

OUTFALL 004 (SRE)

**ANNUAL 2009 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2009

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	2/6/2009		2/16/2009	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Chloride	mg/L	150/-	50	--	18	*
Fluoride	mg/L	1.6/-	0.26	--	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	0.16	J (DNQ)	0.41	*
Oil & Grease	mg/L	15/-	ND < 1.3	U	1.5	J* (DNQ)
Perchlorate	ug/L	6.0/-	ND < 0.90	U	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	7.4	*	6.6	*
Sulfate	mg/L	250/-	22	--	6.0	*
Temperature	deg. F	86/-	51	*	47	*
Total Cyanide	ug/L	-/-	ND < 2.2	U	ANR	ANR
Total Dissolved Solids	mg/L	850/-	210	--	100	*
Hardness	mg/L	-/-	23	--	ANR	ANR
Hardness, dissolved	mg/L	-/-	19	--	ANR	ANR
Total Suspended Solids	mg/L	-/-	27	--	ANR	ANR
Volume Discharged	MGD	17.8/-	0.00568	*	0.012325	*
METALS						
Aluminum	ug/L	-/-	4000	--	ANR	ANR
Aluminum, dissolved	ug/L	-/-	170	--	ANR	ANR
Antimony	ug/L	6.0/-	ND < 2.0	U (B)	0.41	J* (DNQ)
Antimony, dissolved	ug/L	-/-	ND < 2.0	U (B)	0.57	J* (DNQ)
Arsenic	ug/L	-/-	ND < 14	U (B)	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ND < 7.0	U	ANR	ANR
Beryllium	ug/L	-/-	ND < 0.90	U	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ND < 0.90	U	ANR	ANR
Boron	mg/L	1.0/-	ND < 0.020	U	ANR	ANR
Boron, dissolved	mg/L	-/-	0.020	J (DNQ)	ANR	ANR
Cadmium	ug/L	4.0/-	ND < 0.11	U	ND < 0.11	*
Cadmium, dissolved	ug/L	-/-	ND < 0.11	U	ND < 0.11	*
Calcium	ug/L	-/-	5.2	--	ANR	ANR
Calcium, Dissolved	ug/L	-/-	5.3	--	ANR	ANR
Chromium	ug/L	-/-	4.8	J (DNQ)	ANR	ANR
Chromium, dissolved	ug/L	-/-	ND < 2.0	U	ANR	ANR
Copper	ug/L	14.0/-	4.1	--	2.8	*
Copper, dissolved	ug/L	-/-	0.86	J (DNQ)	1.0	J* (DNQ)
Iron	mg/L	-/-	4.7	--	ANR	ANR
Iron, dissolved	mg/L	-/-	0.21	--	ANR	ANR
Lead	ug/L	5.2/-	2.8	--	1.9	*
Lead, dissolved	ug/L	-/-	ND < 0.30	U	ND < 0.30	*
Magnesium	mg/L	-/-	2.6	--	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	1.5	--	ANR	ANR
Mercury	ug/L	0.13/-	ND < 0.2	U (B)	0.034	J (DNQ)
Mercury, dissolved	ug/L	-/-	ND < 0.2	U (B)	ND < 0.027	U
Nickel	ug/L	100/-	3.6	J (DNQ)	ANR	ANR
Nickel, dissolved	ug/L	-/-	ND < 2.0	U	ANR	ANR
Selenium	ug/L	-/-	ND < 8.0	U	ANR	ANR
Selenium, dissolved	ug/L	-/-	ND < 8.0	U	ANR	ANR
Silver	ug/L	-/-	ND < 6.0	U	ANR	ANR
Silver, dissolved	ug/L	-/-	ND < 6.0	U	ANR	ANR
Thallium	ug/L	2.0/-	ND < 0.20	U	ND < 0.20	C*

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Thallium, dissolved	ug/L	-/-	ND < 0.20	U	ND < 0.20	C*
Vanadium	ug/L	-/-	11	--	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ND < 3.0	U	ANR	ANR
Zinc	ug/L	-/-	14	J (DNQ)	ANR	ANR
Zinc, dissolved	ug/L	-/-	ND < 6.0	U	ANR	ANR
ORGANICS						
Benzene	ug/L	-/-	ND < 0.28	U	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ND < 0.28	UJ (C)	ANR	ANR
Chloroform	ug/L	-/-	ND < 0.33	U	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ND < 0.40	U	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ND < 0.28	U	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ND < 0.42	U	ANR	ANR
Ethylbenzene	ug/L	-/-	ND < 0.25	U	ANR	ANR
Tetrachloroethene	ug/L	-/-	ND < 0.32	U	ANR	ANR
Toluene	ug/L	-/-	ND < 0.36	U	ANR	ANR
Xylenes (Total)	ug/L	-/-	ND < 0.90	U	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ND < 0.30	U	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ND < 0.30	U	ANR	ANR
Trichloroethene	ug/L	-/-	ND < 0.26	U	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ND < 0.34	U	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ND < 0.50	U	ANR	ANR
Vinyl chloride	ug/L	-/-	ND < 0.40	U	ANR	ANR
ADDITIONAL ANALYTES						
2,4,5-Trichlorophenol	ug/L	-/-	ND < 3.0	*	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ND < 0.30	U	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ND < 2.5	*	ANR	ANR
1,2-Dichlorobenzene (EPA 625)	ug/L	-/-	ND < 3.0	*	ANR	ANR
1,2-Dichlorobenzene (EPA 624)	ug/L	-/-	ND < 0.32	U	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ND < 0.35	U	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ND < 2.5	*	ANR	ANR
1,3-Dichlorobenzene (EPA 625)	ug/L	-/-	ND < 3.0	*	ANR	ANR
1,3-Dichlorobenzene (EPA 624)	ug/L	-/-	ND < 0.35	U	ANR	ANR
1,4-Dichlorobenzene (EPA 625)	ug/L	-/-	ND < 2.5	*	ANR	ANR
1,4-Dichlorobenzene (EPA 624)	ug/L	-/-	ND < 0.37	U	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ND < 4.6	*	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ND < 3.6	*	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ND < 3.6	*	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ND < 8.1	*	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ND < 3.6	*	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ND < 2.0	*	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ND < 1.8	U	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ND < 3.0	*	ANR	ANR
2-Chlorophenol	ug/L	-/-	ND < 3.0	*	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ND < 4.1	*	ANR	ANR
2-Methylnaphthalene	ug/L	-/-	ND < 2.0	*	ANR	ANR
2-Methylphenol	ug/L	-/-	ND < 3.0	*	ANR	ANR
2-Nitrophenol	ug/L	-/-	ND < 3.6	*	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ND < 7.6	*	ANR	ANR
4,4'-DDD	ug/L	-/-	ND < 0.0020	UJ (C)	ANR	ANR

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4,4'-DDE	ug/L	-/-	ND < 0.0030	UJ (C)	ANR	ANR
4,4'-DDT	ug/L	-/-	ND < 0.0040	UJ (C)	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ND < 3.0	*	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ND < 2.5	*	ANR	ANR
4-Chloroaniline	ug/l	-/-	ND < 2.0	*	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ND < 2.5	*	ANR	ANR
4-Nitrophenol	ug/L	-/-	ND < 5.6	*	ANR	ANR
Acenaphthene	ug/L	-/-	ND < 3.0	*	ANR	ANR
Acenaphthylene	ug/L	-/-	ND < 3.0	*	ANR	ANR
Acrolein	ug/L	-/-	ND < 4.0	U	ANR	ANR
Acrylonitrile	ug/L	-/-	ND < 0.70	UJ (C)	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	100	*	ANR	ANR
Aldrin	ug/L	-/-	ND < 0.0015	UJ (C)	ANR	ANR
alpha-BHC	ug/L	-/-	ND < 0.0025	U	ANR	ANR
Aniline	ug/L	-/-	ND < 3.6	*	ANR	ANR
Anthracene	ug/L	-/-	ND < 2.5	*	ANR	ANR
Aroclor-1016	ug/L	-/-	ND < 0.25	U	ANR	ANR
Aroclor-1221	ug/L	-/-	ND < 0.25	U	ANR	ANR
Aroclor-1232	ug/L	-/-	ND < 0.25	U	ANR	ANR
Aroclor-1242	ug/L	-/-	ND < 0.25	U	ANR	ANR
Aroclor-1248	ug/L	-/-	ND < 0.25	U	ANR	ANR
Aroclor-1254	ug/L	-/-	ND < 0.25	U	ANR	ANR
Aroclor-1260	ug/L	-/-	ND < 0.25	U	ANR	ANR
Benzidine	ug/L	-/-	ND < 10	*	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ND < 2.5	*	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ND < 3.0	*	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ND < 2.0	*	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ND < 4.1	*	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ND < 2.5	*	ANR	ANR
Benzoic acid	ug/L	-/-	ND < 10	*	ANR	ANR
Benzyl alcohol	ug/L	-/-	ND < 3.6	*	ANR	ANR
beta-BHC	ug/L	-/-	ND < 0.0040	UJ (C)	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ND < 3.0	*	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ND < 4.1	*	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ND < 3.0	*	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ND < 2.5	*	ANR	ANR
Bromodichloromethane	ug/L	-/-	ND < 0.30	U	ANR	ANR
Bromoform	ug/L	-/-	ND < 0.40	U	ANR	ANR
Bromomethane	ug/L	-/-	ND < 0.42	U	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ND < 4.1	*	ANR	ANR
Chlordane	ug/L	-/-	ND < 0.040	U	ANR	ANR
Chlorobenzene	ug/L	-/-	ND < 0.36	U	ANR	ANR
Chloroethane	ug/L	-/-	ND < 0.40	U	ANR	ANR
Chloromethane	ug/L	-/-	ND < 0.40	U	ANR	ANR
Chlorpyrifos	ug/L	-/-	ND < 0.10	U	ANR	ANR
Chronic Toxicity	TUC	1.0/-	1.0	*	1.0	*
Chrysene	ug/L	-/-	ND < 2.5	*	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ND < 0.22	U	ANR	ANR
delta-BHC	ug/L	-/-	ND < 0.0035	UJ (C)	ANR	ANR

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Diazinon	ug/L	-/-	ND < 0.24	U	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ND < 3.0	*	ANR	ANR
Dibenzofuran	ug/L	-/-	ND < 4.1	*	ANR	ANR
Dibromochloromethane	ug/L	-/-	ND < 0.40	U	ANR	ANR
Dieldrin	ug/L	-/-	ND < 0.0020	UJ (C)	ANR	ANR
Diethylphthalate	ug/L	-/-	ND < 3.6	*	ANR	ANR
Dimethylphthalate	ug/L	-/-	ND < 2.5	*	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ND < 3.0	*	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ND < 3.6	*	ANR	ANR
Endosulfan I	ug/L	-/-	ND < 0.0020	UJ (C)	ANR	ANR
Endosulfan II	ug/L	-/-	ND < 0.0030	UJ (C)	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ND < 0.0030	UJ (C)	ANR	ANR
Endrin	ug/L	-/-	ND < 0.0020	U	ANR	ANR
Endrin aldehyde	ug/L	-/-	ND < 0.0020	UJ (C)	ANR	ANR
Endrin ketone	ug/L	-/-	ND < 0.0030	UJ (C)	ANR	ANR
Fluoranthene	ug/L	-/-	ND < 3.0	*	ANR	ANR
Fluorene	ug/L	-/-	ND < 3.0	*	ANR	ANR
Heptachlor	ug/L	-/-	ND < 0.0030	UJ (C)	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ND < 0.0025	UJ (C)	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ND < 3.0	*	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ND < 4.1	*	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ND < 5.1	*	ANR	ANR
Hexachloroethane	ug/L	-/-	ND < 3.6	*	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ND < 3.6	*	ANR	ANR
Isophorone	ug/L	-/-	ND < 3.0	*	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ND < 0.0030	UJ (C)	ANR	ANR
Methoxychlor	ug/L	-/-	ND < 0.0035	UJ (C)	ANR	ANR
Methylene Chloride	ug/L	-/-	ND < 0.95	U	ANR	ANR
m-Nitroaniline	ug/L	-/-	ND < 3.0	*	ANR	ANR
Naphthalene	ug/L	-/-	ND < 3.0	*	ANR	ANR
Nitrobenzene	ug/L	-/-	ND < 3.0	*	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ND < 2.5	*	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ND < 3.6	*	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ND < 2.0	*	ANR	ANR
o-Nitroaniline	ug/L	-/-	ND < 2.0	*	ANR	ANR
p-Cresol	ug/L	-/-	ND < 3.0	*	ANR	ANR
Pentachlorophenol	ug/L	-/-	ND < 3.6	*	ANR	ANR
Phenanthrene	ug/L	-/-	ND < 3.6	*	ANR	ANR
Phenol	ug/L	-/-	ND < 2.0	*	ANR	ANR
p-Nitroaniline	ug/L	-/-	ND < 4.1	*	ANR	ANR
Pyrene	ug/L	-/-	ND < 4.1	*	ANR	ANR
Toxaphene	ug/L	-/-	ND < 0.25	U	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ND < 0.30	U	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ND < 0.32	UJ (C)	ANR	ANR

