

**OUTFALL 011 (Perimeter Pond Weir)**

**ANNUAL 2008 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through December 31, 2008

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	1/27/2008		1/29/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	ND < 0.30	*	ANR	ANR
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	2.2	*	ANR	ANR
Chloride	mg/L	150/-	4.8	*	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	120	--	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	0.058	J* (DNQ)	ANR	ANR
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	3.5	*	ANR	ANR
Nitrate as Nitrogen (N)	mg/L	8.0/-	3.5	*	ANR	ANR
Nitrite-N	mg/L	1.0/-	ND < 0.090	*	ANR	ANR
Oil & Grease	mg/L	15/10	1.6	J* (DNQ)	ANR	ANR
Perchlorate	ug/L	6.0/-	ND < 1.5	*	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	7.6	*	ANR	ANR
Total Settleable Solids	ml/L	0.3/0.1	ND < 0.10	--	ANR	ANR
Sulfate	mg/L	300/-	9.0	*	ANR	ANR
Temperature	deg. F	86/-	50	*	ANR	ANR
Total Cyanide	ug/L	8.5/4.3	ND < 2.2	*	ANR	ANR
Total Dissolved Solids	mg/L	950/-	100	*	ANR	ANR
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	43	--	ANR	ANR
Turbidity	NTU	-/-	60	--	ANR	ANR
Volume Discharged	MGD	160/-	2.186	*	0.431	*
<b>METALS</b>						
Antimony	ug/L	6.0/-	ANR	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Cadmium	ug/L	3.1/2.0	0.20	J (DNQ)	ANR	ANR
Cadmium, dissolved	ug/L	-/-	ND < 0.11	U	ANR	ANR
Chromium	ug/L	16.3/8.1	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Chromium VI	ug/L	16.3/8.1	ANR	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Copper	ug/L	14.0/7.1	5.3	--	ANR	ANR

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Copper, dissolved	ug/L	-/-	4.8	--	ANR	ANR
Iron	mg/L	0.3/-	ANR	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	3.9	--	1.3	--
Lead, dissolved	ug/L	-/-	ND < 0.30	U	ANR	ANR
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	ND < 0.050	UJ (*III)	ANR	ANR
Mercury, dissolved	ug/L	-/-	ND < 0.050	UJ (*III)	ANR	ANR
Nickel	ug/L	96/35	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Selenium	ug/L	8.2/4.1	ND < 0.30	U	ANR	ANR
Selenium, dissolved	ug/L	-/-	ND < 0.30	U	ANR	ANR
Silver	ug/L	4.1/2.0	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Zinc	ug/L	119/54	59	--	13	J (DNQ)
Zinc, dissolved	ug/L	-/-	ND < 20	UJ (B)	ANR	ANR
<b>ORGANICS</b>						
Benzene	ug/L	-/-	ND < 0.28	U	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ND < 0.28	U	ANR	ANR
Chloroform	ug/L	-/-	ND < 0.33	U	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ND < 0.27	U	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ND < 0.28	U	ANR	ANR
1,1-Dichloroethene	ug/L	6.0/3.2	ND < 0.42	U	ANR	ANR
1,4-Dioxane	ug/L	-/-	ANR	ANR	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	5.0/-	ND < 0.26	U	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ND < 0.34	U	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR	ANR
Vinyl Chloride	ug/L	-/-	ND < 0.30	U	ANR	ANR
<b>TPH</b>						
EFH (C13 - C22)	mg/L	-/-	ANR	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR	ANR
TRPH	mg/L	-/-	ANR	ANR	ANR	ANR
<b>ADDITIONAL ANALYTES</b>						

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13.0/6.5	ND < 0.094	U	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18.3/9.1	ND < 0.19	U	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	ND < 0.0024	*	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR

