

SECTION 7

OUTFALL 010 (BUILDING 203)  
ANNUAL 2010 REPORTING SUMMARY

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**OUTFALL 010 (Building 203)**

**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			02/05/2010-02/06/2010		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chloride	mg/L	150/-	Comp	6.8	*	Comp	7.3	--
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	Comp	0.20	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	0.71	*	Comp	0.59	--
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	Grab	ND < 1.4	U
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	Comp	ND < 0.90	U
pH (Field)	pH units	6.5-8.5/-	Grab	6.8	*	Grab	7.0	*
Sulfate	mg/L	250/-	Comp	5.2	*	Comp	7.4	--
Temperature	deg. F	86/-	Grab	53	*	Grab	52	*
Total Cyanide	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.2	U
Total Dissolved Solids	mg/L	850/-	Comp	100	*	Comp	160	--
Hardness	mg/L	-/-	ANR	ANR	ANR	Comp	89	--
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	72	--
Total Suspended Solids	mg/L	-/-	ANR	ANR	ANR	Comp	73	--
Volume Discharged	MGD	17.8/-	ANR	0.042765	ANR	ANR	0.023715	ANR
<b>METALS</b>								
Aluminum	ug/L	-/-	ANR	ANR	ANR	Comp	770	J (Q)
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	81	--
Antimony	ug/L	6.0/-	Comp	0.43	Ja* (DNQ)	Comp	ND < 2.0	UJ (B)
Antimony, dissolved	ug/L	-/-	Comp	0.41	Ja* (DNQ)	Comp	0.57	J (DNQ)
Arsenic	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 7.0	UJ (C)
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	0.047	J (DNQ)
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	ND < 0.056	U (B)
Cadmium	ug/L	4.0/-	Comp	ND < 0.10	*	Comp	ND < 1.0	UJ (B, R)
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Comp	ND < 0.10	U
Calcium	mg/L	-/-	ANR	ANR	ANR	Comp	30	--
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	24	--
Chromium	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.0	U
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.0	U
Chromium VI	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.25	U
Copper	ug/L	14.0/-	Comp	4.0	*	Comp	4.4	J (*III)
Copper, dissolved	ug/L	-/-	Comp	1.9	Ja* (DNQ)	Comp	1.4	J (DNQ, *III)
Iron	mg/L	-/-	ANR	ANR	ANR	Comp	0.74	--
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	ND < 0.081	U (B)
Lead	ug/L	5.2/-	Comp	1.7	*	Comp	1.9	--
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	C*	Comp	ND < 0.20	U
Magnesium	mg/L	-/-	ANR	ANR	ANR	Comp	3.7	--
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	2.8	--
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	UJ (R)
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.0	UJ (R)
Selenium	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 20	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	U
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	C*	Comp	ND < 0.20	U
Vanadium	ug/L	-/-	ANR	ANR	ANR	Comp	4.6	J (DNQ)

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January 1, 2010 through July 18, 2010

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	01/18/2010-01/19/2010			02/05/2010-02/06/2010		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.0	U
Zinc	ug/L	-/-	ANR	ANR	ANR	Comp	8.7	J (DNQ)
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	13	J (DNQ)
<b>ORGANICS</b>								
Benzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.28	U
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.28	UJ (C)
Chloroform	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.33	U
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	U
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.28	U
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.42	U
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.25	U
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.32	U
Toluene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.36	U
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.90	U
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	U
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	U
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.26	U
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.34	U
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.50	U
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	U
<b>ADDITIONAL ANALYTES</b>								
2,4,5-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	U
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	U
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.32	U
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.35	U
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	U
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.35	U
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	U
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.37	U
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 4.2	U
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.3	U
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.3	U
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 7.5	UJ (C)
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.3	U
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.9	U
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 1.8	UJ (C)
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.8	U
2-Methylnaphthalene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.9	U
2-Methylphenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.3	U
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 7.1	U
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0019	UJ (C)
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0028	UJ (C)
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0038	UJ (C)
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	U
4-Chloroaniline	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.9	U

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			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	U
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 5.2	U
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
Acrolein	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 4.0	R (R)
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 1.2	U
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	Grab	100	--
Aldrin	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0014	U
alpha-BHC	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0024	U
Aniline	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.3	U
Anthracene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	U
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	UJ (C)
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	UJ (C)
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	UJ (C)
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	UJ (C)
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	U
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	U
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	U
Benzidine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 9.4	UJ (C, *III)
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	U
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.9	U
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.8	U
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	U
Benzoic acid	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 9.4	UJ (*III)
Benzyl alcohol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.3	UJ (C)
beta-BHC	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0038	U
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.8	U
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	U
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	U
Bromoform	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	UJ (C)
Bromomethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.42	U
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.8	U
Chlordane	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.038	U
Chlorpyrifos	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.0	U
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.36	U
Chloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	U
Chloromethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	U
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	U
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.32	U
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.22	U
delta-BHC	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0033	U
Diazinon	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.25	U
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
Dibenzofuran	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.8	U
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	U
Dieldrin	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0019	UJ (C)
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.3	U
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	U

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	01/18/2010-01/19/2010			02/05/2010-02/06/2010		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.3	U
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0019	UJ (C)
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0028	UJ (C)
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0028	U
Endrin	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0019	UJ (C)
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0019	U
Endrin ketone	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0028	UJ (C)
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
Fluorene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
Heptachlor	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0028	UJ (C)
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0024	U
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.8	U
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 4.7	UJ (C)
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.3	U
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.3	U
Isophorone	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0028	U
Methoxychlor	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0033	U
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.95	U
m-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
Naphthalene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.4	U
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.3	U
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.9	UJ (C)
o-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.9	U
p-Cresol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.8	U
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.3	UJ (C)
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.3	U
Phenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.9	U
p-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.8	U
Pyrene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.8	U
Toxaphene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	U
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	U
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.32	U

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	02/27/2010-02/28/2010			4/5/2010		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chloride	mg/L	150/-	Comp	12	M1*	Grab	12	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	0.80	*	Grab	0.93	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	Grab	7.2	*	Grab	6.9	*
Sulfate	mg/L	250/-	Comp	11	*	Grab	11	*
Temperature	deg. F	86/-	Grab	53	*	Grab	55	*
Total Cyanide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Dissolved Solids	mg/L	850/-	Comp	180	*	Grab	160	*
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Volume Discharged	MGD	17.8/-	ANR	0.01128	ANR	ANR	0	ANR
<b>METALS</b>								
Aluminum	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	0.43	Ja* (DNQ)	Grab	0.40	J* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	0.42	Ja* (DNQ)	Grab	0.44	J* (DNQ)
Arsenic	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	Comp	0.19	Ja* (DNQ)	Grab	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	C*	Grab	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	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium VI	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14.0/-	Comp	5.4	B*	Grab	2.6	*
Copper, dissolved	ug/L	-/-	Comp	1.3	Ja* (DNQ)	Grab	2.0	*
Iron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	2.2	*	Grab	0.52	J* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*	Grab	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U	Grab	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Grab	ND < 0.10	U
Nickel	ug/L	100/-	ANR	ANR	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*	Grab	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*	Grab	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

**OUTFALL 010 (Building 203)**

**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	02/27/2010-02/28/2010			4/5/2010		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
<b>ORGANICS</b>								
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
<b>ADDITIONAL ANALYTES</b>								
2,4,5-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	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-Methylnaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloroaniline	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR



**OUTFALL 010 (Building 203)**

**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	02/27/2010-02/28/2010			4/5/2010		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aniline	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzoic acid	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzyl alcohol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorpyrifos	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
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diazinon	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzofuran	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

**OUTFALL 010 (Building 203)**

**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	02/27/2010-02/28/2010			4/5/2010		
			SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
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
Endrin ketone	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
Methoxychlor	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
m-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
o-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
p-Cresol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
p-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
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 010 (Building 203)**

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

**Sample Type: Composite**

**Sample Date: January 18-19, 2010**

<b>ANALYTE</b>	<b>LAB LOD (ug/L)</b>	<b>LAB RL (ug/L)</b>	<b>LAB RESULT (ug/L)</b>	<b>VALIDATION QUALIFIER</b>	<b>1998 WHO TEF</b>	<b>TCDD Equivalent (w/out DNQ Values) (ug/L)</b>
1,2,3,4,6,7,8-HpCDD	8.80E-06	4.80E-05	7.90E-05	--	0.01	<b>7.90E-07</b>
1,2,3,4,6,7,8-HpCDF	5.70E-06	4.80E-05	3.80E-05	J (DNQ)	0.01	<b>ND</b>
1,2,3,4,7,8,9-HpCDF	8.80E-06	4.80E-05	2.50E-05	J (DNQ)	0.01	<b>ND</b>
1,2,3,4,7,8-HxCDD	6.20E-06	4.80E-05	ND	U (B)	0.1	<b>ND</b>
1,2,3,4,7,8-HxCDF	6.20E-06	4.80E-05	ND	J (DNQ)	0.1	<b>ND</b>
1,2,3,6,7,8-HxCDD	5.80E-06	4.80E-05	ND	U (B)	0.1	<b>ND</b>
1,2,3,6,7,8-HxCDF	5.30E-06	4.80E-05	ND	U (B)	0.1	<b>ND</b>
1,2,3,7,8,9-HxCDD	4.80E-06	4.80E-05	1.60E-05	J (DNQ)	0.1	<b>ND</b>
1,2,3,7,8,9-HxCDF	5.50E-06	4.80E-05	ND	U (B)	0.1	<b>ND</b>
1,2,3,7,8-PeCDD	7.90E-06	1.60E-05	ND	UJ (*III)	1	<b>ND</b>
1,2,3,7,8-PeCDF	4.10E-06	1.30E-05	ND	UJ (*III)	0.05	<b>ND</b>
2,3,4,6,7,8-HxCDF	4.70E-06	4.80E-05	ND	U (B)	0.1	<b>ND</b>
2,3,4,7,8-PeCDF	4.80E-06	1.40E-05	ND	UJ (*III)	0.5	<b>ND</b>
2,3,7,8-TCDD	3.00E-06	2.80E-06	ND	UJ (*III)	1	<b>ND</b>
2,3,7,8-TCDF	3.30E-06	9.60E-06	ND	U	0.1	<b>ND</b>
OCDD	1.50E-05	9.60E-05	7.40E-04	--	0.0001	<b>7.40E-08</b>
OCDF	9.60E-06	9.60E-05	1.20E-04	--	0.0001	<b>1.20E-08</b>

<b>TCDD TEQ w/out DNQ Values</b>	<b>8.76E-07</b>
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**TCDD TEQ PERMIT LIMIT = 2.80E-08**

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

**OUTFALL 010 (Building 203)**

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

**Sample Type: Composite**

**Sample Date: February 5-6, 2010**

<b>ANALYTE</b>	<b>LAB LOD (ug/L)</b>	<b>LAB RL (ug/L)</b>	<b>LAB RESULT (ug/L)</b>	<b>VALIDATION QUALIFIER</b>	<b>1998 WHO TEF</b>	<b>TCDD Equivalent (w/out DNQ Values) (ug/L)</b>
1,2,3,4,6,7,8-HpCDD	1.80E-06	5.00E-05	1.40E-04	--	0.01	<b>1.40E-06</b>
1,2,3,4,6,7,8-HpCDF	8.80E-07	5.00E-05	3.80E-05	J (DNQ)	0.01	<b>ND</b>
1,2,3,4,7,8,9-HpCDF	1.50E-06	8.00E-06	ND	UJ (*III)	0.01	<b>ND</b>
1,2,3,4,7,8-HxCDD	4.40E-07	5.00E-05	4.40E-06	J (DNQ)	0.1	<b>ND</b>
1,2,3,4,7,8-HxCDF	4.80E-07	5.00E-05	5.30E-06	J (DNQ)	0.1	<b>ND</b>
1,2,3,6,7,8-HxCDD	3.70E-07	5.00E-05	6.70E-06	J (DNQ)	0.1	<b>ND</b>
1,2,3,6,7,8-HxCDF	4.00E-07	3.60E-06	ND	UJ (*III)	0.1	<b>ND</b>
1,2,3,7,8,9-HxCDD	3.40E-07	5.00E-05	4.50E-06	J (DNQ)	0.1	<b>ND</b>
1,2,3,7,8,9-HxCDF	5.40E-07	3.00E-06	ND	UJ (*III)	0.1	<b>ND</b>
1,2,3,7,8-PeCDD	6.40E-07	3.00E-06	ND	UJ (*III)	1	<b>ND</b>
1,2,3,7,8-PeCDF	4.90E-07	5.00E-05	3.10E-06	J (DNQ)	0.05	<b>ND</b>
2,3,4,6,7,8-HxCDF	4.00E-07	5.00E-05	3.40E-06	J (DNQ)	0.1	<b>ND</b>
2,3,4,7,8-PeCDF	5.90E-07	5.00E-05	3.50E-06	J (DNQ)	0.5	<b>ND</b>
2,3,7,8-TCDD	4.00E-07	1.10E-06	ND	UJ (*III)	1	<b>ND</b>
2,3,7,8-TCDF	2.00E-06	1.00E-05	ND	U	0.1	<b>ND</b>
OCDD	2.90E-06	1.00E-04	1.40E-03	--	0.0001	<b>1.40E-07</b>
OCDF	1.90E-06	1.00E-04	3.80E-04	--	0.0001	<b>3.80E-08</b>

