

SECTION 4

OUTFALL 006 (FSDF-2)
ANNUAL 2010 REPORTING SUMMARY

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OUTFALL 006 (FSDF-2)

**ANNUAL 2010 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1, 2010 through July 18, 2010

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	1/18/2010-1/19/2010			3/8/2010		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chloride	mg/L	150/-	Comp	4.6	*	Comp	7.3	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	Comp	0.14	B*
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	3.4	*	Comp	2.7	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	Comp	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.3	--	Grab	7.6	*
Sulfate	mg/L	250/-	Comp	5.3	*	Comp	20	*
Temperature	deg. F	86/-	Grab	54	--	Grab	51	*
Total Cyanide	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	Comp	120	*	Comp	240	*
Hardness	mg/L	-/-	ANR	ANR	ANR	Comp	150	--
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	140	--
Total Suspended Solids	mg/L	-/-	ANR	ANR	ANR	Comp	13	--
Volume Discharged	MGD	17.8/-	Meas	0.052915	*	Meas	0.001715	*
METALS								
Aluminum	ug/L	-/-	ANR	ANR	ANR	Comp	200	--
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 40	U
Antimony	ug/L	6.0/-	Comp	ND < 0.30	*	Comp	0.45	Ja* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	ND < 0.30	*	Comp	0.46	Ja* (DNQ)
Arsenic	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 7.0	U
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 7.0	U
Beryllium	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.90	U
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.90	U
Boron	mg/L	1.0/-	ANR	ANR	ANR	Comp	0.055	--
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	0.057	--
Cadmium	ug/L	4.0/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR	Comp	51	--
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	51	--
Chromium	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.0	U
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	4.6	J (DNQ)
Chromium VI	ug/L	-/-	ANR	ANR	ANR	Grab	0.83	J (DNQ)
Copper	ug/L	14.0/-	Comp	4.7	*	Comp	1.8	Ja* (DNQ)
Copper, dissolved	ug/L	-/-	Comp	1.7	Ja* (DNQ)	Comp	1.4	Ja* (DNQ)
Iron	mg/L	-/-	ANR	ANR	ANR	Comp	0.14	--
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	0.016	J (DNQ)
Lead	ug/L	5.2/-	Comp	2.8	*	Comp	0.49	Ja* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	C*	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR	Comp	4.1	--
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	4.1	--
Mercury	ug/L	0.13/-	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	100/-	ANR	ANR	ANR	Comp	ND < 2.0	U
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	10	--
Selenium	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 18	U (\$)
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 8.0	U
Silver	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 6.0	u
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 6.0	U
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	C*	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR	Comp	3.7	J (DNQ)

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SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1, 2010 through July 18, 2010

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	1/18/2010-1/19/2010			3/8/2010		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	3.4	J (DNQ)
Zinc	ug/L	-/-	ANR	ANR	ANR	Comp	7.7	J (DNQ)
Zinc, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 6.0	U
ORGANICS								
Benzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.42	*
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	-/-	ANR	ANR	ANR	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.50	*
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	*
ADDITIONAL ANALYTES								
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	*
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	*
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.32	*
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.35	*
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	*
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.35	*
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.37	*
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	*
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 4.3	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.4	*
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.4	*
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 7.7	*
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.4	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.9	*
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 1.8	*
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.8	*
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.4	*
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 7.2	*
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0019	*
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0028	*
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0038	*
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	*
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	*
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 5.3	*
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*

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January 1, 2010 through July 18, 2010

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	1/18/2010-1/19/2010			3/8/2010		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Acrolein	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 4.0	*
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 1.2	*
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	Grab	100	--
Aldrin	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0014	*
alpha-BHC	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	*
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	*
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	*
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	*
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	*
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	*
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	*
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	*
Benazidone	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 9.6	L6*
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	*
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.9	*
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.8	*
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	*
beta-BHC	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0038	*
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.8	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	*
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	*
Bromoform	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	*
Bromomethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.42	*
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.8	*
Chlordane	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.038	*
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.36	*
Chloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	*
Chloromethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	*
Chlorpyrifos	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0096	UJ (H,*III)
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	*
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.22	*
delta-BHC	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0033	*
Diazinon	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.096	UJ (H,*III)
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*
Dibenzofuran	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.8	*
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	*
Dieldrin	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0019	*
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.4	*
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	*
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.4	*
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0019	*
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0028	*
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0028	*
Endrin	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0019	*
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0019	*
Endrin ketone	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0028	*

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January 1, 2010 through July 18, 2010

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	1/18/2010-1/19/2010			3/8/2010		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*
Fluorene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*
Heptachlor	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0028	*
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0024	*
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.8	*
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 4.8	*
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.4	*
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.4	*
Isophorone	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0028	*
Methoxychlor	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0033	*
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.95	*
Naphthalene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.9	*
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.4	*
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.9	*
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.4	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.4	*
Phenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.9	*
Pyrene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.8	*
Toxaphene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	*
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	*
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.32	*

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**ANNUAL 2010 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

July 19, 2010 through December 31, 2010

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/20/2010			12/26/2010		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chloride	mg/L	150/-	Comp	79	*	Comp	5.4	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	0.42	*	Comp	1.2	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	Grab	ND < 1.3	*
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	7.4	*
Sulfate	mg/L	250/-	Comp	18	*	Comp	4.7	*
Temperature	deg. F	86/-	Grab	48	*	Grab	50	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	Comp	280	*	Comp	120	*
Total Suspended Solids	mg/L	-/-	Comp	29	--	Comp	4.0	J (DNQ)
Volume Discharged	MGD	17.8/-	NA	0.03053	*	NA	0.025875	*
METALS								
Aluminum	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	0.44	J* (DNQ)	Comp	0.34	Ja* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	0.60	J* (DNQ)	Comp	0.32	Ja* (DNQ)
Arsenic	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Chromium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	2.55	*	Comp	2.98	*
Copper, dissolved	ug/L	-/-	Comp	0.969	J* (DNQ)	Comp	1.14	Ja* (DNQ)
Iron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	1.6	*	Comp	0.88	Ja* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Mercury	ug/L	0.13/-	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	100/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ORGANICS								
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

OUTFALL 006 (FSDF-2)

**ANNUAL 2010 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

July 19, 2010 through December 31, 2010

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/20/2010			12/26/2010		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
ADDITIONAL ANALYTES								
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-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
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
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	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

OUTFALL 006 (FSDF-2)

**ANNUAL 2010 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

July 19, 2010 through December 31, 2010

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/20/2010			12/26/2010		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
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/-	Comp	1.0	*	Comp	1.0	*
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
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
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
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

OUTFALL 006 (FSDF-2)

**ANNUAL 2010 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Sample Type: Composite

Sample Date: January 18-19, 2010

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	1.40E-05	4.70E-05	8.40E-05	--	0.01	8.40E-07
1,2,3,4,6,7,8-HpCDF	8.20E-06	4.70E-05	7.40E-05	--	0.01	7.40E-07
1,2,3,4,7,8,9-HpCDF	1.30E-05	4.70E-05	ND	U	0.01	ND
1,2,3,4,7,8-HxCDD	8.70E-06	4.70E-05	ND	U	0.1	ND
1,2,3,4,7,8-HxCDF	7.00E-06	5.50E-06	ND	UJ (*III)	0.1	ND
1,2,3,6,7,8-HxCDD	7.10E-06	4.70E-05	ND	U	0.1	ND
1,2,3,6,7,8-HxCDF	6.20E-06	4.70E-05	ND	U	0.1	ND
1,2,3,7,8,9-HxCDD	6.20E-06	4.70E-05	ND	U	0.1	ND
1,2,3,7,8,9-HxCDF	7.00E-06	4.70E-05	ND	U	0.1	ND
1,2,3,7,8-PeCDD	1.20E-05	4.70E-05	ND	U	1	ND
1,2,3,7,8-PeCDF	6.00E-06	4.70E-05	ND	U	0.05	ND
2,3,4,6,7,8-HxCDF	6.10E-06	4.70E-05	ND	U (B)	0.1	ND
2,3,4,7,8-PeCDF	6.50E-06	4.70E-05	ND	U	0.5	ND
2,3,7,8-TCDD	4.70E-06	9.40E-06	ND	U	1	ND
2,3,7,8-TCDF	2.80E-06	9.40E-06	ND	U	0.1	ND
OCDD	2.10E-05	9.40E-05	7.70E-04	--	0.0001	7.70E-08
OCDF	2.70E-05	9.40E-05	2.90E-04	--	0.0001	2.90E-08

TCDD TEQ w/out DNQ Values	1.69E-06
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TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 006 (FSDF-2)

**ANNUAL 2010 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Sample Type: Composite

Sample Date March 8, 2010

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	1.40E-06	5.00E-05	ND	U (B)	0.01	ND
1,2,3,4,6,7,8-HpCDF	4.10E-07	1.20E-06	ND	U (B)	0.01	ND
1,2,3,4,7,8,9-HpCDF	7.20E-07	6.20E-07	ND	U (B)	0.01	ND
1,2,3,4,7,8-HxCDD	9.20E-07	5.00E-05	ND	U	0.1	ND
1,2,3,4,7,8-HxCDF	1.80E-07	4.10E-07	ND	U (B)	0.1	ND
1,2,3,6,7,8-HxCDD	8.20E-07	5.00E-05	ND	U	0.1	ND
1,2,3,6,7,8-HxCDF	1.80E-07	6.50E-07	ND	U (B)	0.1	ND
1,2,3,7,8,9-HxCDD	7.20E-07	5.00E-05	ND	U	0.1	ND
1,2,3,7,8,9-HxCDF	2.30E-07	6.40E-07	ND	U (B)	0.1	ND
1,2,3,7,8-PeCDD	6.30E-07	5.00E-05	ND	U	1	ND
1,2,3,7,8-PeCDF	2.00E-07	5.00E-05	ND	U	0.05	ND
2,3,4,6,7,8-HxCDF	1.60E-07	4.40E-07	ND	U (B)	0.1	ND
2,3,4,7,8-PeCDF	2.20E-07	5.00E-05	ND	U	0.5	ND
2,3,7,8-TCDD	4.70E-07	1.00E-05	ND	U	1	ND
2,3,7,8-TCDF	4.10E-07	1.00E-05	ND	U	0.1	ND
OCDD	2.70E-06	1.10E-05	ND	U (B)	0.0001	ND
OCDF	8.90E-07	2.40E-06	ND	U (B)	0.0001	ND

TCDD TEQ w/out DNQ Values	ND
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TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 006 (FSDF-2)

**ANNUAL 2010 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Sample Type: Composite

Sample Date December 20, 2010

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	2.90E-07	5.00E-05	ND	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	5.00E-07	5.00E-05	ND	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	6.40E-07	5.00E-05	ND	U	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	8.80E-07	5.00E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	5.80E-07	5.00E-05	ND	U	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	4.40E-07	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	3.90E-07	5.00E-05	ND	U	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	7.20E-07	5.00E-05	ND	U	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	4.20E-07	5.00E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	5.20E-07	5.00E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	2.50E-07	5.00E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	4.60E-07	5.00E-05	ND	U	0.1	0.7	ND
2,3,4,7,8-PeCDF	4.00E-07	5.00E-05	ND	U	0.5	1.6	ND
2,3,7,8-TCDD	7.20E-07	1.00E-05	ND	U	1	1	ND
2,3,7,8-TCDF	1.90E-07	1.00E-05	ND	U	0.1	0.8	ND
OCDD	1.50E-07	1.00E-04	ND	U (B)	0.0001	0.01	ND
OCDF	5.10E-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 006 (FSDF-2)