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Sample Date February 6, 2009

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	5.26E-05	--	0.01	5.26E-07
1,2,3,4,6,7,8-HpCDF	0.00E+00	2.50E-05	8.11E-06	J (DNQ)	0.01	ND
1,2,3,4,7,8,9-HpCDF	1.90E-06	2.50E-05	ND	U	0.01	ND
1,2,3,4,7,8-HxCDD	1.75E-06	2.50E-05	ND	U	0.1	ND
1,2,3,4,7,8-HxCDF	8.21E-07	2.50E-05	ND	U	0.1	ND
1,2,3,6,7,8-HxCDD	1.75E-06	2.50E-05	ND	U	0.1	ND
1,2,3,6,7,8-HxCDF	8.14E-07	2.50E-05	ND	U	0.1	ND
1,2,3,7,8,9-HxCDD	1.69E-06	2.50E-05	ND	U	0.1	ND
1,2,3,7,8,9-HxCDF	1.30E-06	2.50E-05	ND	U	0.1	ND
1,2,3,7,8-PeCDD	1.09E-06	2.50E-05	ND	U	1	ND
1,2,3,7,8-PeCDF	6.93E-07	2.50E-05	ND	U	0.05	ND
2,3,4,6,7,8-HxCDF	7.40E-07	2.50E-05	ND	U	0.1	ND
2,3,4,7,8-PeCDF	6.63E-07	2.50E-05	ND	U	0.5	ND
2,3,7,8-TCDD	5.12E-07	5.00E-06	ND	U	1	ND
2,3,7,8-TCDF	4.14E-07	5.00E-06	ND	U	0.1	ND
OCDD	0.00E+00	5.00E-05	8.85E-04	--	0.0001	8.85E-08
OCDF	0.00E+00	5.00E-05	2.51E-05	J (DNQ)	0.0001	ND
TCDD TEQ w/out DNQ Values						6.15E-07

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

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Sample Date February 16, 2009

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	3.12E-05	--	0.01	3.12E-07
1,2,3,4,6,7,8-HpCDF	0.00E+00	2.50E-05	4.19E-06	J (DNQ)	0.01	ND
1,2,3,4,7,8,9-HpCDF	1.42E-06	2.50E-05	ND	U	0.01	ND
1,2,3,4,7,8-HxCDD	1.32E-06	2.50E-05	ND	U	0.1	ND
1,2,3,4,7,8-HxCDF	6.04E-07	2.50E-05	ND	U	0.1	ND
1,2,3,6,7,8-HxCDD	1.27E-06	2.50E-05	ND	U	0.1	ND
1,2,3,6,7,8-HxCDF	6.62E-07	2.50E-05	ND	U	0.1	ND
1,2,3,7,8,9-HxCDD	1.25E-06	2.50E-05	ND	U	0.1	ND
1,2,3,7,8,9-HxCDF	1.03E-06	2.50E-05	ND	U	0.1	ND
1,2,3,7,8-PeCDD	8.38E-07	2.50E-05	ND	U	1	ND
1,2,3,7,8-PeCDF	4.87E-07	2.50E-05	ND	U	0.05	ND
2,3,4,6,7,8-HxCDF	7.16E-07	2.50E-05	ND	U	0.1	ND
2,3,4,7,8-PeCDF	4.75E-07	2.50E-05	ND	U	0.5	ND
2,3,7,8-TCDD	4.46E-07	5.00E-06	ND	U	1	ND
2,3,7,8-TCDF	3.50E-07	5.00E-06	ND	U	0.1	ND
OCDD	0.00E+00	5.00E-05	4.88E-04	--	0.0001	4.88E-08
OCDF	0.00E+00	5.00E-05	1.47E-05	J (DNQ)	0.0001	ND
TCDD TEQ w/out DNQ Values						3.61E-07

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

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			RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	2.2 ± 1.1	1.2	J (C,H,DNQ)	1.4 ± 1.1	1.6	UJ (H,C)
Gross Beta	pCi/L	50/-	13.7 ± 1.7	1.1	J (H)	7.2 ± 1.2	1.1	J (H)
Strontium-90	pCi/L	8.0/-	0.21 ± 0.38	0.64	U	0.14 ± 0.25	0.43	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.58 ± 0.33	0.71	U	0.31 ± 0.43	0.69	U
Tritium	pCi/L	20000/-	20 ± 190	340	U	-10 ± 170	310	U
Uranium, Total	pCi/L	20/-	0.518 ± 0.059	0.42	J (DNQ)	0.594 ± 0.071	0.21	J (DNQ,H)
Potassium-40	pCi/L	-/-	-90 ± 770	280	U	-90 ± 3400	200	UJ (H)
Cesium 137	pCi/L	200/-	0.6 ± 7.5	14	U	1.1 ± 7.0	13	UJ (H)

OUTFALL 004 (SRE)

**ANNUAL 2009 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2009

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	2/6/2009		2/16/2009	
			Result	CONCENTRATION RESULT VALIDATION QUALIFIER	Result	CONCENTRATION RESULT VALIDATION QUALIFIER
Chloride	LBS/DAY	22,268/-	2.37	--	1.85	*
Fluoride	LBS/DAY	238/-	0.01	--	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	0.01	J (DNQ)	0.04	*
Oil & Grease	LBS/DAY	2227/-	ND	U	0.15	J* (DNQ)
Perchlorate	LBS/DAY	0.89/-	ND	U	ANR	ANR
Sulfate	LBS/DAY	37,113/-	1.04	--	0.62	*
Total Dissolved Solids	LBS/DAY	126,184/-	9.95	--	10.28	*
Antimony	LBS/DAY	0.89/-	ND	U (B)	0.00004	J* (DNQ)
Boron	LBS/DAY	148/-	ND	U	ANR	ANR
Cadmium	LBS/DAY	0.59/-	ND	U	ND	*
Copper	LBS/DAY	2.08/-	0.0002	--	0.0003	*
Lead	LBS/DAY	0.77/-	0.0001	--	0.0002	*
Mercury	LBS/DAY	0.02/-	ND	U (B)	0.000003	J (DNQ)
Nickel	LBS/DAY	14.9/-	0.0002	J (DNQ)	ANR	ANR
Thallium	LBS/DAY	0.3/-	ND	U	ND	C*
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	2.91E-11	--	3.71E-11	--

**BMP EFFECTIVENESS
OUTFALL 004 (SRE)**

**ANNUAL 2009 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2009

SAMPLE NAME	Sample Type	SAMPLE DATE	ANALYTE	UNITS	RESULT
004 EFF-1	Grab	02/05/09	Density	g/cc	1.0*
004 EFF-1	Grab	02/05/09	Sediment	mg/L	61*
004 EFF-2	Grab	02/05/09	Density	g/cc	1.0*
004 EFF-2	Grab	02/05/09	Sediment	mg/L	62*
004 EFF-3	Grab	02/05/09	Density	g/cc	1.0*
004 EFF-3	Grab	02/05/09	Sediment	mg/L	50*
004 EFF-4	Grab	02/05/09	Density	g/cc	1.0*
004 EFF-4	Grab	02/05/09	Sediment	mg/L	49*
004 EFF-5	Grab	02/05/09	Density	g/cc	1.0*
004 EFF-5	Grab	02/05/09	Sediment	mg/L	47*
004 EFF-6	Grab	02/05/09	Density	g/cc	1.0*
004 EFF-6	Grab	02/05/09	Sediment	mg/L	52*
004 EFF-7	Grab	02/05/09	Density	g/cc	1.0*
004 EFF-7	Grab	02/05/09	Sediment	mg/L	59*
004 EFF-8	Grab	02/06/09	Density	g/cc	1.0*
004 EFF-8	Grab	02/06/09	Sediment	mg/L	44*
004 EFF-9	Grab	02/06/09	Density	g/cc	1.0*
004 EFF-9	Grab	02/06/09	Sediment	mg/L	84*
004 EFF-10	Grab	02/06/09	Density	g/cc	0.99*
004 EFF-10	Grab	02/06/09	Sediment	mg/L	ND <10*
004 EFF-11	Grab	02/06/09	Density	g/cc	1.0*
004 EFF-11	Grab	02/06/09	Sediment	mg/L	ND <10*
004 EFF-12	Grab	02/06/09	Density	g/cc	1.0*
004 EFF-12	Grab	02/06/09	Sediment	mg/L	ND <10*
004 EFF-13	Grab	02/06/09	Density	g/cc	1.0*
004 EFF-13	Grab	02/06/09	Sediment	mg/L	13*
004 EFF-14	Grab	02/06/09	Density	g/cc	1.0*
004 EFF-14	Grab	02/06/09	Sediment	mg/L	30*
004 EFF-15	Grab	02/06/09	Density	g/cc	1.0*
004 EFF-15	Grab	02/06/09	Sediment	mg/L	55*
004 EFF-16	Grab	02/06/09	Density	g/cc	0.99*
004 EFF-16	Grab	02/06/09	Sediment	mg/L	57*
004 EFF-17	Grab	02/06/09	Density	g/cc	0.99*
004 EFF-17	Grab	02/06/09	Sediment	mg/L	68*
004 EFF-18	Grab	02/06/09	Density	g/cc	1.0*
004 EFF-18	Grab	02/06/09	Sediment	mg/L	75*

**BMP EFFECTIVENESS
OUTFALL 004 (SRE)**

**ANNUAL 2009 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2009

SAMPLE NAME	Sample Type	SAMPLE DATE	ANALYTE	UNITS	RESULT
004 EFF-19	Grab	02/06/09	Density	g/cc	1.0*
004 EFF-19	Grab	02/06/09	Sediment	mg/L	40*
004 EFF-20	Grab	02/06/09	Density	g/cc	1.0*
004 EFF-20	Grab	02/06/09	Sediment	mg/L	58*
004 EFF-21	Grab	02/06/09	Density	g/cc	1.0*
004 EFF-21	Grab	02/06/09	Sediment	mg/L	61*
004 EFF-22	Grab	02/06/09	Density	g/cc	1.0*
004 EFF-22	Grab	02/06/09	Sediment	mg/L	60*
004 EFF-23	Grab	02/06/09	Density	g/cc	1.0*
004 EFF-23	Grab	02/06/09	Sediment	mg/L	50*
004 EFF-24	Grab	02/06/09	Density	g/cc	1.0*
004 EFF-24	Grab	02/06/09	Sediment	mg/L	43*
004 EFF-1	Grab	02/16/09	Density	g/cc	1.0*
004 EFF-1	Grab	02/16/09	Sediment	mg/L	10*
004 EFF-2	Grab	02/16/09	Density	g/cc	1.0*
004 EFF-2	Grab	02/16/09	Sediment	mg/L	41*
004 EFF-3	Grab	02/16/09	Density	g/cc	1.0*
004 EFF-3	Grab	02/16/09	Sediment	mg/L	39*
004 EFF-4	Grab	02/16/09	Density	g/cc	0.99*
004 EFF-4	Grab	02/16/09	Sediment	mg/L	31*
004 EFF-5	Grab	02/16/09	Density	g/cc	1.0*
004 EFF-5	Grab	02/16/09	Sediment	mg/L	33*
004 EFF-6	Grab	02/16/09	Density	g/cc	0.99*
004 EFF-6	Grab	02/16/09	Sediment	mg/L	16*
004 EFF-7	Grab	02/16/09	Density	g/cc	1.0*
004 EFF-7	Grab	02/16/09	Sediment	mg/L	32*
004 EFF-8	Grab	02/16/09	Density	g/cc	1.0*
004 EFF-8	Grab	02/16/09	Sediment	mg/L	26*
004 EFF-9	Grab	02/16/09	Density	g/cc	1.0*
004 EFF-9	Grab	02/16/09	Sediment	mg/L	26*
004 EFF-10	Grab	02/16/09	Density	g/cc	1.0*
004 EFF-10	Grab	02/16/09	Sediment	mg/L	88*
004 EFF-11	Grab	02/16/09	Density	g/cc	0.99*
004 EFF-11	Grab	02/16/09	Sediment	mg/L	28*
004 EFF-12	Grab	02/16/09	Density	g/cc	1.0*
004 EFF-12	Grab	02/16/09	Sediment	mg/L	24*