<b>TCDD TEQ w/out DNQ Values</b>	<b>1.58E-06</b>
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**TCDD TEQ PERMIT LIMIT = 2.80E-08**

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

**OUTFALL 010 (Building 203)**

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

**Sample Type: Composite**

**Sample Date: February 27-28, 2010**

<b>ANALYTE</b>	<b>LAB LOD (ug/L)</b>	<b>LAB RL (ug/L)</b>	<b>LAB RESULT (ug/L)</b>	<b>VALIDATION QUALIFIER</b>	<b>1998 WHO TEF</b>	<b>TCDD Equivalent (w/out DNQ Values) (ug/L)</b>
1,2,3,4,6,7,8-HpCDD	2.70E-05	4.70E-05	9.00E-05	--	0.01	<b>9.00E-07</b>
1,2,3,4,6,7,8-HpCDF	7.50E-06	4.70E-05	1.90E-05	J (DNQ)	0.01	<b>ND</b>
1,2,3,4,7,8,9-HpCDF	1.00E-05	4.70E-05	ND	U	0.01	<b>ND</b>
1,2,3,4,7,8-HxCDD	1.10E-05	4.70E-05	ND	U	0.1	<b>ND</b>
1,2,3,4,7,8-HxCDF	4.00E-06	4.70E-05	ND	U	0.1	<b>ND</b>
1,2,3,6,7,8-HxCDD	9.20E-06	4.70E-05	ND	U	0.1	<b>ND</b>
1,2,3,6,7,8-HxCDF	3.50E-06	4.70E-05	ND	U	0.1	<b>ND</b>
1,2,3,7,8,9-HxCDD	7.90E-06	4.70E-05	ND	U	0.1	<b>ND</b>
1,2,3,7,8,9-HxCDF	3.80E-06	4.70E-05	ND	U	0.1	<b>ND</b>
1,2,3,7,8-PeCDD	7.70E-06	4.70E-05	ND	U	1	<b>ND</b>
1,2,3,7,8-PeCDF	3.60E-06	4.70E-05	ND	U	0.05	<b>ND</b>
2,3,4,6,7,8-HxCDF	3.40E-05	4.70E-05	ND	U	0.1	<b>ND</b>
2,3,4,7,8-PeCDF	4.50E-06	4.70E-05	ND	U	0.5	<b>ND</b>
2,3,7,8-TCDD	3.50E-06	9.40E-06	ND	U	1	<b>ND</b>
2,3,7,8-TCDF	2.00E-06	9.40E-06	ND	U	0.1	<b>ND</b>
OCDD	3.20E-05	9.40E-05	9.60E-04	--	0.0001	<b>9.60E-08</b>
OCDF	1.40E-05	9.40E-05	2.10E-04	--	0.0001	<b>2.10E-08</b>

<b>TCDD TEQ w/out DNQ Values</b>	<b>1.02E-06</b>
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**TCDD TEQ PERMIT LIMIT = 2.80E-08**

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

**OUTFALL 010 (Building 203)**

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

**Sample Type: Grab**

**Sample Date: April 5, 2010**

<b>ANALYTE</b>	<b>LAB LOD (ug/L)</b>	<b>LAB RL (ug/L)</b>	<b>LAB RESULT (ug/L)</b>	<b>VALIDATION QUALIFIER</b>	<b>1998 WHO TEF</b>	<b>TCDD Equivalent (w/out DNQ Values) (ug/L)</b>
1,2,3,4,6,7,8-HpCDD	8.60E-07	5.00E-05	ND	U (B)	0.01	ND
1,2,3,4,6,7,8-HpCDF	4.50E-07	5.00E-05	ND	U (B)	0.01	ND
1,2,3,4,7,8,9-HpCDF	7.50E-07	5.00E-05	ND	U	0.01	ND
1,2,3,4,7,8-HxCDD	4.30E-07	5.00E-05	ND	U (B)	0.1	ND
1,2,3,4,7,8-HxCDF	3.70E-07	5.00E-05	ND	U	0.1	ND
1,2,3,6,7,8-HxCDD	3.90E-07	5.00E-05	ND	U (B)	0.1	ND
1,2,3,6,7,8-HxCDF	3.30E-07	5.00E-05	ND	U	0.1	ND
1,2,3,7,8,9-HxCDD	3.40E-07	5.00E-05	ND	U	0.1	ND
1,2,3,7,8,9-HxCDF	3.60E-07	5.00E-05	ND	U	0.1	ND
1,2,3,7,8-PeCDD	7.80E-07	5.00E-05	ND	U	1	ND
1,2,3,7,8-PeCDF	5.90E-07	5.00E-05	ND	U	0.05	ND
2,3,4,6,7,8-HxCDF	2.80E-07	5.00E-05	ND	U	0.1	ND
2,3,4,7,8-PeCDF	6.80E-07	5.00E-05	ND	U	0.5	ND
2,3,7,8-TCDD	5.00E-07	1.00E-05	ND	U	1	ND
2,3,7,8-TCDF	3.30E-07	1.00E-05	ND	U	0.1	ND
OCDD	8.70E-07	2.00E-04	ND	U (B)	0.0001	ND
OCDF	4.90E-07	1.00E-04	ND	U (B)	0.0001	ND

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

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

## OUTFALL 010 (Building 203)

### 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	01/19/2010 (Comp)			02/06/2010 (Comp)		
			RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER
<b>RADIOACTIVITY</b>								
Gross Alpha	pCi/L	15/-	1.2 ± 1.2	1.9	UJ (H, C)	2.7 ± 1.3	1.4	J (H, C, DNQ)
Gross Beta	pCi/L	50/-	3.61 ± 0.97	1.2	J (H, DNQ)	5.8 ± 1.1	1	J (H)
Strontium-90	pCi/L	8.0/-	0.13 ± 0.24	0.4	U	0.08 ± 0.24	0.4	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	-0.34 ± 0.622	1.33	U	0.24 ± 0.294	ANR	R
Tritium	pCi/L	20000/-	410 ± 140	140	U (B)	1060 ± 200	90	--
Uranium, Total	pCi/L	20/-	0.148 ± 0.025	ANR	R (H)	0.422 ± 0.047	0.21	J (H, DNQ)
Potassium-40	pCi/L	-/-	-50 ± 380	290	U	-60 ± 250	250	U
Cesium 137	pCi/L	200/-	2.3 ± 9.9	18	U	4.3 ± 6.8	11	U

**OUTFALL 010 (Building 203)**

**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	02/28/2010 (Comp)			04/05/2010 (Grab)		
			RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER
<b>RADIOACTIVITY</b>								
Gross Alpha	pCi/L	15/-	1.9 ± 1.5	2.3	UJ (H, C)	0.91 ± 0.89	1.4	UJ (C)
Gross Beta	pCi/L	50/-	4.5 ± 1.1	1.3	J (H)	ND < 4 ± 0.89	1.1	U (B)
Strontium-90	pCi/L	8.0/-	0.08 ± 0.25	0.44	U	-0.007 ± 0.22	0.38	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.15 ± 0.373	0.80	U	0.21 ± 0.42	0.83	U
Tritium	pCi/L	20000/-	ND < 500 ± 92	130	U (B)	50 ± 190	330	U
Uranium, Total	pCi/L	20/-	ND < 0.693 ± 0.062	0.21	UJ (B, H)	ND < 0.677 ± 0.037	0.21	U (B)
Potassium-40	pCi/L	-/-	-50 ± 310	250	U	-40 ± 280	270	U
Cesium 137	pCi/L	200/-	0.4 ± 7.7	15	U	1.1 ± 7.4	14	U



**OUTFALL 010 (Building 203)**

**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			02/05/2010-02/06/2010		
			Sample Type	Result	Concentration Result Validation Qualifier	Sample Type	Result	Concentration Result Validation Qualifier
Max Discharge for event	MGD	17.8	Meas	0.025955		Meas	0.018005	
Chloride	LBS/DAY	22,268/-	Comp	1.47	*	Comp	1.10	--
Fluoride	LBS/DAY	238/-	ANR	ANR	ANR	Comp	0.03	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	Comp	0.15	*	Comp	0.09	--
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*	Grab	ND	U
Perchlorate	LBS/DAY	0.89/-	ANR	ANR	ANR	Comp	ND	U
Sulfate	LBS/DAY	37,113/-	Comp	1.13	*	Comp	1.11	--
Total Dissolved Solids	LBS/DAY	126,184/-	Comp	21.65	*	Comp	24.03	--
Antimony	LBS/DAY	0.89/-	Comp	0.00	Ja* (DNQ)	Comp	ND	UJ (B)
Boron	LBS/DAY	148/-	ANR	ANR	ANR	Comp	0.01	J (DNQ)
Cadmium	LBS/DAY	0.59/-	Comp	ND	*	Comp	ND	UJ (B, R)
Copper	LBS/DAY	2.08/-	Comp	0.0009	*	Comp	0.0007	J (*III)
Lead	LBS/DAY	0.77/-	Comp	0.0004	*	Comp	0.0003	--
Mercury	LBS/DAY	0.02/-	Comp	ND	U	Comp	ND	U
Nickel	LBS/DAY	14.9/-	ANR	ANR	ANR	Comp	ND	UJ (R)
Thallium	LBS/DAY	0.3/-	Comp	ND	*	Comp	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	4.2E-09/-	Comp	1.90E-10	--	Comp	2.37E-10	--

**OUTFALL 010 (Building 203)**

**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	02/27/2010-02/28/2010		
			Sample Type	Result	Concentration Result Validation Qualifier
Max Discharge for event	MGD	17.8	Meas	0.01067	
Chloride	LBS/DAY	22,268/-	Comp	1.07	M1*
Fluoride	LBS/DAY	238/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	Comp	0.07	*
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*
Perchlorate	LBS/DAY	0.89/-	ANR	ANR	ANR
Sulfate	LBS/DAY	37,113/-	Comp	0.98	*
Total Dissolved Solids	LBS/DAY	126,184/-	Comp	16.02	*
Antimony	LBS/DAY	0.89/-	Comp	0.00	Ja* (DNQ)
Boron	LBS/DAY	148/-	ANR	ANR	ANR
Cadmium	LBS/DAY	0.59/-	Comp	0.00002	Ja* (DNQ)
Copper	LBS/DAY	2.08/-	Comp	0.0005	B*
Lead	LBS/DAY	0.77/-	Comp	0.0002	*
Mercury	LBS/DAY	0.02/-	Comp	ND	U
Nickel	LBS/DAY	14.9/-	ANR	ANR	ANR
Thallium	LBS/DAY	0.3/-	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	4.2E-09/-	Comp	9.05E-11	--