**ANNUAL 2010 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Sample Type: Composite

Sample Date December 26, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1.20E-04	5.00E-05	ND	U (B)	0.01	0.05	ND
1,2,3,4,6,7,8-HpCDF	6.40E-07	5.00E-05	ND	U (B)	0.01	0.01	ND
1,2,3,4,7,8,9-HpCDF	8.00E-07	5.00E-05	3.60E-06	J (DNQ)	0.01	0.4	ND
1,2,3,4,7,8-HxCDD	1.00E-07	5.00E-05	ND	U	0.1	0.3	ND
1,2,3,4,7,8-HxCDF	3.40E-07	5.00E-05	ND	U (B)	0.1	0.08	ND
1,2,3,6,7,8-HxCDD	9.00E-08	5.00E-05	ND	UJ (*III)	0.1	0.1	ND
1,2,3,6,7,8-HxCDF	3.40E-07	5.00E-05	ND	UJ (*III)	0.1	0.2	ND
1,2,3,7,8,9-HxCDD	8.00E-08	5.00E-05	ND	U (B)	0.1	0.1	ND
1,2,3,7,8,9-HxCDF	3.60E-07	5.00E-05	ND	U	0.1	0.6	ND
1,2,3,7,8-PeCDD	8.40E-07	5.00E-05	ND	U	1	0.9	ND
1,2,3,7,8-PeCDF	8.40E-07	5.00E-05	ND	U	0.05	0.2	ND
2,3,4,6,7,8-HxCDF	3.20E-07	5.00E-05	1.90E-06	J (DNQ)	0.1	0.7	ND
2,3,4,7,8-PeCDF	7.30E-07	5.00E-05	7.40E-06	J (DNQ)	0.5	1.6	ND
2,3,7,8-TCDD	4.00E-07	1.00E-05	ND	U	1	1	ND
2,3,7,8-TCDF	1.80E-06	1.00E-05	ND	U	0.1	0.8	ND
OCDD	5.70E-06	1.00E-04	2.80E-03	J (L)	0.0001	0.01	2.80E-09
OCDF	1.10E-06	1.00E-04	1.40E-04	--	0.0001	0.02	2.80E-10

TCDD TEQ w/out DNQ Values	3.08E-09
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TCDD TEQ PERMIT LIMIT = 2.80E-08

tions, definitions, and other explanations for the data presented in this table.

OUTFALL 006 (FSDf-2)

**ANNUAL 2010 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1, 2010 through July 18, 2010

ANALYTE	SAMPLE TYPE	UNITS	Permit Limit Daily Max/Monthly Avg	1/19/2010			3/8/2010		
				RESULT	VALIDATION QUALIFIER	MDA	RESULT	VALIDATIO N QUALIFIER	MDA
RADIOACTIVITY	Composite								
Gross Alpha	Composite	pCi/L	15/-	2.5 ± 1.1	J (H, C, DNQ)	1.2	0.7 ± 1.2	UJ (H, C)	2
Gross Beta	Composite	pCi/L	50/-	2.97 ± 0.89	J (H, DNQ)	1.1	3.6 ± 1.0	J (H, DNQ)	1.2
Strontium-90	Composite	pCi/L	8.0/-	0.04 ± 0.21	U	0.37	-0.1 ± 0.39	U	0.68
Total Combined Radium-226 & Radium 228	Composite	pCi/L	5.0/-	0.09 ± 0.877	U	1.88	0.18 ± 0.26	U	0.49
Tritium	Composite	pCi/L	20000/-	11 ± 78	U	140	73 ± 92	U	150
Uranium, Total	Composite	pCi/L	20/-	0.12 ± 0.013	R (H)	0.21	ND < 0.677 ± 0.050	UJ (B, H)	0.21
Potassium-40	Composite	pCi/L	----	-80 ± 1000	U	300	-80 ± 3300	UJ (H)	300
Cesium 137	Composite	pCi/L	200/-	-2.3 ± 9.7	U	18	-2.2 ± 9.0	UJ (H)	16

OUTFALL 006 (FSDF-2)

**ANNUAL 2010 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

July 19, 2010 through December 31, 2010

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/20/2010 (Comp)			12/26/2010 (Comp)		
			RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	2.00 ± 0.78	0.822	J (DNQ,C)	1.12 ± 0.39	0.384	J (C, DNQ)
Gross Beta	pCi/L	50/-	4.28 ± 0.93	1.37	--	2.56 ± 0.68	1.02	J (DNQ)
Strontium-90	pCi/L	8.0/-	-0.042 ± 0.29	0.708	U	0.051 ± 0.28	0.587	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.32 ± 0.42	1.03	U	0.15 ± 0.35	1.00	U
Tritium	pCi/L	20000/-	124 ± 210	352	U	-36.2 ± 160	272	U
Uranium, Total	pCi/L	20/-	0.384 ± 0.045	0.017	J (DNQ)	0.195 ± 0.023	0.017	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 31.2	31.2	U	ND < 19.4	19.4	U
Cesium 137	pCi/L	200/-	ND < 1.54	1.54	U	ND < 1.58	1.58	U

OUTFALL 006 (FSDF-2)

**ANNUAL 2010 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1, 2010 through July 18, 2010

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	01/18/2010-01/19/2010			3/8/2010		
			Sample Type	Result	Concentration Result Validation Qualifier	Sample Type	Result	Concentration Result Validation Qualifier
Max discharge for event	MGD	17.8	Meas	0.03712	*	Meas	0.00171	*
Chloride	LBS/DAY	22,268/-	Comp	1.42	*	Comp	0.10	*
Fluoride	LBS/DAY	238/-	ANR	ANR	ANR	Comp	0.0020	B*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	Comp	1.05	*	Comp	0.04	*
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*	Grab	ND	*
Perchlorate	LBS/DAY	0.89/-	ANR	ANR	ANR	Comp	ND	*
Sulfate	LBS/DAY	37,113/-	Comp	1.64	*	Comp	0.29	*
Total Dissolved Solids	LBS/DAY	126,184/-	Comp	37.14	*	Comp	3.42	*
Antimony	LBS/DAY	0.89/-	Comp	ND	*	Comp	0.000064	Ja* (DNQ)
Boron	LBS/DAY	148/-	ANR	ANR	ANR	Comp	0.00078	--
Cadmium	LBS/DAY	0.59/-	Comp	ND	*	Comp	ND	*
Copper	LBS/DAY	2.08/-	Comp	0.0015	*	Comp	0.000026	Ja* (DNQ)
Lead	LBS/DAY	0.77/-	Comp	0.00087	*	Comp	0.0000070	Ja* (DNQ)
Mercury	LBS/DAY	0.02/-	Comp	ND	U	Comp	ND	U
Nickel	LBS/DAY	14.9/-	ANR	ANR	ANR	Comp	ND	U
Thallium	LBS/DAY	0.3/-	Comp	ND	*	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	Comp	5.23E-10	--	Comp	ND	--

OUTFALL 006 (FSDF-2)

ANNUAL 2010 REPORTING SUMMARY THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

July 19, 2010 through December 31, 2010

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/20/2010			12/26/2010		
			Sample Type	Result	Concentration Result Validation Qualifier	Sample Type	Result	Concentration Result Validation Qualifier
Max Discharge for event	MGD	17.8	Meas	0.03053		Meas	0.025875	
Chloride	LBS/DAY	22,268/-	Comp	20.11	*	Comp	1.17	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	Comp	0.11	*	Comp	0.26	*
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*	Grab	ND	*
Perchlorate	LBS/DAY	0.89/-	Comp	ND	*	Comp	ND	*
Sulfate	LBS/DAY	37,113/-	Comp	4.58	*	Comp	1.01	*
Total Cyanide	LBS/DAY	1.4/-	Comp	ND	*	Comp	ND	*
Total Dissolved Solids	LBS/DAY	126,184/-	Comp	71.29	*	Comp	25.90	*
Antimony	LBS/DAY	0.89/-	Comp	0.0001	J* (DNQ)	Comp	0.00007	Ja* (DNQ)
Copper	LBS/DAY	2.08/-	Comp	0.0006	*	Comp	0.0006	*
Lead	LBS/DAY	0.77/-	Comp	0.0004	*	Comp	0.0002	Ja* (DNQ)
Mercury	LBS/DAY	0.02/-	Comp	ND	U	Comp	ND	U
Thallium	LBS/DAY	0.3/-	Comp	ND	*	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	4.2E-09/-	Comp	ND	--	Comp	6.65E-13	--

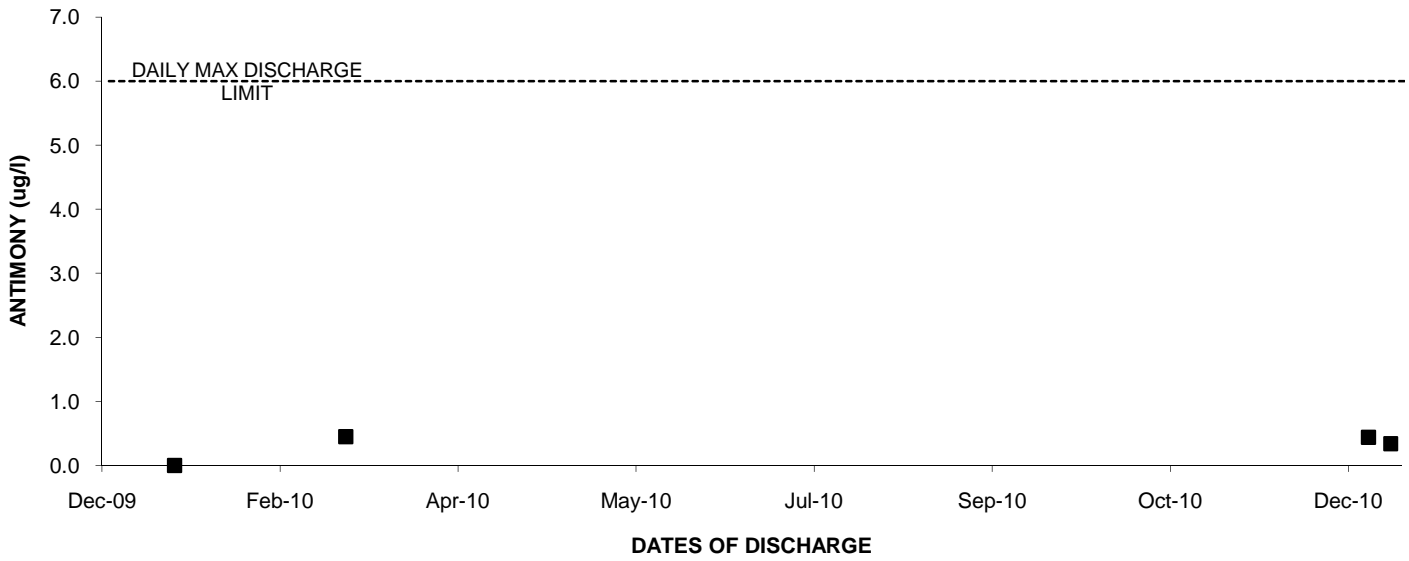
**BMP EFFECTIVENESS
OUTFALL 006 (FSDF-2)**

