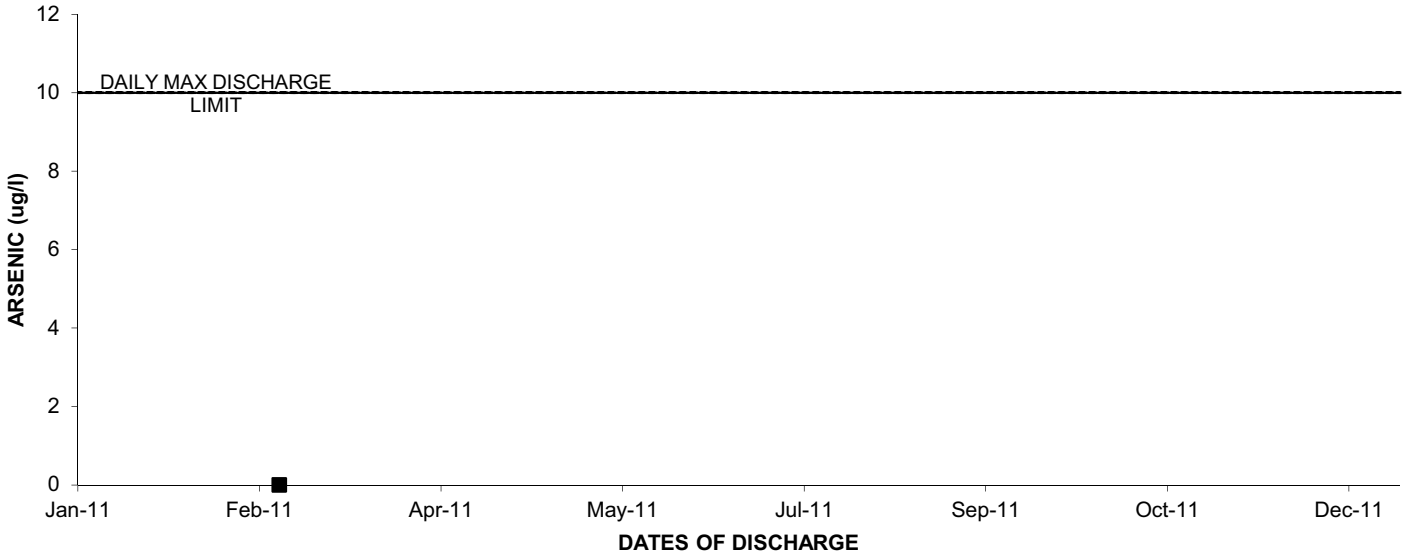
See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