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

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ND < 1.6	U	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	1.0	*	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin ketone	ug/L	-/-	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR
Methoxychlor	ug/L	-/-	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16.3/8.1	ND < 0.094	U	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	ND < 0.094	U	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	ANR	ANR	ND < 0.30	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	ANR	ANR	1.2	J* (DNQ)
Chloride	mg/L	150/-	ANR	ANR	9.9	*
Specific Conductivity (Lab)	umhos/cm	-/-	ANR	ANR	170	--
Surfactants (MBAS)	mg/L	0.5/-	ANR	ANR	0.049	J* (DNQ)
Fluoride	mg/L	1.6/-	ANR	ANR	0.28	J* (DNQ)
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	ANR	ANR	3.9	*
Nitrate as Nitrogen (N)	mg/L	8.0/-	ANR	ANR	3.8	*
Nitrite-N	mg/L	1.0/-	ANR	ANR	0.12	J* (DNQ)
Oil & Grease	mg/L	15/10	ANR	ANR	4.0	J* (DNQ)
Perchlorate	ug/L	6.0/-	ANR	ANR	ND < 0.65	*
pH (Field)	pH units	6.5-8.5/-	ANR	ANR	7.8	*
Total Settleable Solids	ml/L	0.3/0.1	ANR	ANR	0.10	--
Sulfate	mg/L	300/-	ANR	ANR	15	*
Temperature	deg. F	86/-	ANR	ANR	48	*
Total Cyanide	ug/L	8.5/4.3	ANR	ANR	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	ANR	ANR	130	*
Hardness	mg/L	-/-	ANR	ANR	57	--
Hardness, dissolved	mg/L	-/-	ANR	ANR	57	--
Total Organic Carbon	mg/L	-/-	ANR	ANR	9.1	--
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR	0.15	J (H)
Total Suspended Solids	mg/L	45/15	ANR	ANR	ND < 10	*
Turbidity	NTU	-/-	ANR	ANR	72	--
Volume Discharged	MGD	160/-	0.297	*	NR	*
<b>METALS</b>						
Antimony	ug/L	6.0/-	ANR	ANR	0.72	J (DNQ)
Antimony, dissolved	ug/L	-/-	ANR	ANR	0.73	J (DNQ)
Arsenic	ug/L	10/-	ANR	ANR	ND < 7.0	U
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ND < 7.0	U
Barium	mg/L	1.0/-	ANR	ANR	0.014	--
Barium, dissolved	mg/L	-/-	ANR	ANR	0.014	--
Beryllium	ug/L	4.0/-	ANR	ANR	ND < 0.90	U
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ND < 0.90	U
Boron	mg/L	-/-	ANR	ANR	0.059	--
Boron, dissolved	mg/L	-/-	ANR	ANR	0.040	J (DNQ)
Calcium	mg/L	-/-	ANR	ANR	17	--
Calcium, Dissolved	mg/L	-/-	ANR	ANR	17	--
Cadmium	ug/L	3.1/2.0	ANR	ANR	0.13	J (DNQ)
Cadmium, dissolved	ug/L	-/-	ANR	ANR	0.13	J (DNQ)
Chromium	ug/L	16.3/8.1	ANR	ANR	ND < 2.0	U
Chromium, dissolved	ug/L	-/-	ANR	ANR	ND < 2.0	U
Chromium VI	ug/L	16.3/8.1	ANR	ANR	ND < 0.20	*
Cobalt	ug/L	-/-	ANR	ANR	ND < 2.0	U
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ND < 2.0	U
Copper	ug/L	14.0/7.1	ANR	ANR	4.6	--

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Copper, dissolved	ug/L	-/-	ANR	ANR	2.5	--
Iron	mg/L	0.3/-	ANR	ANR	0.72	--
Iron, dissolved	mg/L	-/-	ANR	ANR	0.073	--
Lead	ug/L	5.2/2.6	0.88	J (DNQ)	0.85	J (DNQ)
Lead, dissolved	ug/L	-/-	ANR	ANR	ND < 0.30	U
Magnesium	mg/L	-/-	ANR	ANR	3.8	--
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	3.7	--
Manganese	ug/L	50/-	ANR	ANR	22	--
Manganese, dissolved	ug/L	-/-	ANR	ANR	ND < 7.0	U
Mercury	ug/L	0.10/0.05	ANR	ANR	ND < 0.050	U
Mercury, dissolved	ug/L	-/-	ANR	ANR	ND < 0.050	U
Nickel	ug/L	96/35	ANR	ANR	2.0	J (DNQ)
Nickel, dissolved	ug/L	-/-	ANR	ANR	ND < 2.0	U
Selenium	ug/L	8.2/4.1	ANR	ANR	ND < 0.30	U
Selenium, dissolved	ug/L	-/-	ANR	ANR	ND < 0.30	U
Silver	ug/L	4.1/2.0	ANR	ANR	ND < 0.30	U
Silver, dissolved	ug/L	-/-	ANR	ANR	ND < 0.30	U
Thallium	ug/L	2.0/-	ANR	ANR	ND < 0.20	U
Thallium, dissolved	ug/L	-/-	ANR	ANR	ND < 0.20	U
Vanadium	ug/L	-/-	ANR	ANR	ND < 3.0	U
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ND < 3.0	U
Zinc	ug/L	119/54	12	J (DNQ)	12	J (DNQ)
Zinc, dissolved	ug/L	-/-	ANR	ANR	ND < 6.0	U
<b>ORGANICS</b>						
Benzene	ug/L	-/-	ANR	ANR	ND < 0.28	U
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ND < 0.28	U
Chloroform	ug/L	-/-	ANR	ANR	ND < 0.33	U
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ND < 0.27	U
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ND < 0.28	U
1,1-Dichloroethene	ug/L	6.0/3.2	ANR	ANR	ND < 0.42	U
1,4-Dioxane	ug/L	-/-	ANR	ANR	ND < 1.0	*
Ethylbenzene	ug/L	-/-	ANR	ANR	ND < 0.25	U
Tetrachloroethene	ug/L	-/-	ANR	ANR	ND < 0.32	U
Toluene	ug/L	-/-	ANR	ANR	ND < 0.36	U
Xylenes (Total)	ug/L	-/-	ANR	ANR	ND < 0.90	U
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ND < 0.30	U
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ND < 0.30	U
Trichloroethene	ug/L	5.0/-	ANR	ANR	ND < 0.26	U
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ND < 0.34	UJ (C)
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ND < 0.50	U
Vinyl Chloride	ug/L	-/-	ANR	ANR	ND < 0.30	U
<b>TPH</b>						
EFH (C13 - C22)	mg/L	-/-	ANR	ANR	ND < 0.094	*
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ND < 0.025	*
TRPH	mg/L	-/-	ANR	ANR	ANR	ANR
<b>ADDITIONAL ANALYTES</b>						