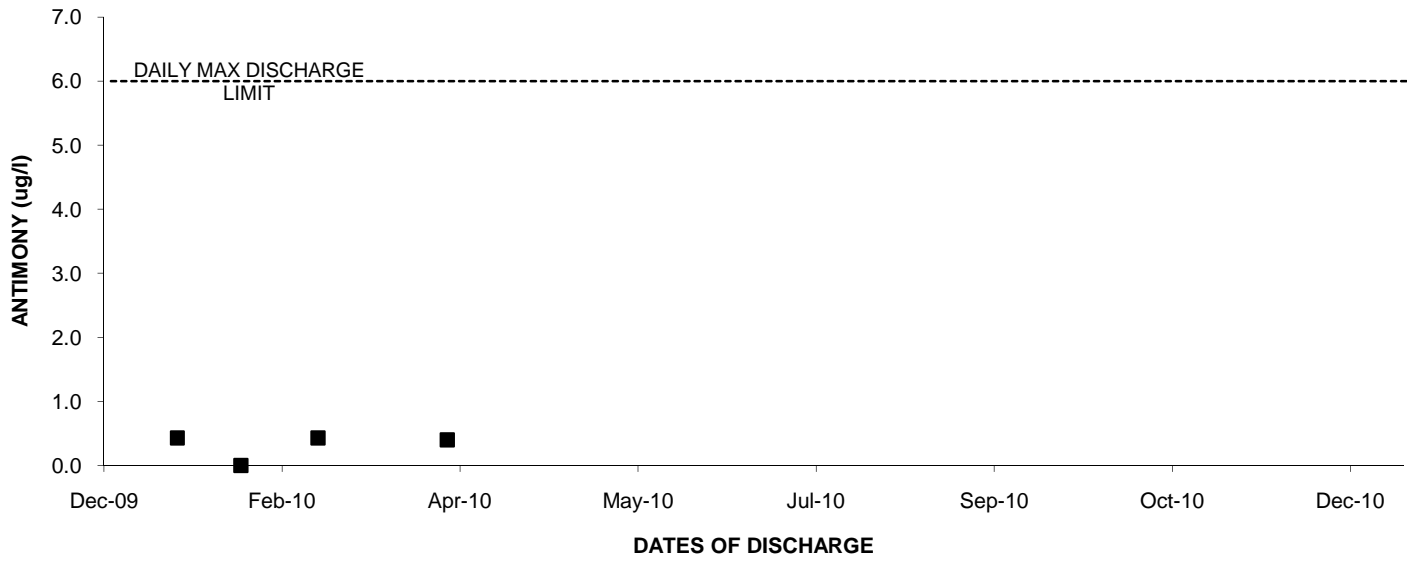
**BMP EFFECTIVENESS  
OUTFALL 010 (Building 203)**

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

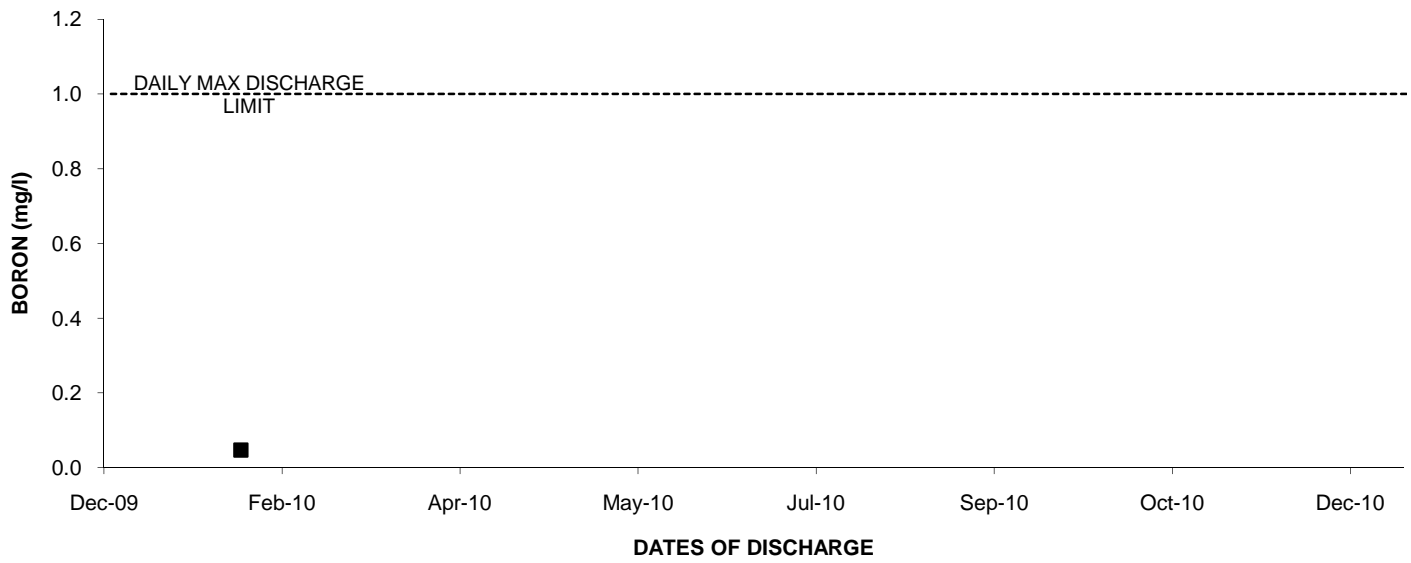
**January 1, 2010 through July 18, 2010**

<b>SAMPLE NAME</b>	<b>SAMPLE DATE</b>	<b>ANALYTE</b>	<b>UNITS</b>	<b>RESULT</b>
010 EFF-1	01/18/10	Density	g/cc	1.0*
010 EFF-1	01/18/10	Sediment	mg/L	ND <10*
010 EFF-2	01/18/10	Density	g/cc	1.0*
010 EFF-2	01/18/10	Sediment	mg/L	63*
010 EFF-1	02/06/10	Density	g/cc	1.0*
010 EFF-1	02/06/10	Sediment	mg/L	74*
010 EFF-1	02/28/10	Density	g/cc	1.0
010 EFF-1	02/28/10	Sediment	mg/L	45
010 EFF-1	4/5/2010	Density	g/cc	0.99*
010 EFF-1	4/5/2010	Sediment	mg/L	16*