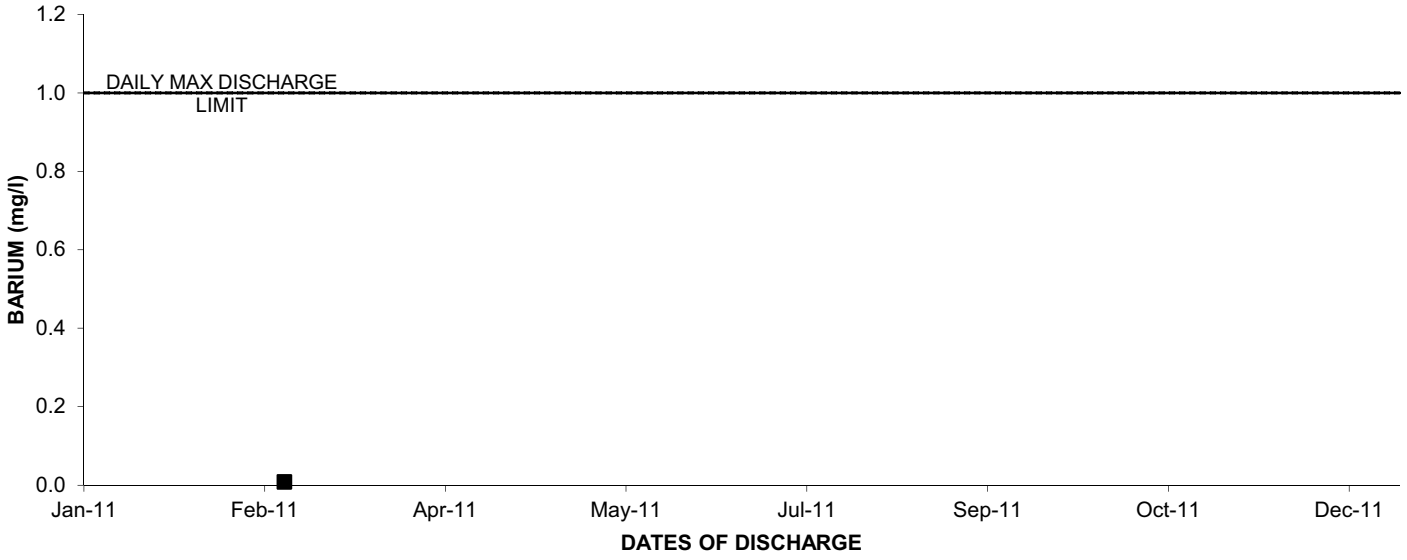
2011: OUTFALL 019 ANTIMONY



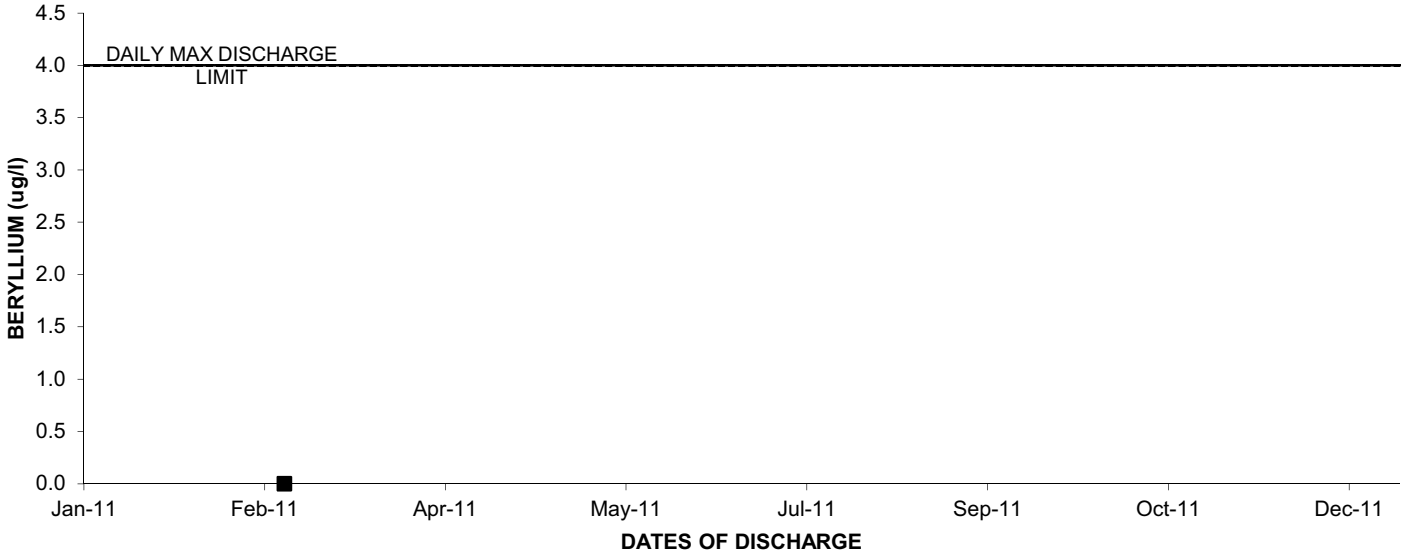
2011: OUTFALL 019 ARSENIC



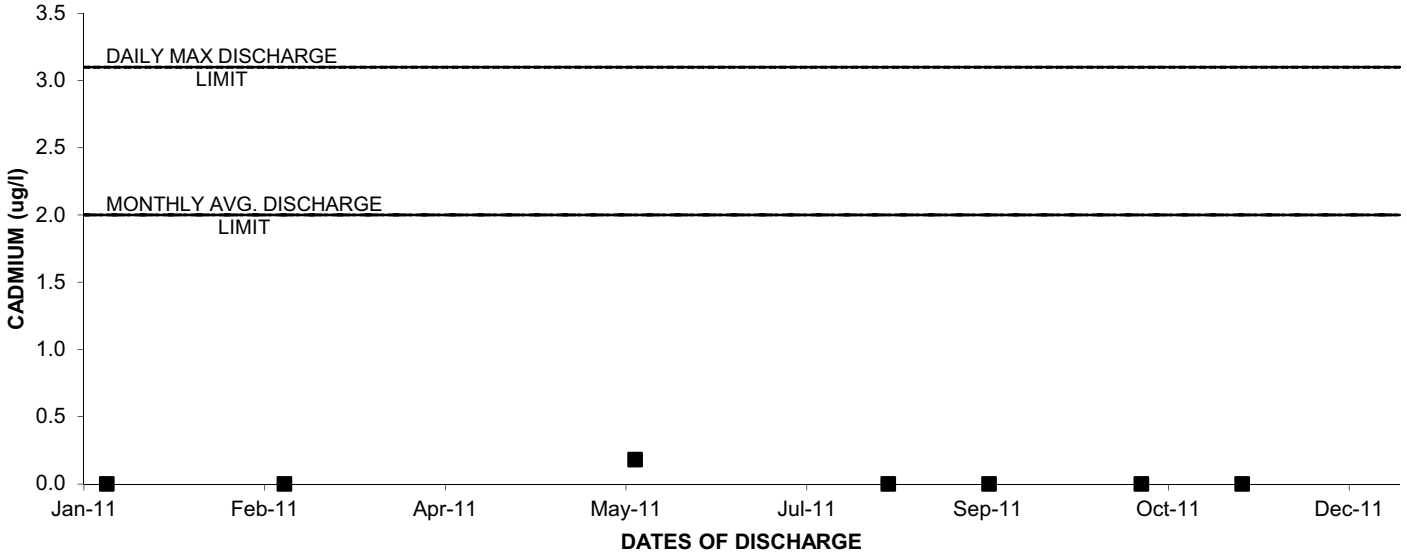
2011: OUTFALL 019 BARIUM



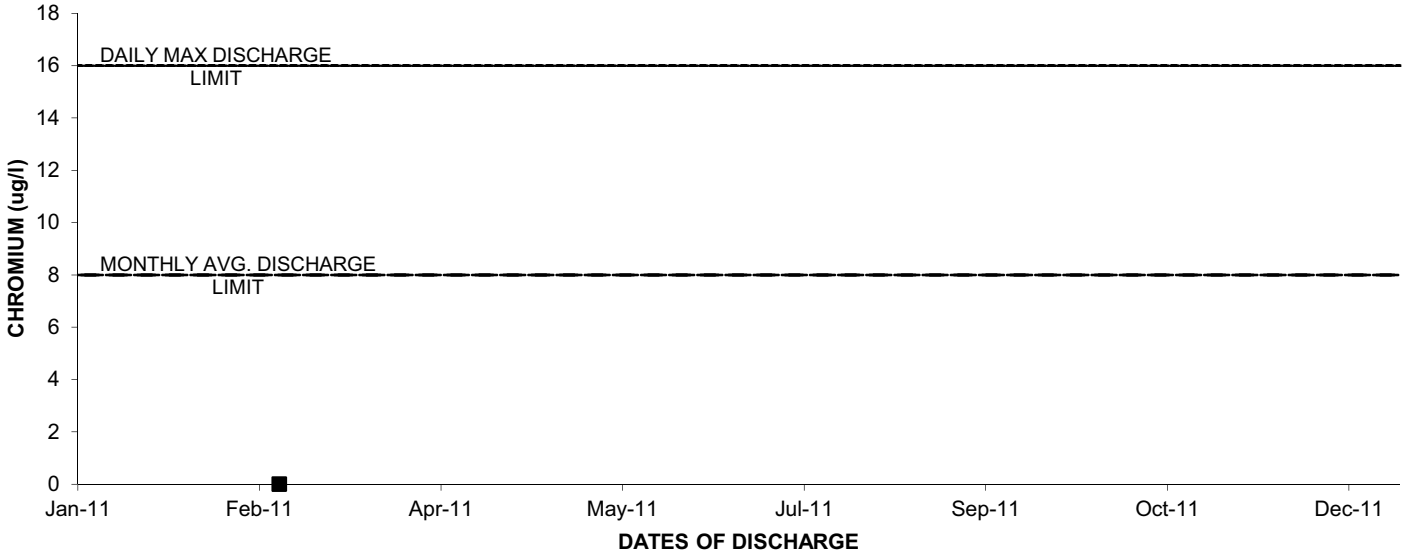
2011: OUTFALL 019 BERYLLIUM



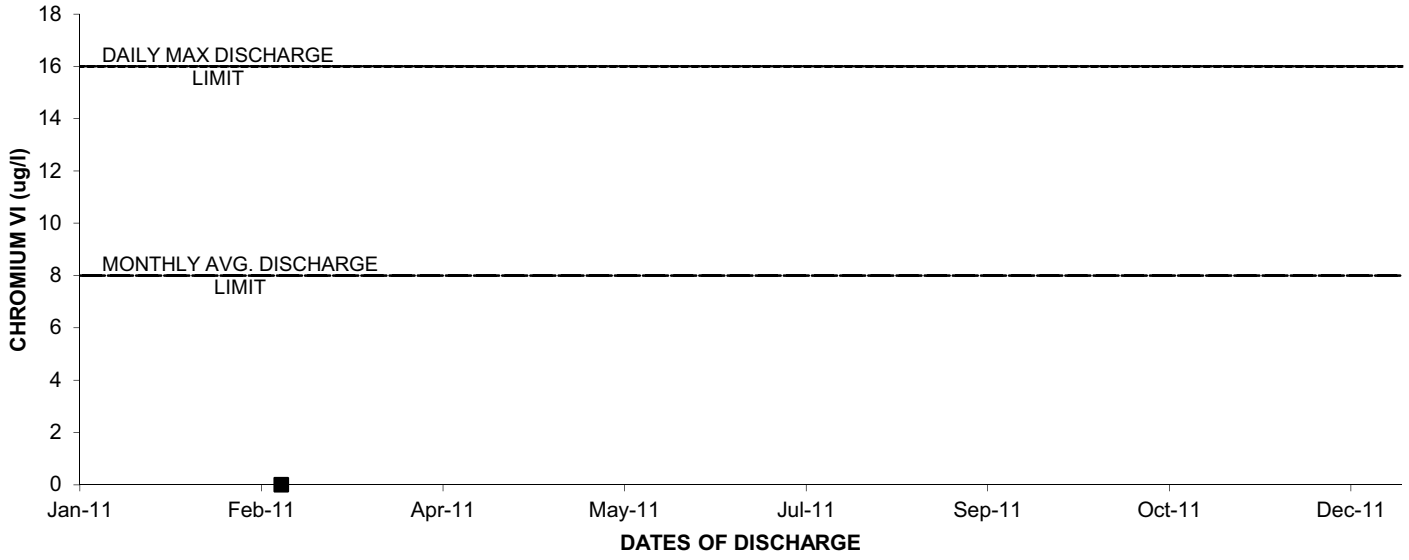
2011: OUTFALL 019 CADMIUM



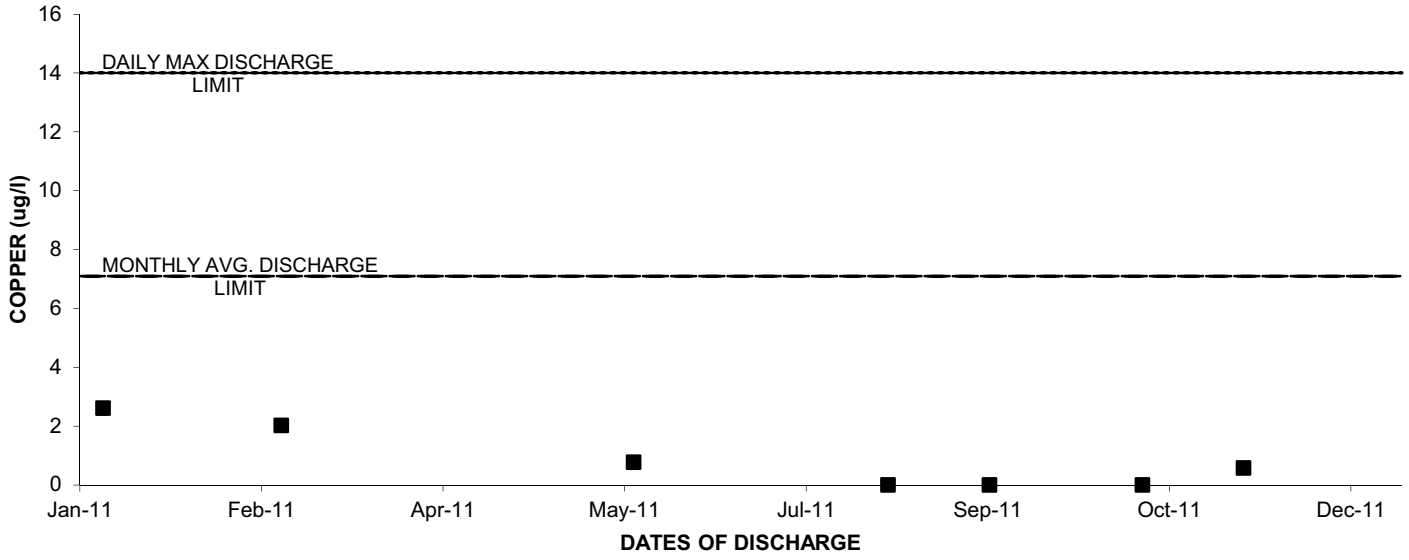
2011: OUTFALL 019 CHROMIUM



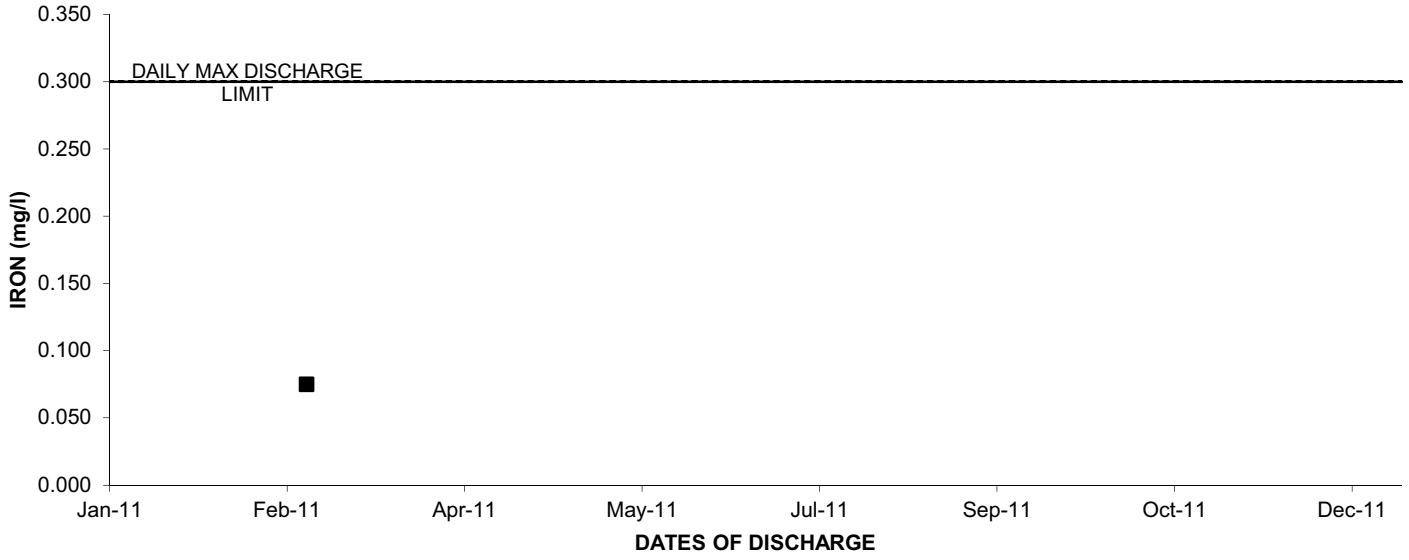
2011: OUTFALL 019 CHROMIUM VI



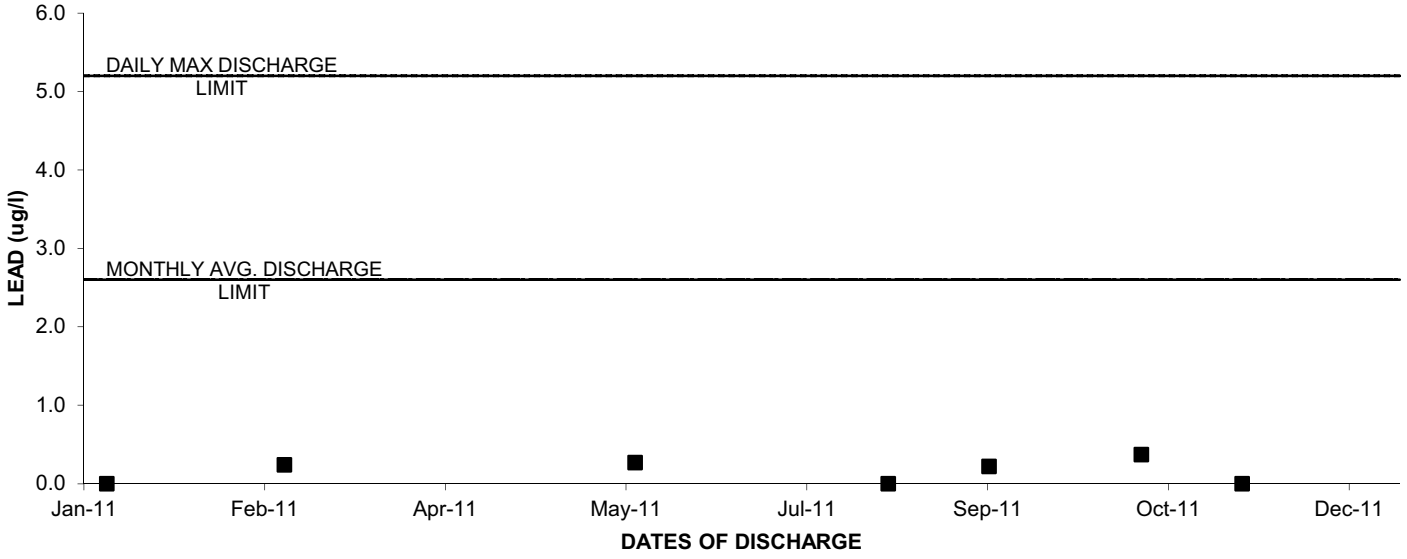
2011: OUTFALL 019 COPPER



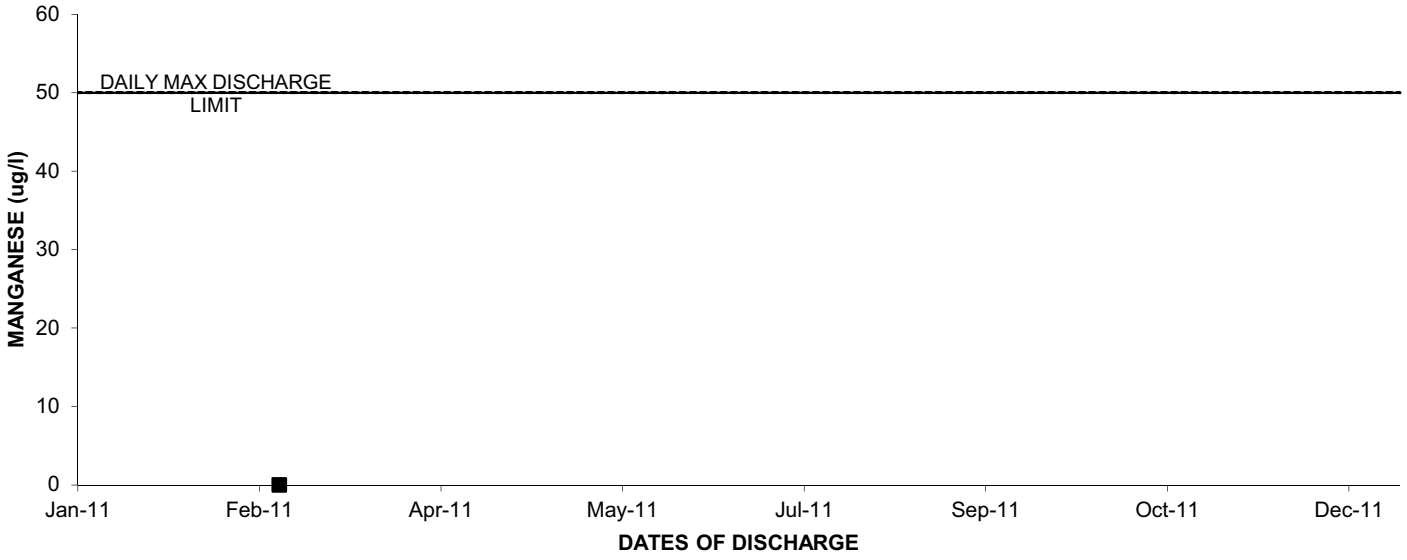
2011: OUTFALL 019 IRON



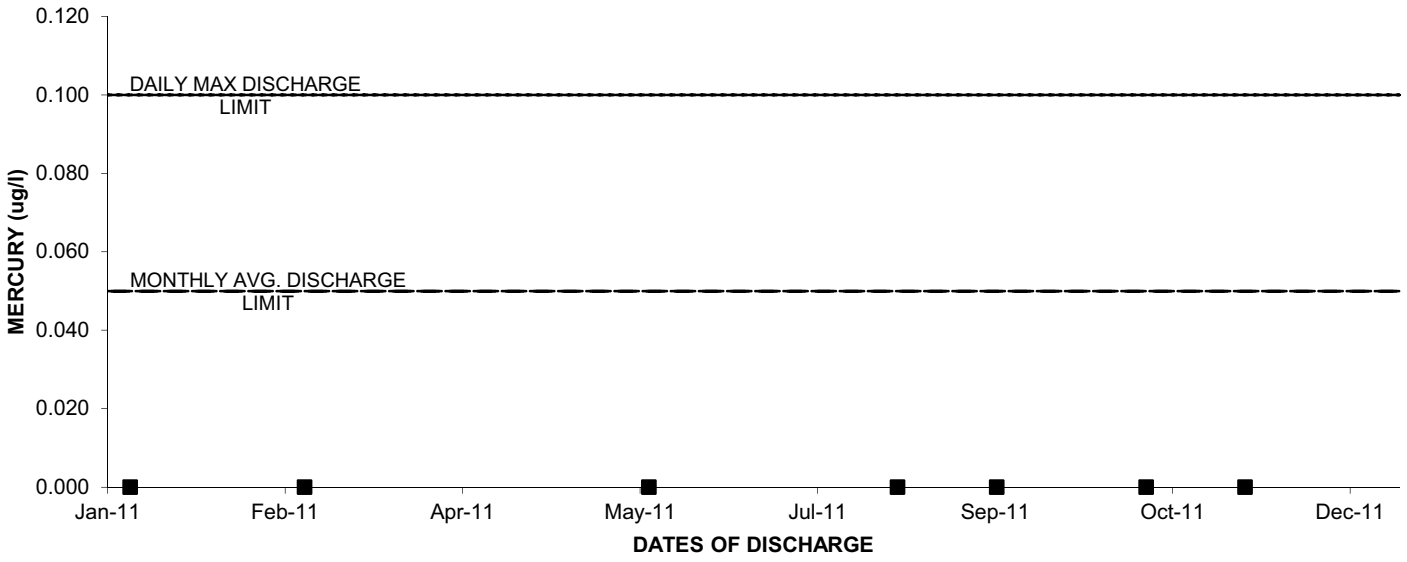