**OUTFALL 011 (Perimeter Pond Weir)**

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THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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January 1 through December 31, 2008

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	1/30/2008		2/3/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ND < 2.5	UJ (*III)
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ND < 0.24	U
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.097	U
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.097	U
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.32	U
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ND < 0.35	U
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ND < 0.097	U
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.097	U
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.35	U
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.19	U
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.37	U
2,4,6-Trichlorophenol	ug/L	13.0/6.5	ANR	ANR	ND < 0.097	U
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ND < 0.87	U
2,4-Dinitrotoluene	ug/L	18.3/9.1	ANR	ANR	ND < 0.19	U
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ND < 0.097	U
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ND < 1.8	U
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ND < 0.097	U
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ND < 0.39	U
4,4'-DDD	ug/L	-/-	ANR	ANR	ND < 0.0019	*
4,4'-DDE	ug/L	-/-	ANR	ANR	ND < 0.0028	*
4,4'-DDT	ug/L	-/-	ANR	ANR	ND < 0.0038	*
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ND < 0.097	U
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ND < 0.097	U
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ND < 0.097	U
Acenaphthylene	ug/L	-/-	ANR	ANR	ND < 0.097	U
Acrolein	ug/L	-/-	ANR	ANR	ND < 4.0	R (R)
Acrylonitrile	ug/L	-/-	ANR	ANR	ND < 0.70	U
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	100	*
Aldrin	ug/L	-/-	ANR	ANR	ND < 0.0014	*
alpha-BHC	ug/L	0.03/0.01	ANR	ANR	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ND < 0.097	U
Aroclor-1016	ug/L	-/-	ANR	ANR	ND < 0.42	*
Aroclor-1221	ug/L	-/-	ANR	ANR	ND < 0.24	*
Aroclor-1232	ug/L	-/-	ANR	ANR	ND < 0.24	*
Aroclor-1242	ug/L	-/-	ANR	ANR	ND < 0.24	*
Aroclor-1248	ug/L	-/-	ANR	ANR	ND < 0.24	*
Aroclor-1254	ug/L	-/-	ANR	ANR	ND < 0.24	*
Aroclor-1260	ug/L	-/-	ANR	ANR	ND < 0.28	*
Benzidine	ug/L	-/-	ANR	ANR	ND < 0.97	UJ (*III)



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SANTA SUSANA FIELD LABORATORY  
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	1/30/2008		2/3/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ND < 0.097	U
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ND < 0.097	U
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ND < 0.097	U
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR	ND < 0.097	U
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ND < 0.097	U
beta-BHC	ug/L	-/-	ANR	ANR	ND < 0.0038	*
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ND < 0.097	U
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ANR	ANR	ND < 4.8	U (B)
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ND < 0.097	U
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ND < 0.097	U
Bromodichloromethane	ug/L	-/-	ANR	ANR	ND < 0.30	U
Bromoform	ug/L	-/-	ANR	ANR	ND < 0.40	U
Bromomethane	ug/L	-/-	ANR	ANR	ND < 0.42	U
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ND < 4.8	U (B)
Chlordane	ug/L	-/-	ANR	ANR	ND < 0.028	*
Chlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.36	U
Chloroethane	ug/L	-/-	ANR	ANR	ND < 0.40	U
Chloromethane	ug/L	-/-	ANR	ANR	ND < 0.40	U
Chronic Toxicity	TUC	1.0/-	ANR	ANR	1.0	*
Chrysene	ug/L	-/-	ANR	ANR	ND < 0.097	U
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ND < 0.22	U
Cyclohexane	ug/L	-/-	ANR	ANR	ND < 2.5	UJ (*III)
delta-BHC	ug/L	-/-	ANR	ANR	ND < 0.0033	*
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ND < 0.097	U
Dibromochloromethane	ug/L	-/-	ANR	ANR	ND < 0.28	U
Dieldrin	ug/L	-/-	ANR	ANR	ND < 0.0019	*
Diethylphthalate	ug/L	-/-	ANR	ANR	ND < 0.097	U
Dimethylphthalate	ug/L	-/-	ANR	ANR	ND < 0.097	U
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ND < 0.19	U
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ND < 0.097	U
Endosulfan I	ug/L	-/-	ANR	ANR	ND < 0.0019	*
Endosulfan II	ug/L	-/-	ANR	ANR	ND < 0.0028	*
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ND < 0.0028	*
Endrin	ug/L	-/-	ANR	ANR	ND < 0.0019	*
Endrin aldehyde	ug/L	-/-	ANR	ANR	ND < 0.0019	*
Endrin ketone	ug/L	-/-	ANR	ANR	ND < 0.0028	*
Fluoranthene	ug/L	-/-	ANR	ANR	ND < 0.097	U
Fluorene	ug/L	-/-	ANR	ANR	ND < 0.097	U
Heptachlor	ug/L	-/-	ANR	ANR	ND < 0.0028	*
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ND < 0.0024	*
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.097	U
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ND < 0.19	U
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ND < 0.097	UJ (C)
Hexachloroethane	ug/L	-/-	ANR	ANR	ND < 0.19	U
Hydrazine	ug/L	-/-	ANR	ANR	ND < 0.15	U