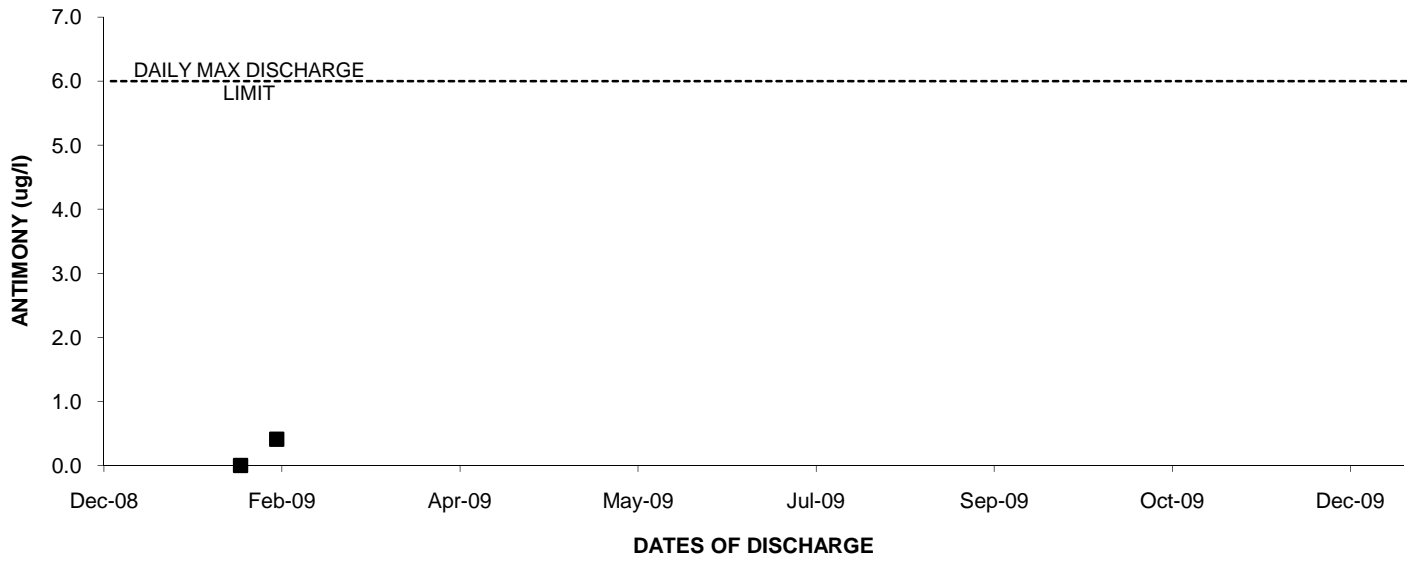
**BMP EFFECTIVENESS
OUTFALL 004 (SRE)**

**ANNUAL 2009 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

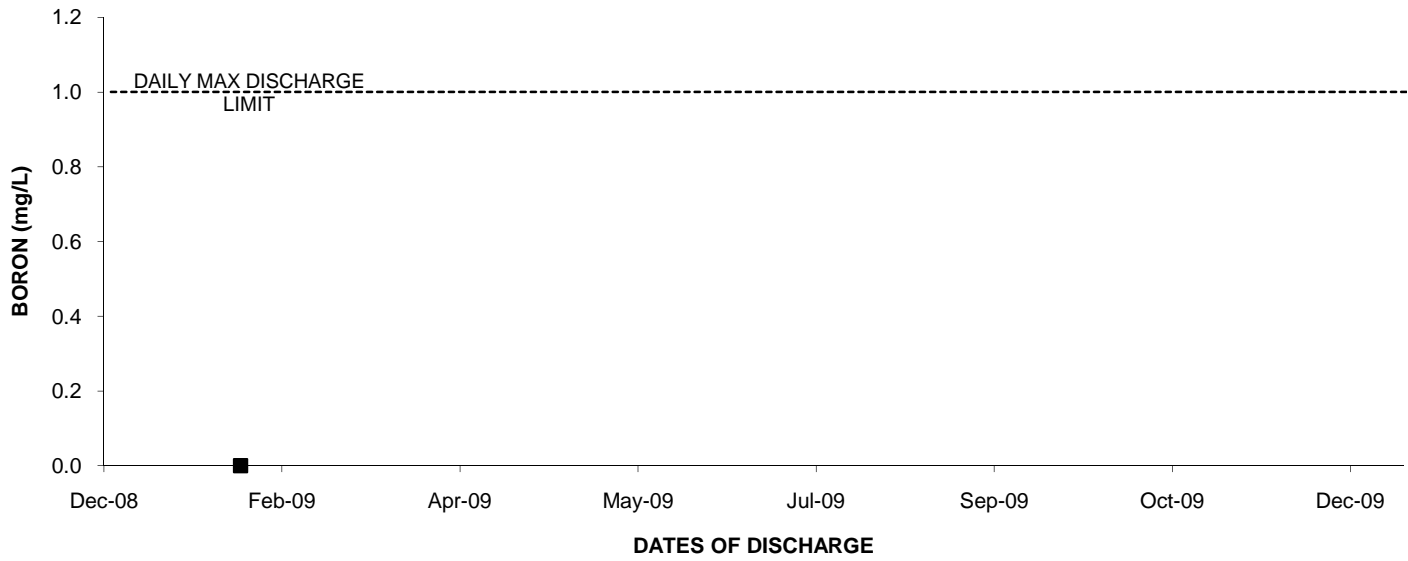
January 1 through December 31, 2009

SAMPLE NAME	Sample Type	SAMPLE DATE	ANALYTE	UNITS	RESULT
004 EFF-13	Grab	02/16/09	Density	g/cc	1.0*
004 EFF-13	Grab	02/16/09	Sediment	mg/L	19*
004 EFF-14	Grab	02/16/09	Density	g/cc	1.0*
004 EFF-14	Grab	02/16/09	Sediment	mg/L	31*
004 EFF-15	Grab	02/16/09	Density	g/cc	0.99*
004 EFF-15	Grab	02/16/09	Sediment	mg/L	23*
004 EFF-16	Grab	02/16/09	Density	g/cc	1.0*
004 EFF-16	Grab	02/16/09	Sediment	mg/L	17*
004 EFF-17	Grab	02/16/09	Density	g/cc	1.0*
004 EFF-17	Grab	02/16/09	Sediment	mg/L	28*
004 EFF-18	Grab	02/16/09	Density	g/cc	1.0*
004 EFF-18	Grab	02/16/09	Sediment	mg/L	26*
004 EFF-19	Grab	02/16/09	Density	g/cc	1.0*
004 EFF-19	Grab	02/16/09	Sediment	mg/L	13*
004 EFF-20	Grab	02/16/09	Density	g/cc	1.0*
004 EFF-20	Grab	02/16/09	Sediment	mg/L	32*
004 EFF-21	Grab	02/17/09	Density	g/cc	1.0*
004 EFF-21	Grab	02/17/09	Sediment	mg/L	35*
004 EFF-22	Grab	02/17/09	Density	g/cc	1.0*
004 EFF-22	Grab	02/17/09	Sediment	mg/L	26*
004 EFF-23	Grab	02/17/09	Density	g/cc	1.0*
004 EFF-23	Grab	02/17/09	Sediment	mg/L	29*
004 EFF-24	Grab	02/17/09	Density	g/cc	1.0*
004 EFF-24	Grab	02/17/09	Sediment	mg/L	29*