**ANNUAL 2010 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

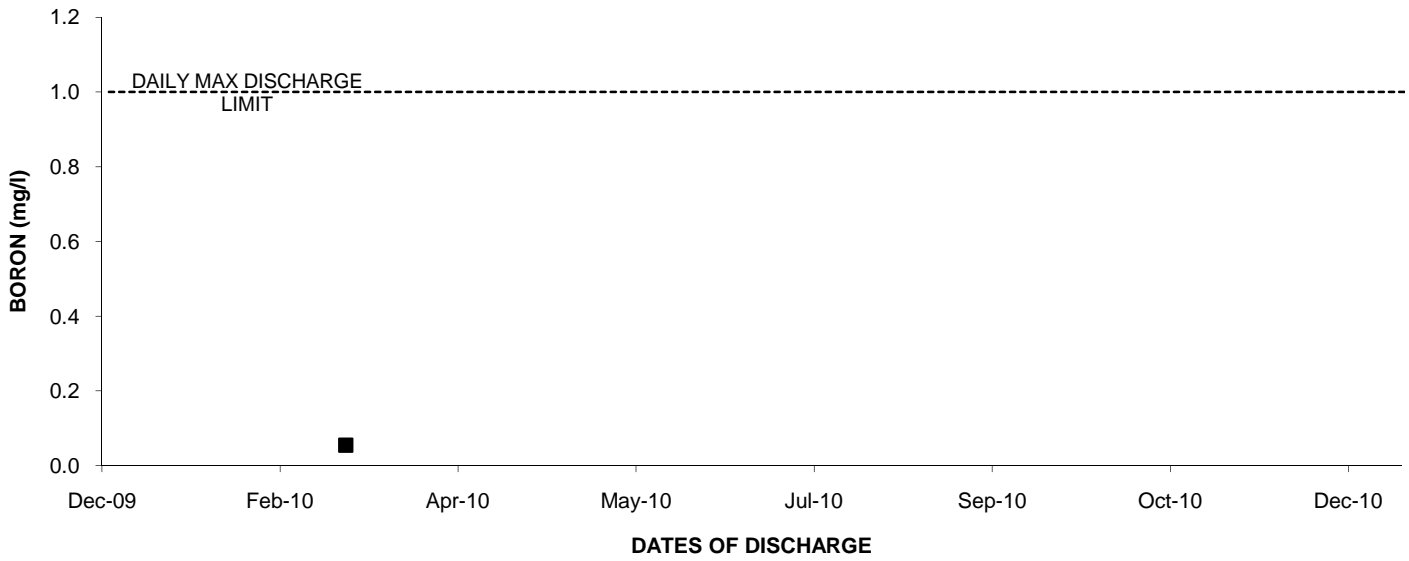
January 1, 2010 through July 18, 2010

SAMPLE NAME	SAMPLE DATE	ANALYTE	UNITS	RESULT
006 EFF-1	01/18/10	Density	g/cc	1.0*
006 EFF-1	01/18/10	Sediment	mg/L	120*
006 EFF-2	01/19/10	Density	g/cc	1.0*
006 EFF-2	01/19/10	Sediment	mg/L	95*
006 EFF-1	03/08/10	Density	g/cc	0.99
006 EFF-1	03/08/10	Sediment	mg/L	ND <10