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

**OUTFALL 011 (Perimeter Pond Weir)**

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THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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January 1 through December 31, 2008

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	1/30/2008		2/3/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ND < 0.097	U
Isophorone	ug/L	-/-	ANR	ANR	ND < 0.097	U
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ND < 0.0028	*
Methoxychlor	ug/L	-/-	ANR	ANR	ND < 0.0033	*
Methylene Chloride	ug/L	-/-	ANR	ANR	ND < 1.4	UJ (B)
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ND < 0.56	U
Naphthalene	ug/L	-/-	ANR	ANR	ND < 0.097	U
Nitrobenzene	ug/L	-/-	ANR	ANR	ND < 0.097	U
n-Nitrosodimethylamine	ug/L	16.3/8.1	ANR	ANR	ND < 0.097	U
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ND < 0.097	U
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ND < 0.097	U
Pentachlorophenol	ug/L	16.5/8.2	ANR	ANR	ND < 0.097	U
Phenanthrene	ug/L	-/-	ANR	ANR	ND < 0.097	U
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ND < 0.097	U
Toxaphene	ug/L	-/-	ANR	ANR	ND < 0.066	*
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ND < 0.27	U
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ND < 0.32	U
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ND < 0.32	U

**OUTFALL 011 (Perimeter Pond Weir)**

**ANNUAL 2008 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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Sample Date January 27, 2008

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	6.32E-05	--	0.01	6.32E-07	6.32E-07
1,2,3,4,6,7,8-HpCDF	0.00E+00	2.50E-05	1.49E-05	J (DNQ)	0.01	1.49E-07	ND
1,2,3,4,7,8,9-HpCDF	3.44E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	1.78E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	1.51E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	4.30E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	2.05E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	6.85E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	1.09E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	1.62E-06	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	1.01E-06	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	1.76E-06	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	1.65E-06	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	9.21E-07	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	7.28E-07	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	7.18E-04	--	0.0001	7.18E-08	7.18E-08
OCDF	0.00E+00	5.00E-05	4.56E-05	J (DNQ)	0.0001	4.56E-09	ND

<b>TCDD TEQ w/ DNQ Values</b>	<b>8.57E-07</b>	
<b>TCDD TEQ w/out DNQ Values</b>		<b>7.04E-07</b>

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

**TCDD TEQ PERMIT LIMIT = 2.80E-08**

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

**OUTFALL 011 (Perimeter Pond Weir)**

**ANNUAL 2008 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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Sample Date February 3, 2008

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	1.38E-05	J (DNQ)	0.01	1.38E-07	ND
1,2,3,4,6,7,8-HpCDF	0.00E+00	2.50E-05	4.66E-06	J (DNQ)	0.01	4.66E-08	ND
1,2,3,4,7,8,9-HpCDF	1.18E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	1.81E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	6.16E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	1.85E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	6.77E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	1.76E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	9.78E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	5.74E-07	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	7.10E-07	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	7.37E-07	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	7.37E-07	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	5.70E-07	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	5.34E-07	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	1.31E-04	--	0.0001	1.31E-08	1.31E-08
OCDF	0.00E+00	5.00E-05	8.54E-06	J (DNQ)	0.0001	8.54E-10	ND

<b>TCDD TEQ w/ DNQ Values</b>	<b>1.99E-07</b>	
<b>TCDD TEQ w/out DNQ Values</b>		<b>1.31E-08</b>

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

**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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THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	1/27/2008			2/3/2008		
			RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER
<b>RADIOACTIVITY</b>								
Gross Alpha	pCi/L	15/-	1.29 ± 0.48	0.570	J (R)	0.830 ± 0.50	0.68	J (R)
Gross Beta	pCi/L	50/-	3.03 ± 0.60	0.870	--	2.38 ± 0.59	0.88	--
Strontium-90	pCi/L	8.0/-	-0.007 ± 0.26	0.540	UJ (H)	0.066 ± 0.36	0.81	UJ (H)
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	-0.199 ± 0.42	1.34	UJ (H)	0.171 ± 0.44	1.13	UJ (H)
Tritium	pCi/L	20000/-	-90.4 ± 92	160	U	-22.0 ± 89	150	U
Cs-137 (G)	pCi/L	----	ND < 2.00	2.00	UJ (H)	ND < 0.91	0.91	UJ (H)
K-40 (G)	pCi/L	----	ND < 55	55	UJ (H)	ND < 24	24	UJ (H)
Uranium, Total	pCi/L	20/-	0.101 ± 0.015	0.022	J (H)	0.081 ± 0.013	0.022	J (H)