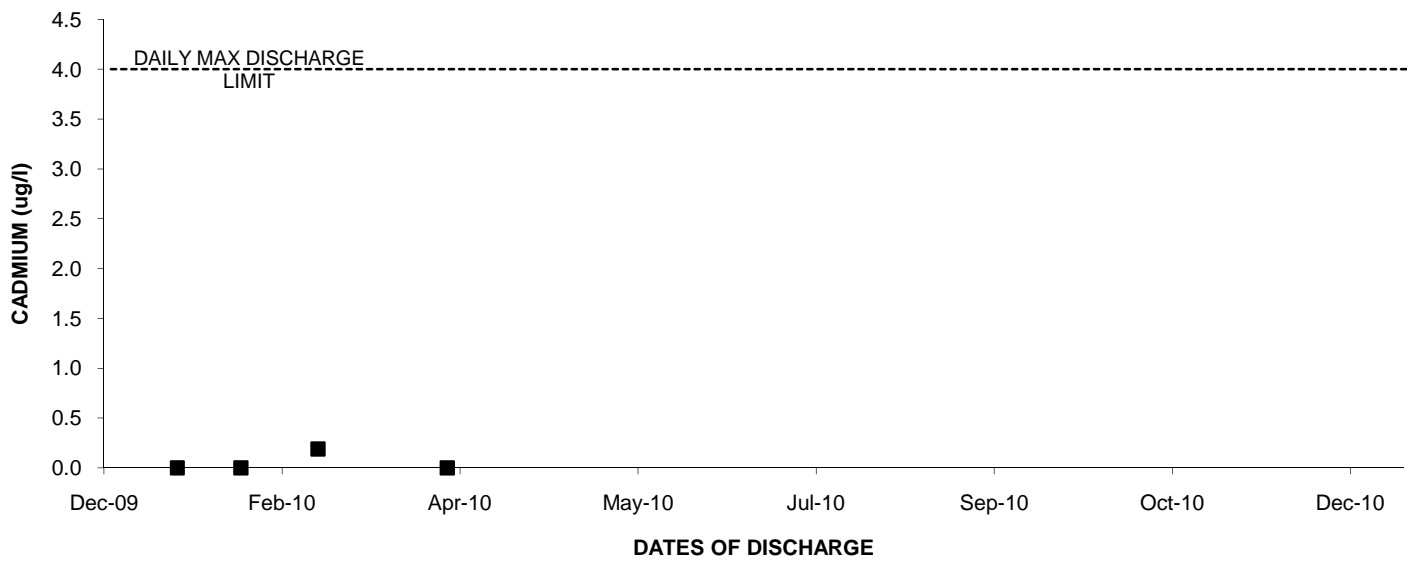
### 2010: Outfall 010 ANTIMONY



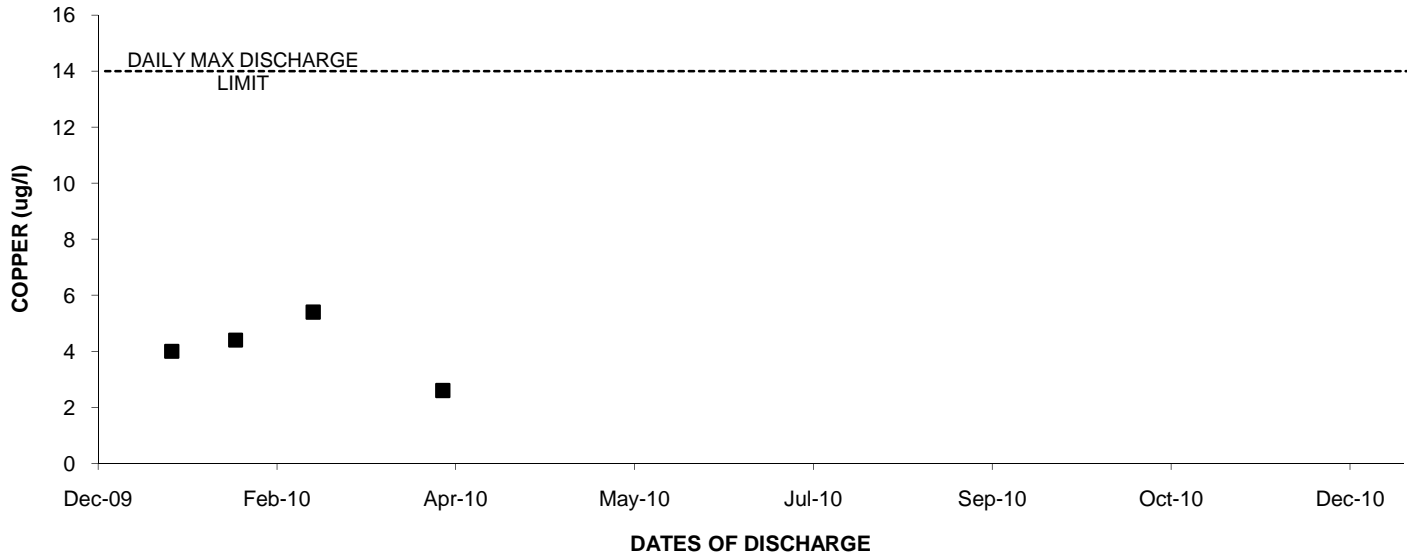
### 2010: Outfall 010 BORON



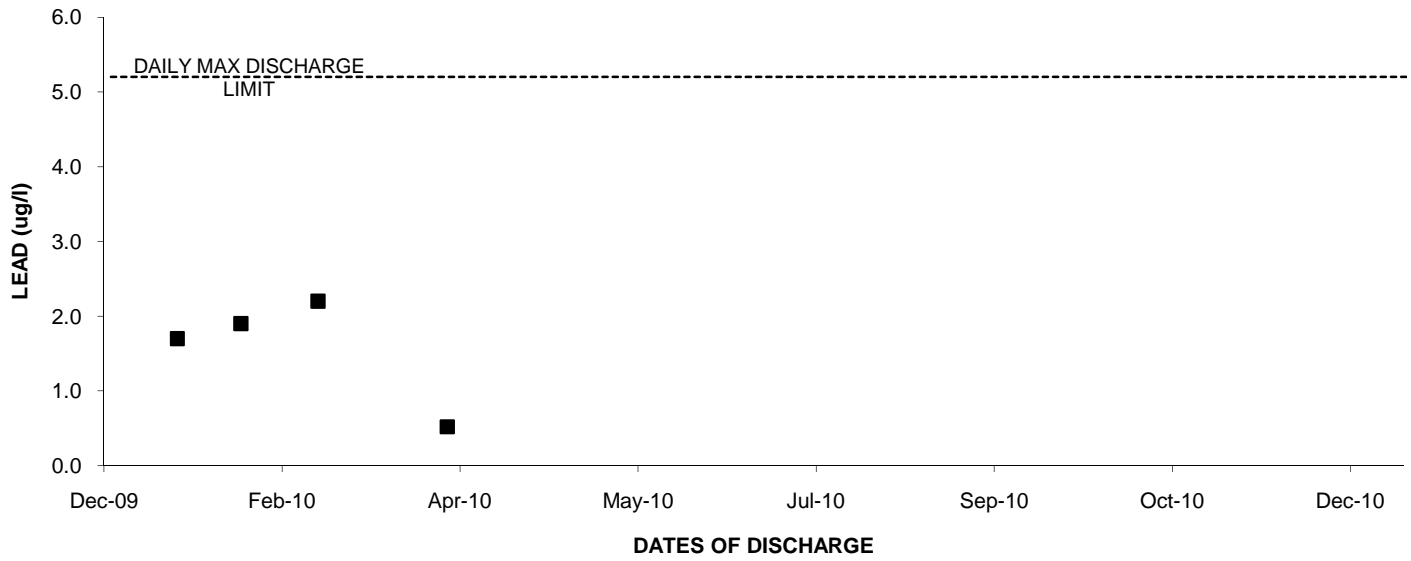
### 2010: Outfall 010 CADMIUM



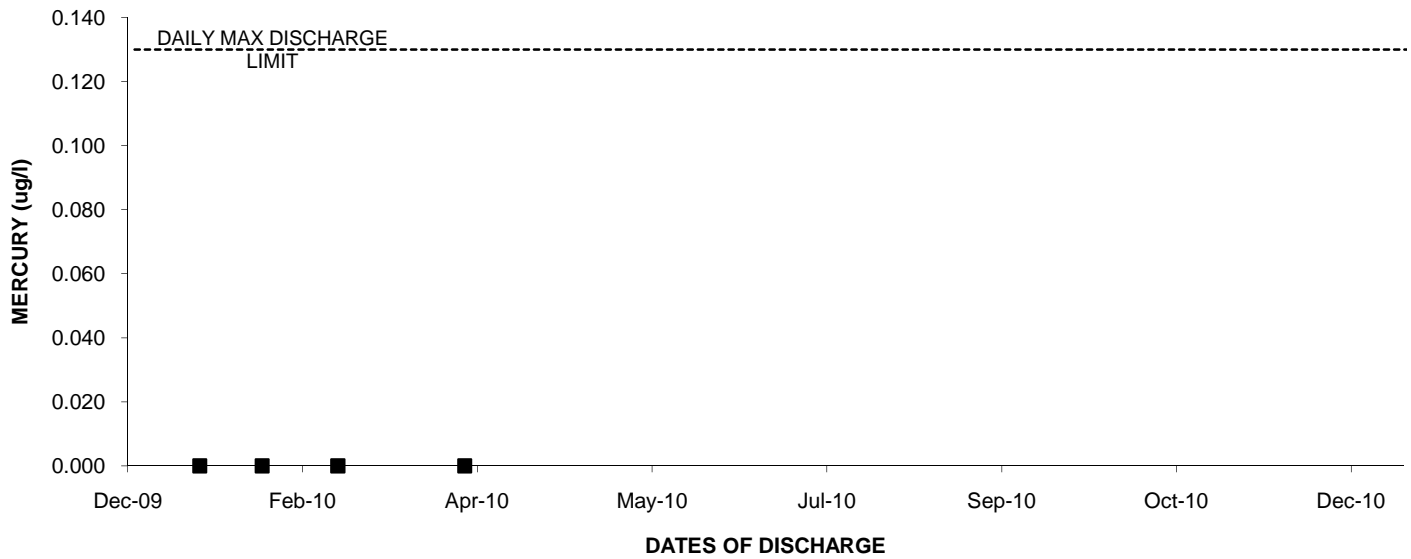
### 2010: Outfall 010 COPPER



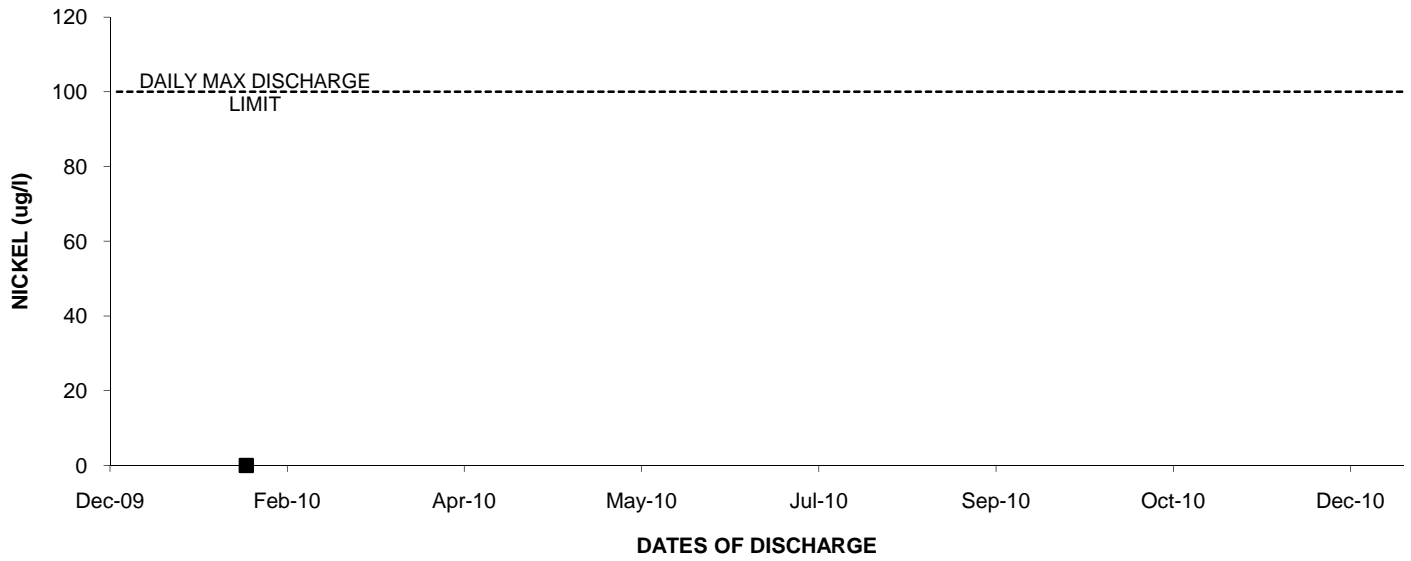