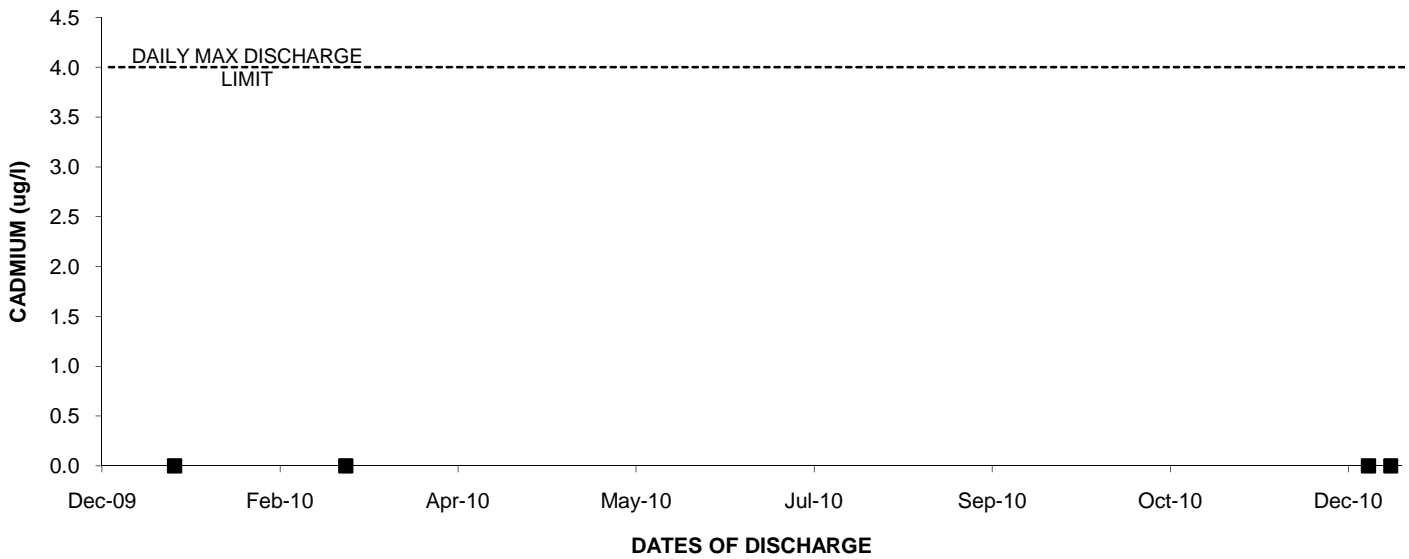
2010: Outfall 006 ANTIMONY



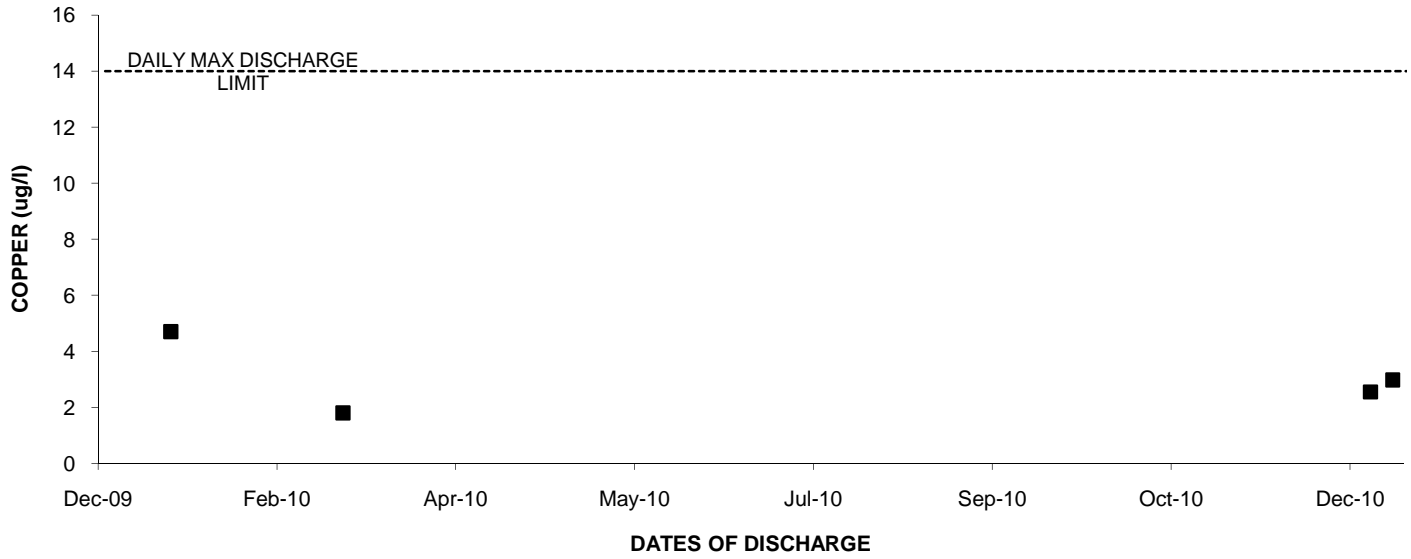
2010: Outfall 006 BORON



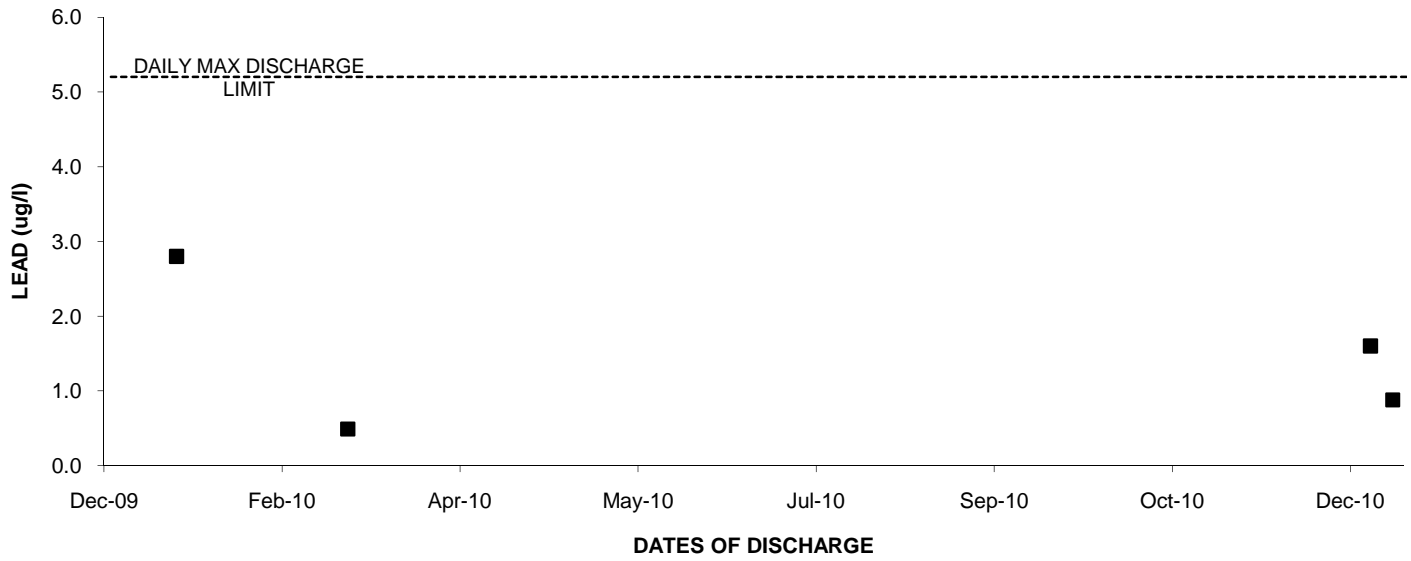
2010: Outfall 006 CADMIUM



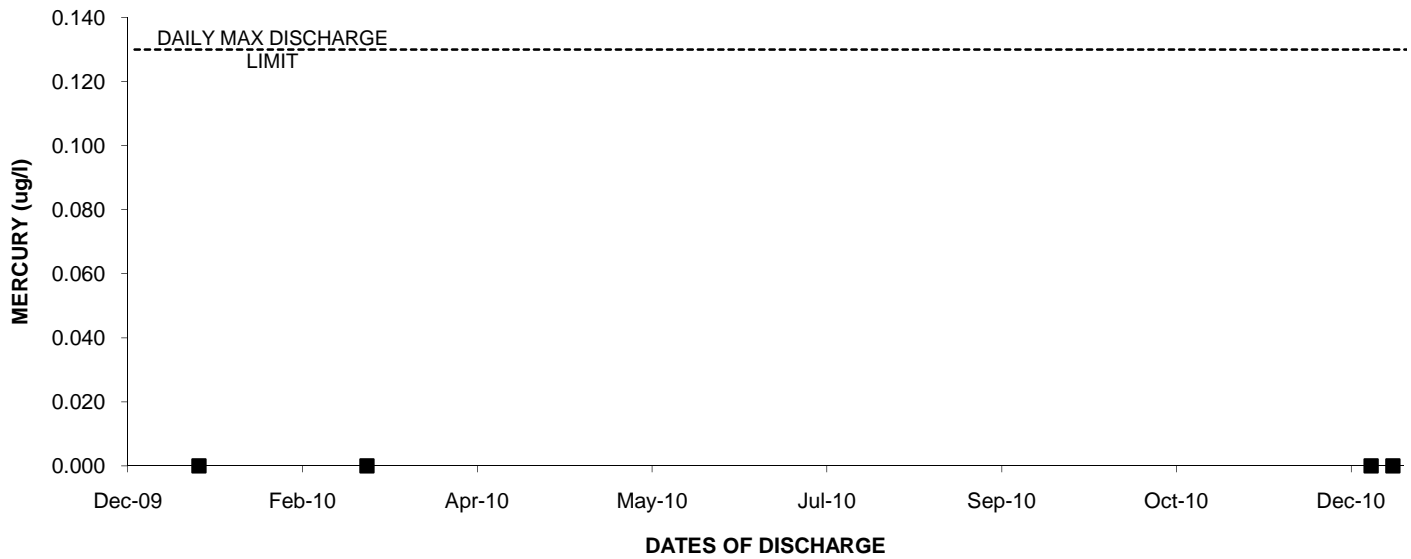
2010: Outfall 006 COPPER



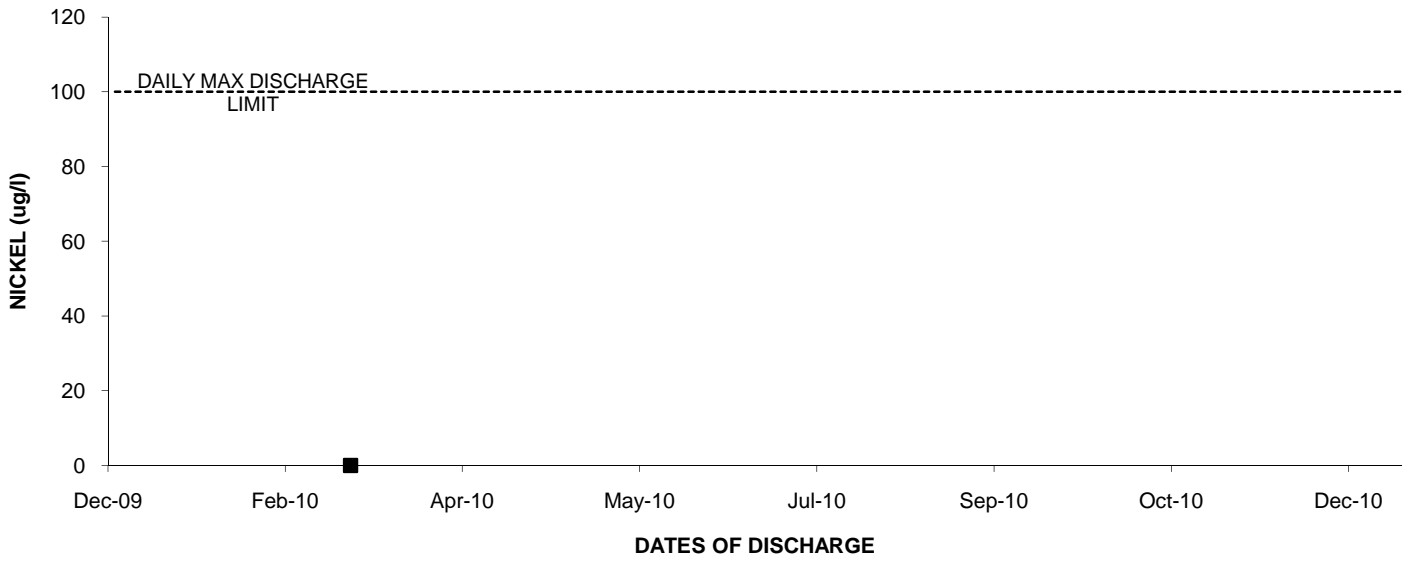
2010: Outfall 006 LEAD



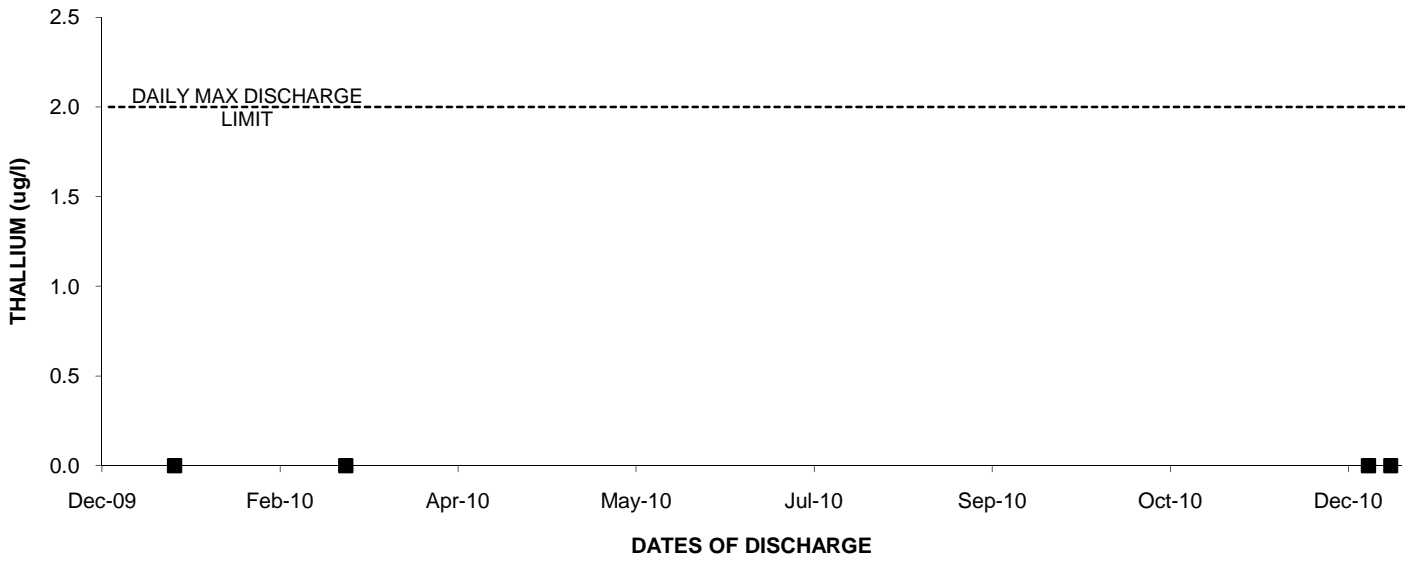