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

**OUTFALL 011 (Perimeter Pond Weir)**

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THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	1/27/2008		1/29/2008	
			Result	CONCENTRATION RESULT VALIDATION QUALIFIER	Result	CONCENTRATION RESULT VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	ND	*	ANR	ANR
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	40.12	*	ANR	ANR
Chloride	LBS/DAY	200,160/-	87.53	*	ANR	ANR
Surfactants (MBAS)	LBS/DAY	667/-	1.06	J* (DNQ)	ANR	ANR
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	63.82	*	ANR	ANR
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	63.82	*	ANR	ANR
Nitrite-N	LBS/DAY	1,334/-	ND	*	ANR	ANR
Oil & Grease	LBS/DAY	20,016/13,344	29.18	J* (DNQ)	ANR	ANR
Perchlorate	LBS/DAY	8/-	ND	*	ANR	ANR
Sulfate	LBS/DAY	400,320/-	164.11	*	ANR	ANR
Total Cyanide	LBS/DAY	11.3/5.7	ND	*	ANR	ANR
Total Dissolved Solids	LBS/DAY	1,270,000/-	1823.47	*	ANR	ANR
Total Residual Chlorine	LBS/DAY	133/-	ANR	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	784.09	--	ANR	ANR
Antimony	LBS/DAY	8.01/-	ANR	ANR	ANR	ANR
Arsenic	LBS/DAY	66.7/-	ANR	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR	ANR
Beryllium	LBS/DAY	5.34/-	ANR	ANR	ANR	ANR
Cadmium	LBS/DAY	4.14/2.7	0.0036	J (DNQ)	ANR	ANR
Chromium VI	LBS/DAY	21.8/10.8	ANR	ANR	ANR	ANR
Copper	LBS/DAY	18.7/9.5	0.10	--	ANR	ANR
Iron	LBS/DAY	400/-	ANR	ANR	ANR	ANR
Lead	LBS/DAY	6.94/3.5	0.071	--	0.0047	--
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	ND	UJ (*III)	ANR	ANR
Nickel	LBS/DAY	128/47	ANR	ANR	ANR	ANR
Selenium	LBS/DAY	10.9/5.5	ND	U	ANR	ANR
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	1.08	--	0.047	J (DNQ)
1,1-Dichloroethene	LBS/DAY	8/4.3	ND	U	ANR	ANR
Trichloroethene	LBS/DAY	6.7/-	ND	U	ANR	ANR
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ND	U	ANR	ANR
2,4-Dinitrotoluene	LBS/DAY	24/12	ND	U	ANR	ANR
alpha-BHC	LBS/DAY	0.04/0.013	ND	*	ANR	ANR
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	ND	U	ANR	ANR
n-Nitrosodimethylamine	LBS/DAY	21.8/10.8	ND	U	ANR	ANR
Pentachlorophenol	LBS/DAY	22/10.9	ND	U	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	3.7E-08/1.9E-08	1.28E-08	--	ANR	ANR

**OUTFALL 011 (Perimeter Pond Weir)**

**ANNUAL 2008 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**January 1 through December 31, 2008**

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	1/30/2008	
			Result	CONCENTRATION RESULT VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	ANR	ANR
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	ANR	ANR
Chloride	LBS/DAY	200,160/-	ANR	ANR
Surfactants (MBAS)	LBS/DAY	667/-	ANR	ANR
Fluoride	LBS/DAY	2,135/-	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	ANR	ANR
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	ANR	ANR
Nitrite-N	LBS/DAY	1,334/-	ANR	ANR
Oil & Grease	LBS/DAY	20,016/13,344	ANR	ANR
Perchlorate	LBS/DAY	8/-	ANR	ANR
Sulfate	LBS/DAY	400,320/-	ANR	ANR
Total Cyanide	LBS/DAY	11.3/5.7	ANR	ANR
Total Dissolved Solids	LBS/DAY	1,270,000/-	ANR	ANR
Total Residual Chlorine	LBS/DAY	133/-	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	ANR	ANR
Antimony	LBS/DAY	8.01/-	ANR	ANR
Arsenic	LBS/DAY	66.7/-	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR
Beryllium	LBS/DAY	5.34/-	ANR	ANR
Cadmium	LBS/DAY	4.14/2.7	ANR	ANR
Chromium VI	LBS/DAY	21.8/10.8	ANR	ANR
Copper	LBS/DAY	18.7/9.5	ANR	ANR
Iron	LBS/DAY	400/-	ANR	ANR
Lead	LBS/DAY	6.94/3.5	0.0022	J (DNQ)
Manganese	LBS/DAY	66.7/-	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	ANR	ANR
Nickel	LBS/DAY	128/47	ANR	ANR
Selenium	LBS/DAY	10.9/5.5	ANR	ANR
Silver	LBS/DAY	5.5/2.7	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR
Zinc	LBS/DAY	159/72	0.030	J (DNQ)
1,1-Dichloroethene	LBS/DAY	8/4.3	ANR	ANR
Trichloroethene	LBS/DAY	6.7/-	ANR	ANR
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ANR	ANR
2,4-Dinitrotoluene	LBS/DAY	24/12	ANR	ANR
alpha-BHC	LBS/DAY	0.04/0.013	ANR	ANR
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	ANR	ANR
n-Nitrosodimethylamine	LBS/DAY	21.8/10.8	ANR	ANR
Pentachlorophenol	LBS/DAY	22/10.9	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	3.7E-08/1.9E-08	ANR	ANR