2011: OUTFALL 019 LEAD



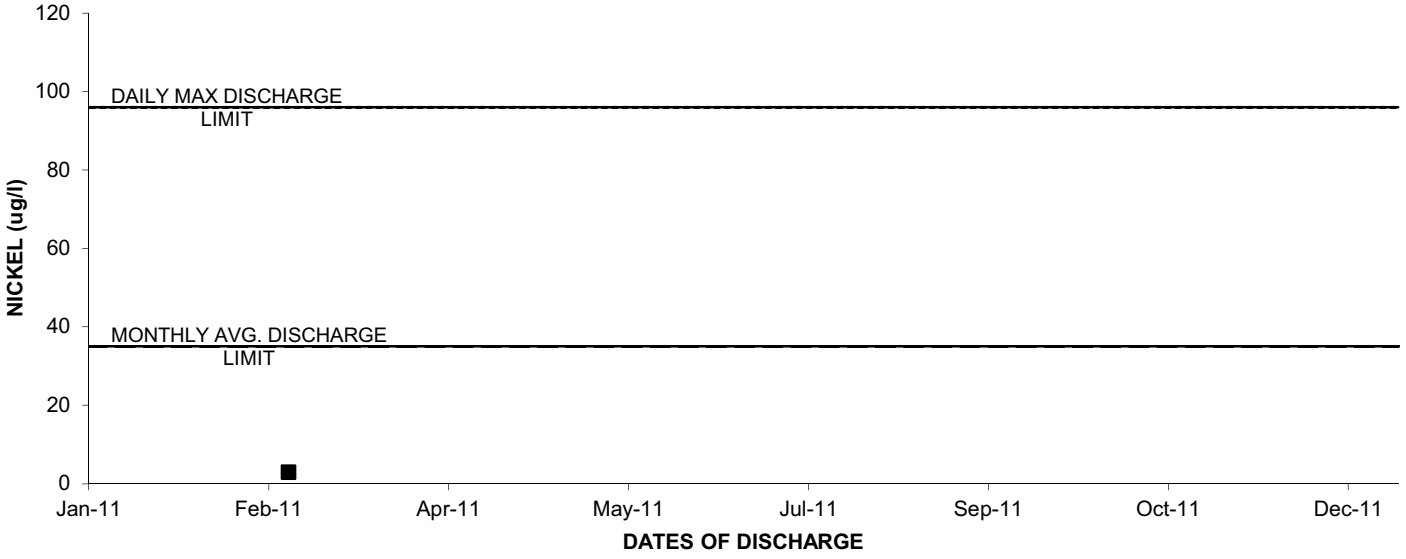
2011: OUTFALL 019 MANGANESE



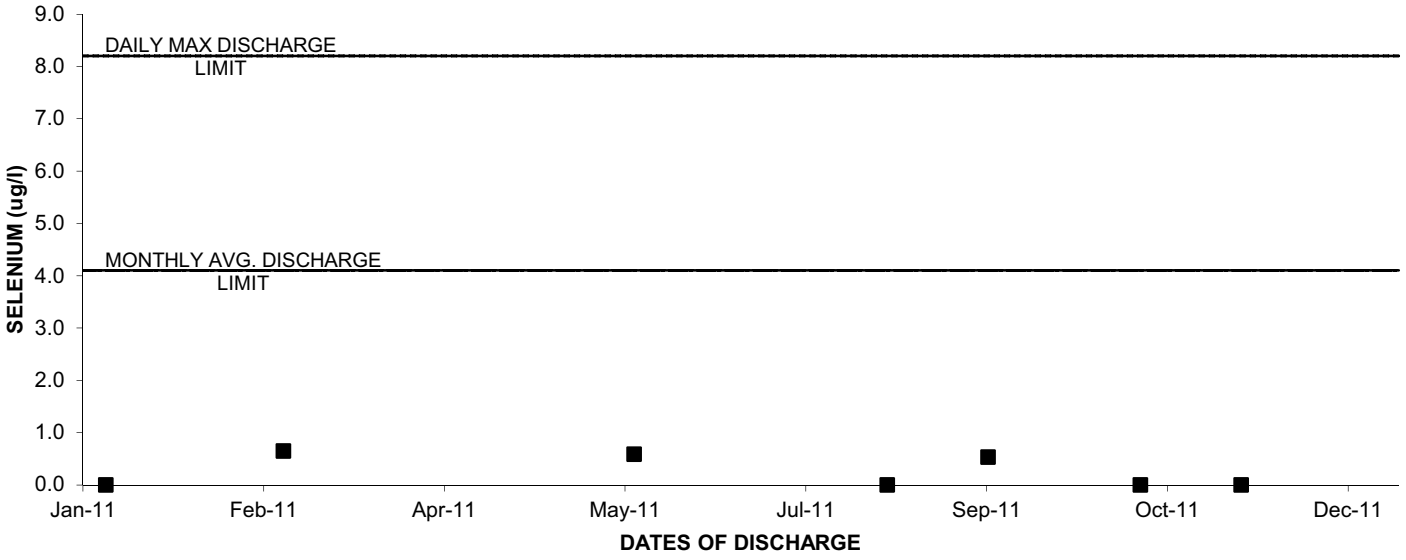
2011: OUTFALL 019 MERCURY



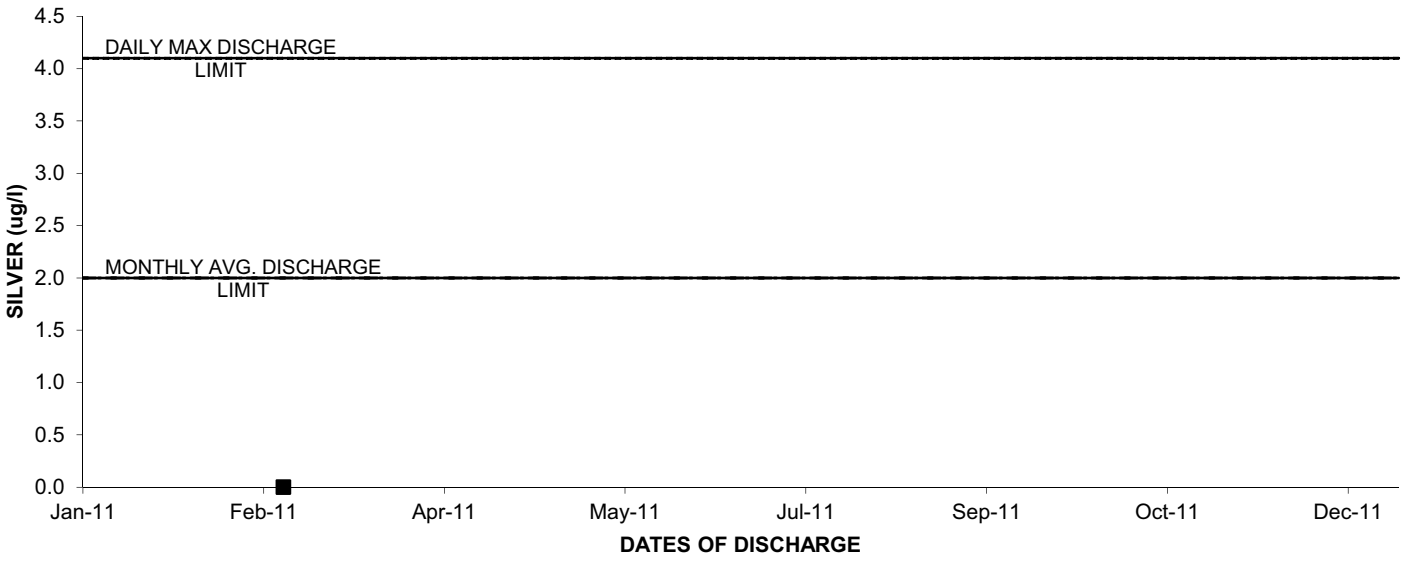
2011: OUTFALL 019 NICKEL



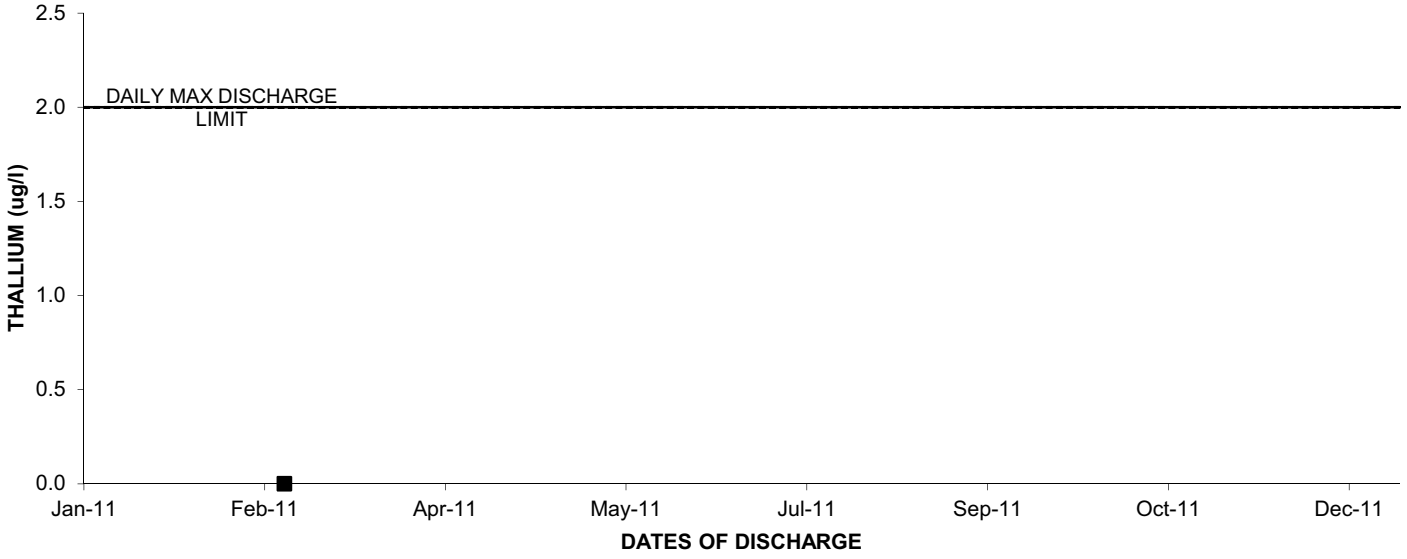
2011: OUTFALL 019 SELENIUM



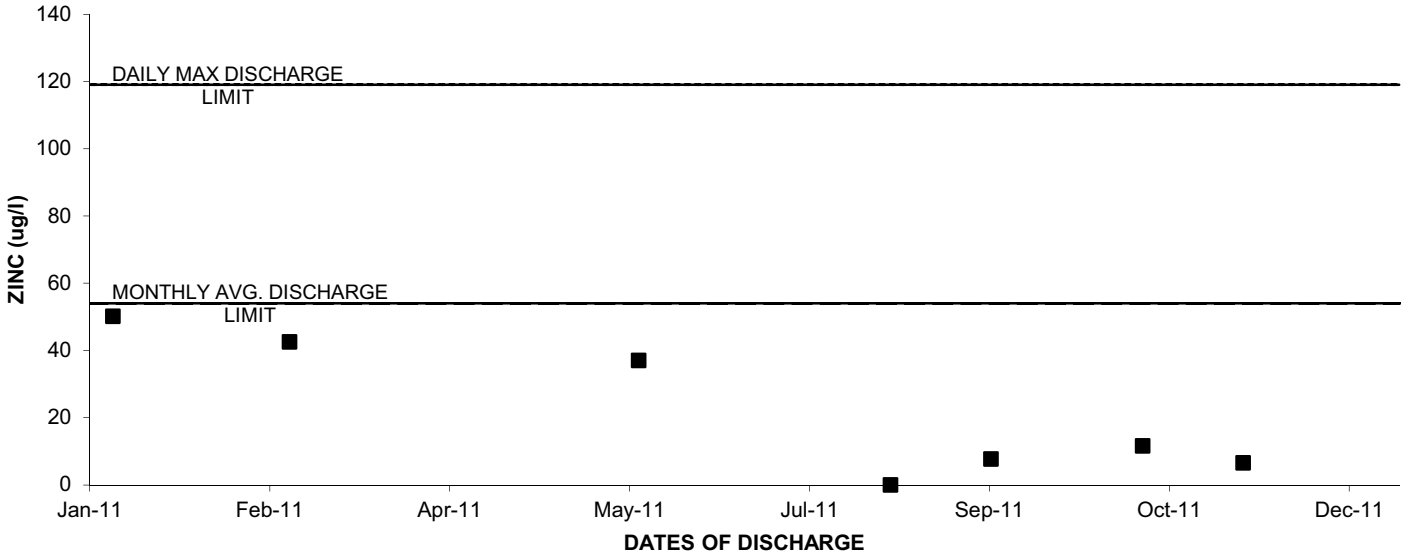
2011: OUTFALL 019 SILVER



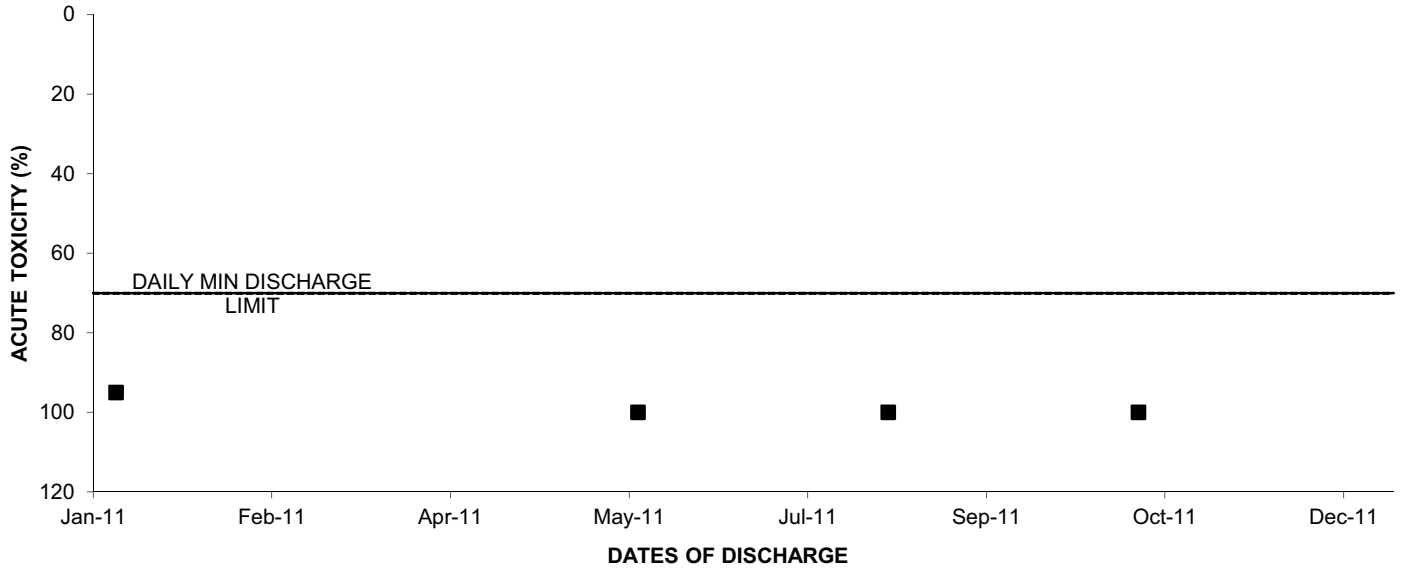
2011: OUTFALL 019 THALLIUM



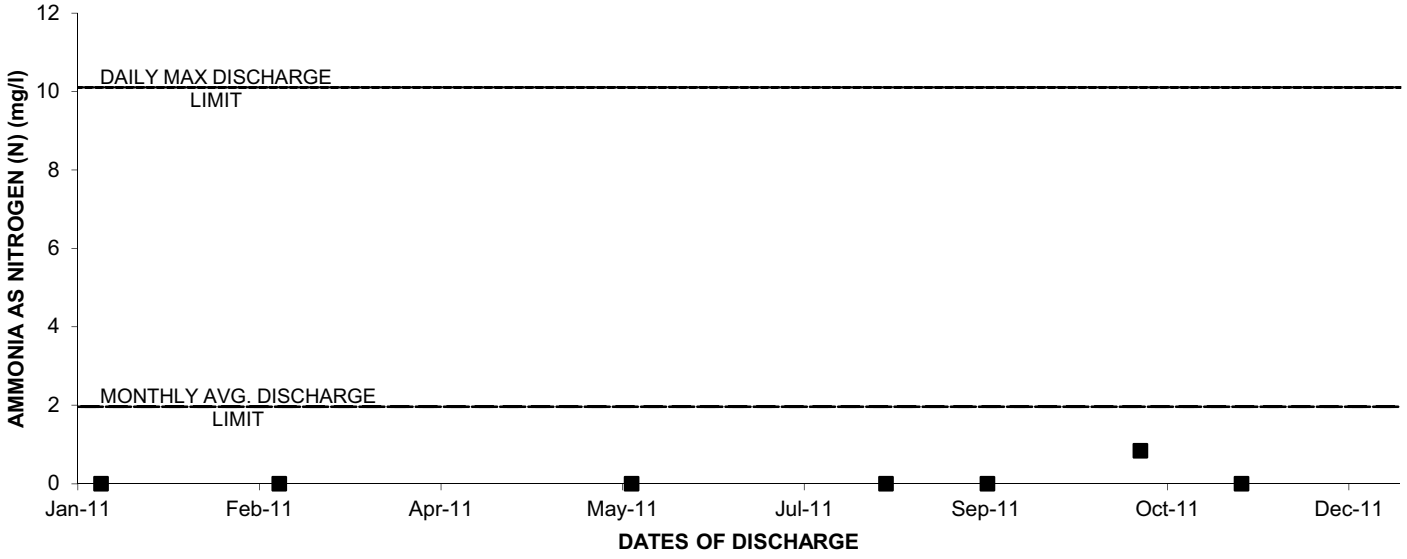
2011: OUTFALL 019 ZINC



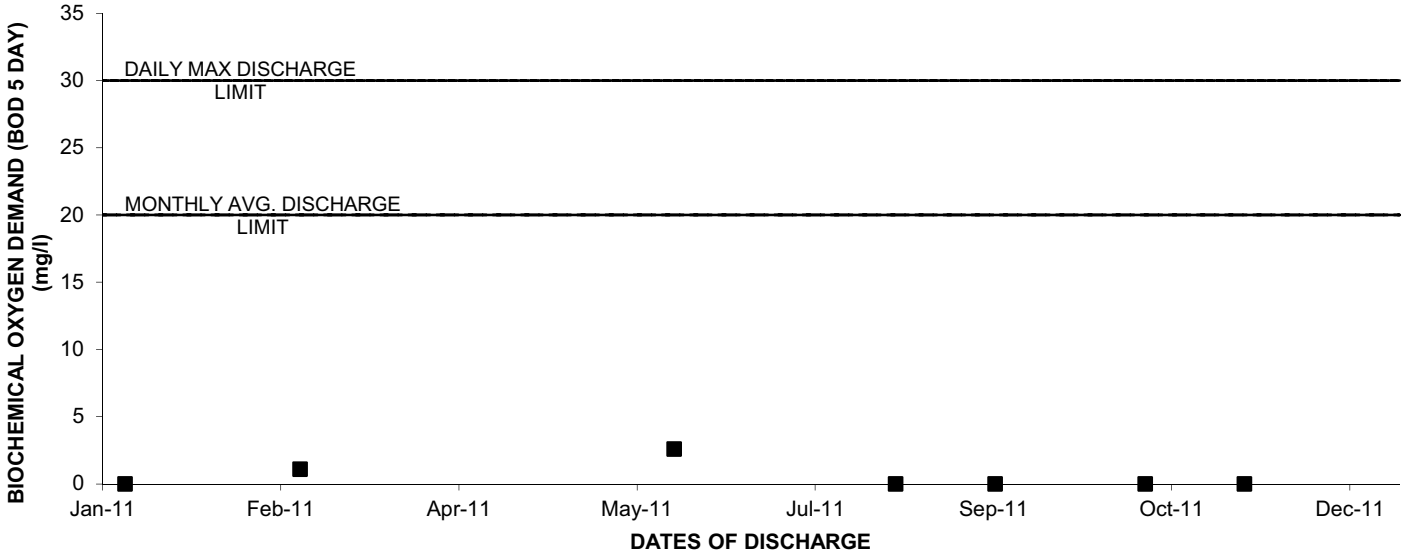
2011: OUTFALL 019 ACUTE TOXICITY



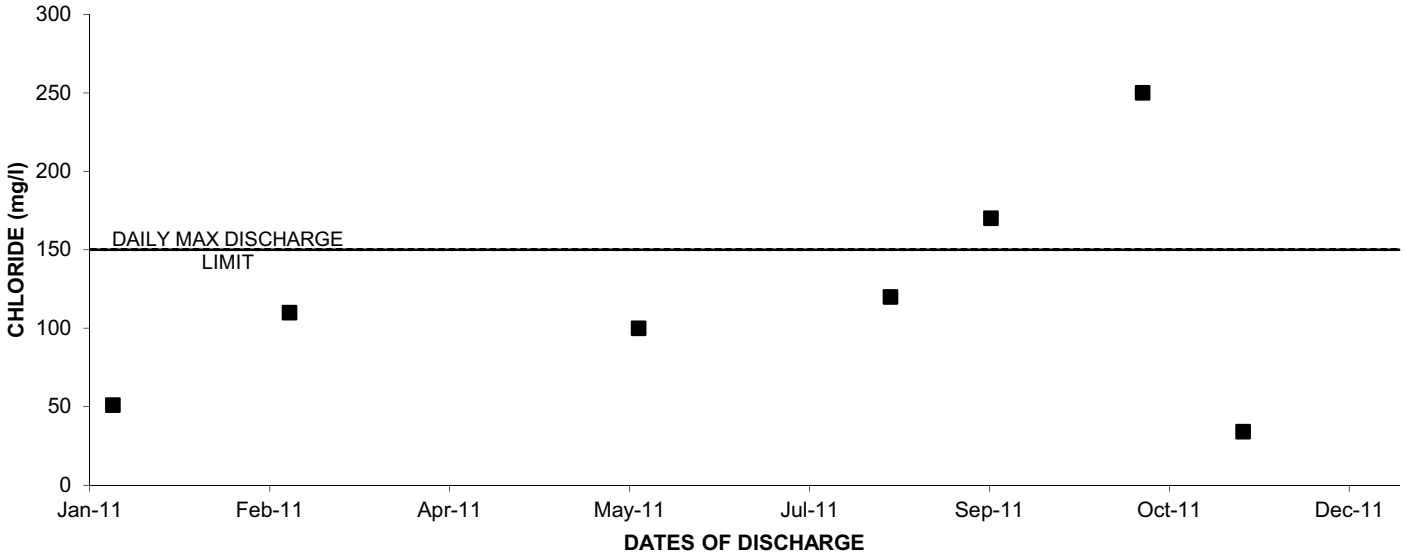
2011: OUTFALL 019 AMMONIA AS NITROGEN (N)