2010: Outfall 006 MERCURY



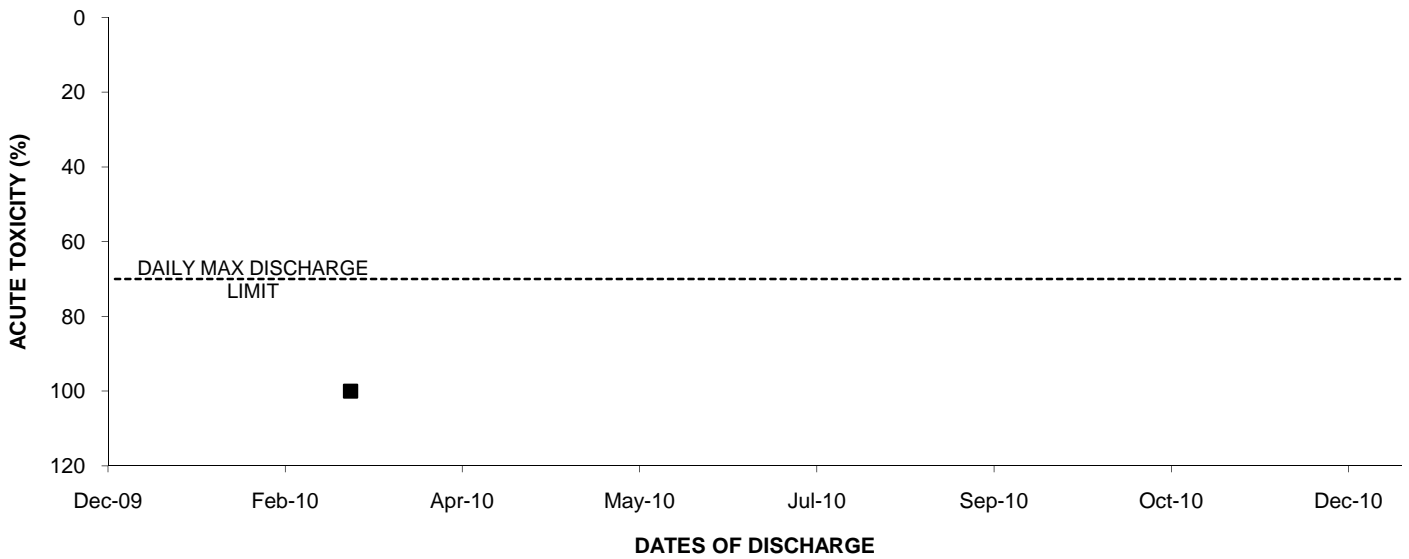
2010: Outfall 006 NICKEL



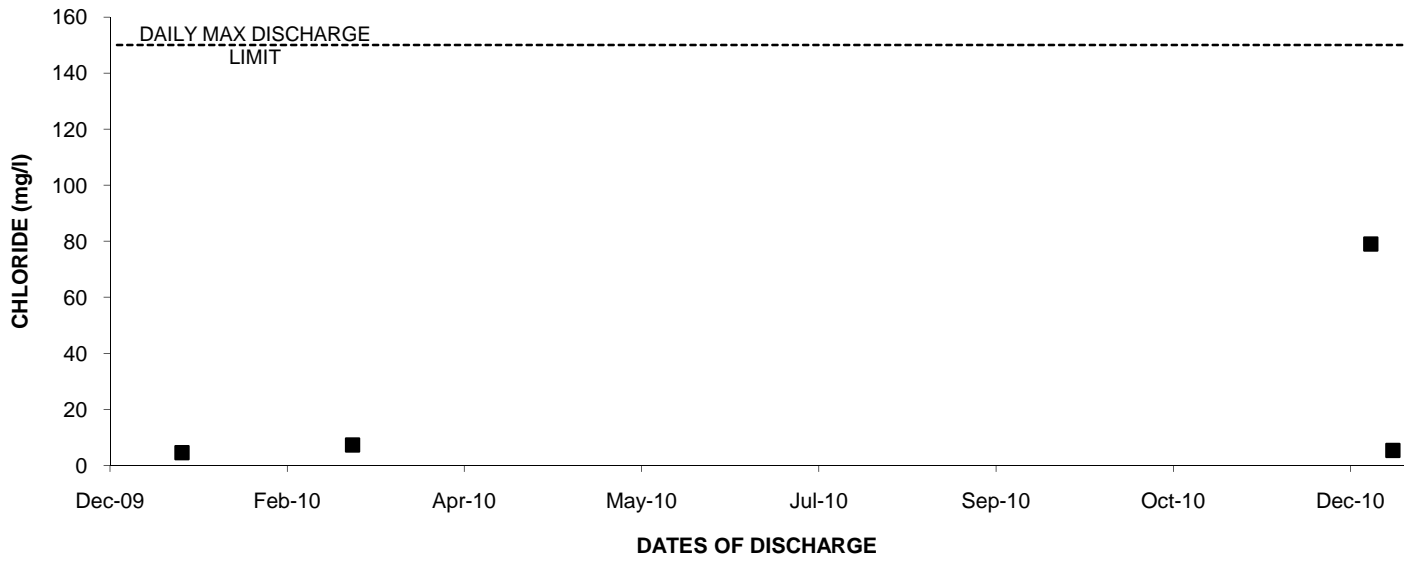
2010: Outfall 006 THALLIUM



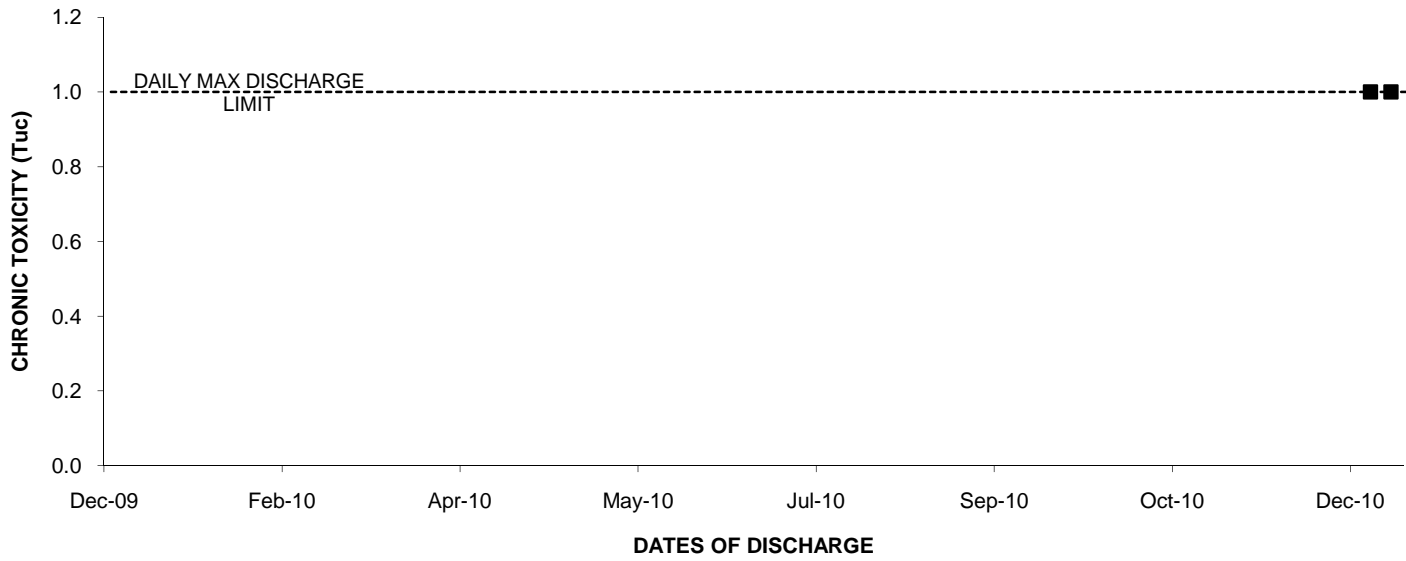
2010: Outfall 006 ACUTE TOXICITY



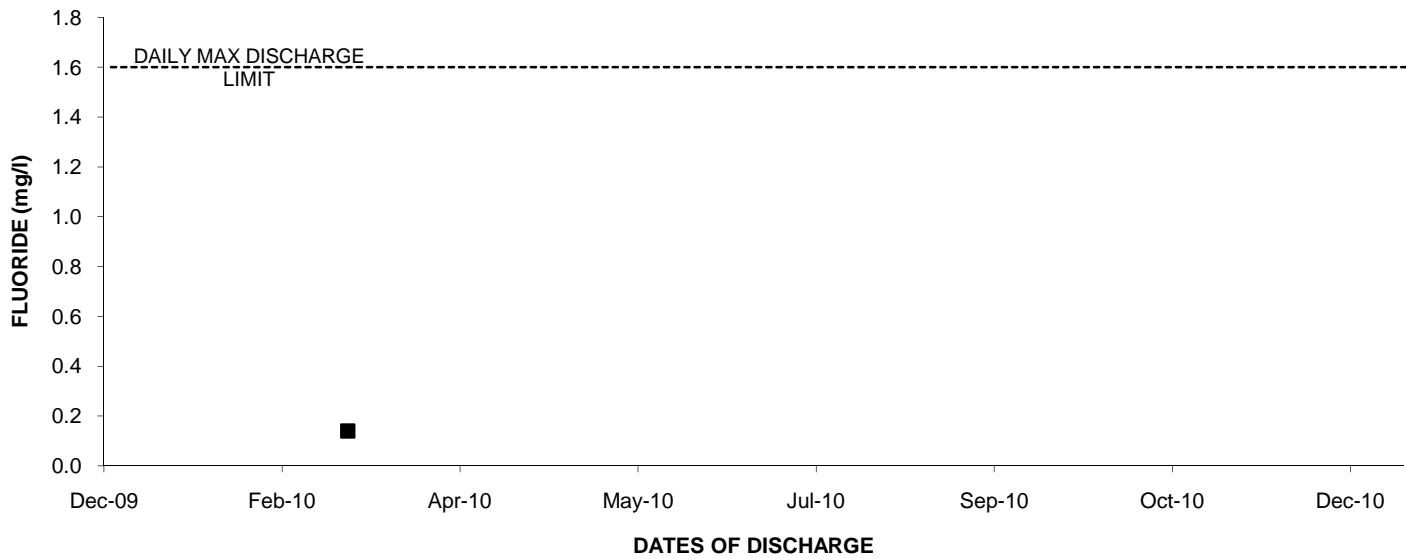
2010: Outfall 006 CHLORIDE



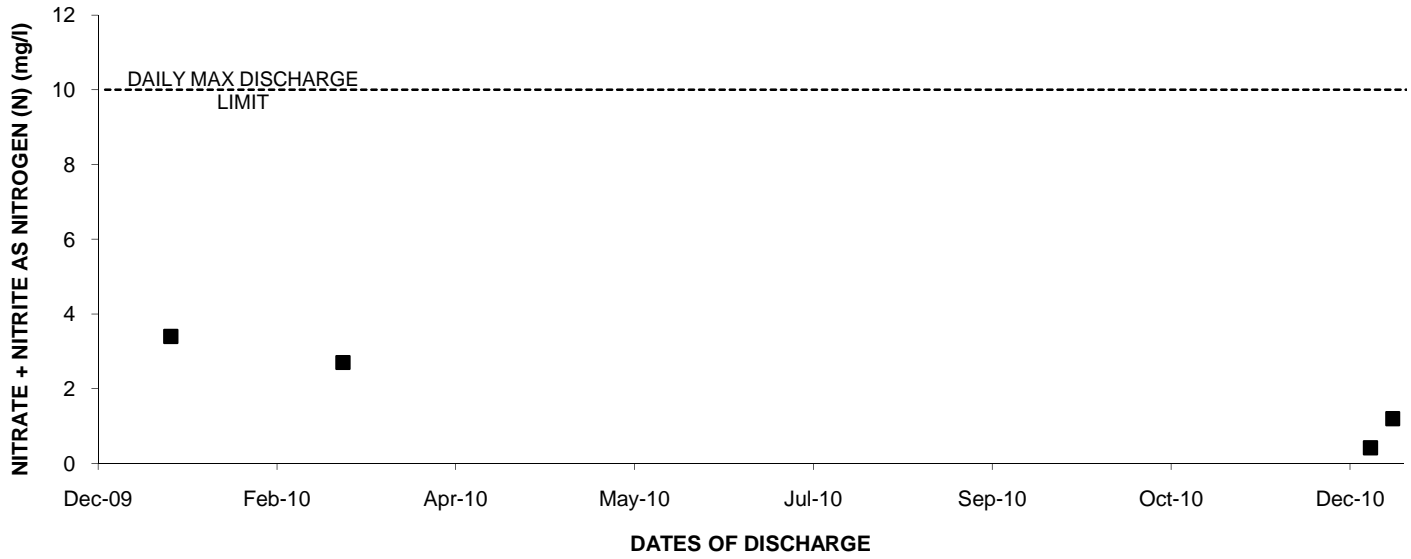
2010: Outfall 006 CHRONIC TOXICITY