## OUTFALL 011 (Perimeter Pond Weir)

### FIRST QUARTER 2008 REPORTING SUMMARY THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

February 1 through February 29, 2008

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	2/3/2008	
			Result	CONCENTRATION RESULT VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	1601.28	J* (DNQ)
Chloride	LBS/DAY	200,160/-	13,210.56	*
Surfactants (MBAS)	LBS/DAY	667/-	65.39	J* (DNQ)
Fluoride	LBS/DAY	2,135/-	373.63	J* (DNQ)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	5204.16	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	5070.72	*
Nitrite-N	LBS/DAY	1,334/-	160.13	J* (DNQ)
Oil & Grease	LBS/DAY	20,016/13,344	5337.60	J* (DNQ)
Perchlorate	LBS/DAY	8/-	ND	*
Sulfate	LBS/DAY	400,320/-	20,016.00	*
Total Cyanide	LBS/DAY	11.3/5.7	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	173,472.00	*
Total Residual Chlorine	LBS/DAY	133/-	200.16	J (H)
Total Suspended Solids	LBS/DAY	60,048/20,016	ND	*
<b>METALS</b>				
Antimony	LBS/DAY	8.01/-	0.96	J (DNQ)
Arsenic	LBS/DAY	66.7/-	ND	U
Barium	LBS/DAY	1,330/-	18.68	--
Beryllium	LBS/DAY	5.34/-	ND	U
Cadmium	LBS/DAY	4.14/2.7	0.17	J (DNQ)
Chromium VI	LBS/DAY	21.8/10.8	ND	*
Copper	LBS/DAY	18.7/9.5	6.14	--
Iron	LBS/DAY	400/-	960.77	--
Lead	LBS/DAY	6.94/3.5	1.13	J (DNQ)
Manganese	LBS/DAY	66.7/-	29.36	--
Mercury	LBS/DAY	0.13/0.07	ND	U
Nickel	LBS/DAY	128/47	2.67	J (DNQ)
Selenium	LBS/DAY	10.9/5.5	ND	U
Silver	LBS/DAY	5.5/2.7	ND	U
Thallium	LBS/DAY	2.7/-	ND	U
Zinc	LBS/DAY	159/72	16.01	J (DNQ)
<b>ORGANICS</b>				
1,1-Dichloroethene	LBS/DAY	8/4.3	ND	U
Trichloroethene	LBS/DAY	6.7/-	ND	U
<b>ADDITIONAL ANALYTES</b>				
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ND	U

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



**OUTFALL 011 (Perimeter Pond Weir)**

**FIRST QUARTER 2008 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**February 1 through February 29, 2008**

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	2/3/2008	
			Result	CONCENTRATION RESULT VALIDATION QUALIFIER
2,4-Dinitrotoluene	LBS/DAY	24/12	ND	U
alpha-BHC	LBS/DAY	0.04/0.013	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	ND	U (B)
n-Nitrosodimethylamine	LBS/DAY	21.8/10.8	ND	U
Pentachlorophenol	LBS/DAY	22/10.9	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	3.7E-08/1.9E-08	1.75E-08	--

**OUTFALL 011 (Perimeter Pond Weir)  
BMP EFFECTIVENESS**

**ANNUAL 2008 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**January 1 through December 31, 2008**

		<b>011 EFF-1 1/27/2008 8:00:00 AM</b>	<b>011 EFF-1 2/5/2008 11:55:00 AM</b>	<b>011 EFF-2 1/27/2008 8:00:00 AM</b>	<b>011 EFF-3 1/27/2008 8:00:00 AM</b>	<b>011 EFF-4 1/27/2008 8:00:00 AM</b>
<b>ANALYTE</b>	<b>UNITS</b>					
Density	g/cc	0.99*	1.0*	0.99*	0.99*	0.99*
Sediment	mg/L	45*	11*	44*	35*	30*

**OUTFALL 011 (Perimeter Pond Weir)  
BMP EFFECTIVENESS**

**ANNUAL 2008 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**January 1 through December 31, 2008**

		<b>011 EFF-5</b>	<b>011 EFF-6</b>	<b>011 EFF-7</b>	<b>011 EFF-8</b>	<b>011 EFF-9</b>
		<b>1/27/2008 8:00:00 AM</b>	<b>1/27/2008 8:00:00 AM</b>	<b>1/27/2008 8:00:00 AM</b>	<b>1/27/2008 8:00:00 AM</b>	<b>1/27/2008 8:00:00 AM</b>
<b>ANALYTE</b>	<b>UNITS</b>					
Density	g/cc	1.0*	0.99*	1.0*	1.0*	0.99*
Sediment	mg/L	42*	37*	47*	75*	120*

**OUTFALL 011 (Perimeter Pond Weir)  
BMP EFFECTIVENESS**

**ANNUAL 2008 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**January 1 through December 31, 2008**

		<b>011 EFF-10</b>	<b>011 EFF-11</b>	<b>011 EFF-12</b>	<b>011 EFF-13</b>	<b>011 EFF-14</b>
		<b>1/27/2008 8:00:00 AM</b>	<b>1/27/2008 8:00:00 AM</b>	<b>1/27/2008 8:00:00 AM</b>	<b>1/27/2008 8:00:00 AM</b>	<b>1/27/2008 8:00:00 AM</b>
<b>ANALYTE</b>	<b>UNITS</b>					
Density	g/cc	0.99*	0.99*	1.0*	0.98*	0.99*
Sediment	mg/L	130*	81*	64*	46*	48*