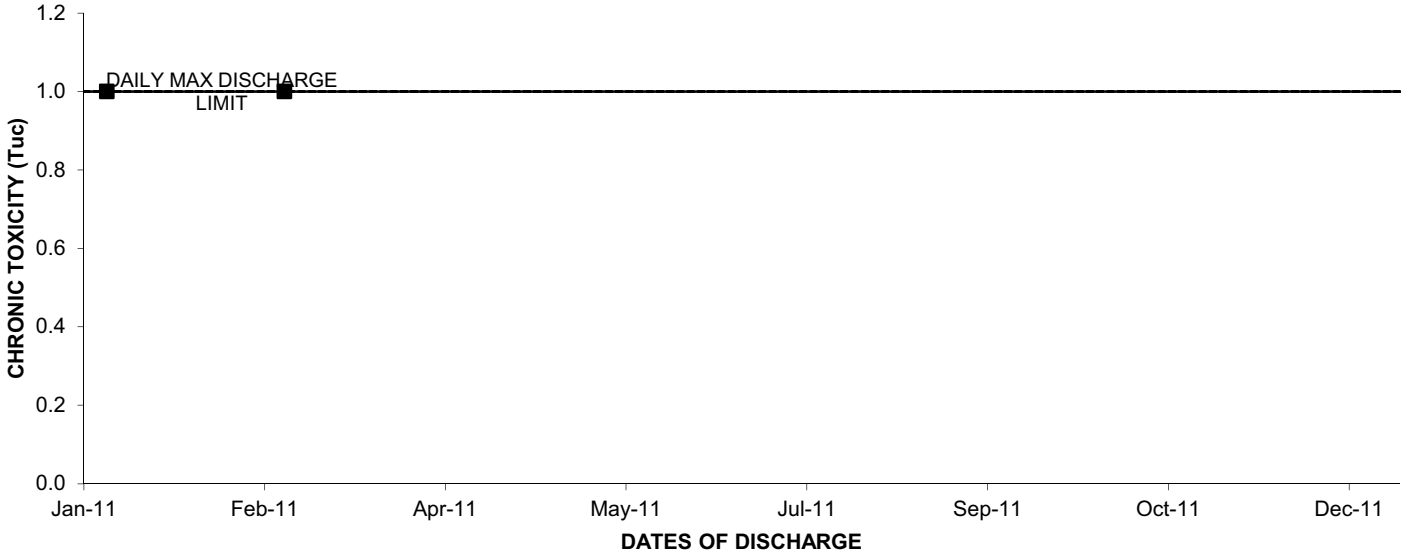
2011: OUTFALL 019 BIOCHEMICAL OXYGEN DEMAND (BOD 5 DAY)



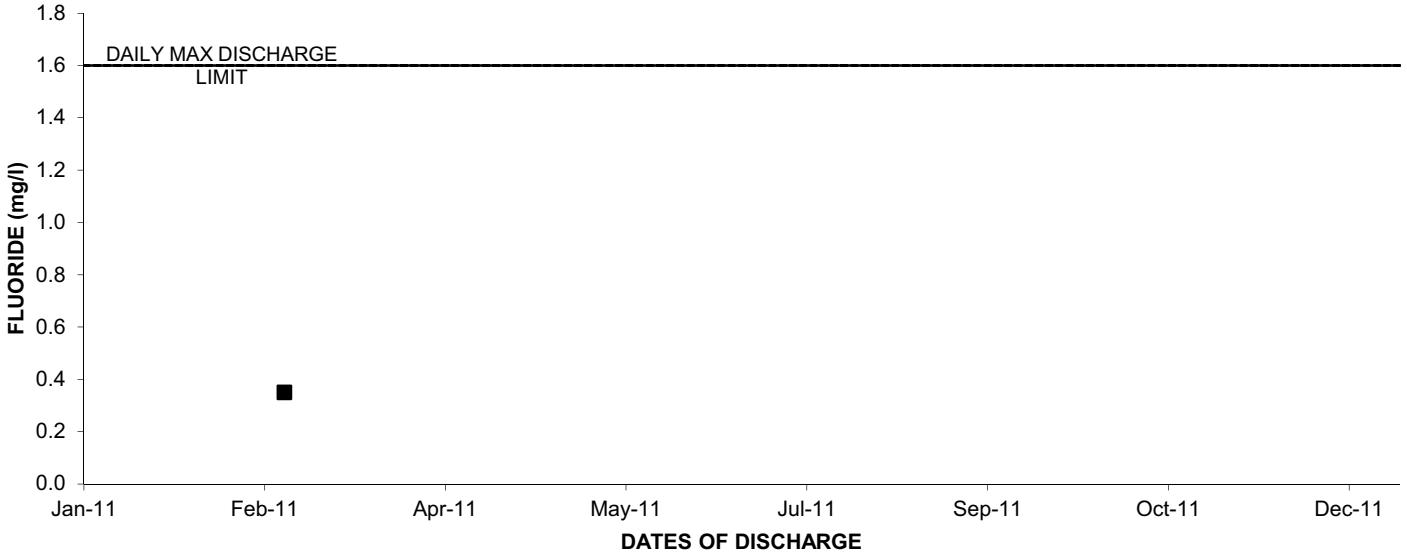
2011: OUTFALL 019 CHLORIDE



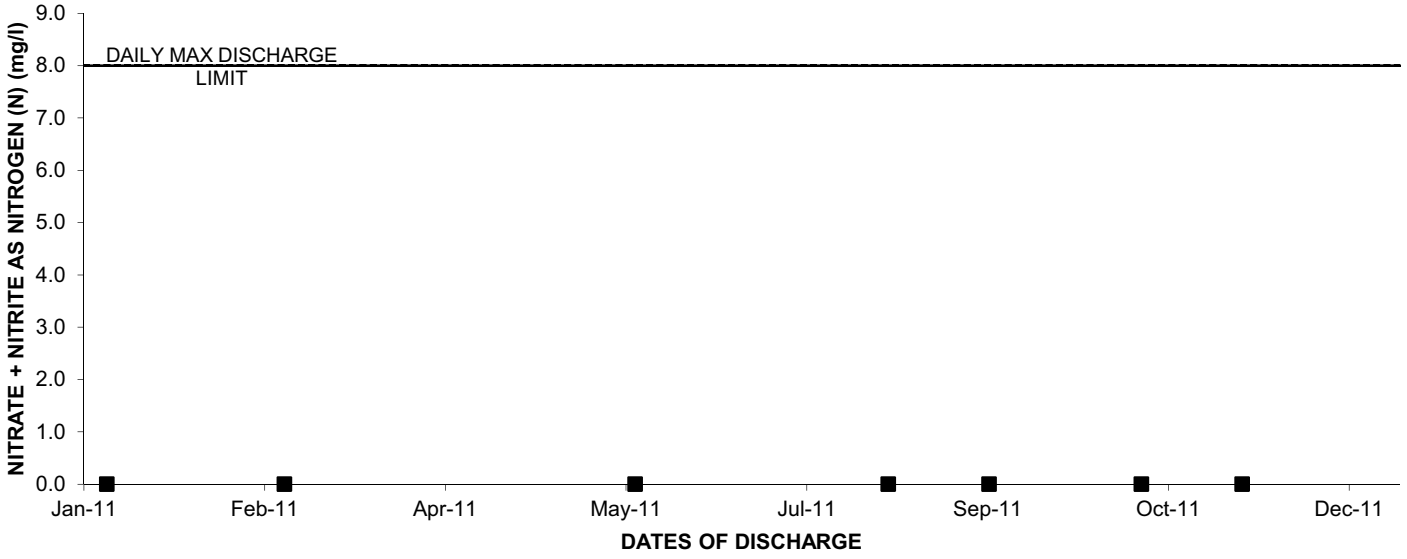
2011: OUTFALL 019 CHRONIC TOXICITY



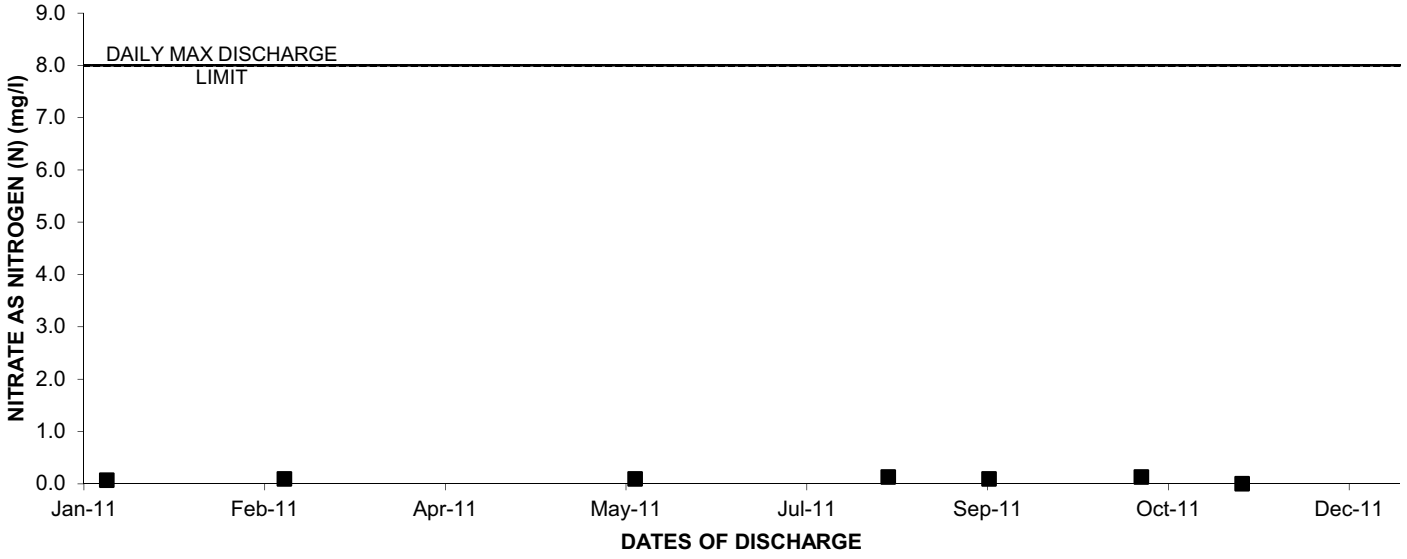
2011: OUTFALL 019 FLUORIDE



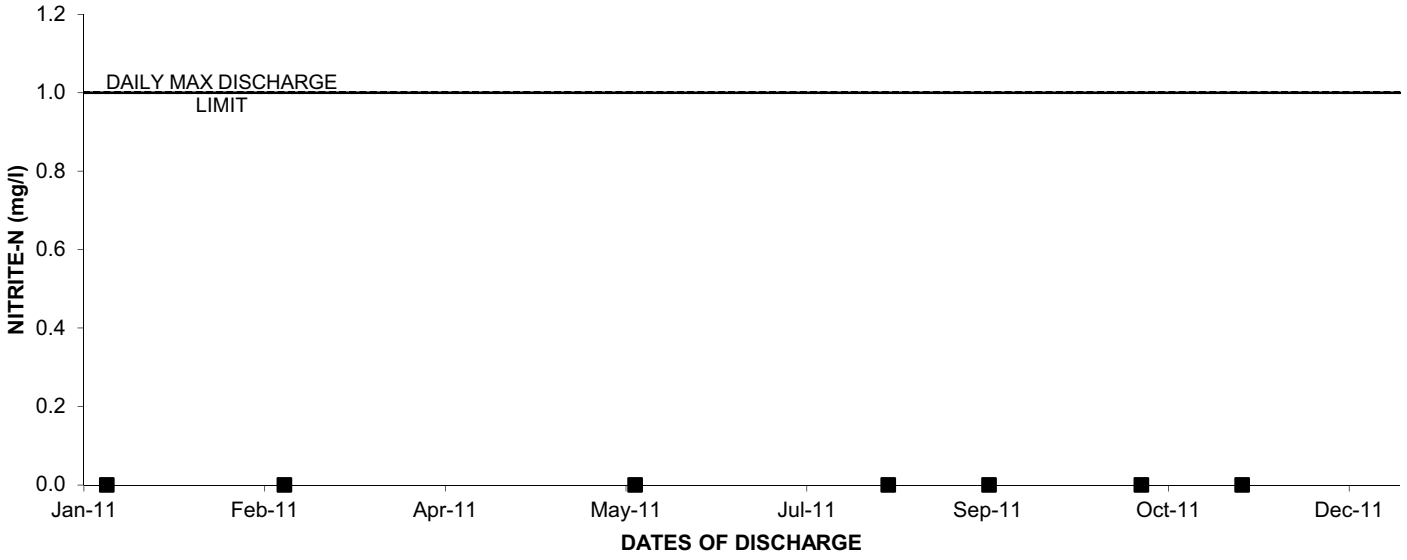
2011: OUTFALL 019 NITRATE + NITRITE AS NITROGEN (N)



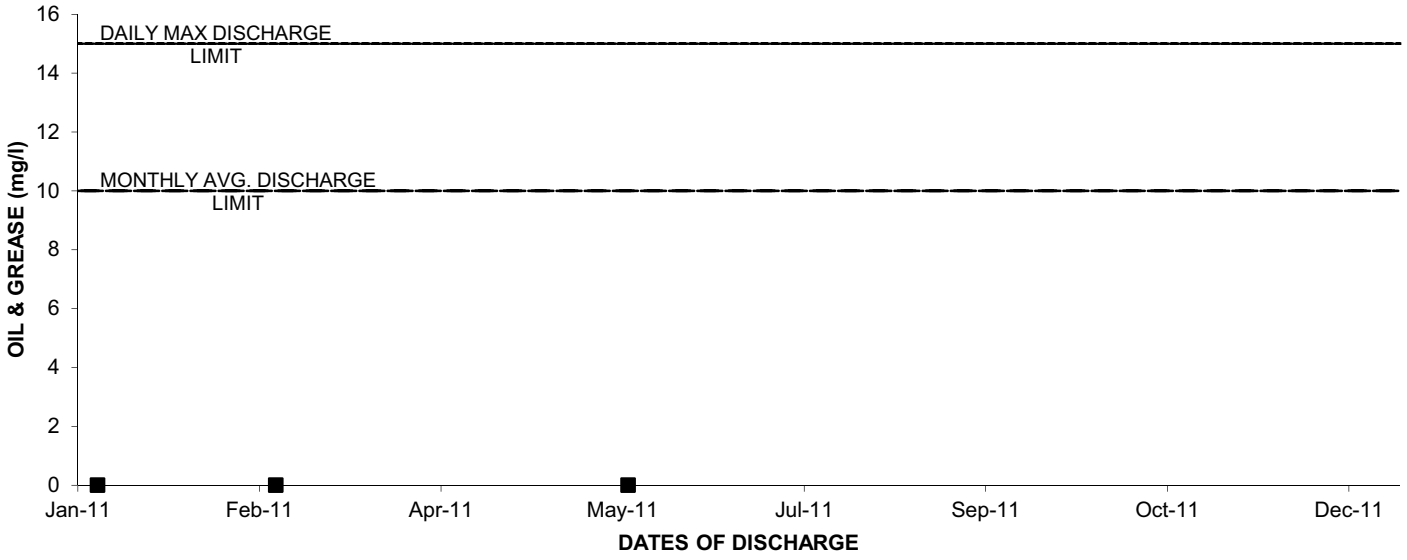
2011: OUTFALL 019 NITRATE AS NITROGEN (N)