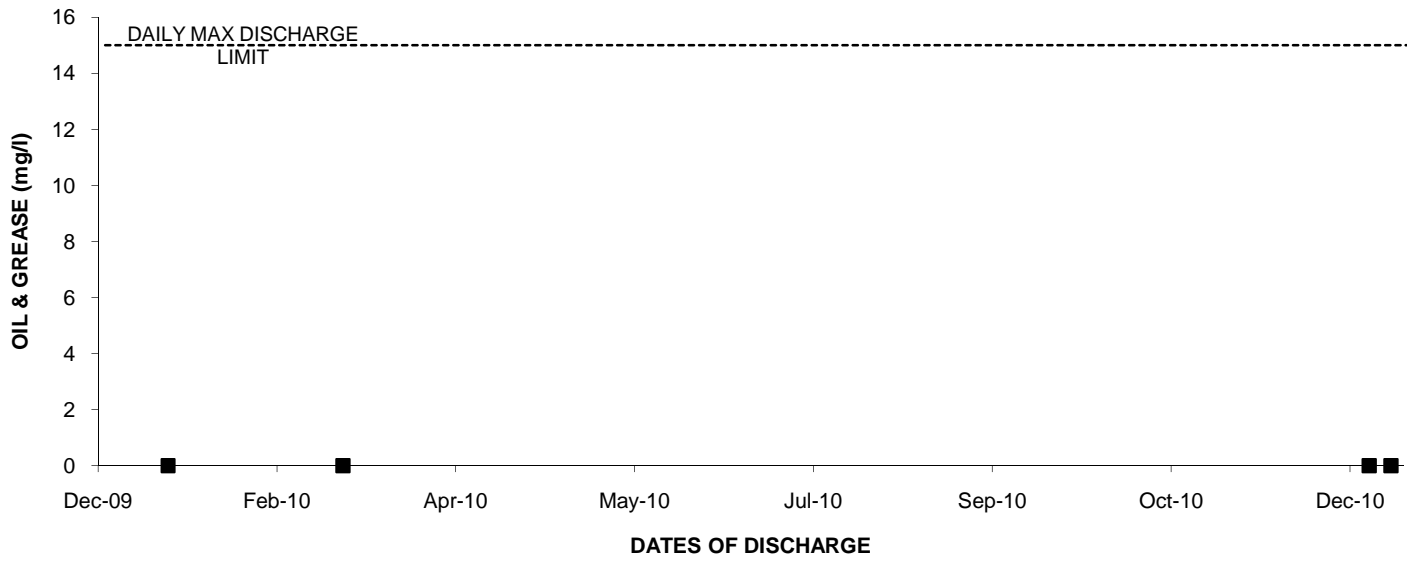
2010: Outfall 006 FLUORIDE



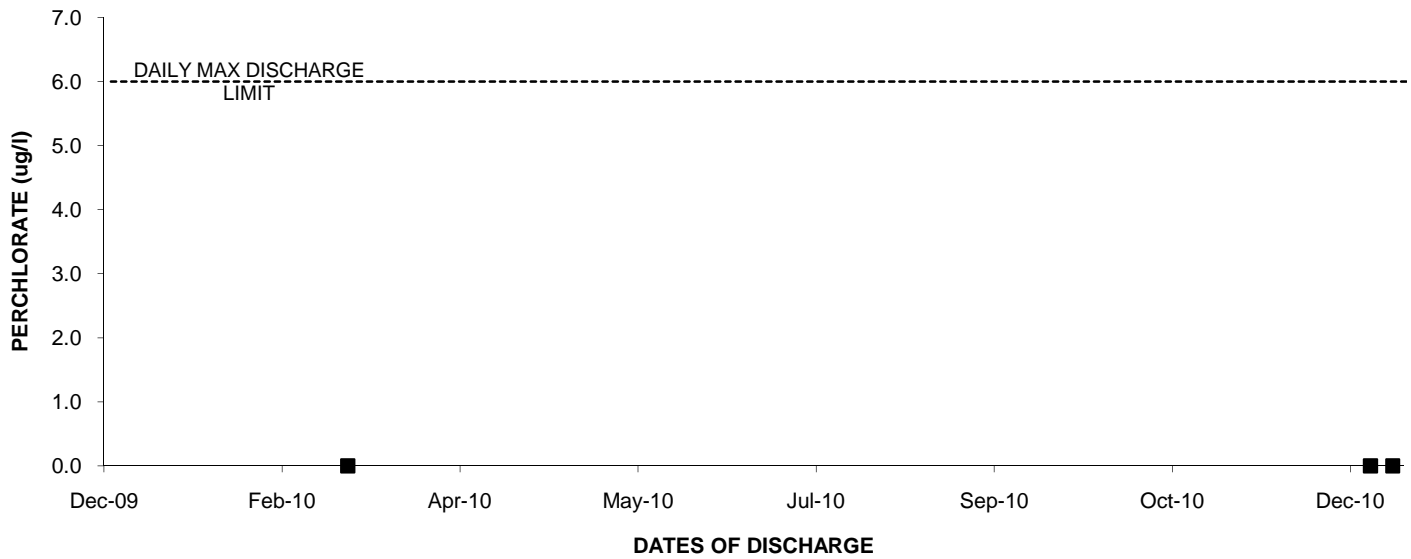
2010: Outfall 006 NITRATE + NITRITE AS NITROGEN (N)



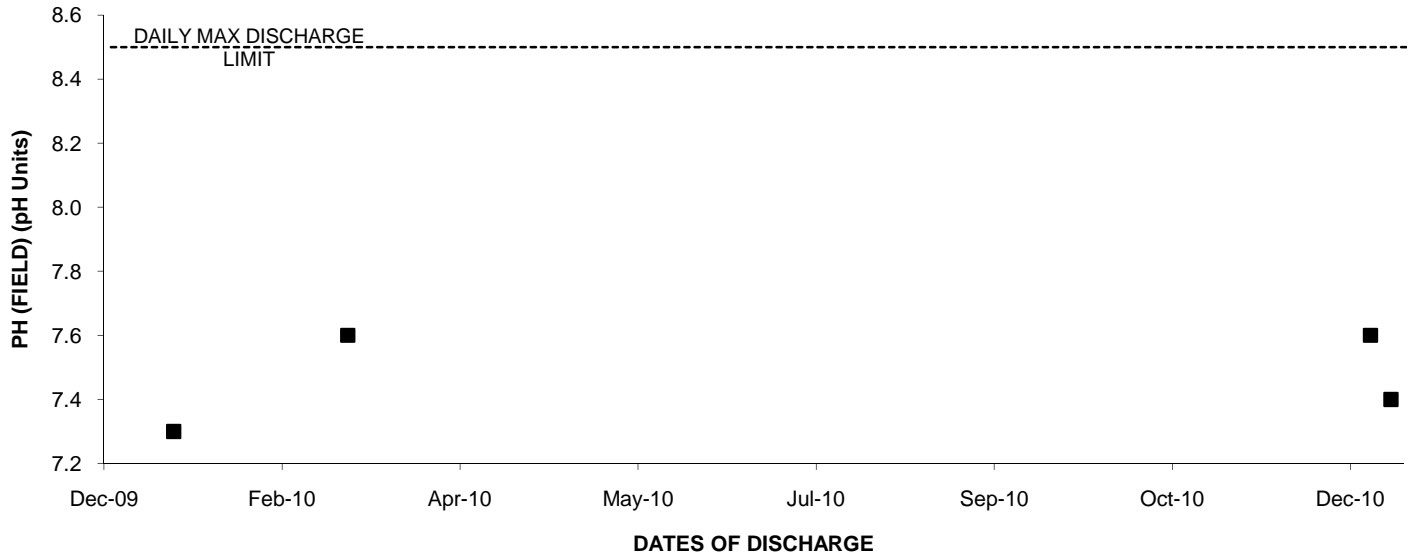
2010: Outfall 006 OIL & GREASE



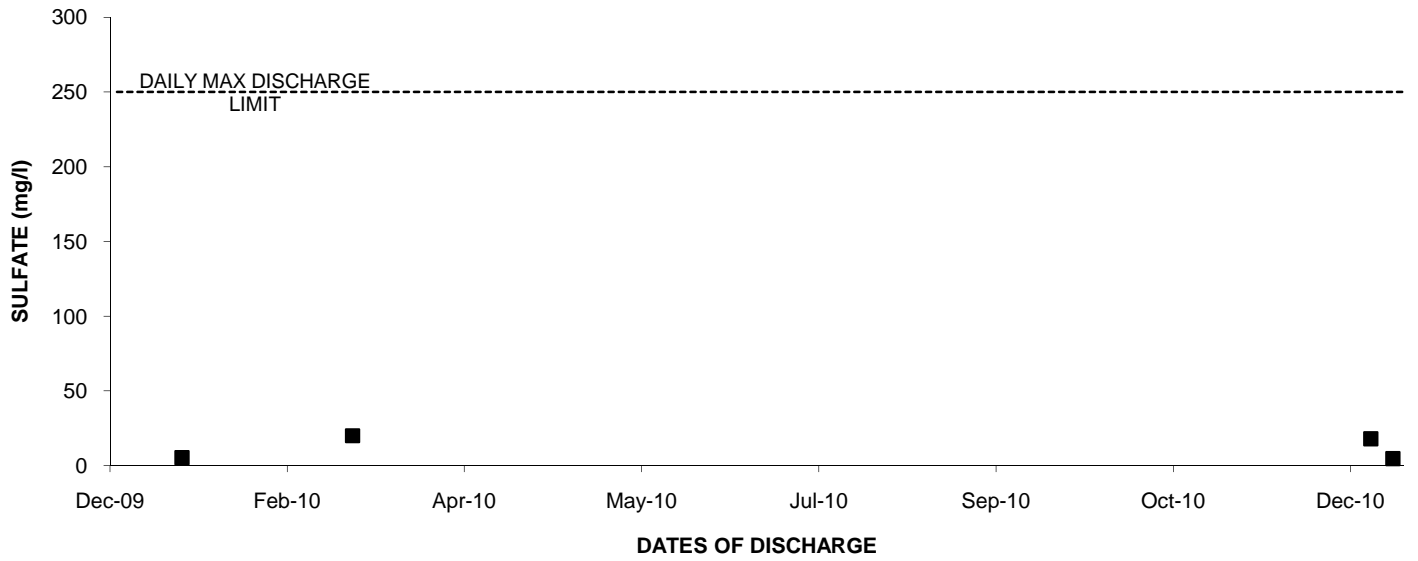
2010: Outfall 006 PERCHLORATE



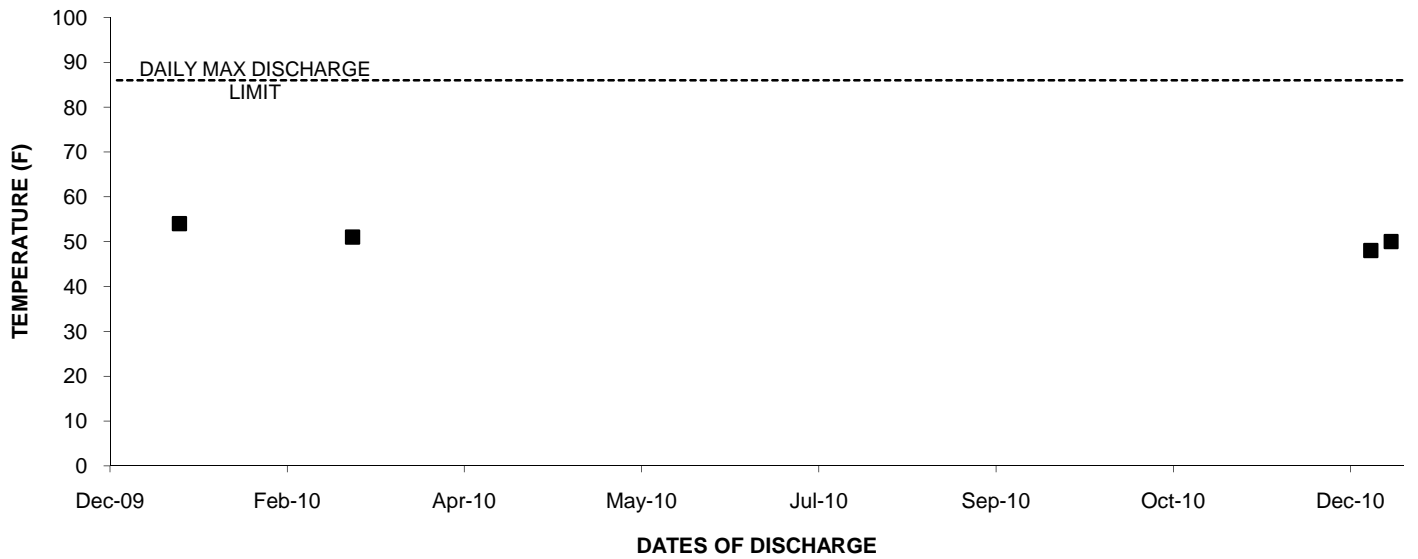
2010: Outfall 006 PH (FIELD)