### 2010: Outfall 010 LEAD



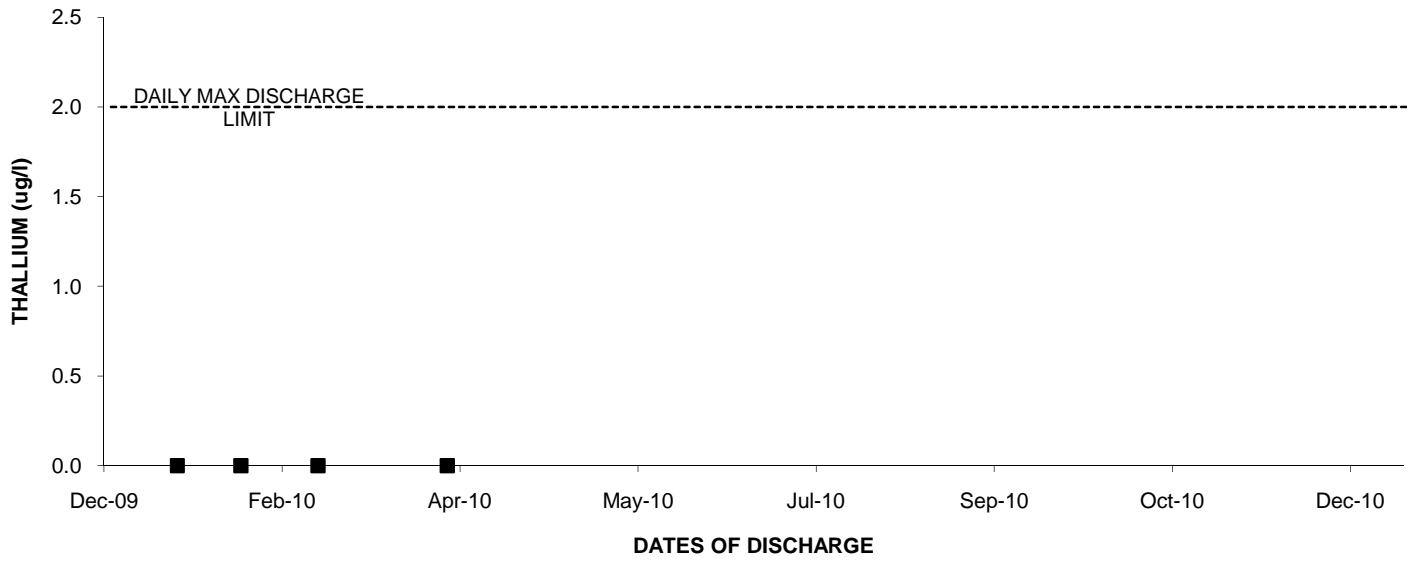
### 2010: Outfall 010 MERCURY



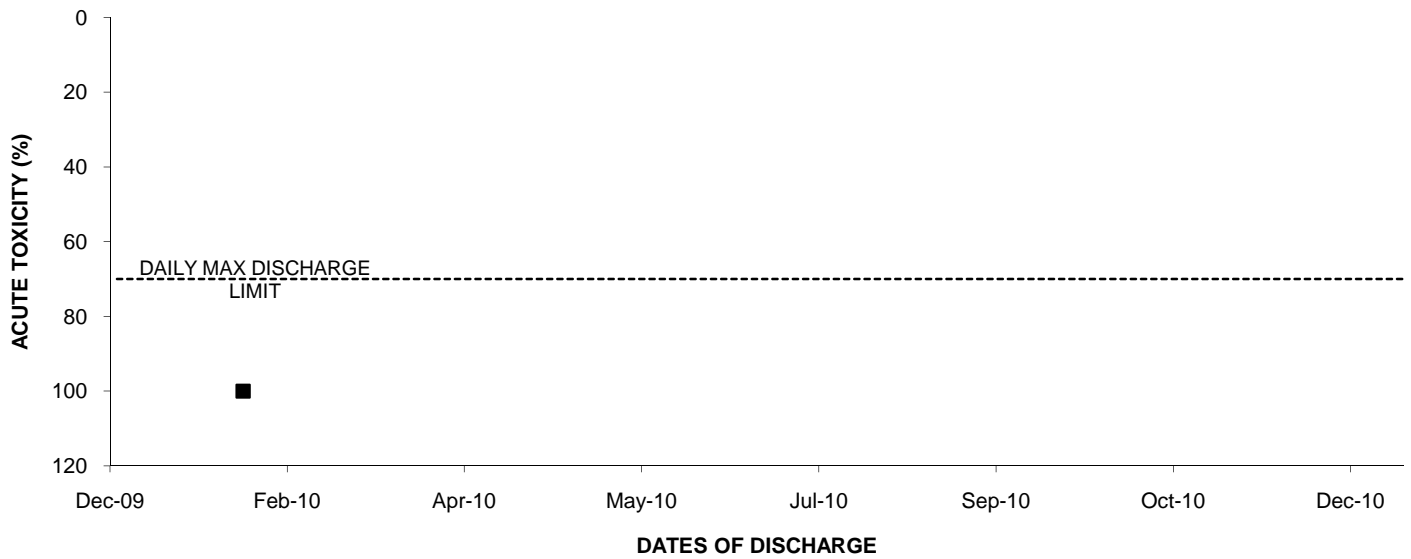
### 2010: Outfall 010 NICKEL



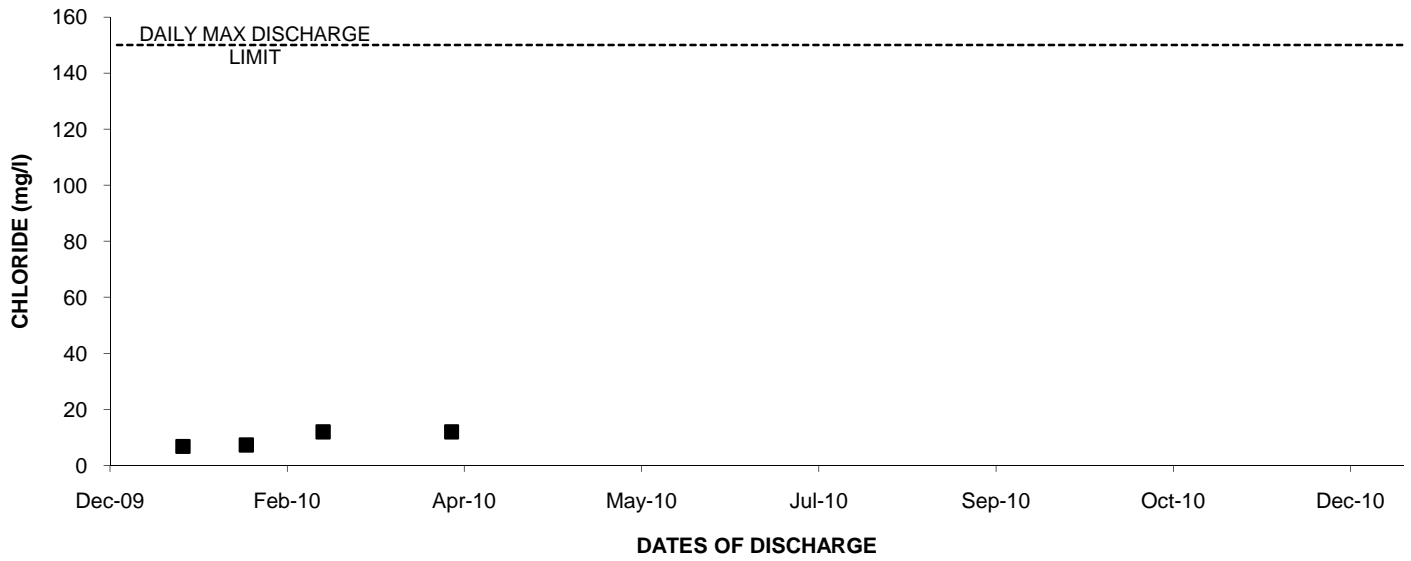
### 2010: Outfall 010 THALLIUM



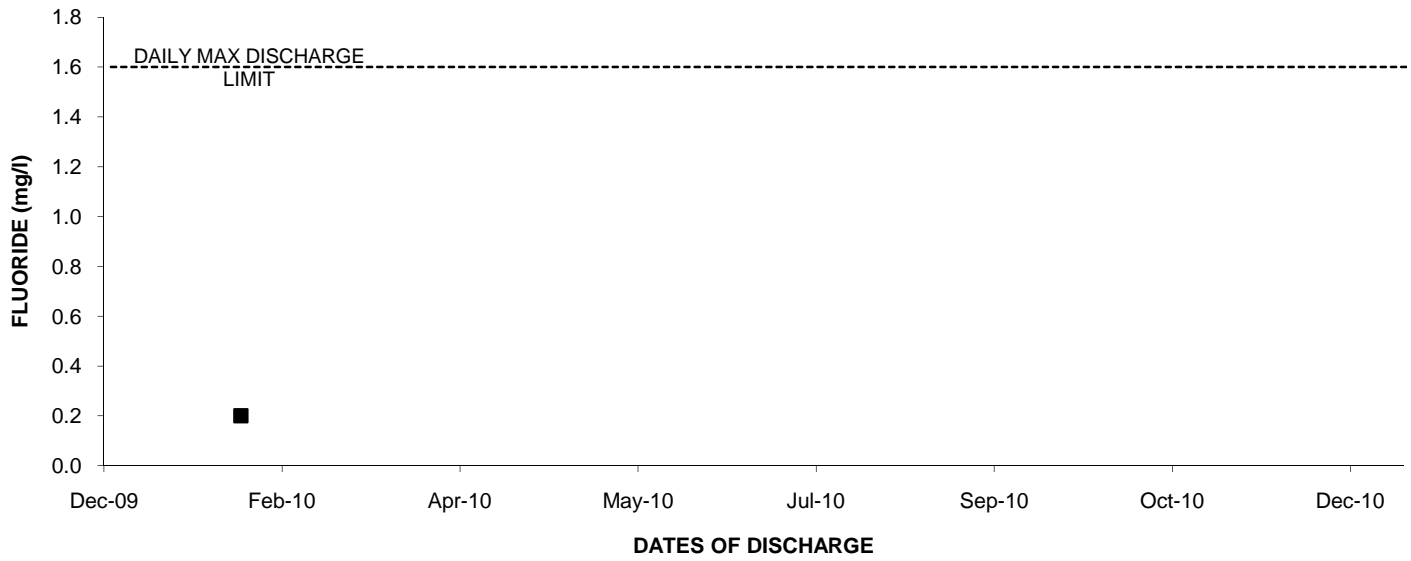