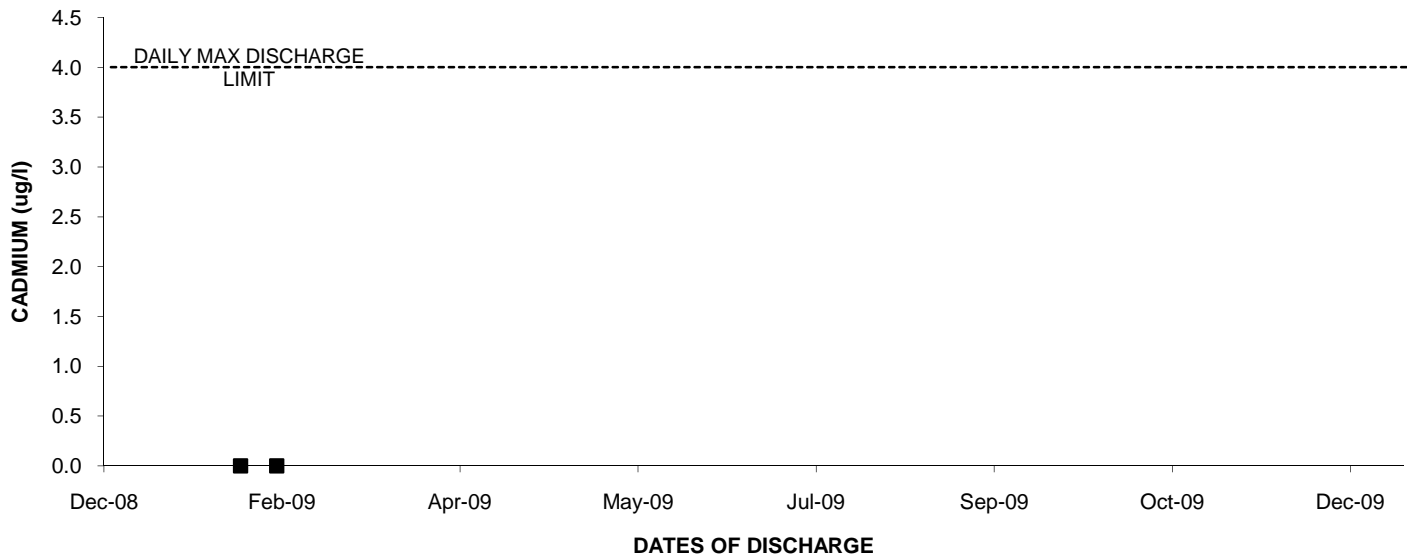
2009: OUTFALL 004 ANTIMONY



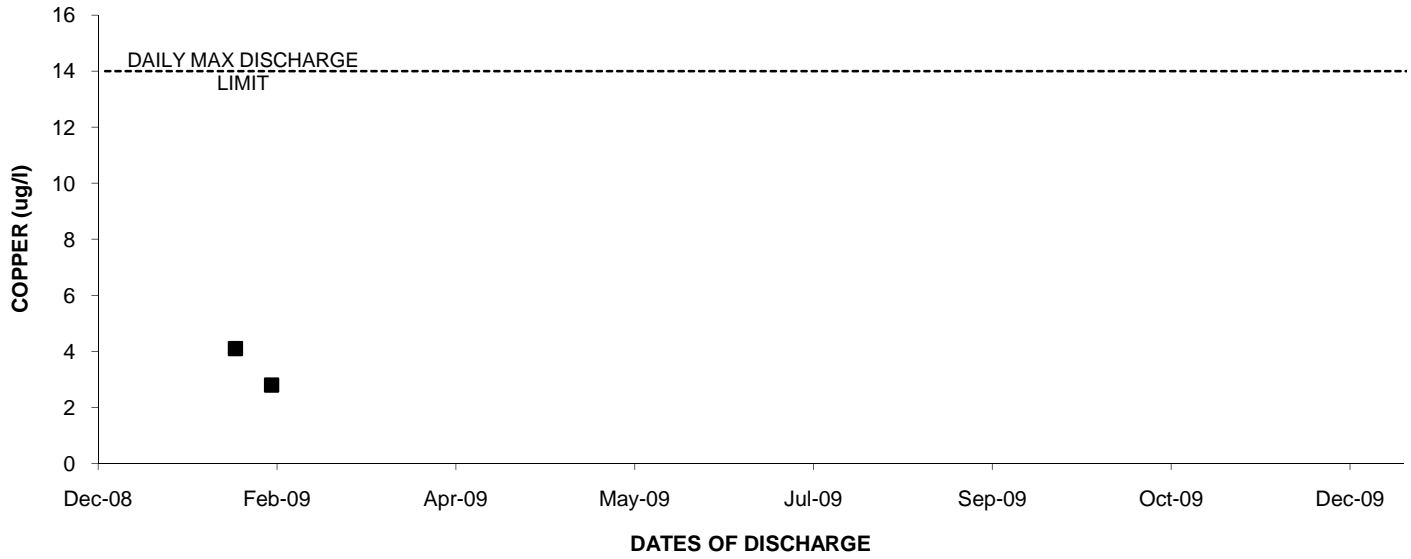
2009: OUTFALL 004 BORON



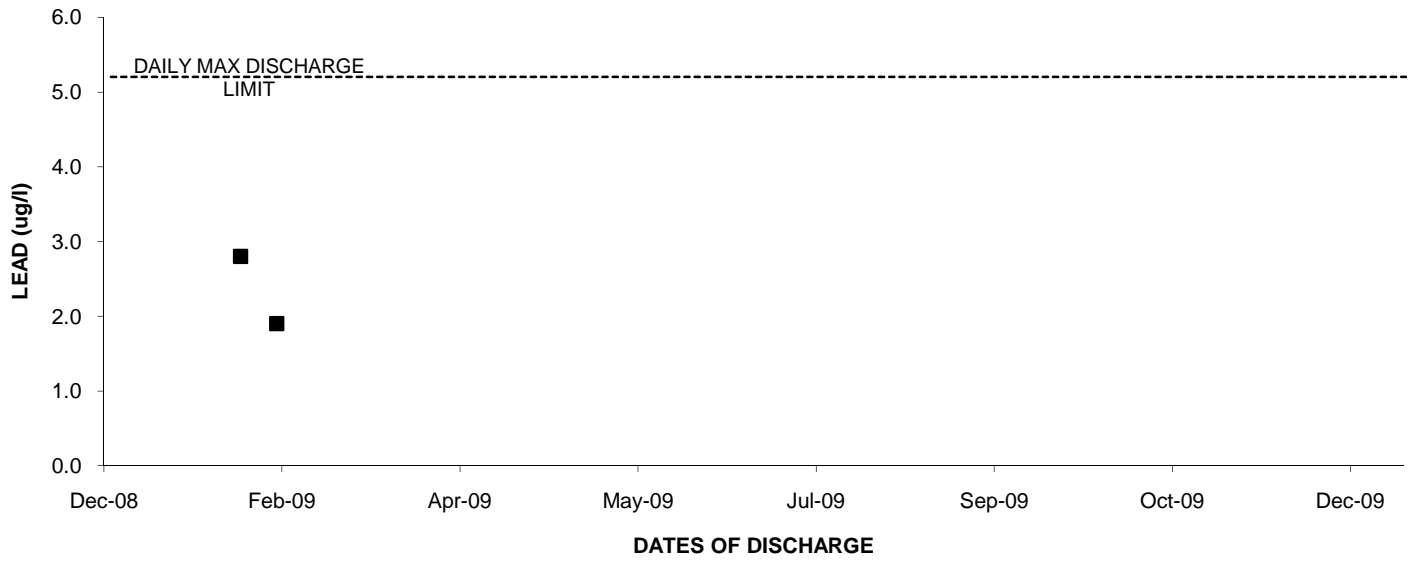
2009: OUTFALL 004 CADMIUM



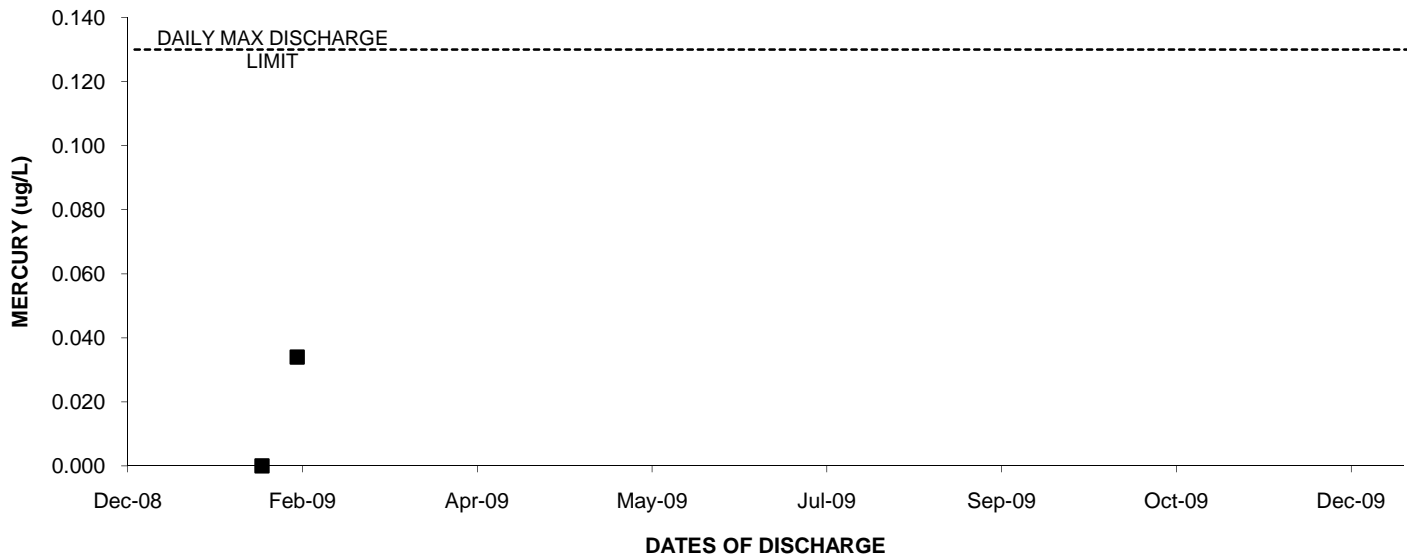
2009: OUTFALL 004 COPPER



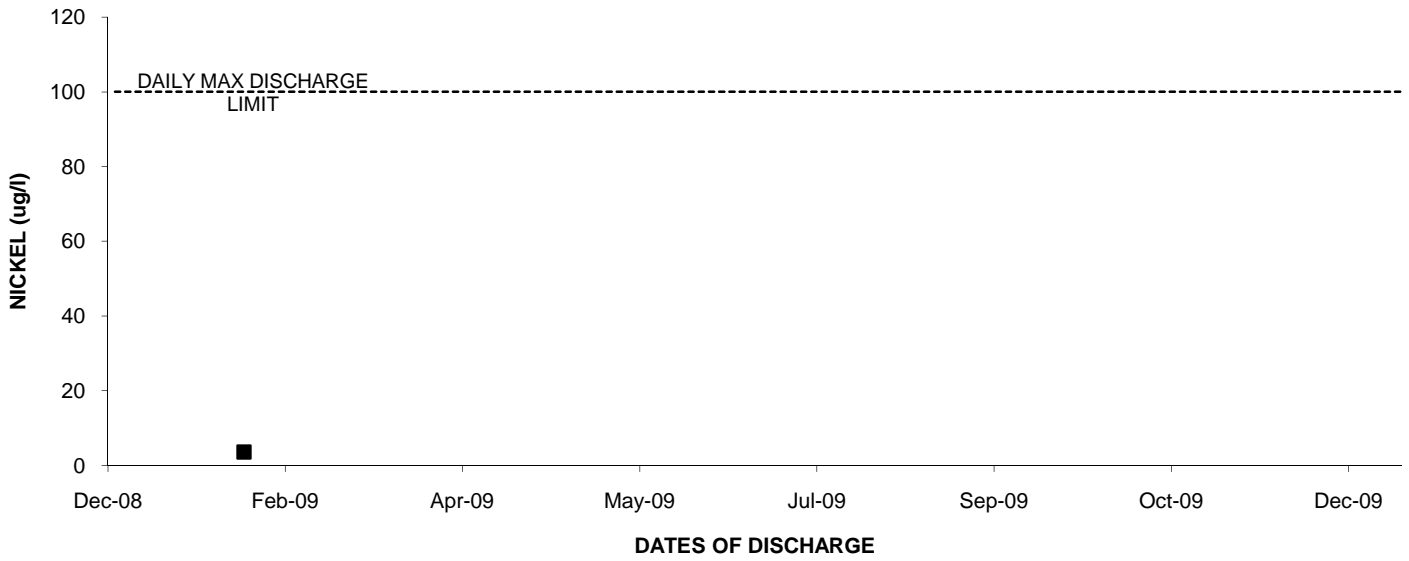