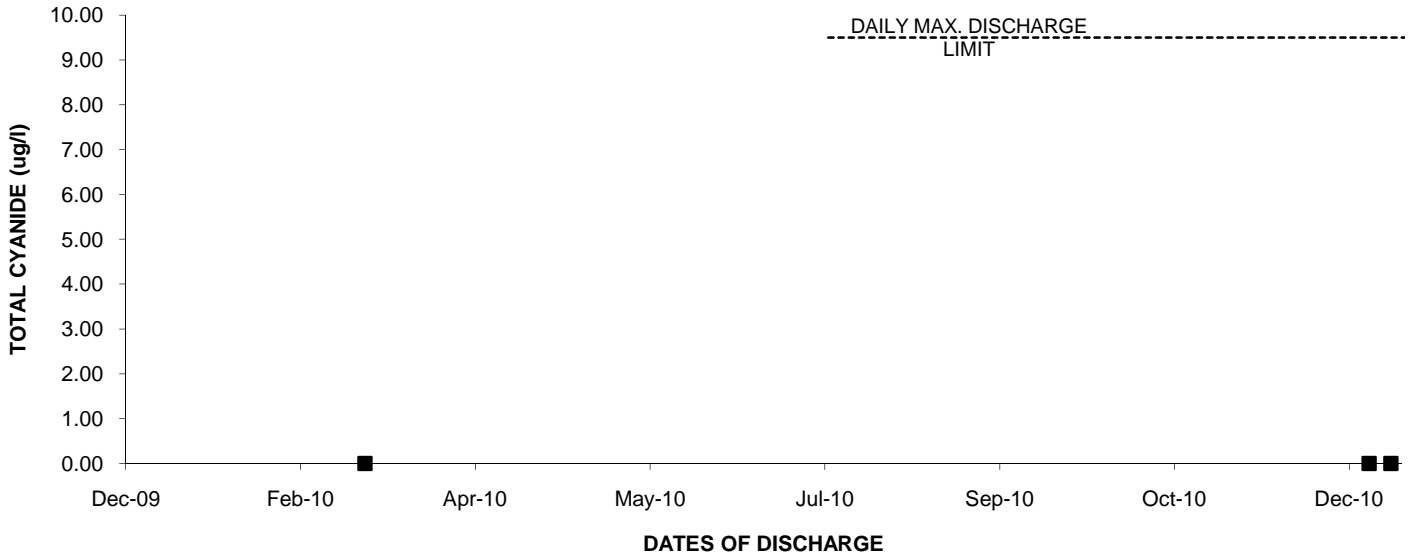
2010: Outfall 006 SULFATE



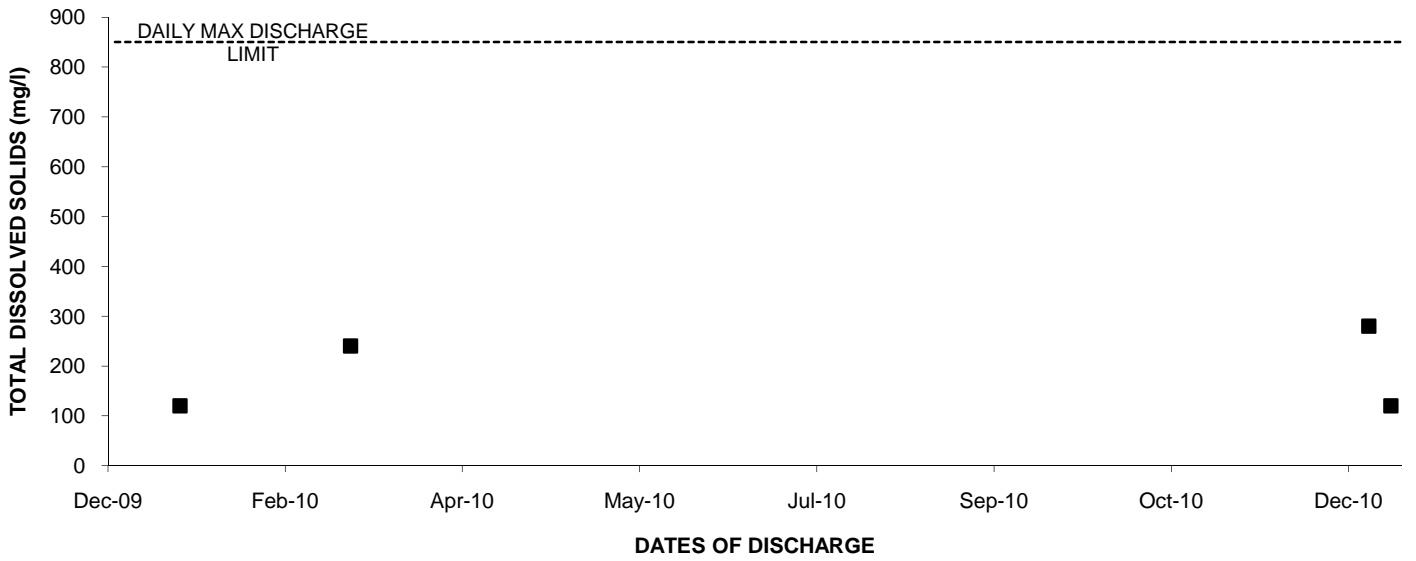
2010: Outfall 006 TEMPERATURE



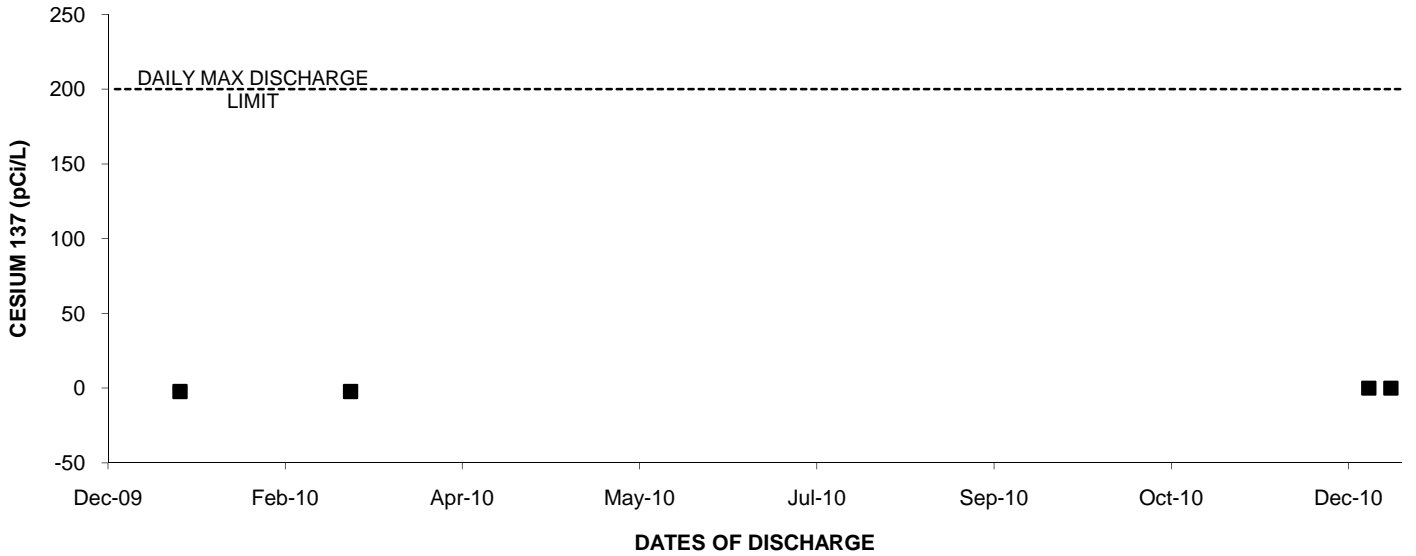
2010: Outfall 006 TOTAL CYANIDE



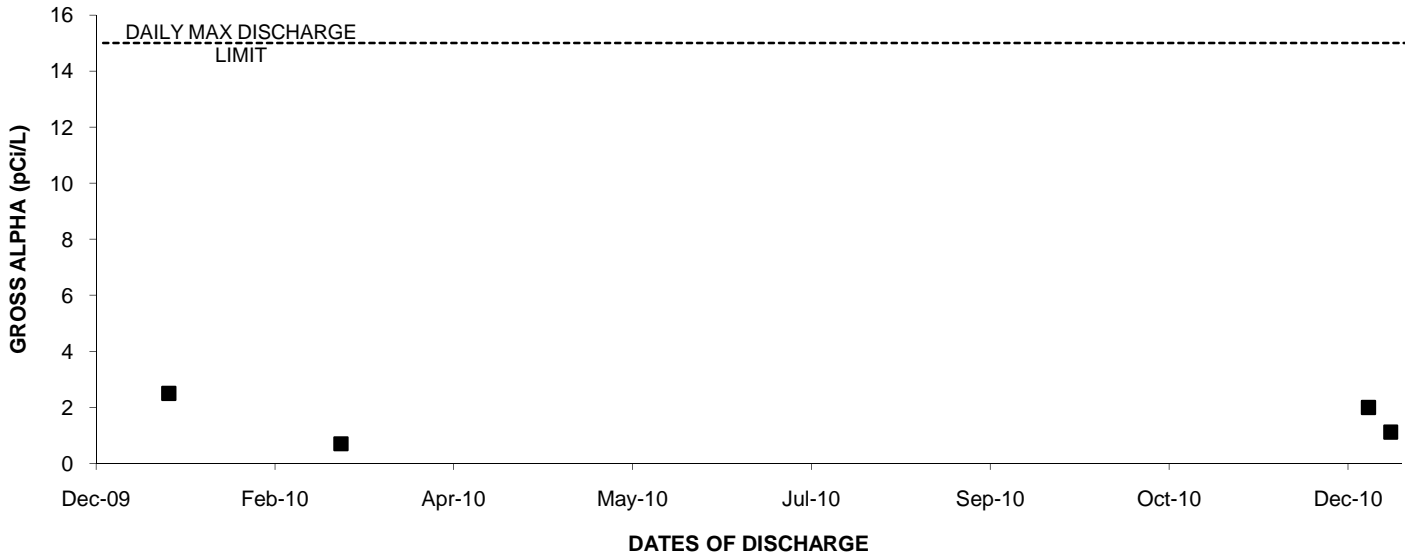
2010: Outfall 006 TOTAL DISSOLVED SOLIDS