### 2010: Outfall 010 ACUTE TOXICITY



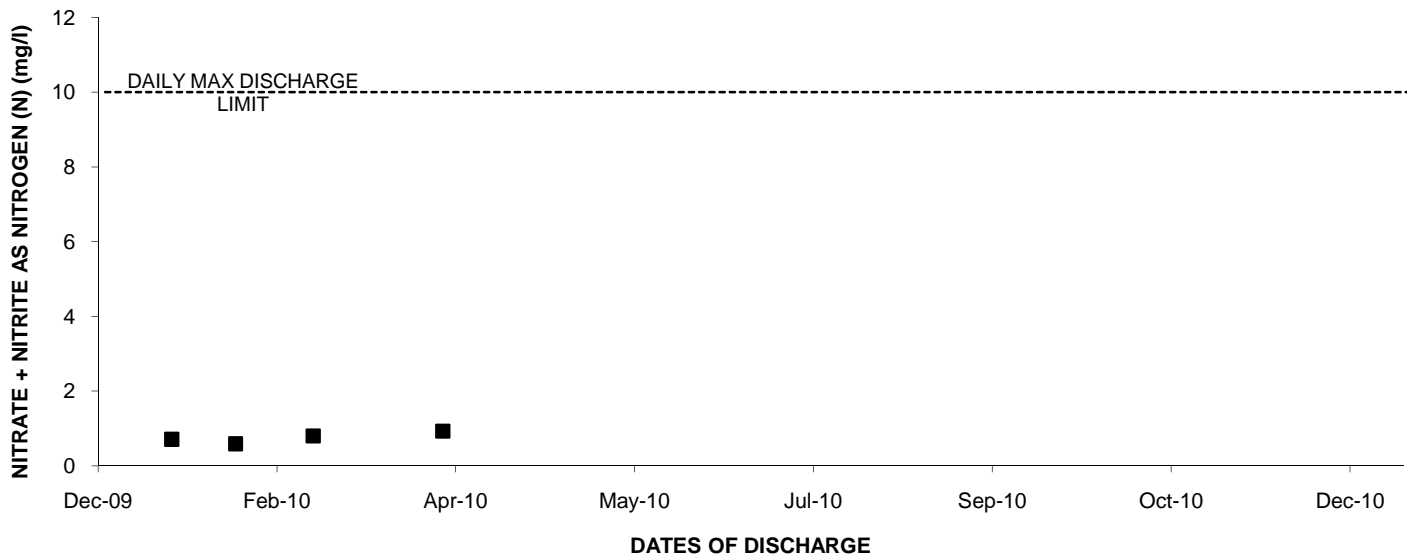
### 2010: Outfall 010 CHLORIDE



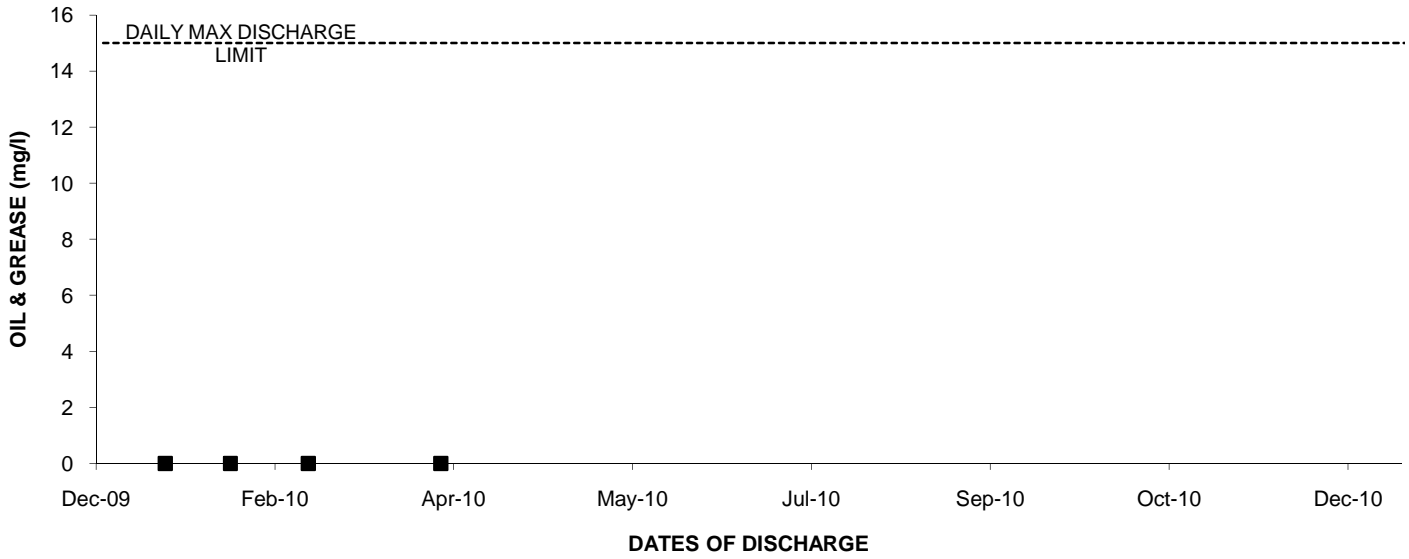
### 2010: Outfall 010 FLUORIDE



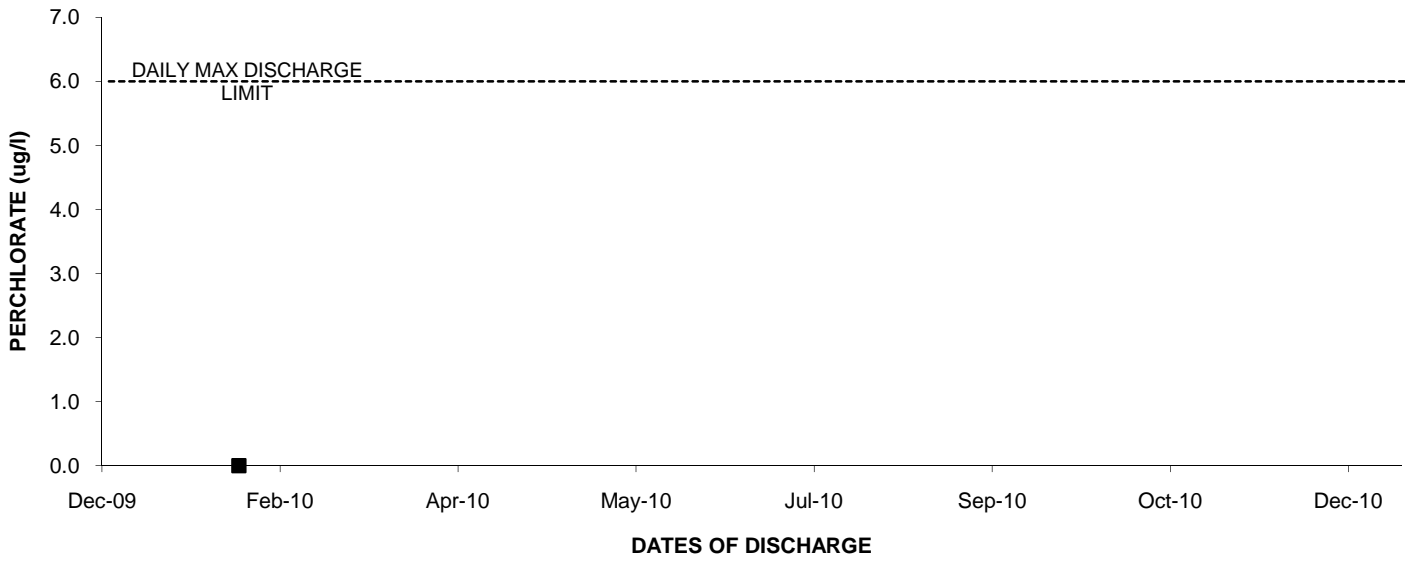
### 2010: Outfall 010 NITRATE + NITRITE AS NITROGEN (N)