2009: OUTFALL 004 LEAD



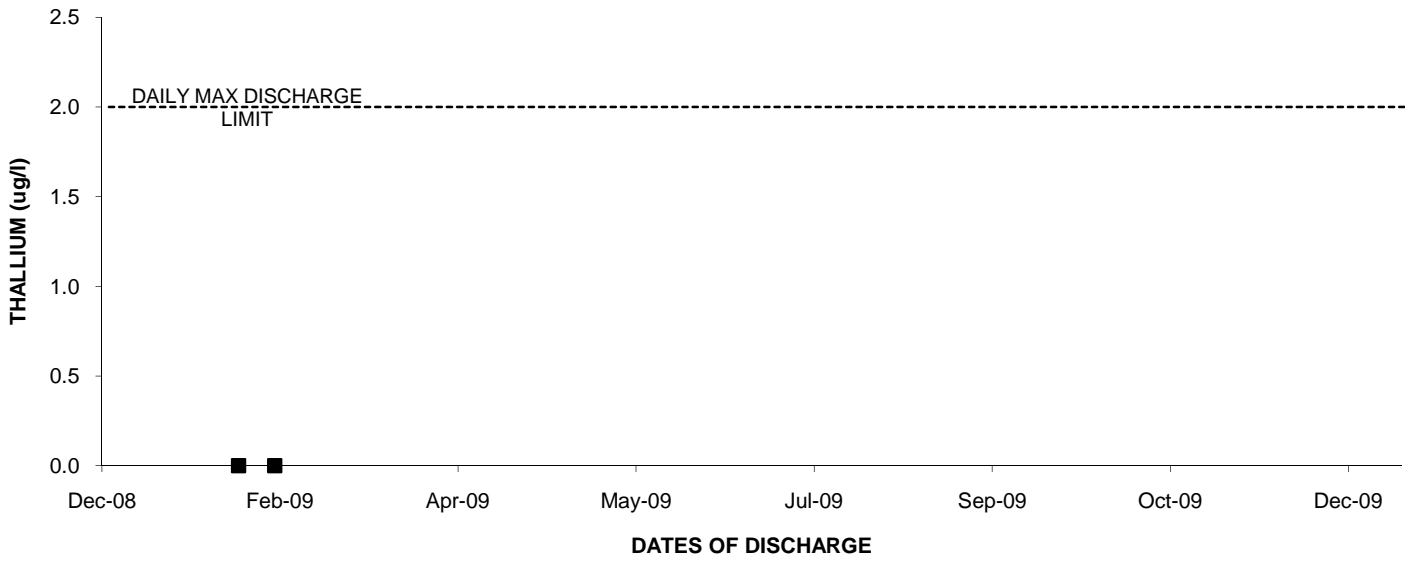
2009: OUTFALL 004 MERCURY



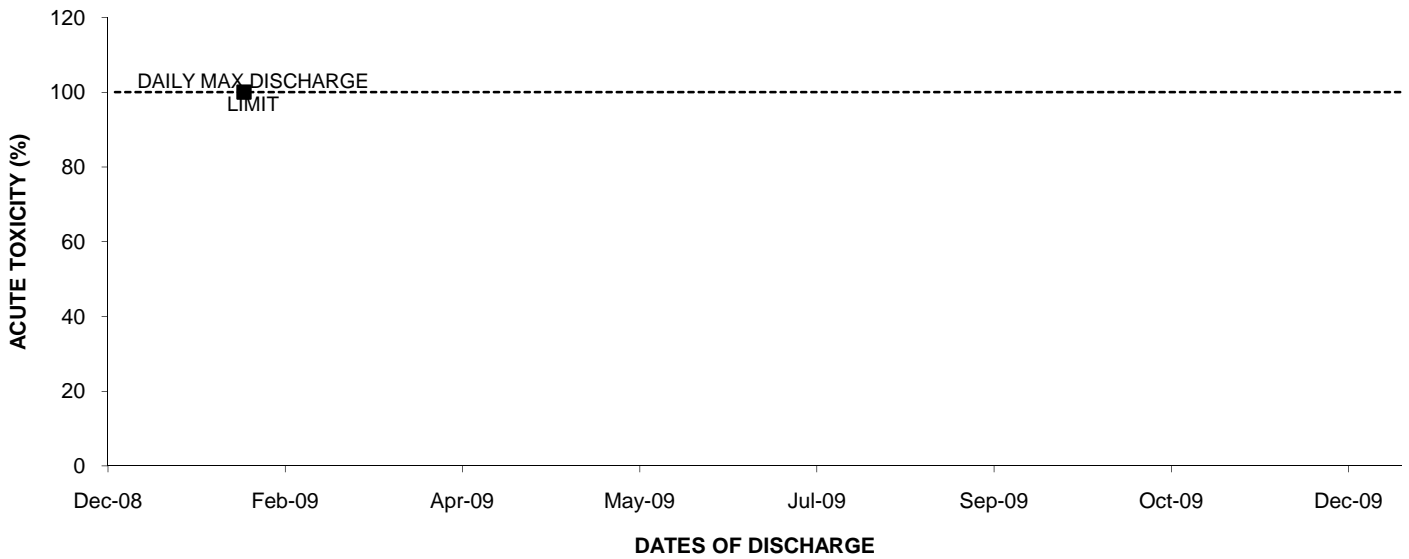
2009: OUTFALL 004 NICKEL



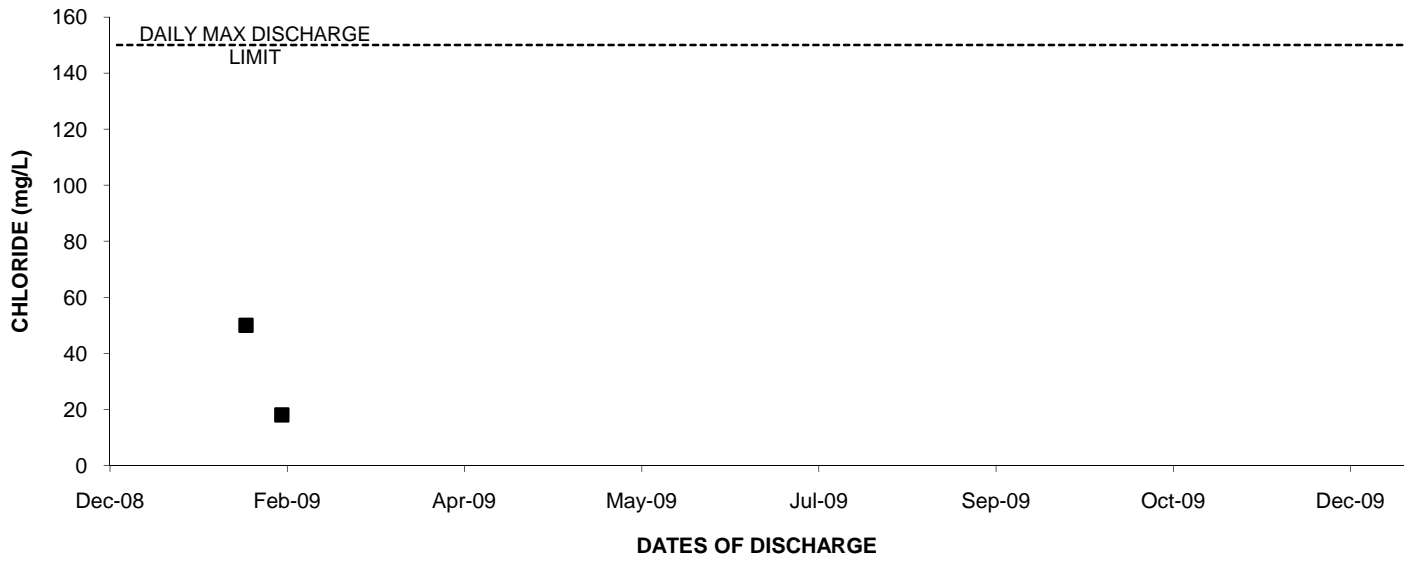
2009: OUTFALL 004 THALLIUM



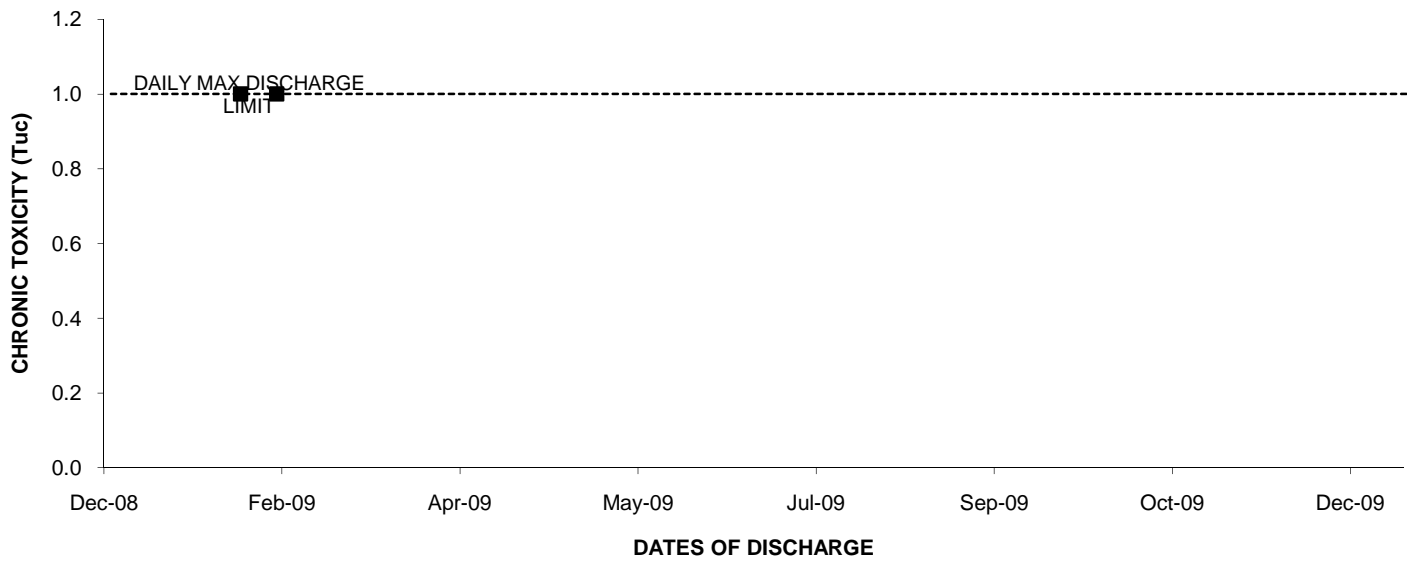
2009: OUTFALL 004 ACUTE TOXICITY