**OUTFALL 011 (Perimeter Pond Weir)  
BMP EFFECTIVENESS**

**ANNUAL 2008 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**January 1 through December 31, 2008**

		<b>011 EFF-15</b>	<b>011 EFF-16</b>	<b>011 EFF-17</b>	<b>011 EFF-18</b>	<b>011 EFF-19</b>
		<b>1/27/2008 8:00:00 AM</b>	<b>1/27/2008 8:00:00 AM</b>	<b>1/27/2008 8:00:00 AM</b>	<b>1/27/2008 8:00:00 AM</b>	<b>1/27/2008 8:00:00 AM</b>
<b>ANALYTE</b>	<b>UNITS</b>					
Density	g/cc	0.99*	0.99*	0.98*	1.0*	0.99*
Sediment	mg/L	41*	42*	37*	35*	35*

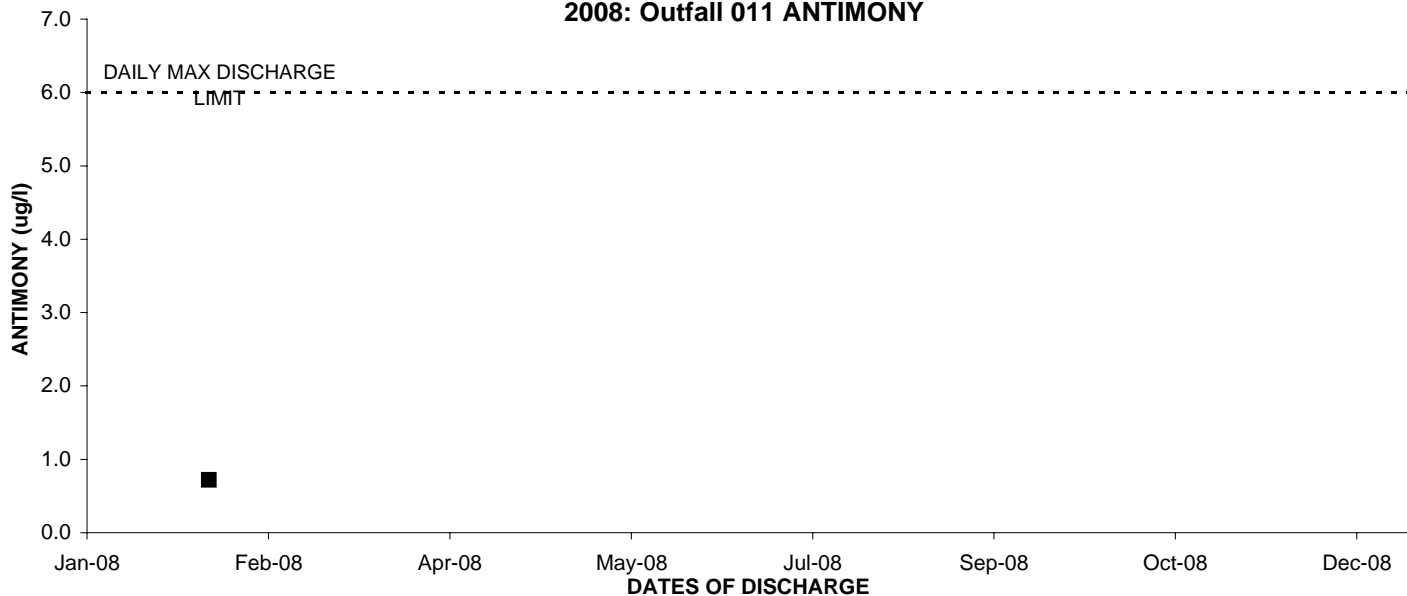
**OUTFALL 011 (Perimeter Pond Weir)  
BMP EFFECTIVENESS**