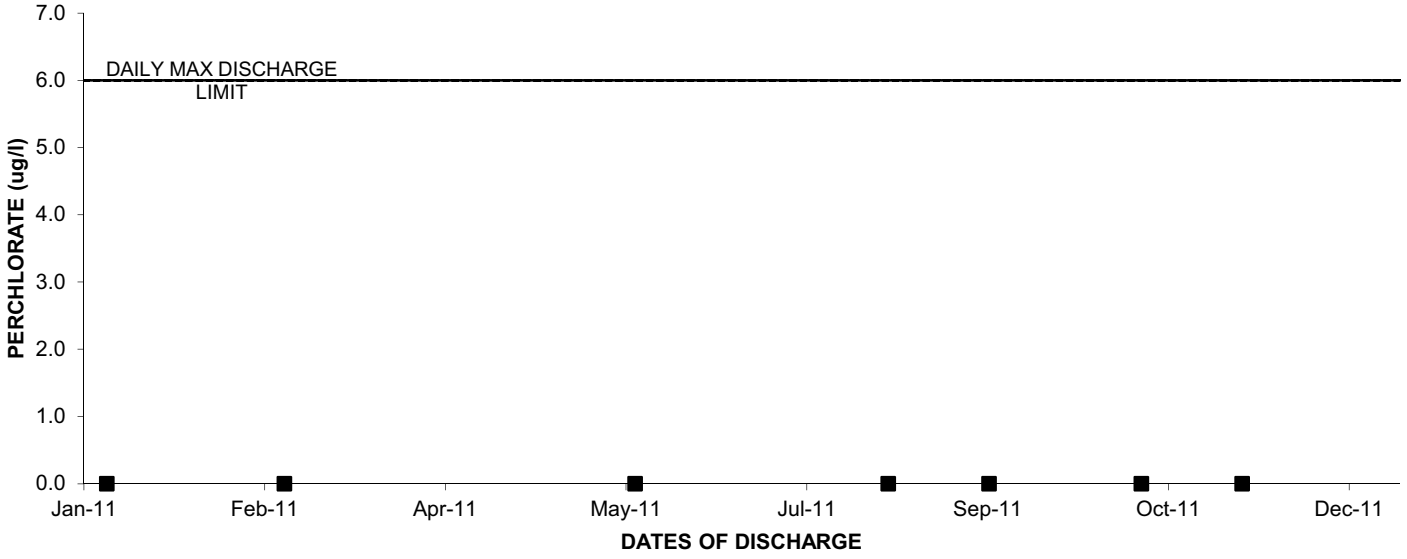
2011: OUTFALL 019 NITRITE-N



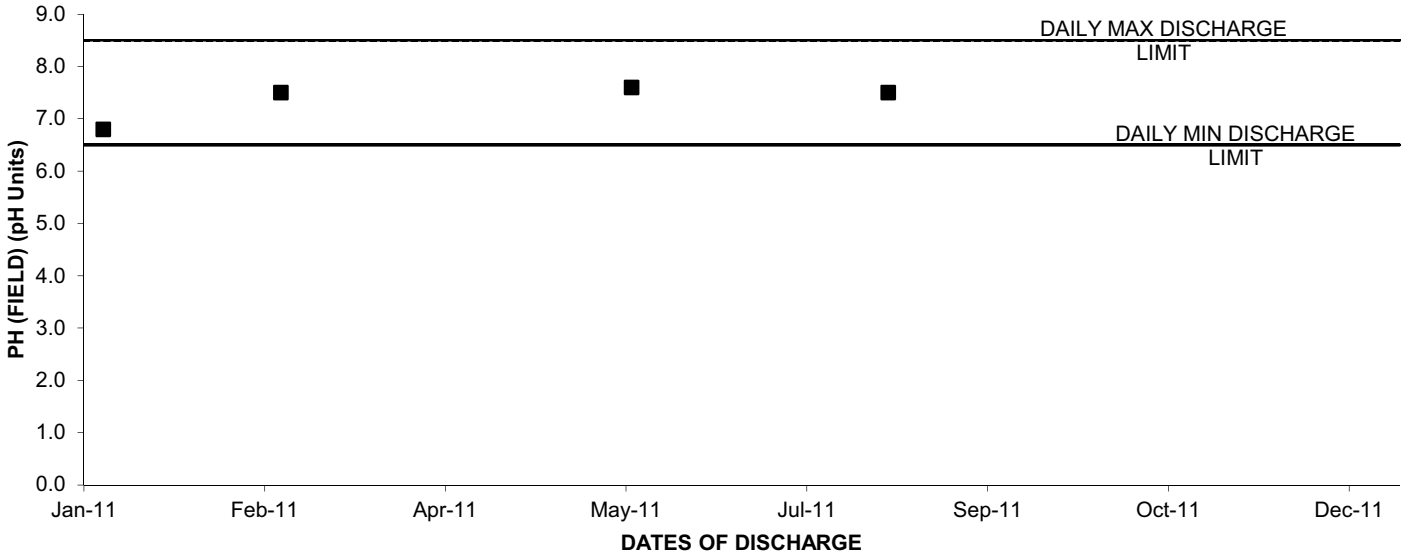
2011: OUTFALL 019 OIL & GREASE



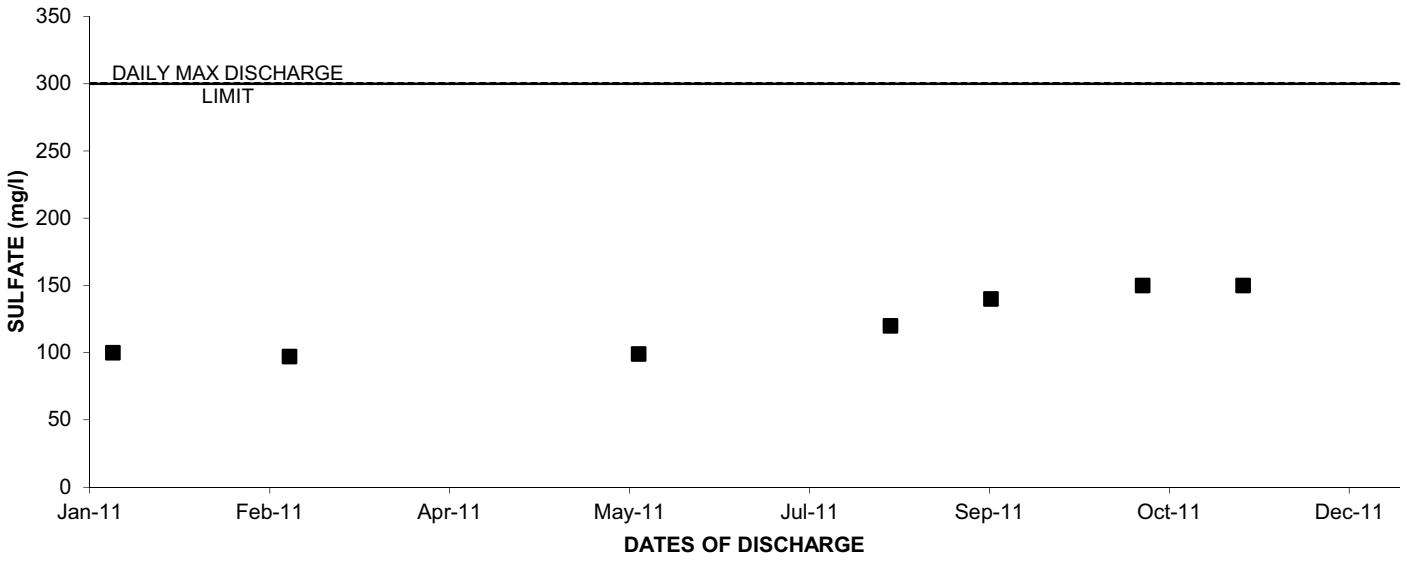
2011: OUTFALL 019 PERCHLORATE



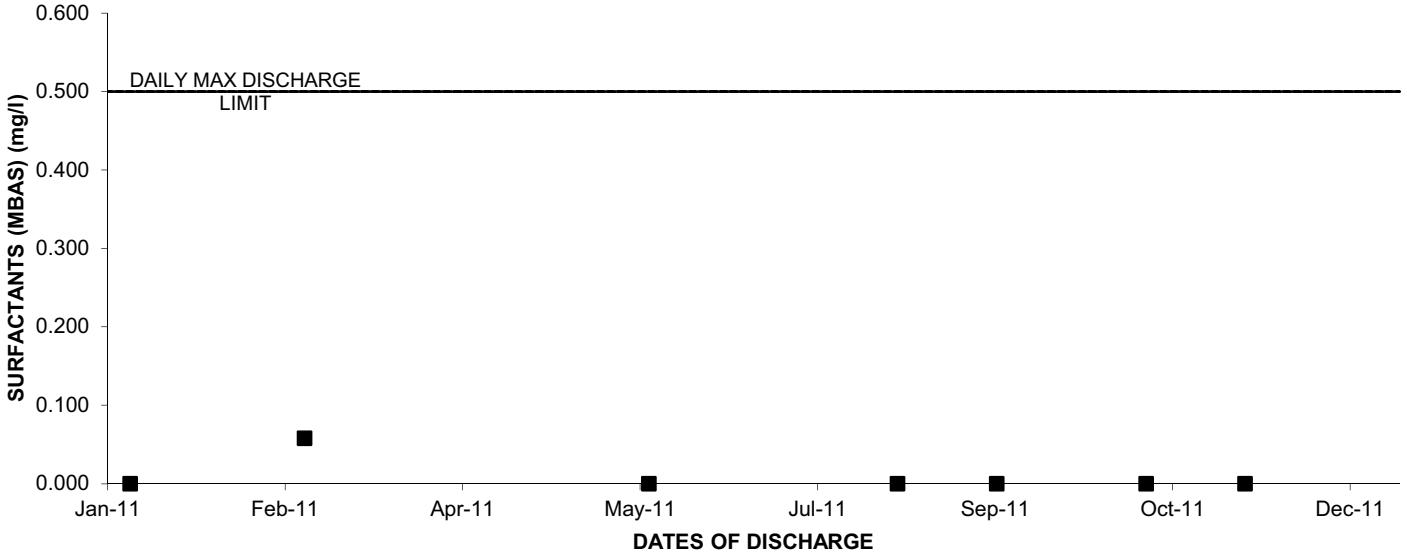
2011: OUTFALL 019 PH (FIELD)



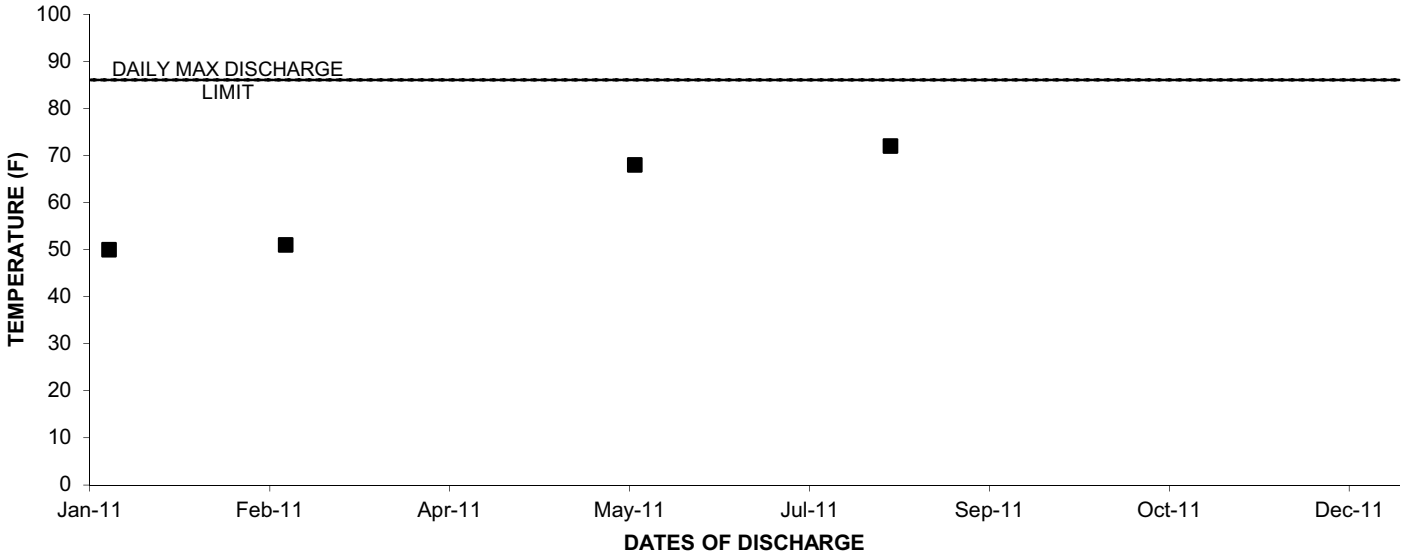
2011: OUTFALL 019 SULFATE



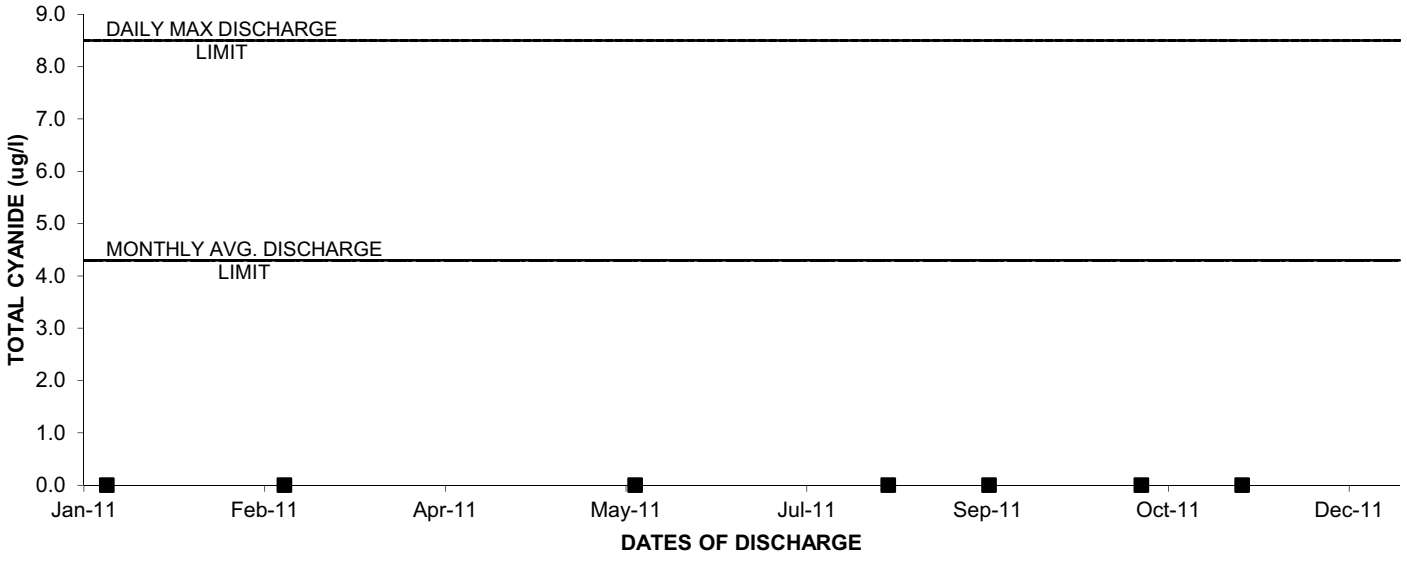
2011: OUTFALL 019 SURFACTANTS (MBAS)