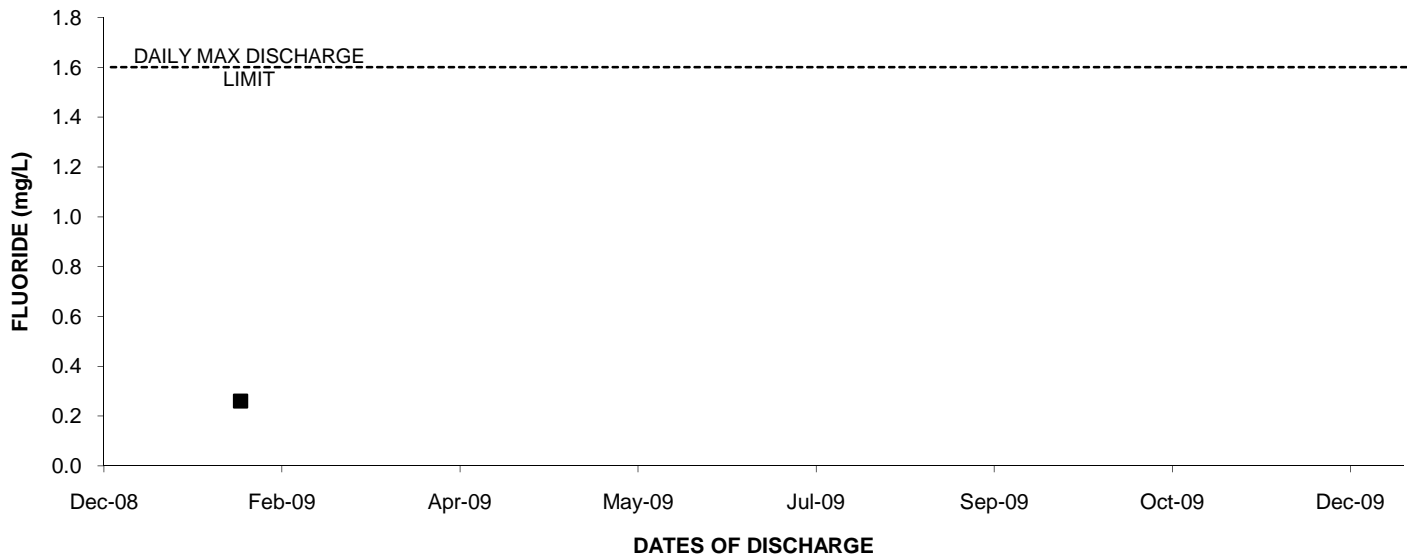
2009: OUTFALL 004 CHLORIDE



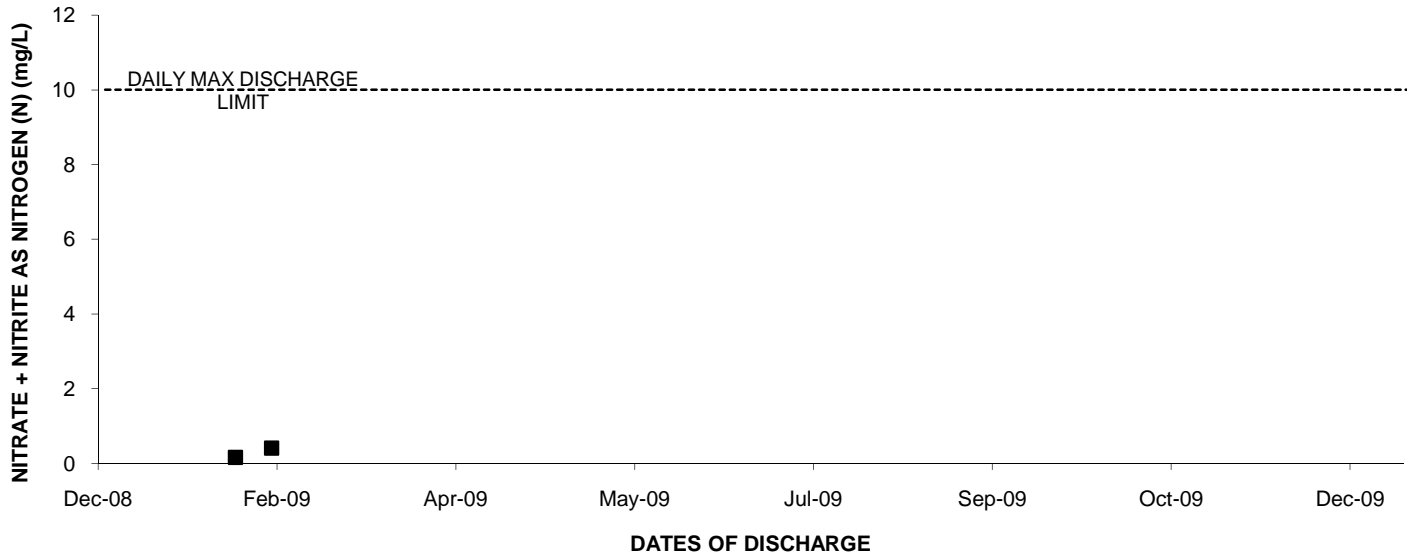
2009: OUTFALL 004 CHRONIC TOXICITY



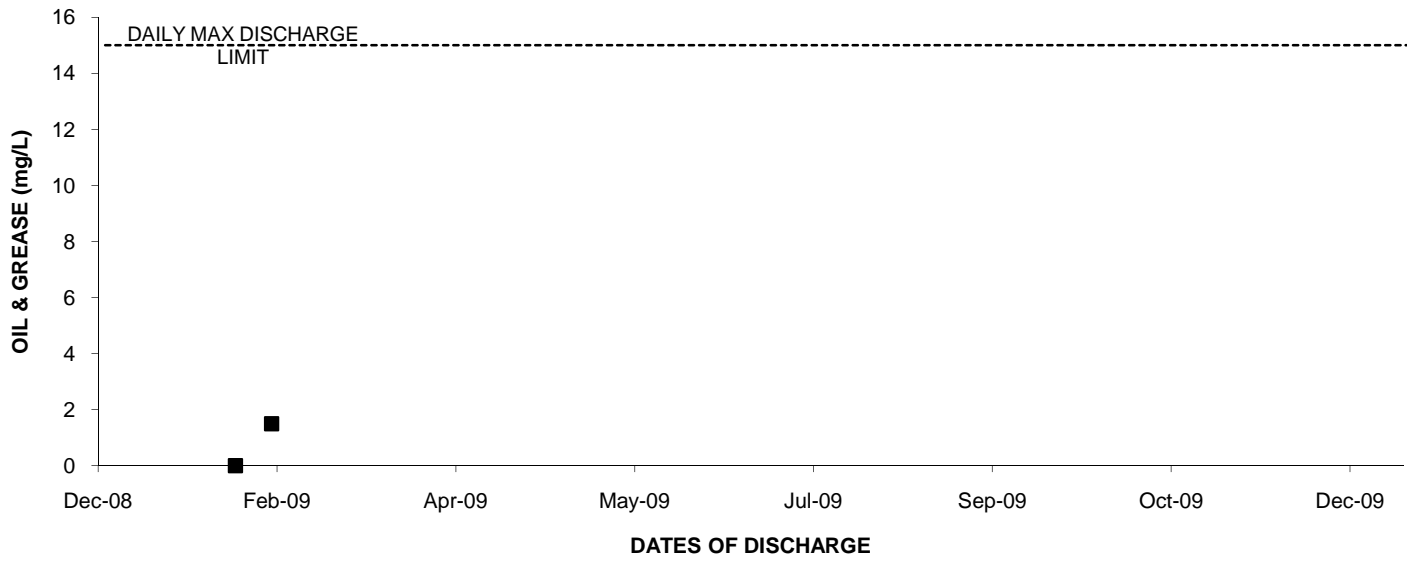
2009: OUTFALL 004 FLUORIDE



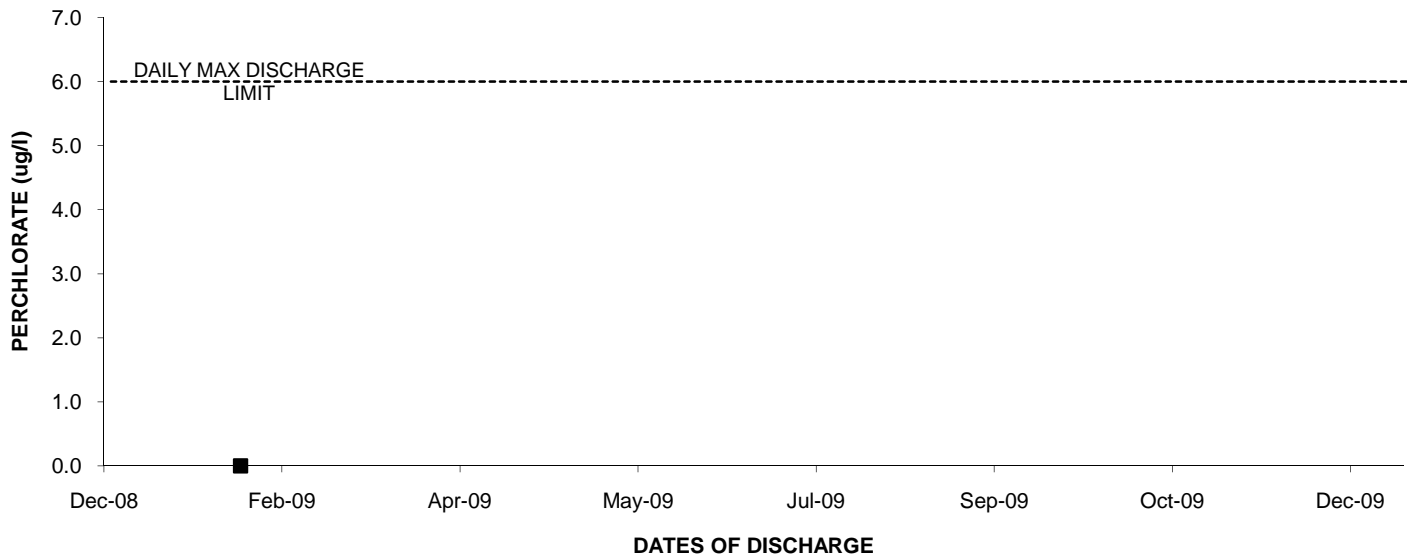
2009: OUTFALL 004 NITRATE + NITRITE AS NITROGEN (N)