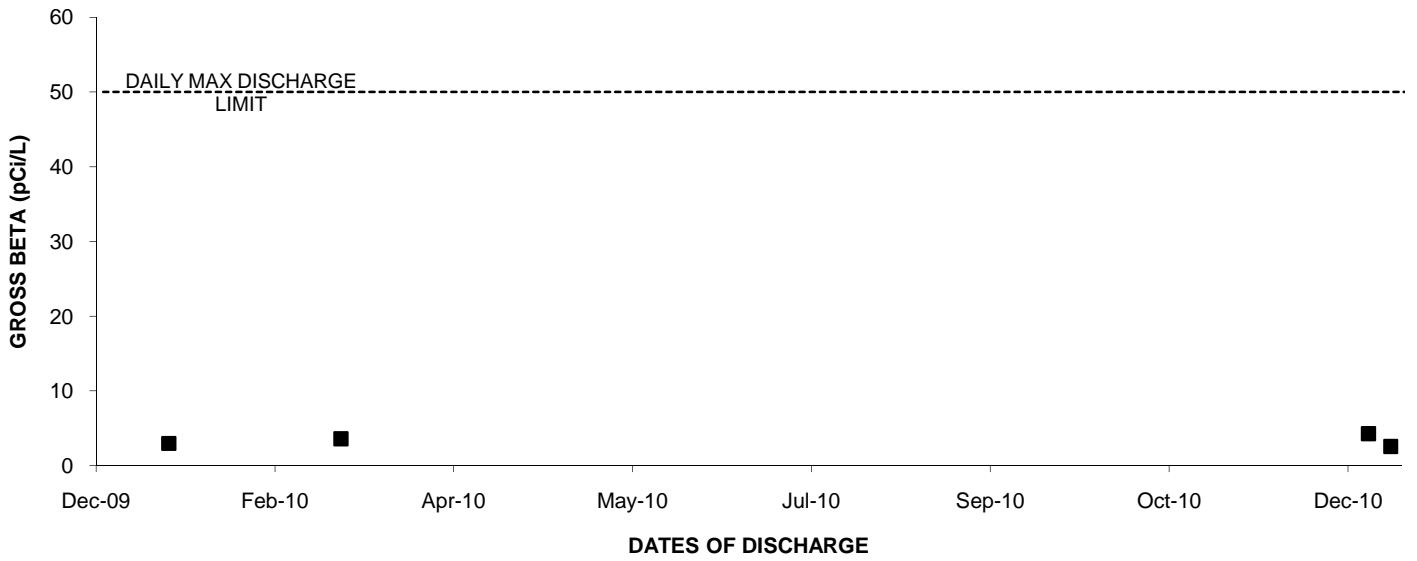
2010: Outfall 006 CESIUM 137



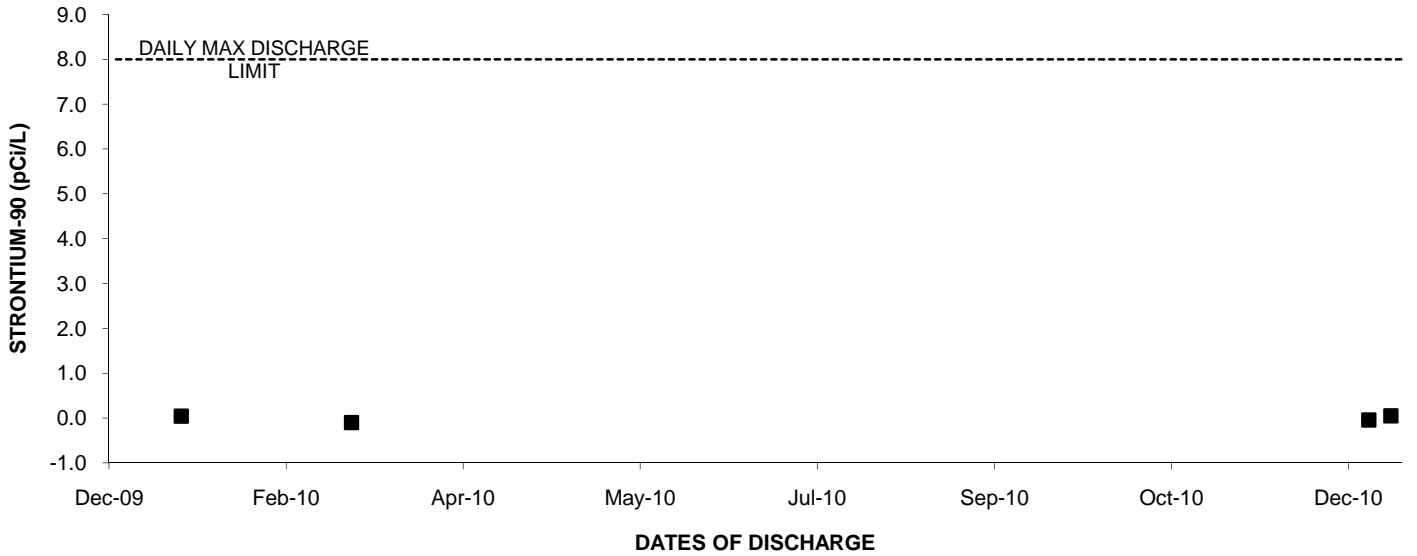
2010: Outfall 006 GROSS ALPHA



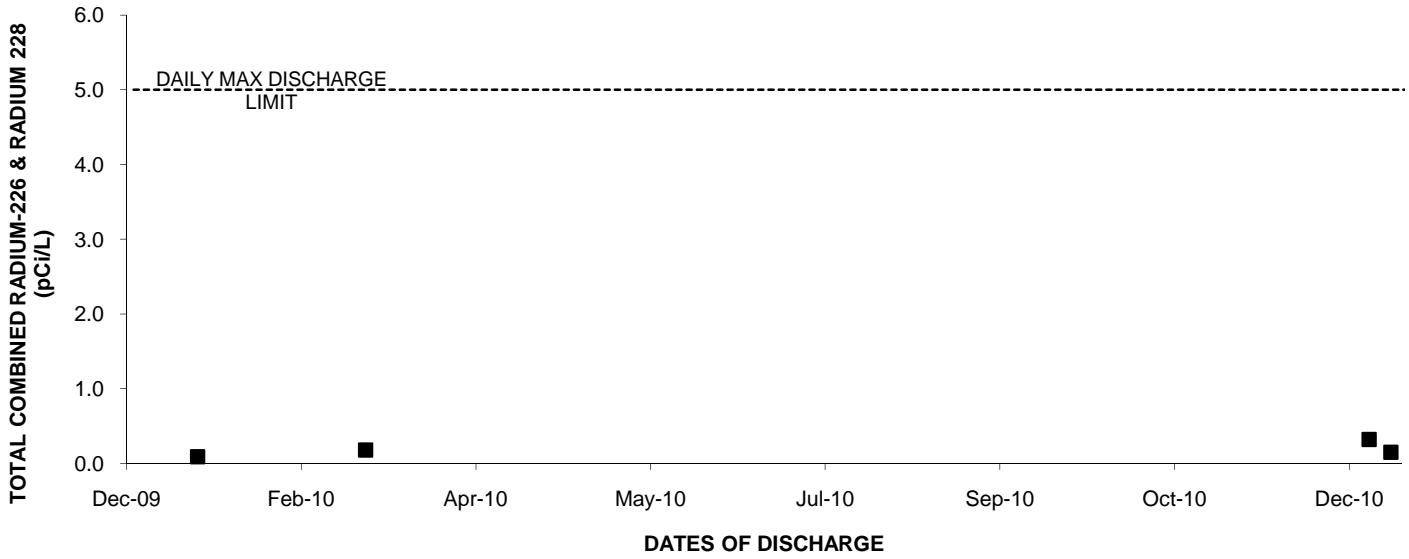
2010: Outfall 006 GROSS BETA



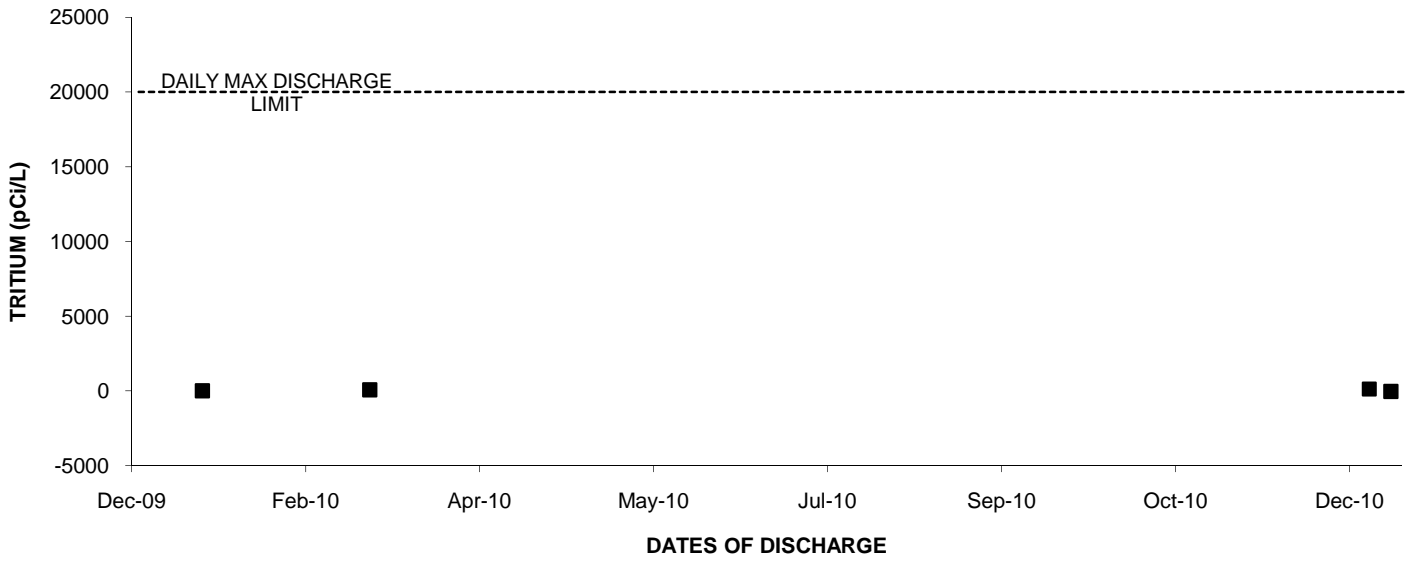
2010: Outfall 006 STRONTIUM-90



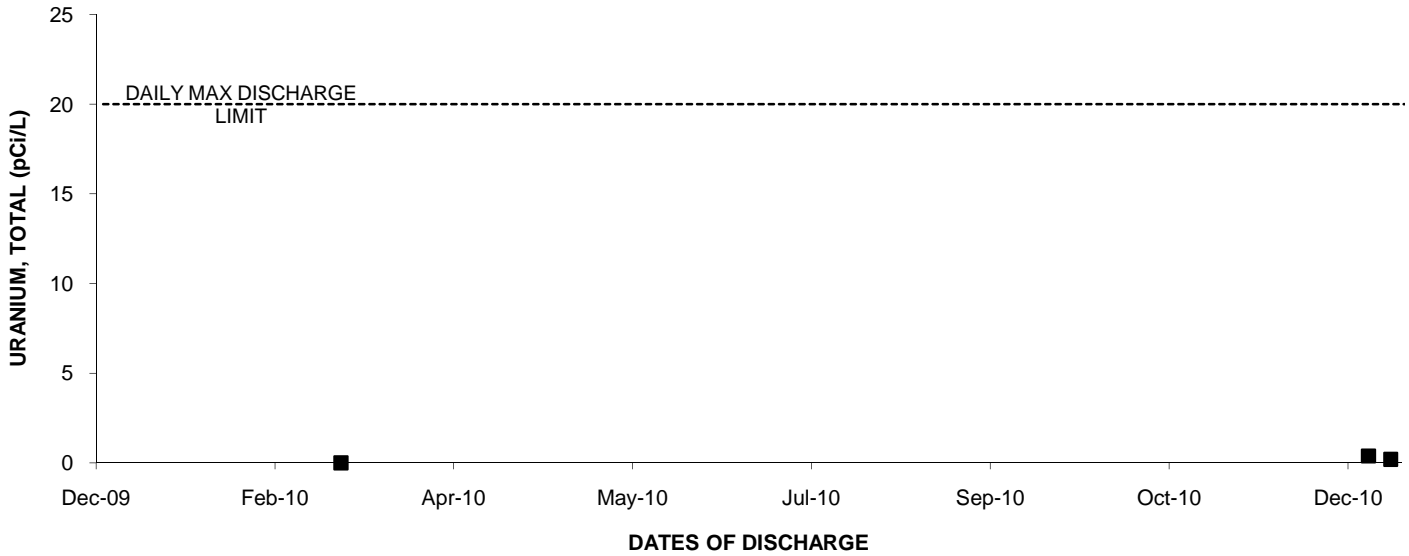
2010: Outfall 006 TOTAL COMBINED RADIUM-226 & RADIUM 228



2010: Outfall 006 TRITIUM



2010: Outfall 006 URANIUM, TOTAL



2010: Outfall 006 TCDD