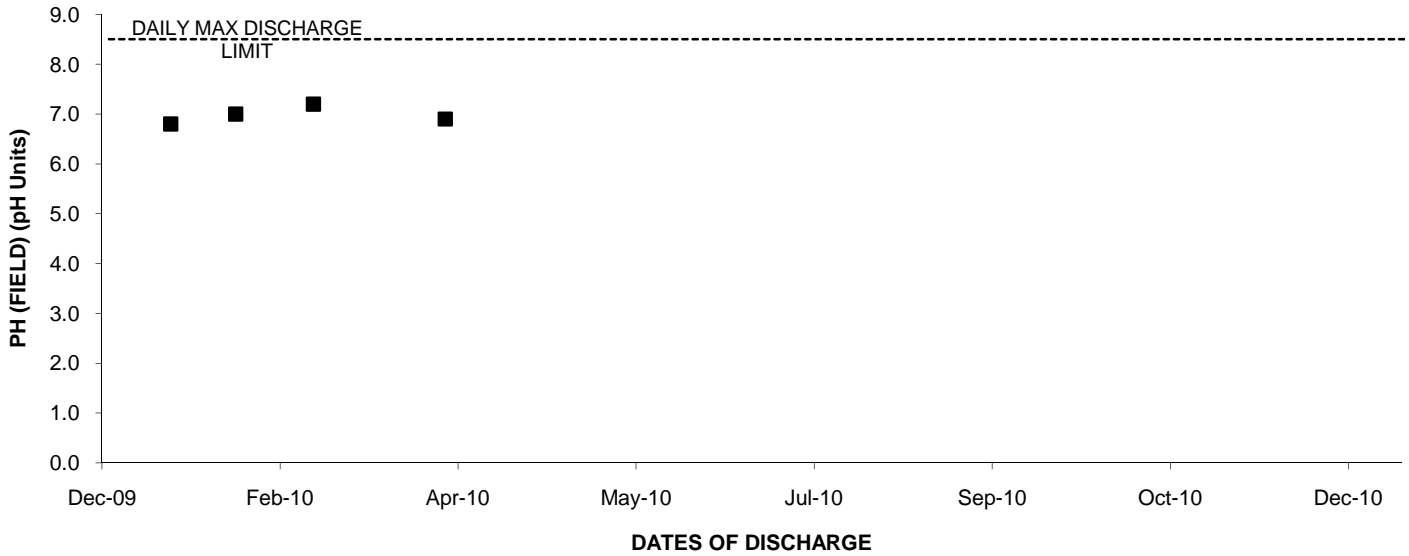
### 2010: Outfall 010 OIL & GREASE



### 2010: Outfall 010 PERCHLORATE

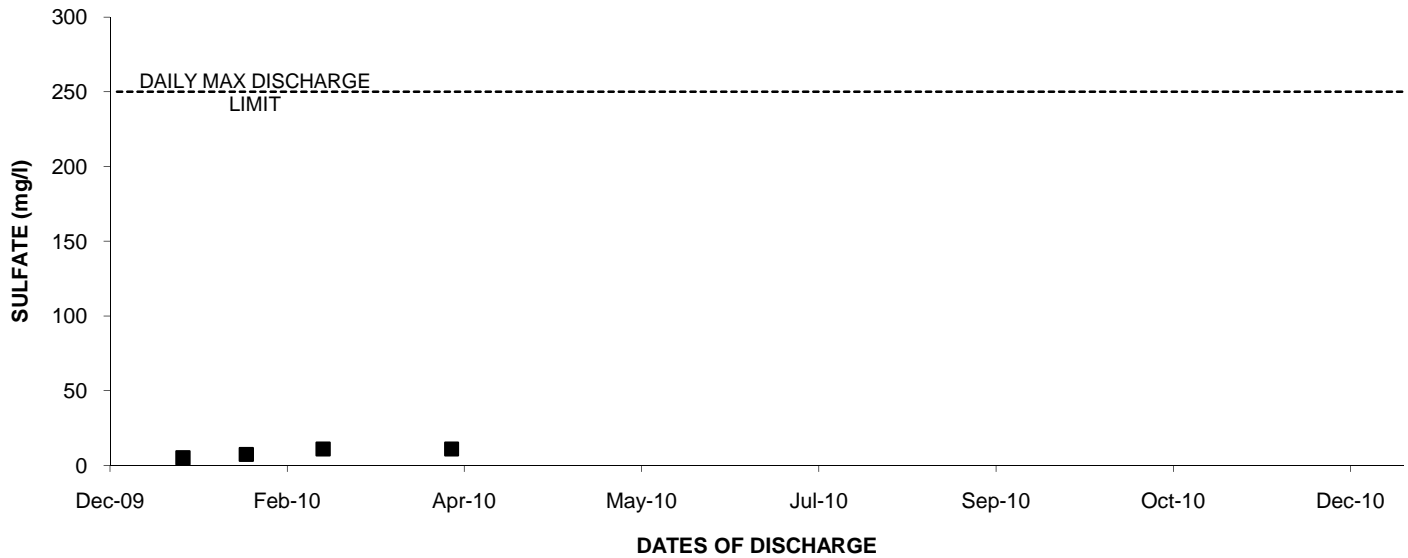


### 2010: Outfall 010 PH (FIELD)

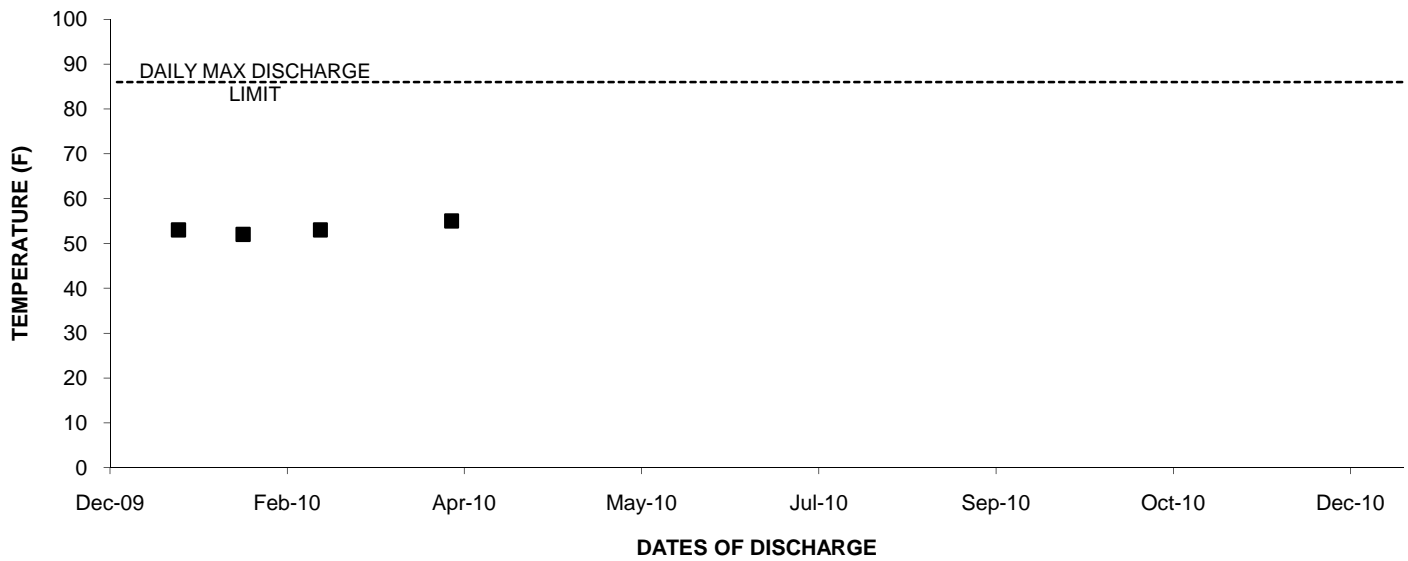




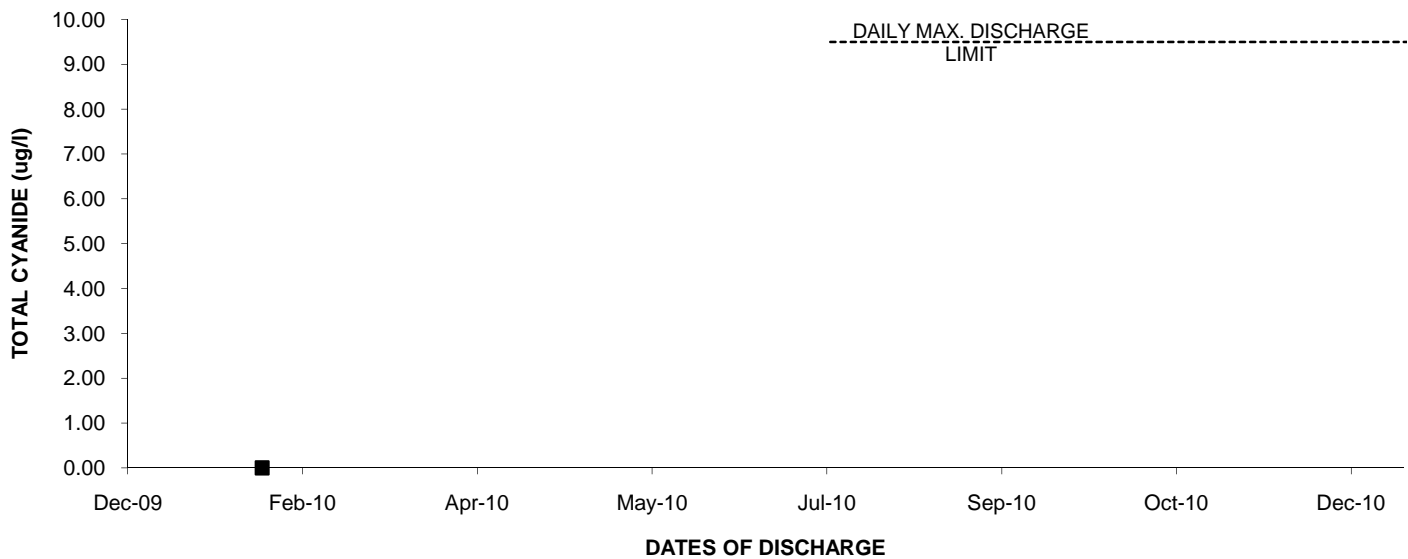
### 2010: Outfall 010 SULFATE



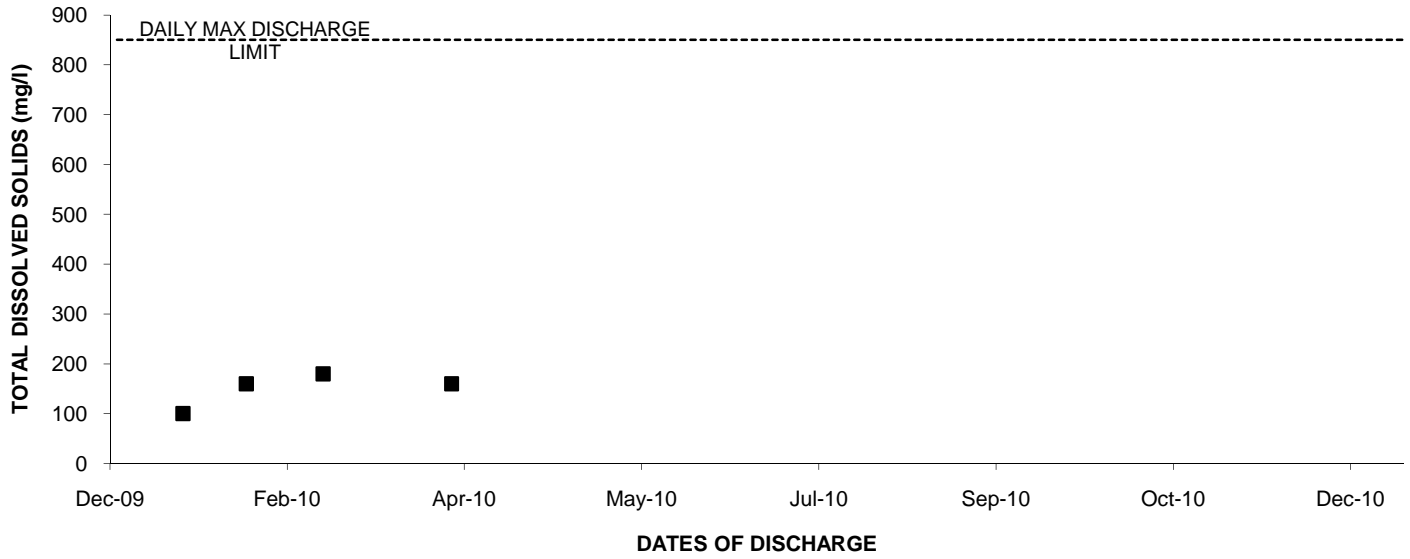
### 2010: Outfall 010 TEMPERATURE



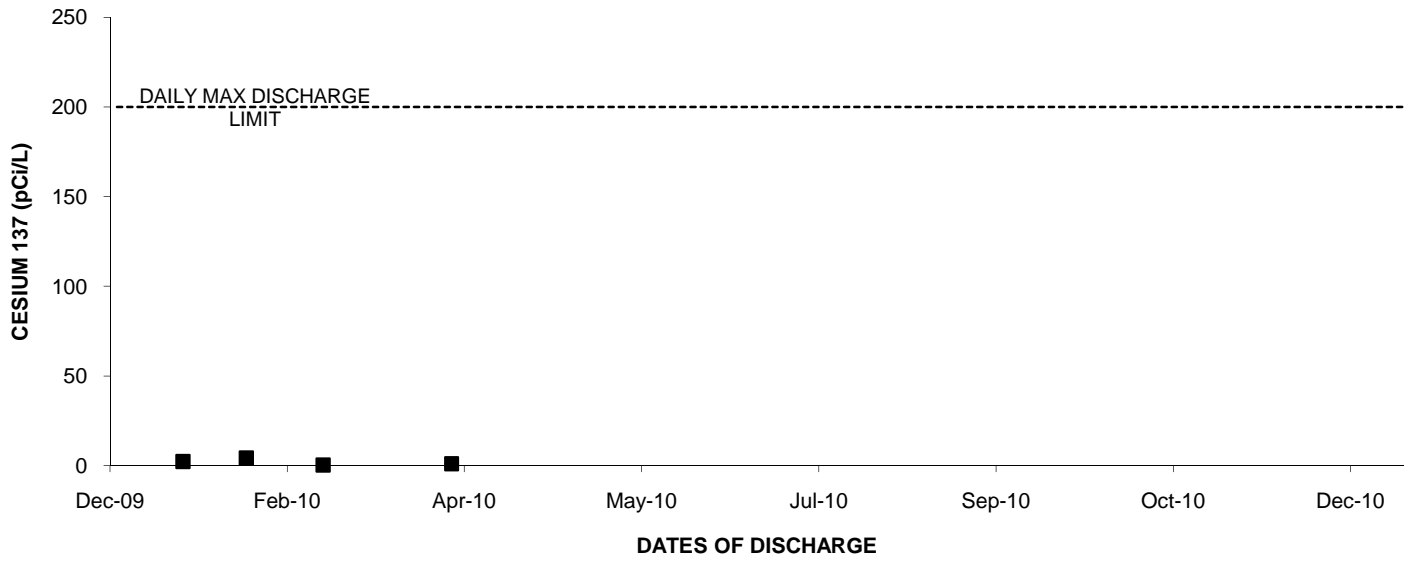
### 2010: Outfall 010 TOTAL CYANIDE



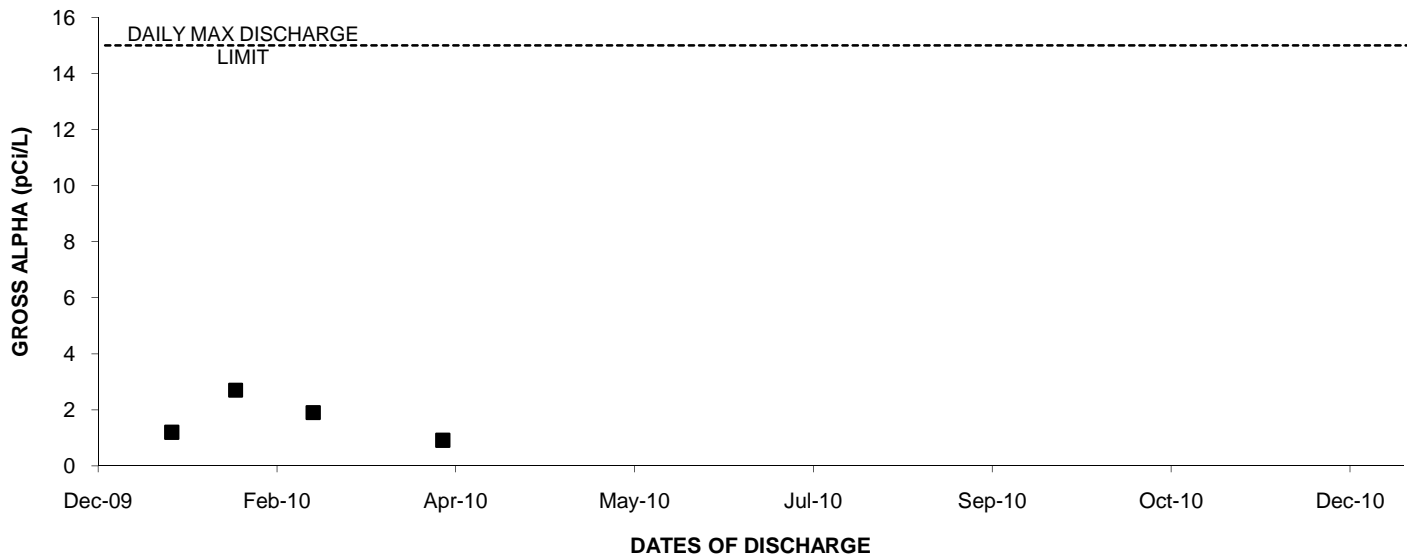
### 2010: Outfall 010 TOTAL DISSOLVED SOLIDS