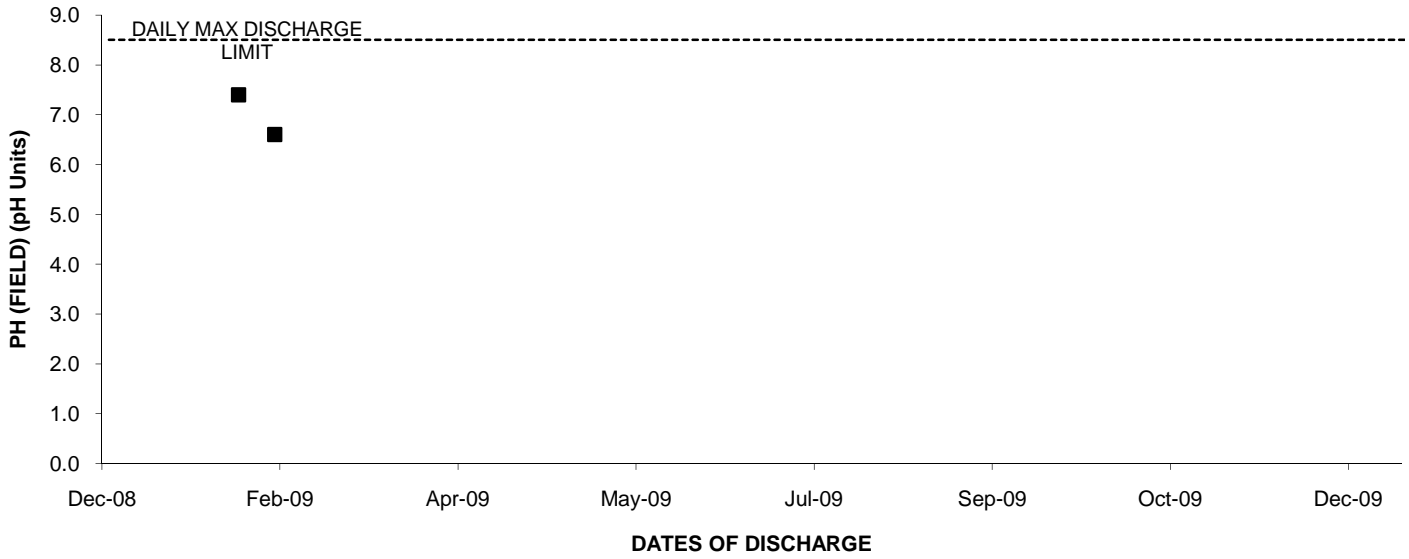
2009: OUTFALL 004 OIL & GREASE



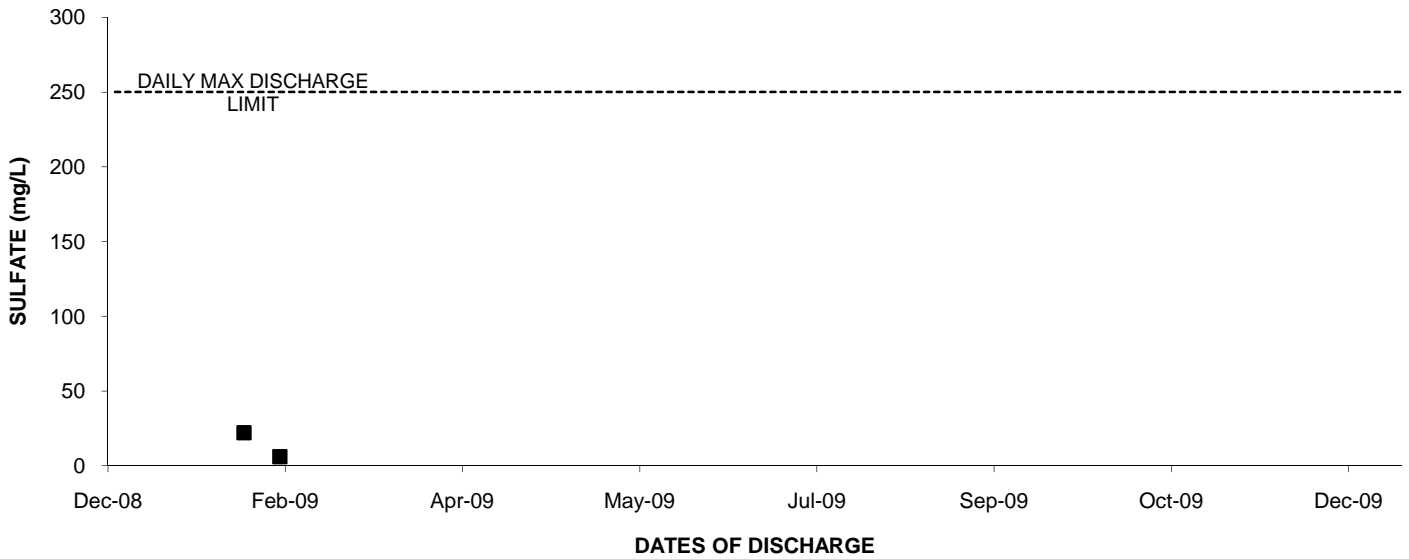
2009: OUTFALL 004 PERCHLORATE



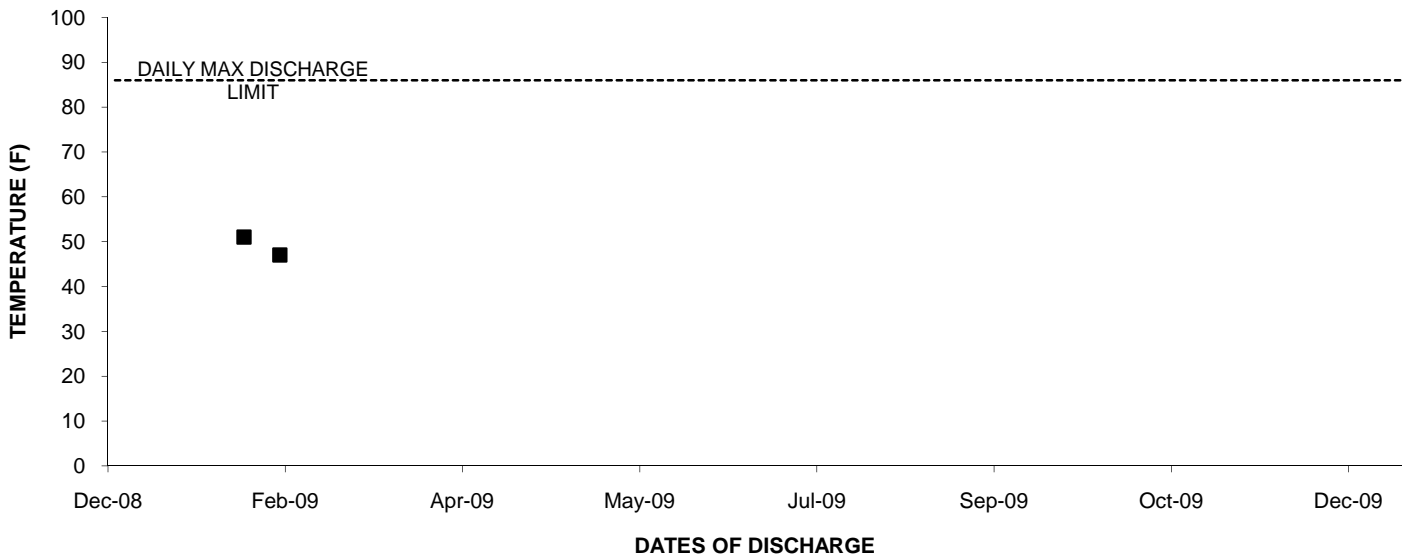
2009: OUTFALL 004 PH (FIELD)



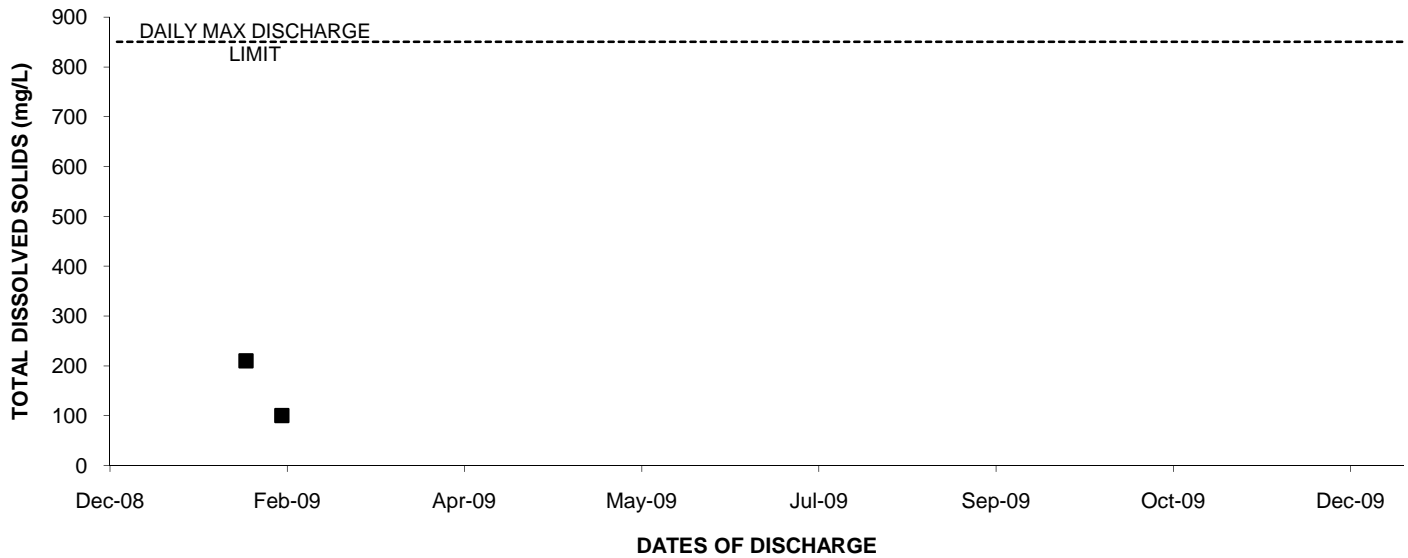
2009: OUTFALL 004 SULFATE



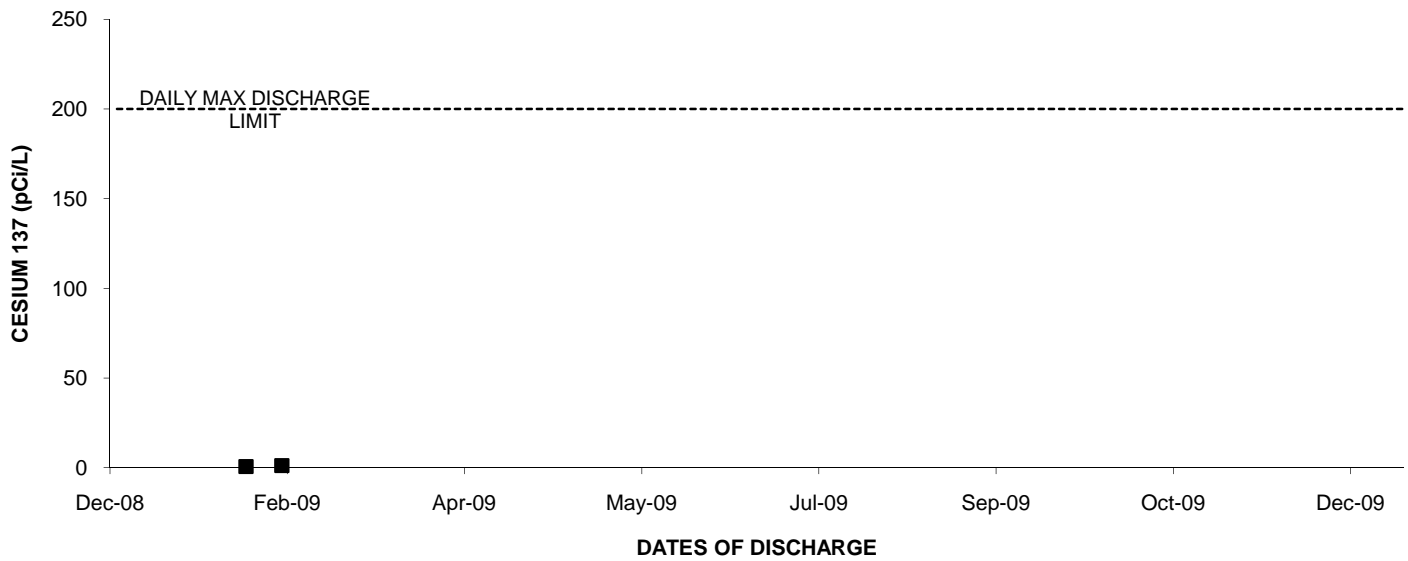
2009: OUTFALL 004 TEMPERATURE



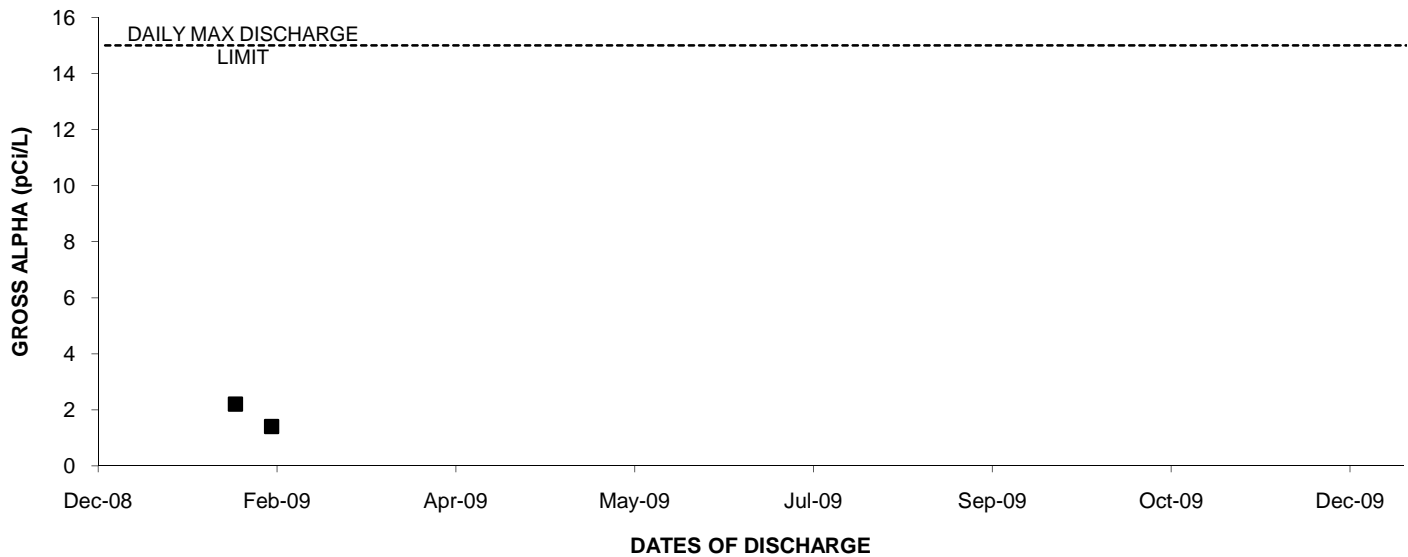
2009: OUTFALL 004 TOTAL DISSOLVED SOLIDS