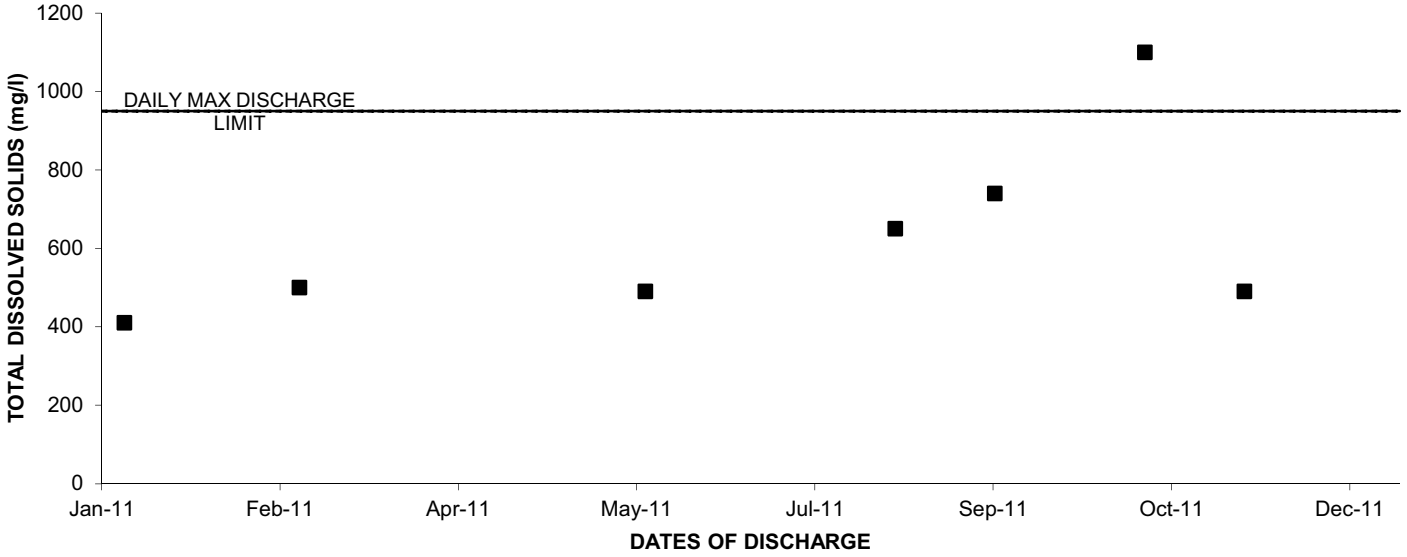
2011: OUTFALL 019 TEMPERATURE



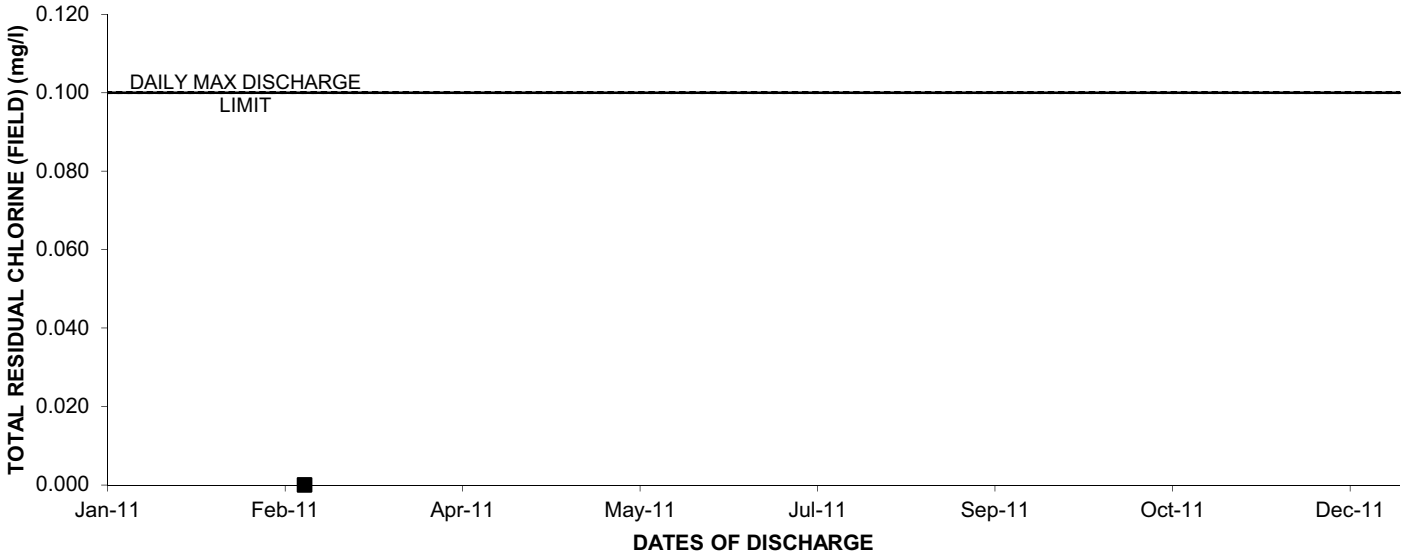
2011: OUTFALL 019 TOTAL CYANIDE



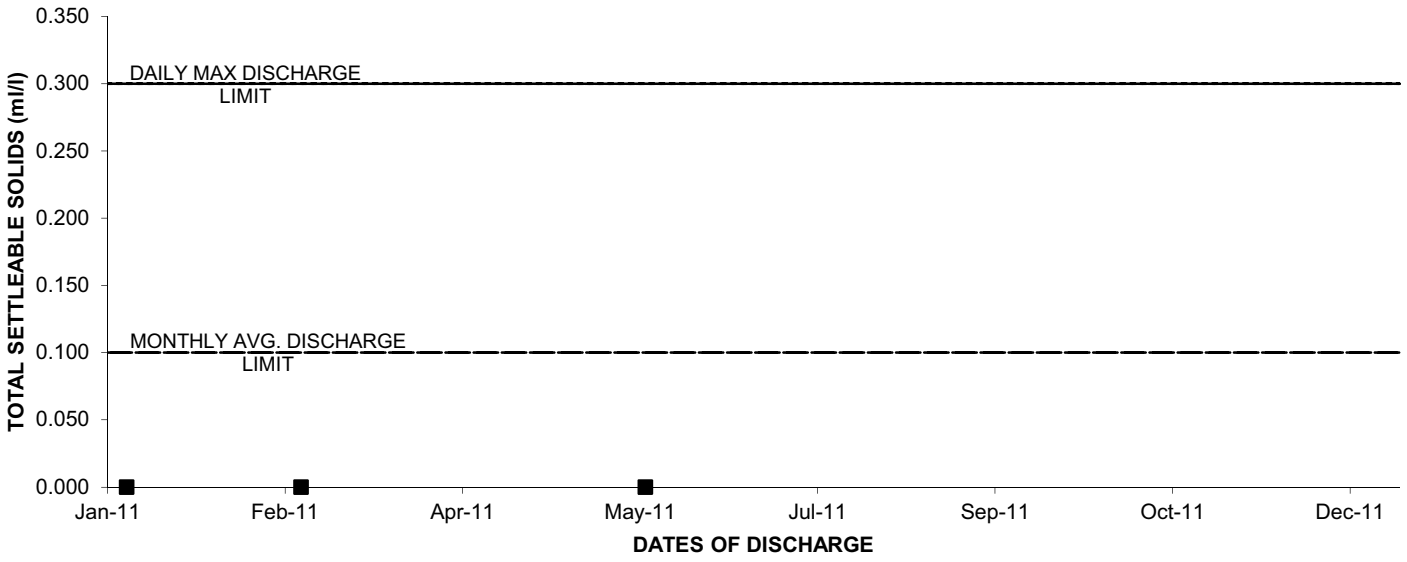
2011: OUTFALL 019 TOTAL DISSOLVED SOLIDS



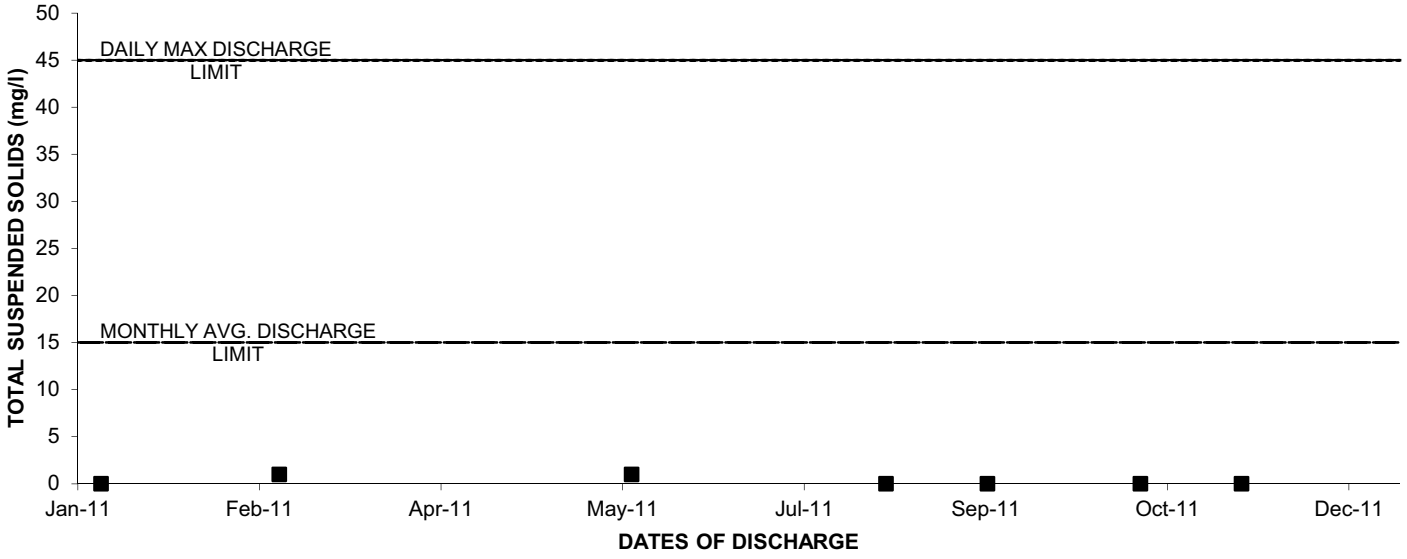
2011: OUTFALL 019 TOTAL RESIDUAL CHLORINE (FIELD)



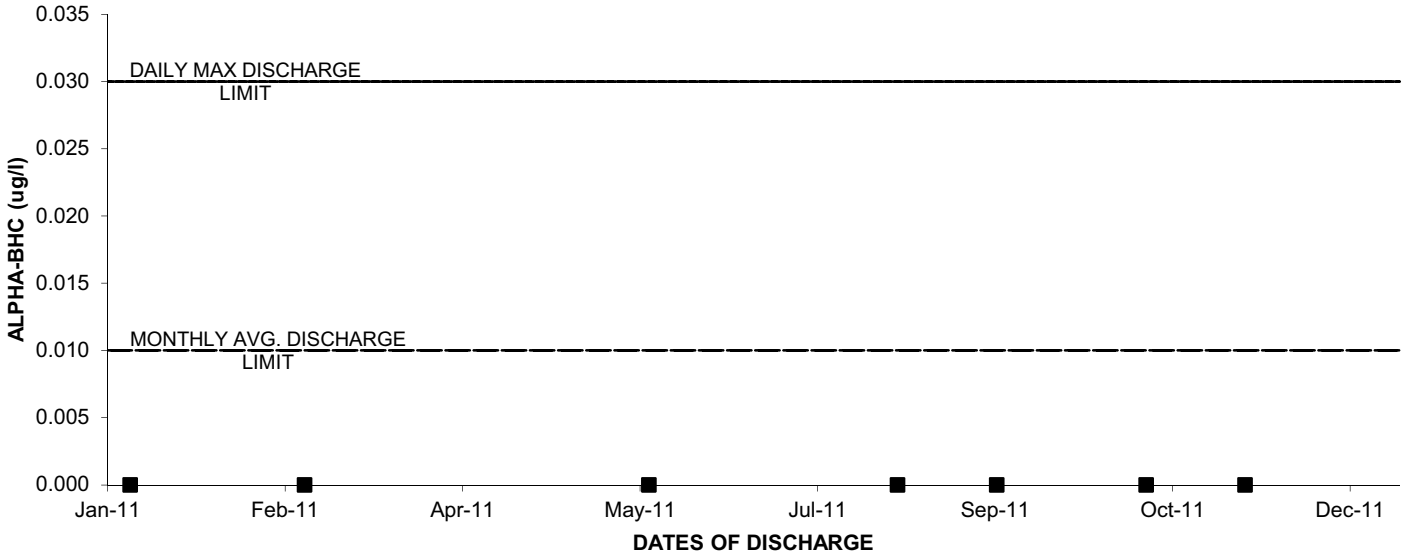
2011: OUTFALL 019 TOTAL SETTLEABLE SOLIDS



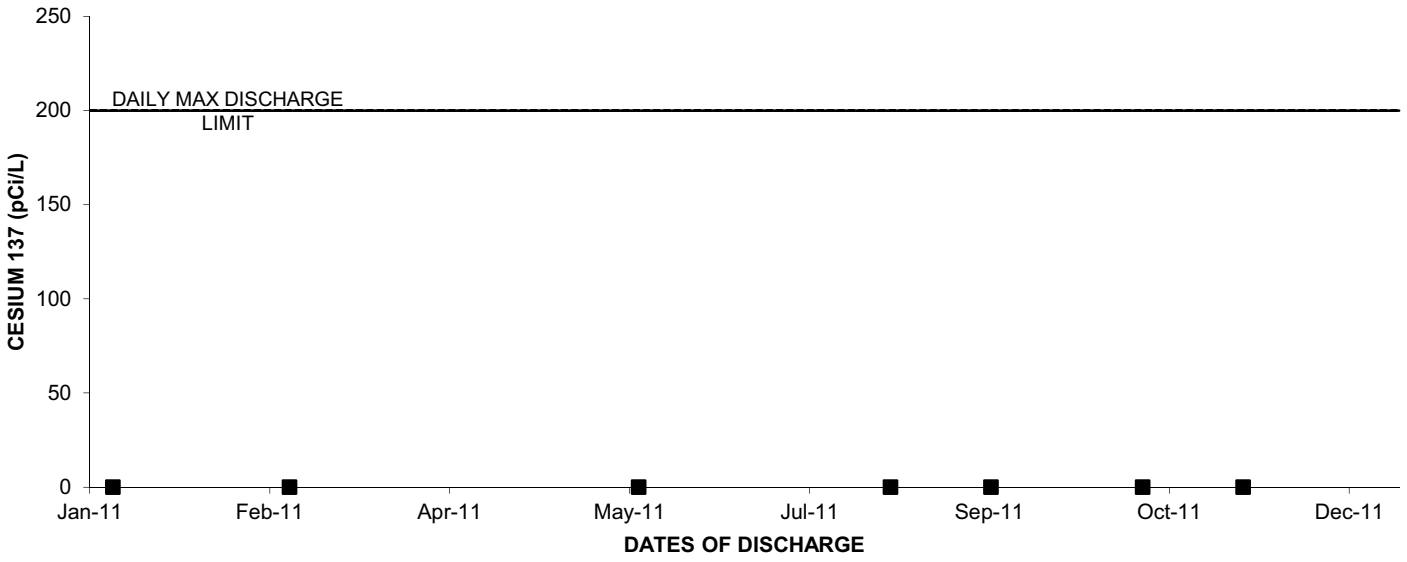
2011: OUTFALL 019 TOTAL SUSPENDED SOLIDS