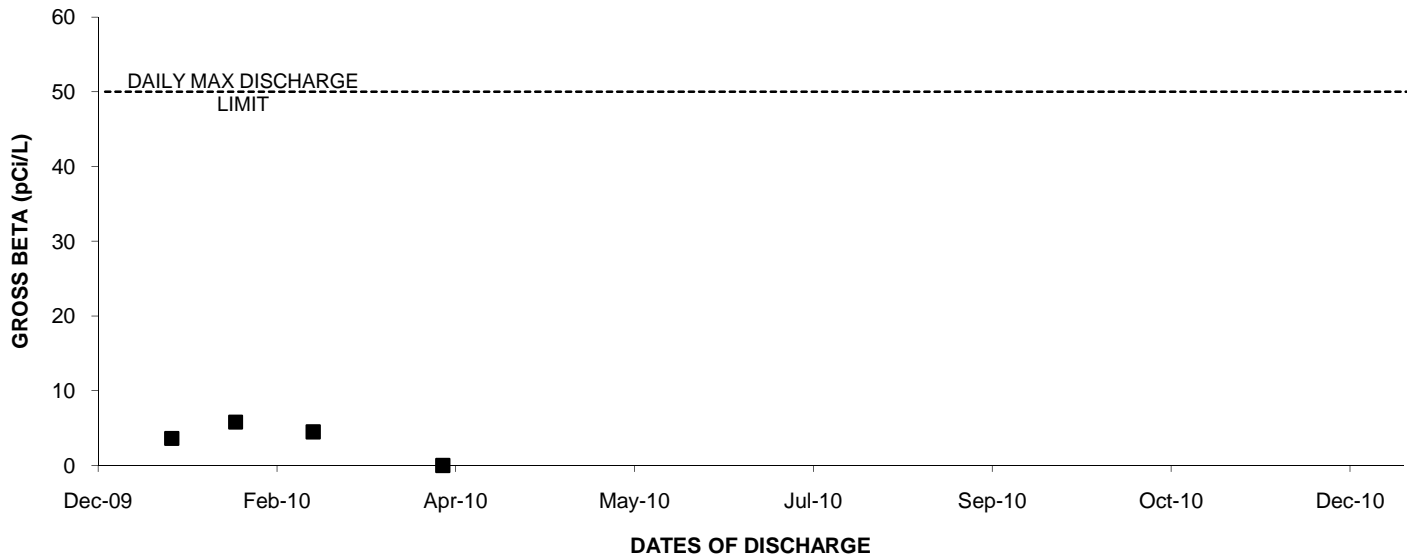
### 2010: Outfall 010 CESIUM 137



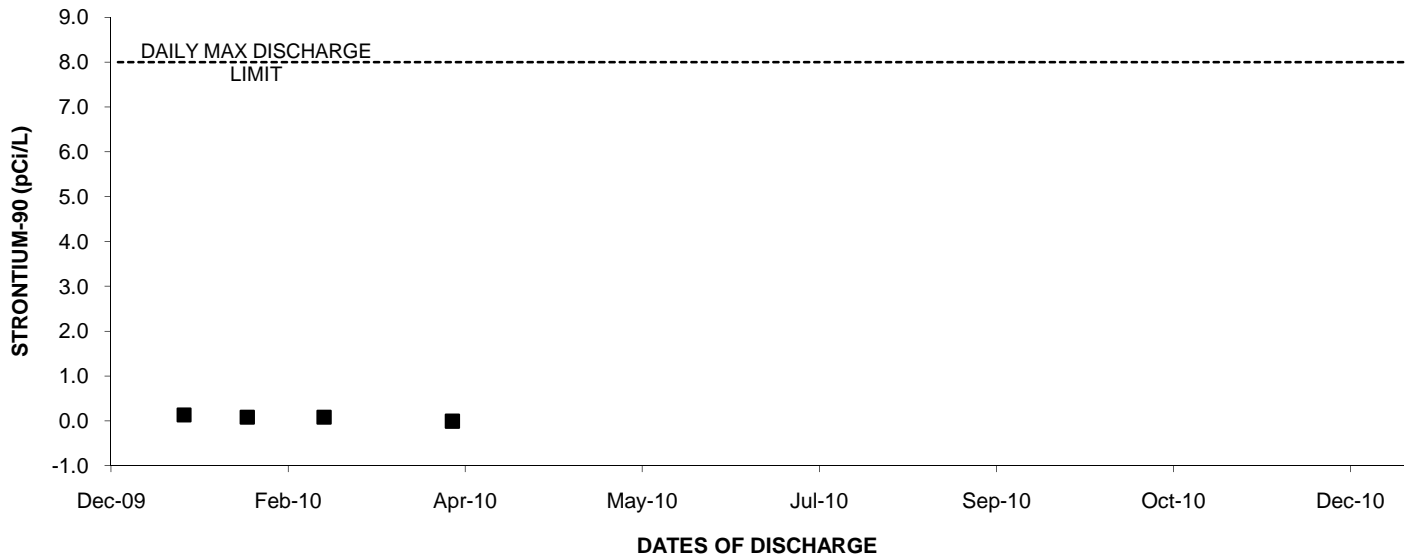
### 2010: Outfall 010 GROSS ALPHA



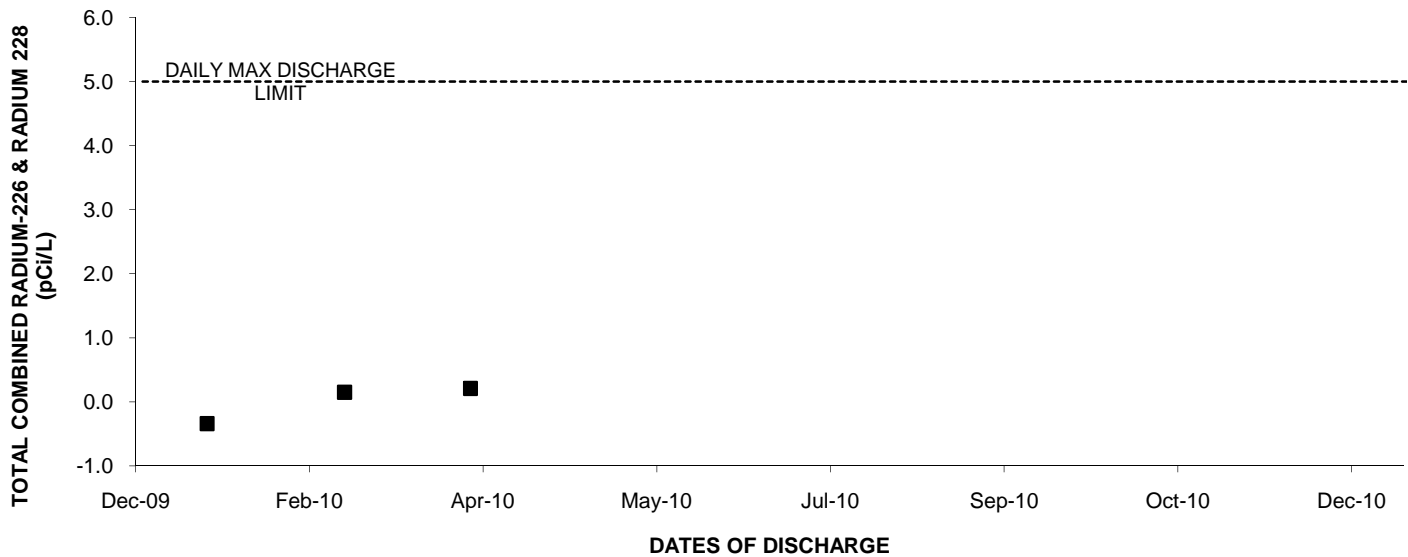
### 2010: Outfall 010 GROSS BETA



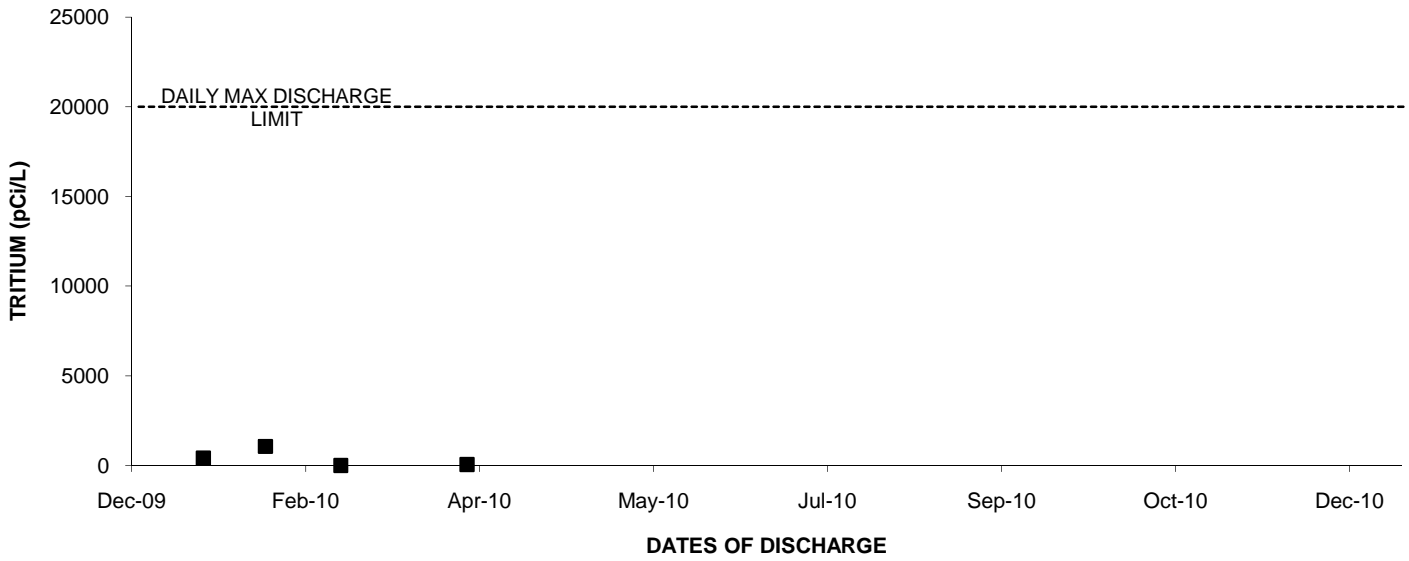
### 2010: Outfall 010 STRONTIUM-90



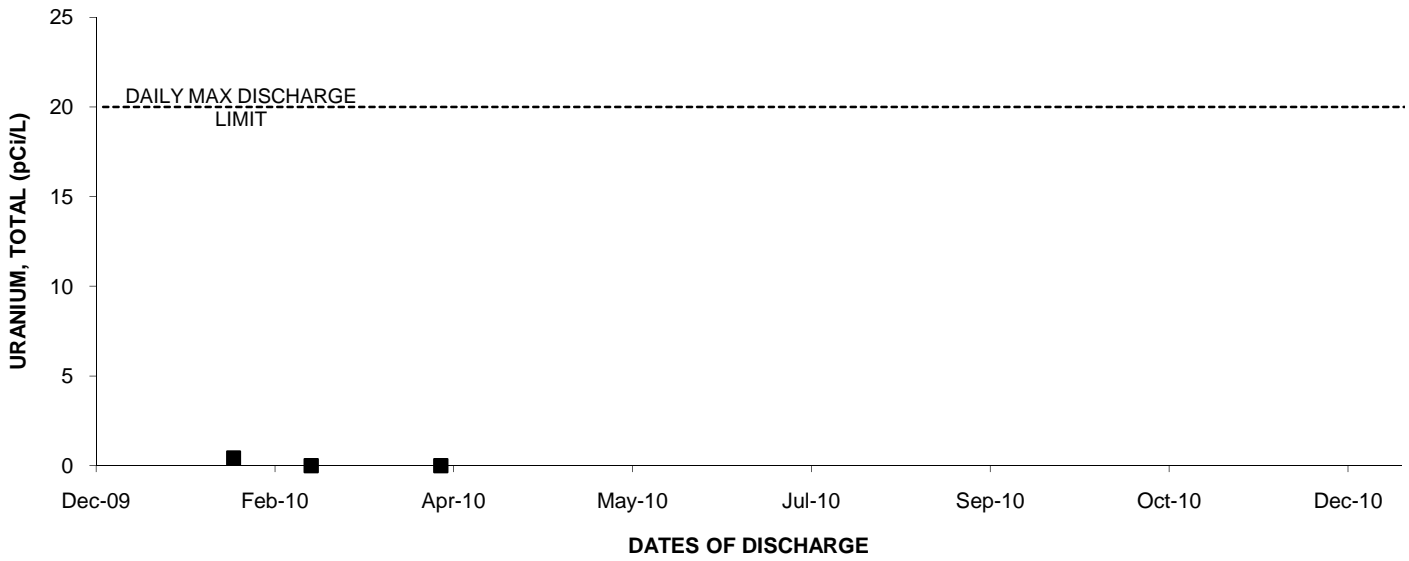
### 2010: Outfall 010 TOTAL COMBINED RADIUM-226 & RADIUM 228



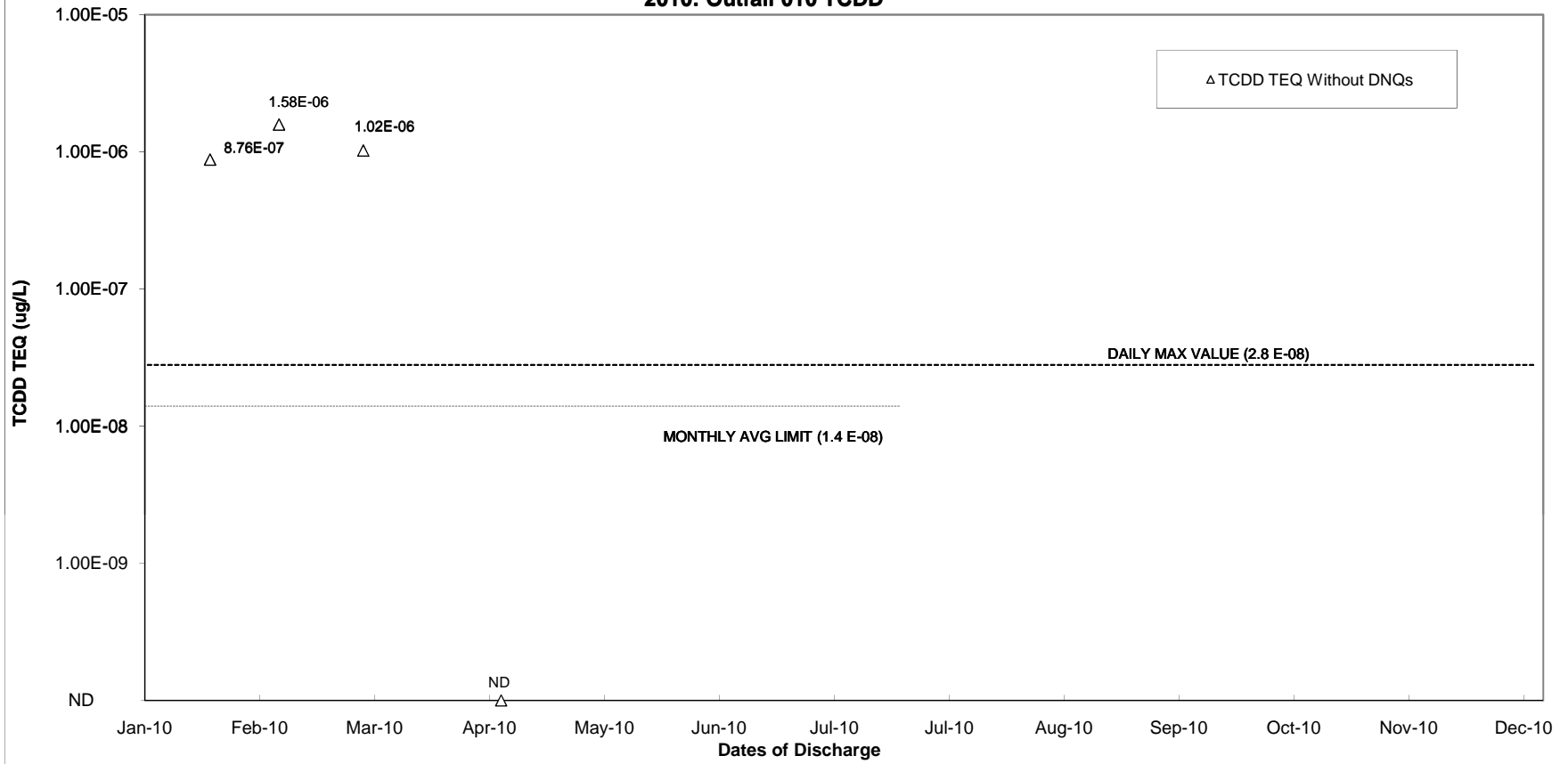
### 2010: Outfall 010 TRITIUM



### 2010: Outfall 010 URANIUM, TOTAL



### 2010: Outfall 010 TCDD



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