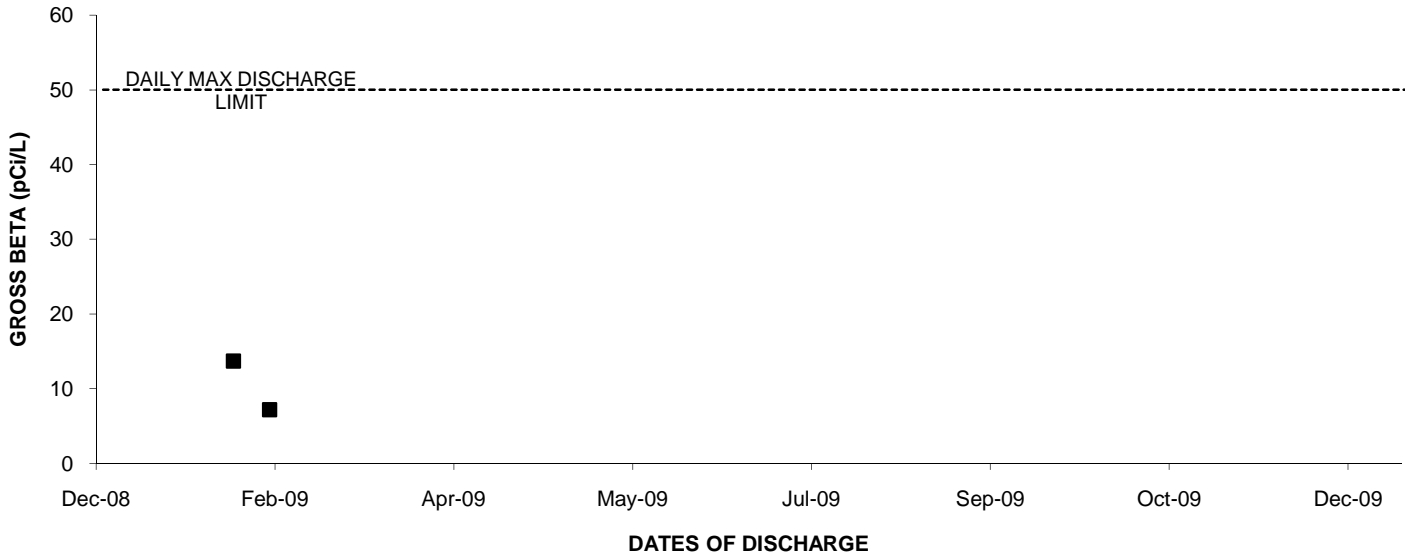
2009: OUTFALL 004 CESIUM 137



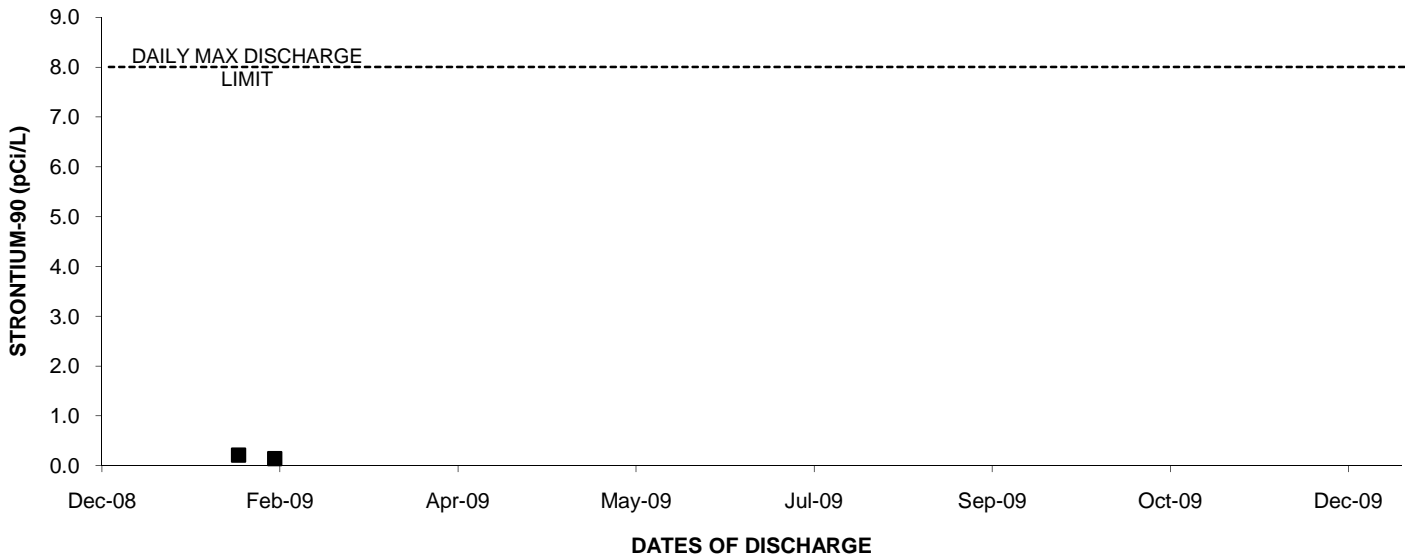
2009: OUTFALL 004 GROSS ALPHA



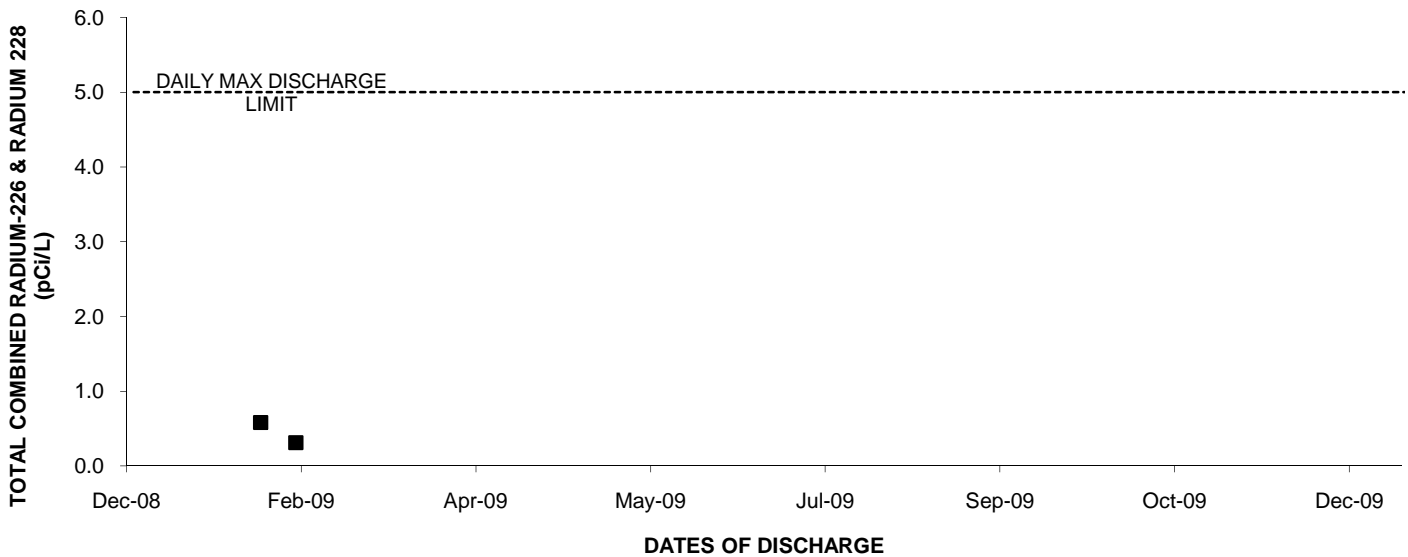
2009: OUTFALL 004 GROSS BETA



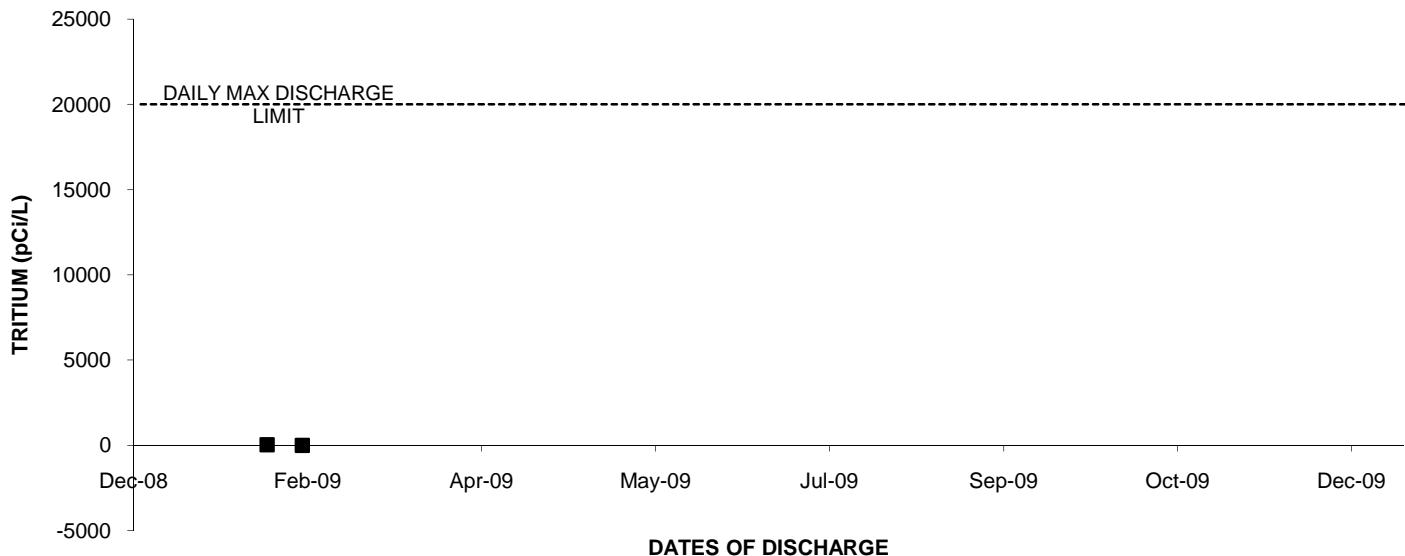
2009: OUTFALL 004 STRONTIUM-90



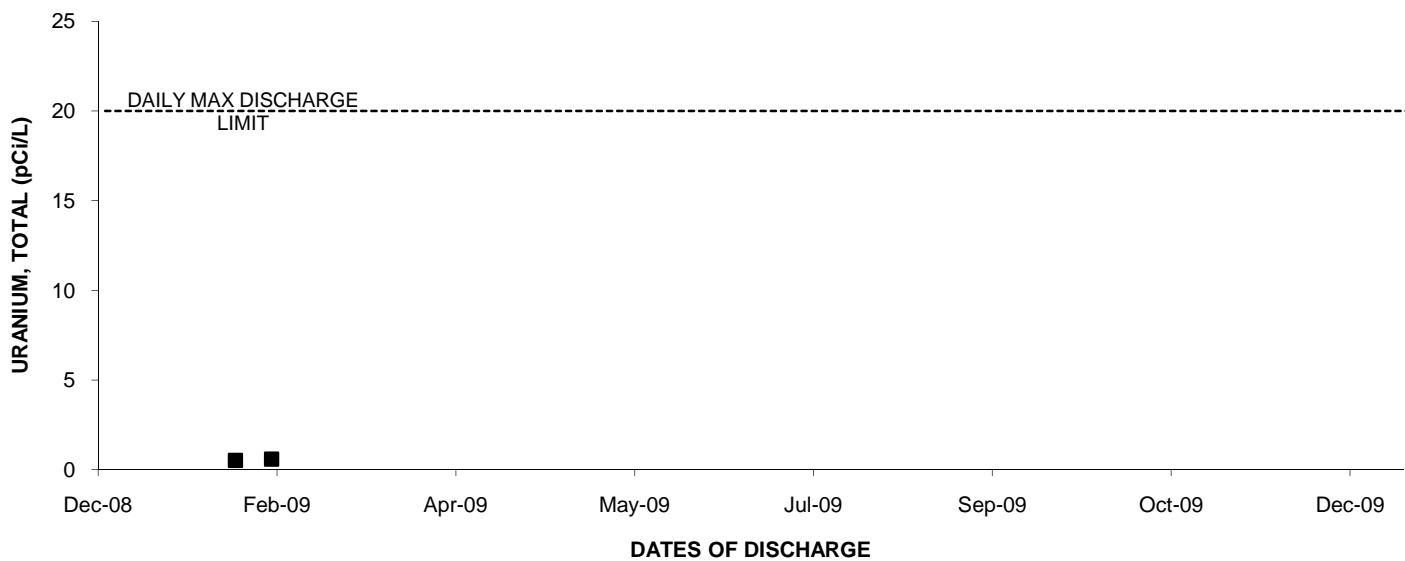
2009: OUTFALL 004 TOTAL COMBINED RADIUM-226 & RADIUM 228



2009: OUTFALL 004 TRITIUM



2009: OUTFALL 004 URANIUM, TOTAL



2009: Outfall 004TCDD