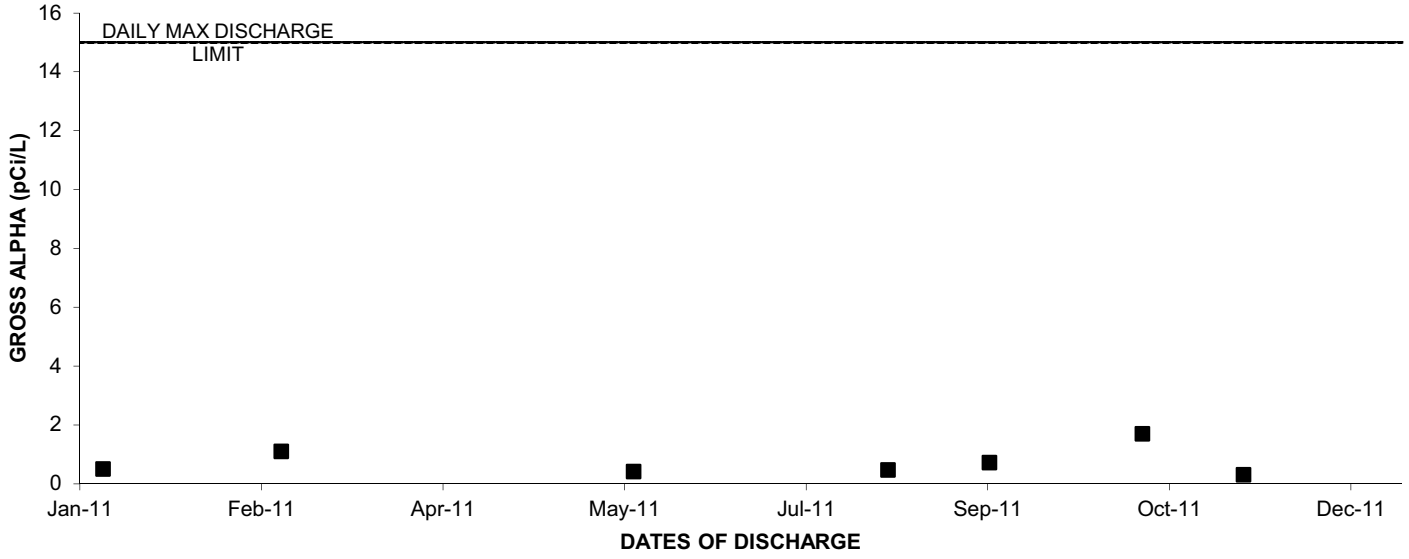
2011: OUTFALL 019 ALPHA-BHC



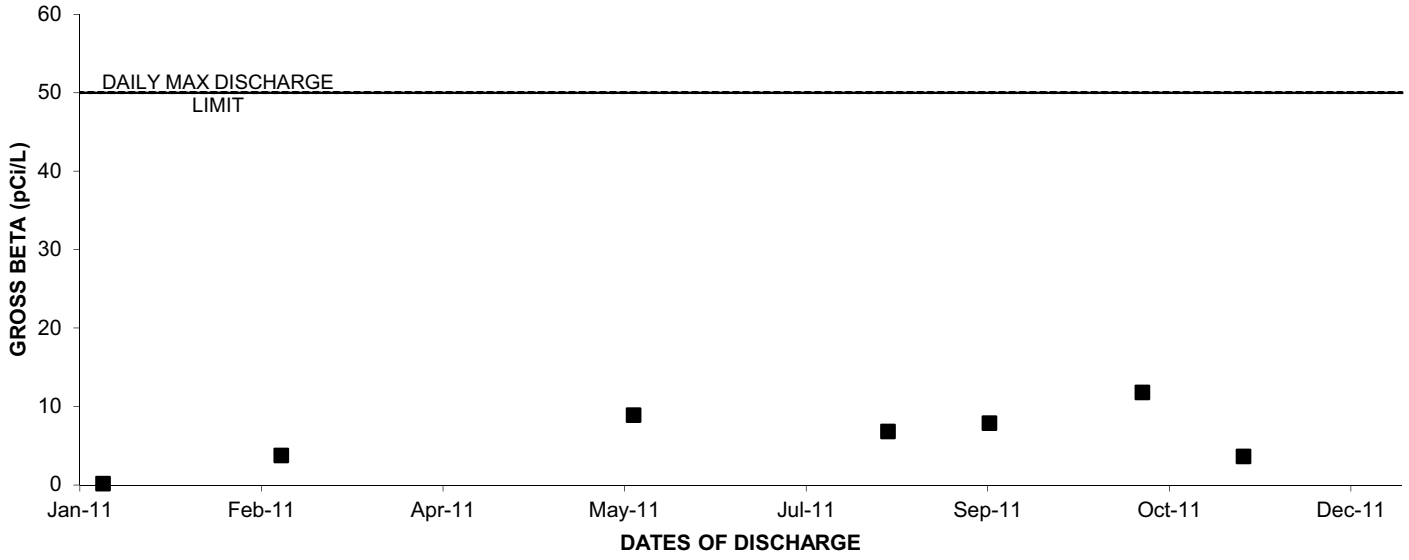
2011: OUTFALL 019 CESIUM 137



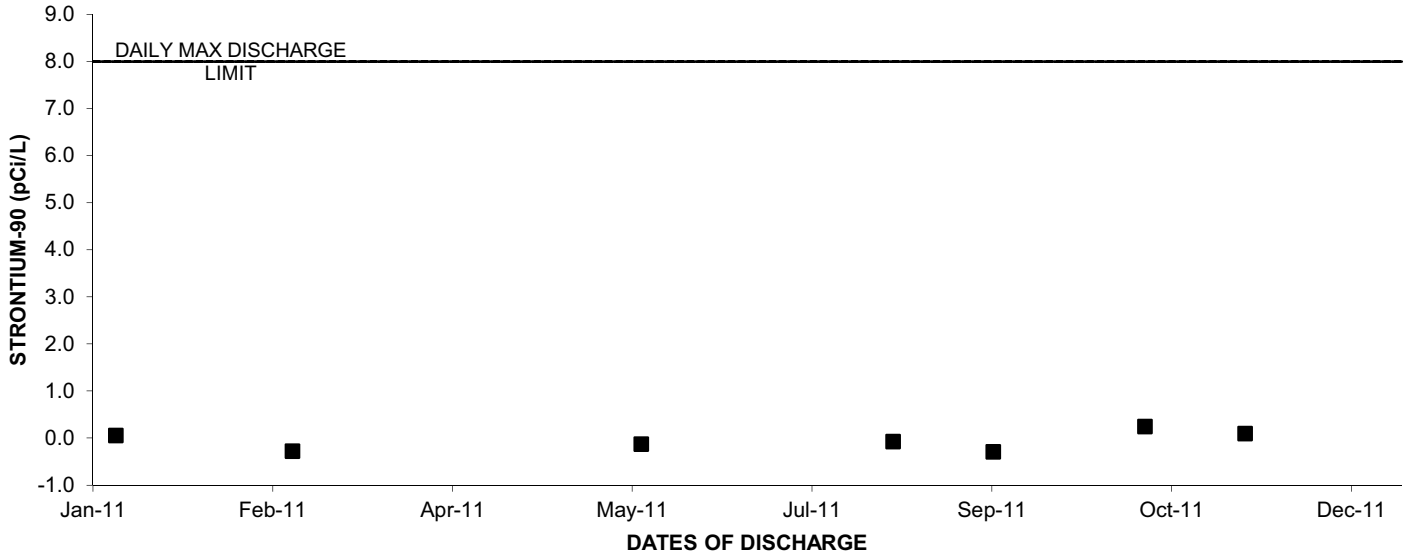
2011: OUTFALL 019 GROSS ALPHA



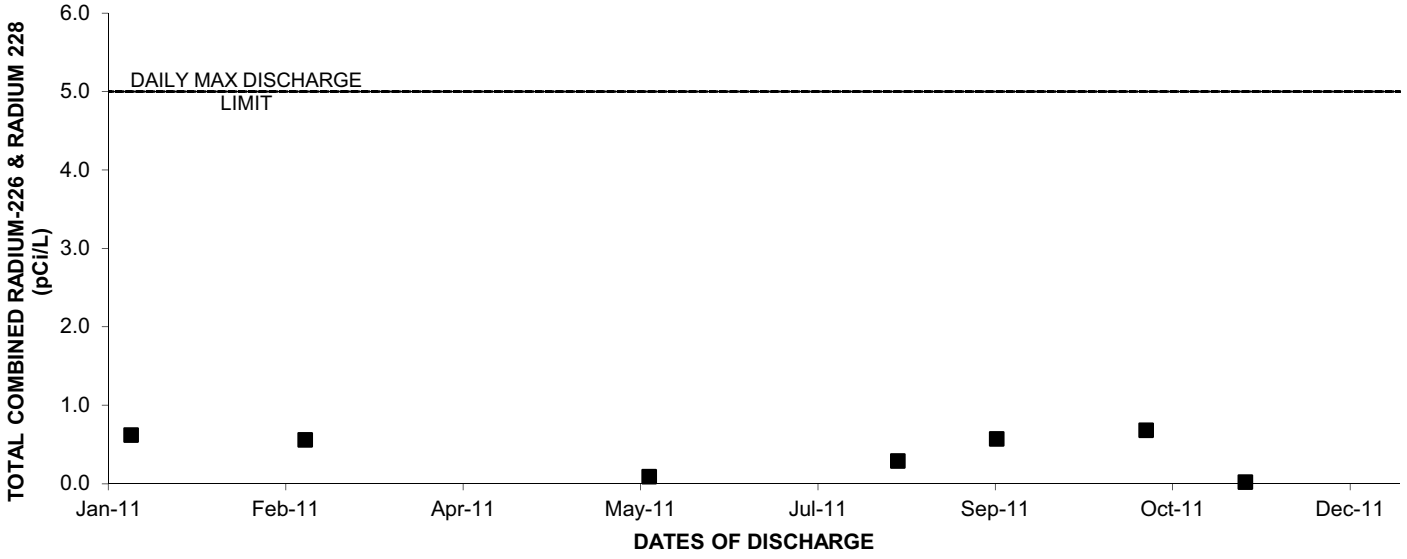
2011: OUTFALL 019 GROSS BETA



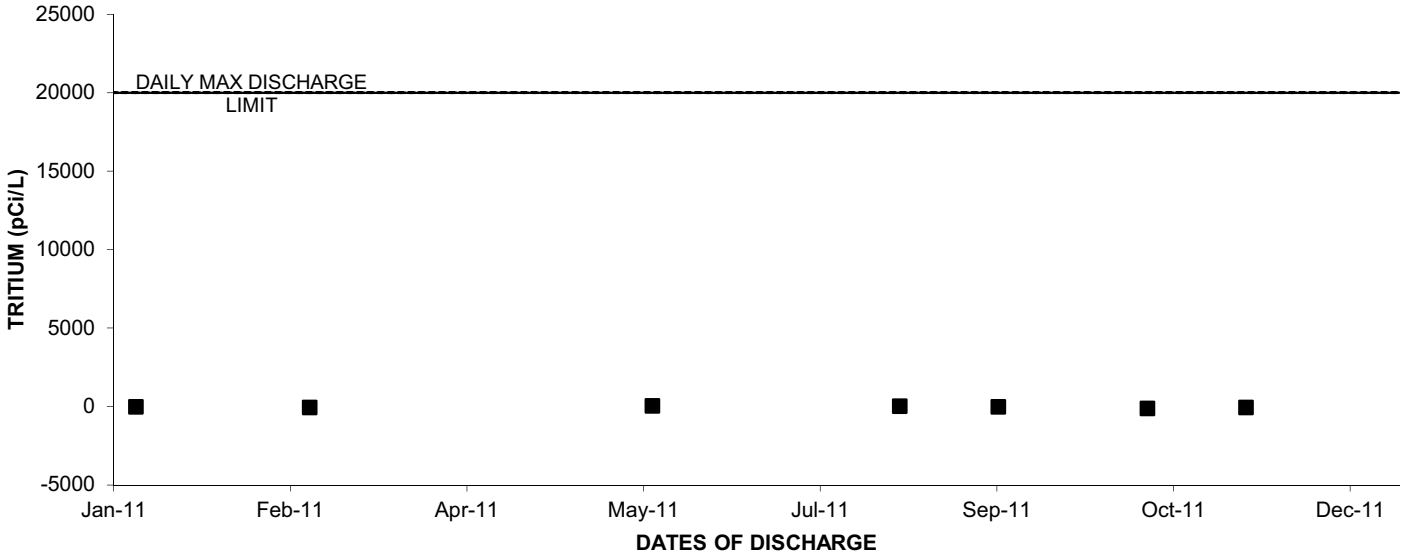
2011: OUTFALL 019 STRONTIUM-90



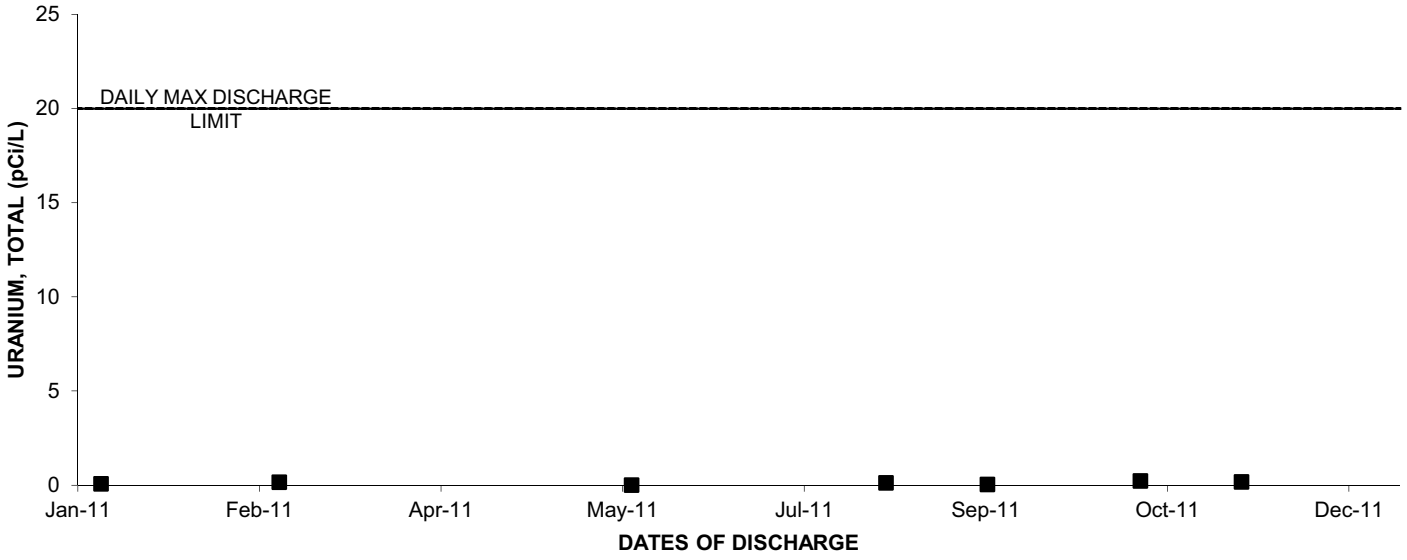
2011: OUTFALL 019 TOTAL COMBINED RADIUM-226 & RADIUM 228



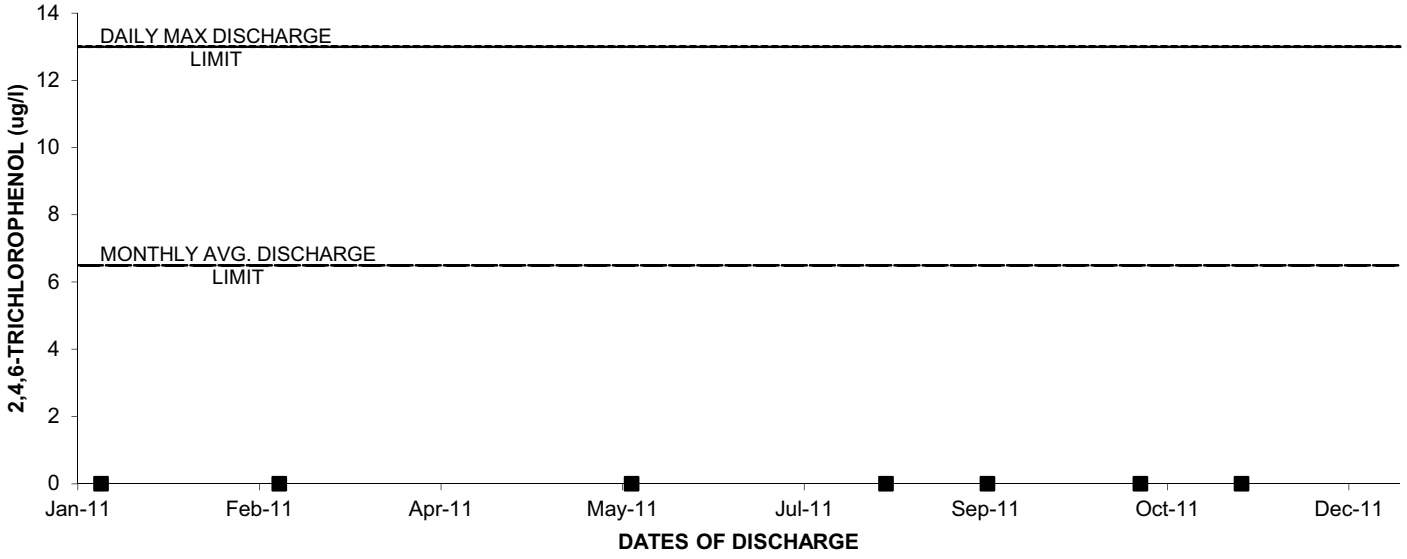
2011: OUTFALL 019 TRITIUM



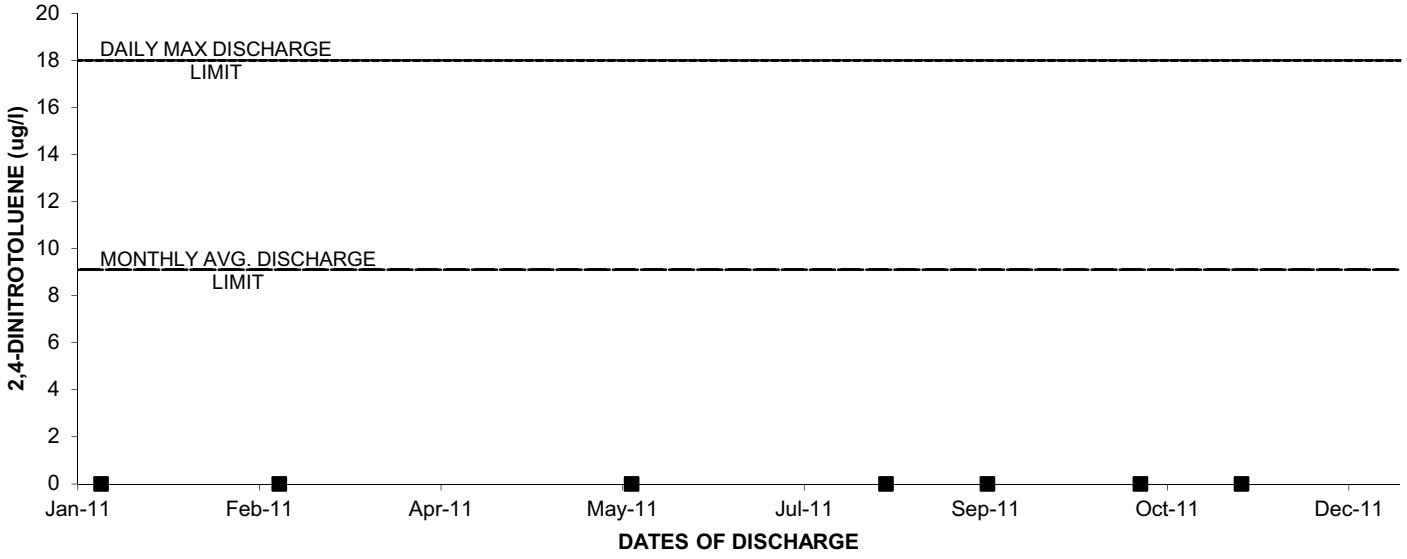
2011: OUTFALL 019 URANIUM, TOTAL



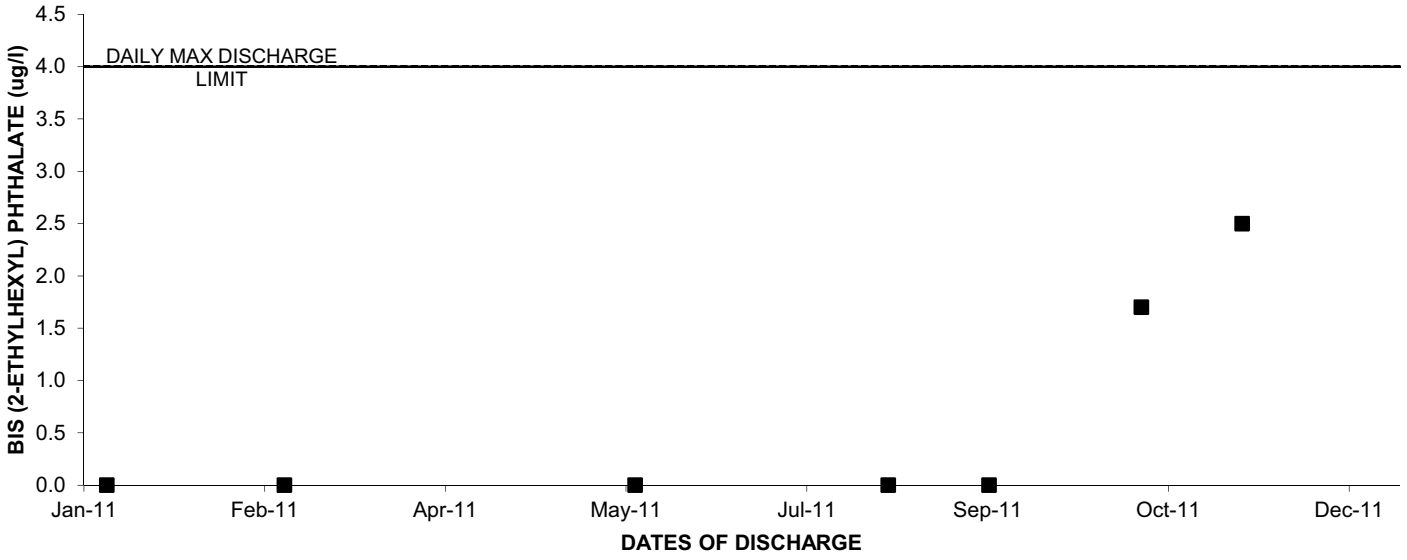
2011: OUTFALL 019 2,4,6-TRICHLOROPHENOL



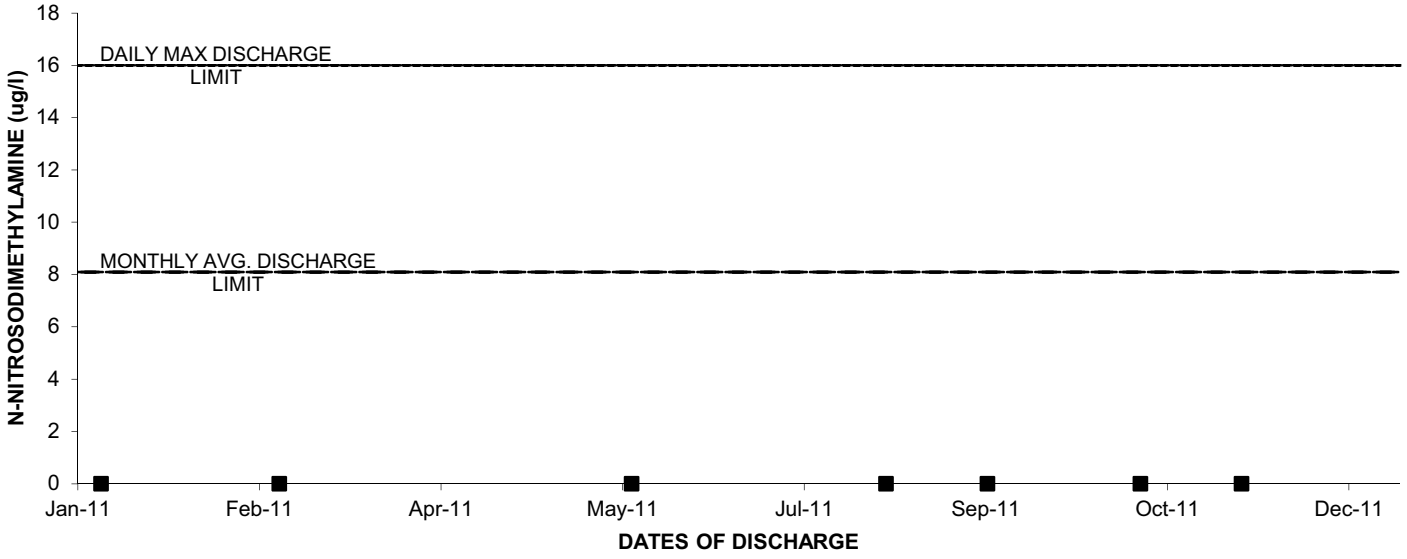
2011: OUTFALL 019 2,4-DINITROTOLUENE



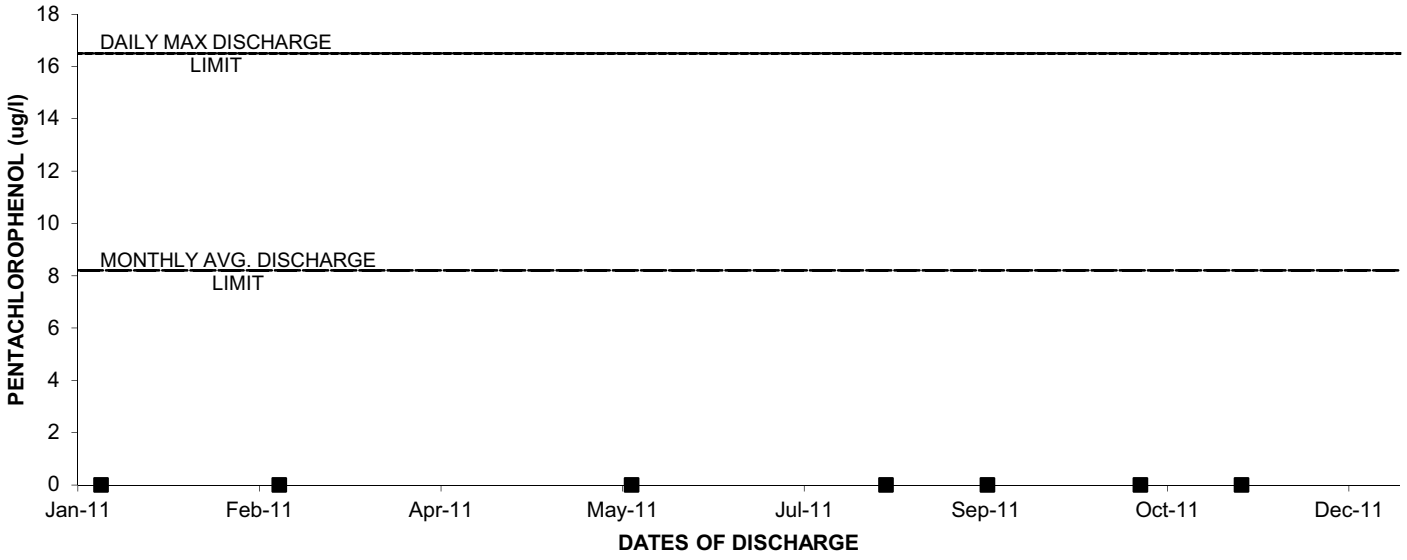
2011: OUTFALL 019 BIS (2-ETHYLHEXYL) PHTHALATE



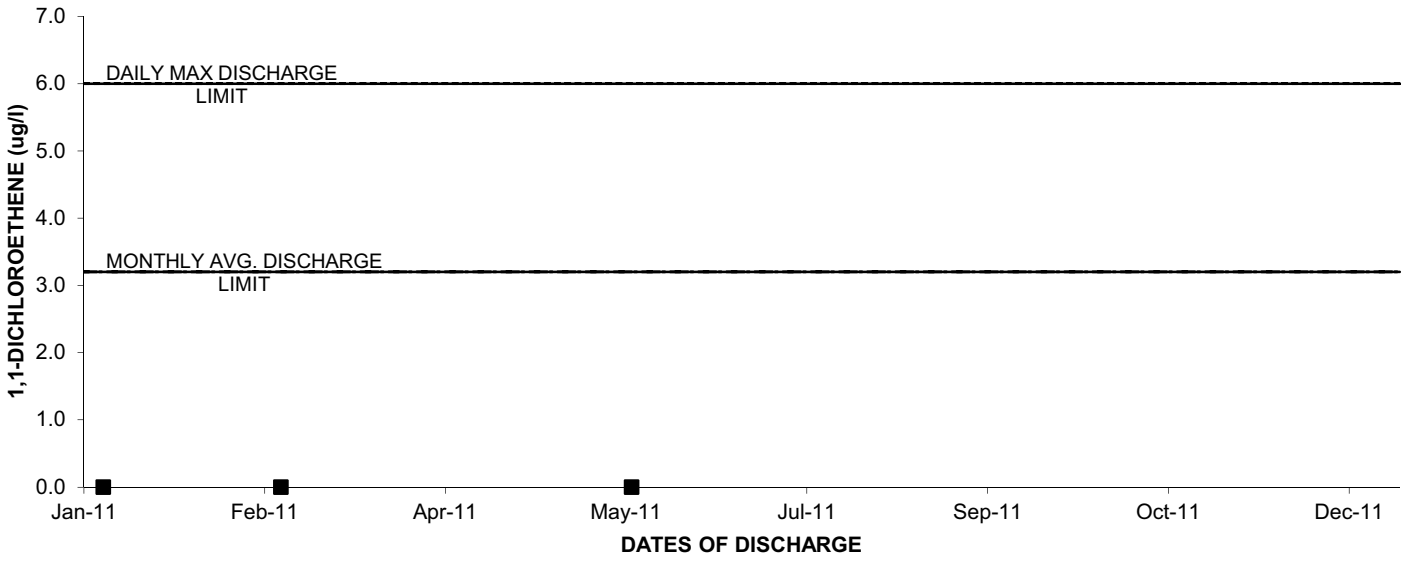
2011: OUTFALL 019 N-NITROSODIMETHYLAMINE

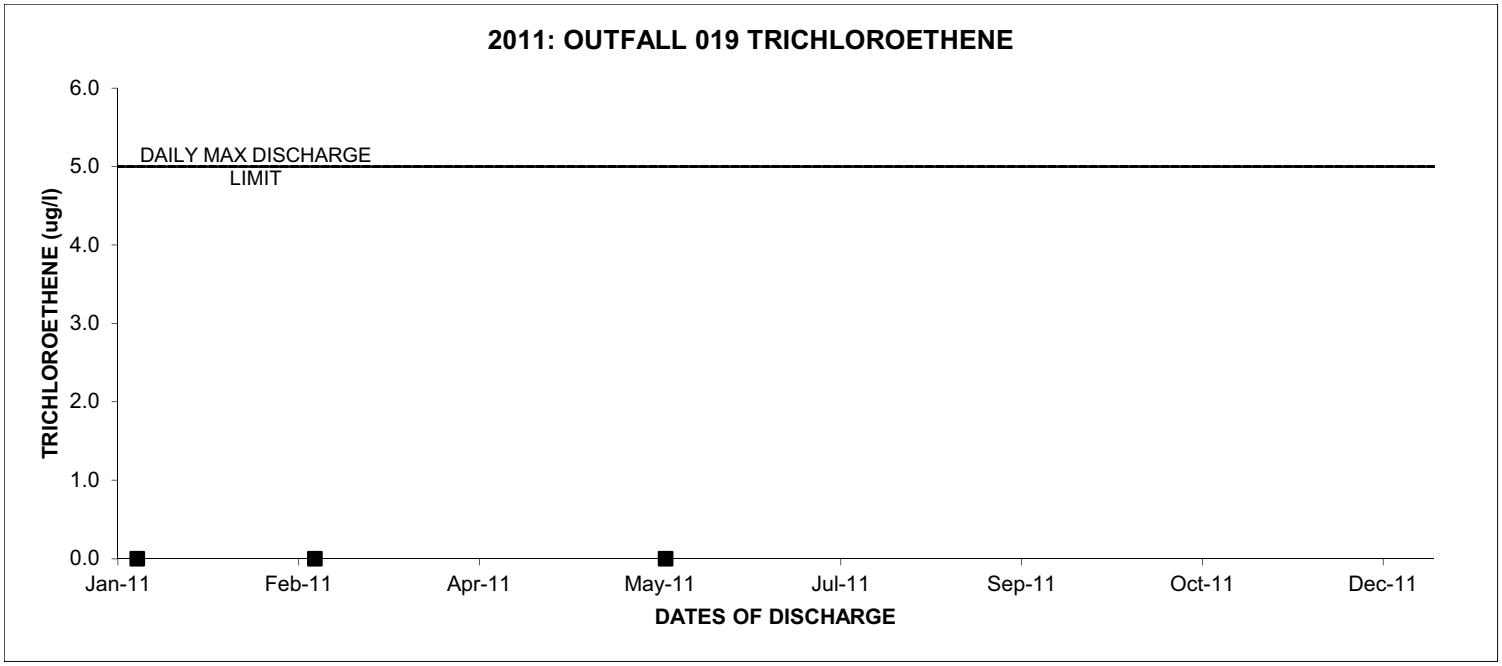


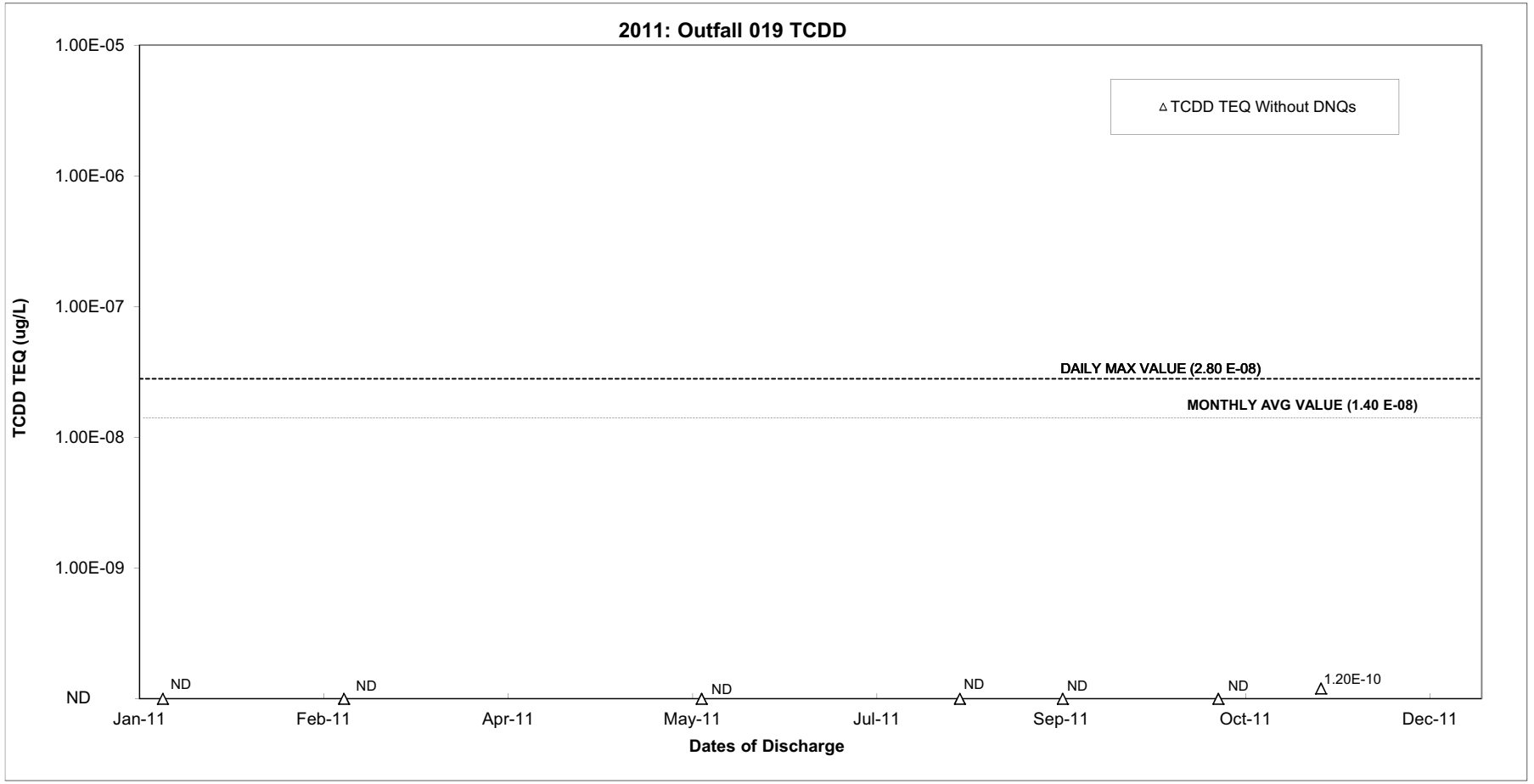
2011: OUTFALL 019 PENTACHLOROPHENOL



2011: OUTFALL 019 1,1-DICHLOROETHENE




2011: OUTFALL 019 TRICHLOROETHENE
6.0
5.0
4.0
3.0
2.0
1.0
0.0
DAILY MAX DISCHARGE LIMIT
TRICHLOROETHENE (ug/l)
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
DATES OF DISCHARGE


2011: Outfall 019 TCDD
TCDD TEQ Without DNQs
DAILY MAX VALUE (2.80 E-08)
MONTHLY AVG VALUE (1.40 E-08)
TCDD TEQ (ug/L)
1.00E-05
1.00E-06
1.00E-07
1.00E-08
1.00E-09
ND
ND
ND
ND
ND
ND
ND
1.20E-10
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
Dates of Discharge