**ANNUAL 2008 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

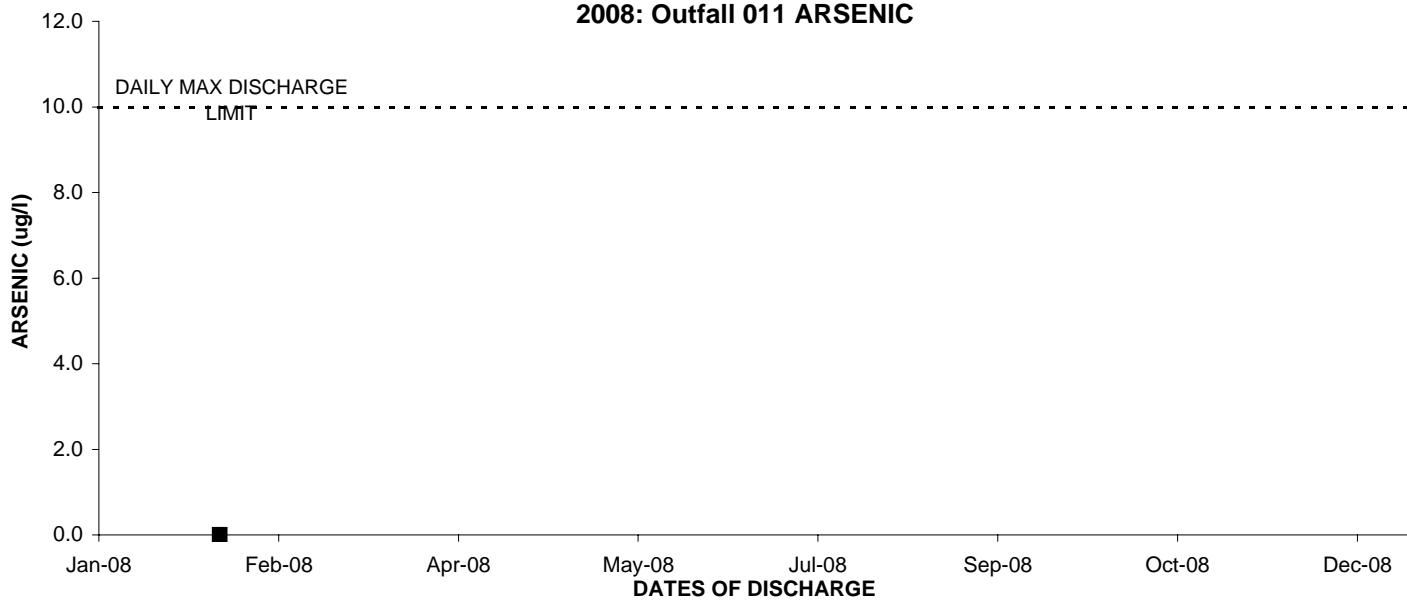
**January 1 through December 31, 2008**

		<b>011 EFF-20</b>	<b>011 EFF-21</b>	<b>011 EFF-22</b>	<b>011 EFF-23</b>	<b>011 EFF-24</b>
		<b>1/27/2008 8:00:00 AM</b>	<b>1/27/2008 8:00:00 AM</b>	<b>1/27/2008 8:00:00 AM</b>	<b>1/27/2008 8:00:00 AM</b>	<b>1/27/2008 8:00:00 AM</b>
<b>ANALYTE</b>	<b>UNITS</b>					
Density	g/cc	0.99*	0.99*	0.99*	0.99*	0.99*
Sediment	mg/L	58*	76*	61*	47*	36*

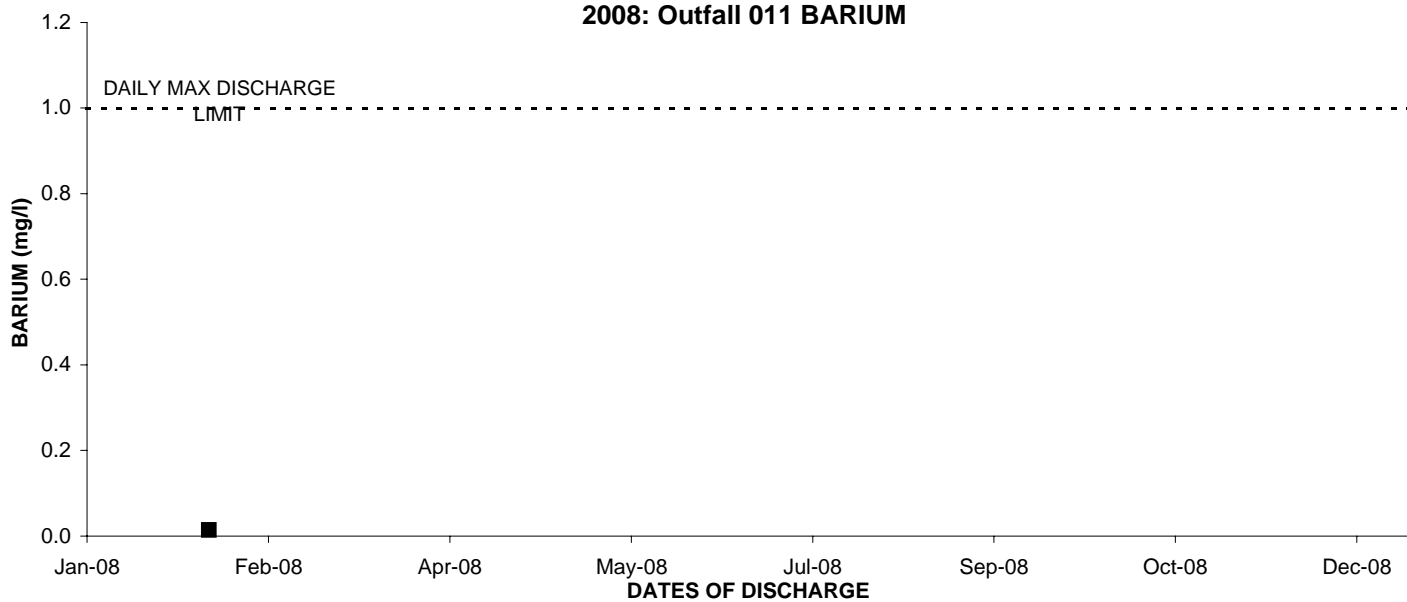
### 2008: Outfall 011 ANTIMONY



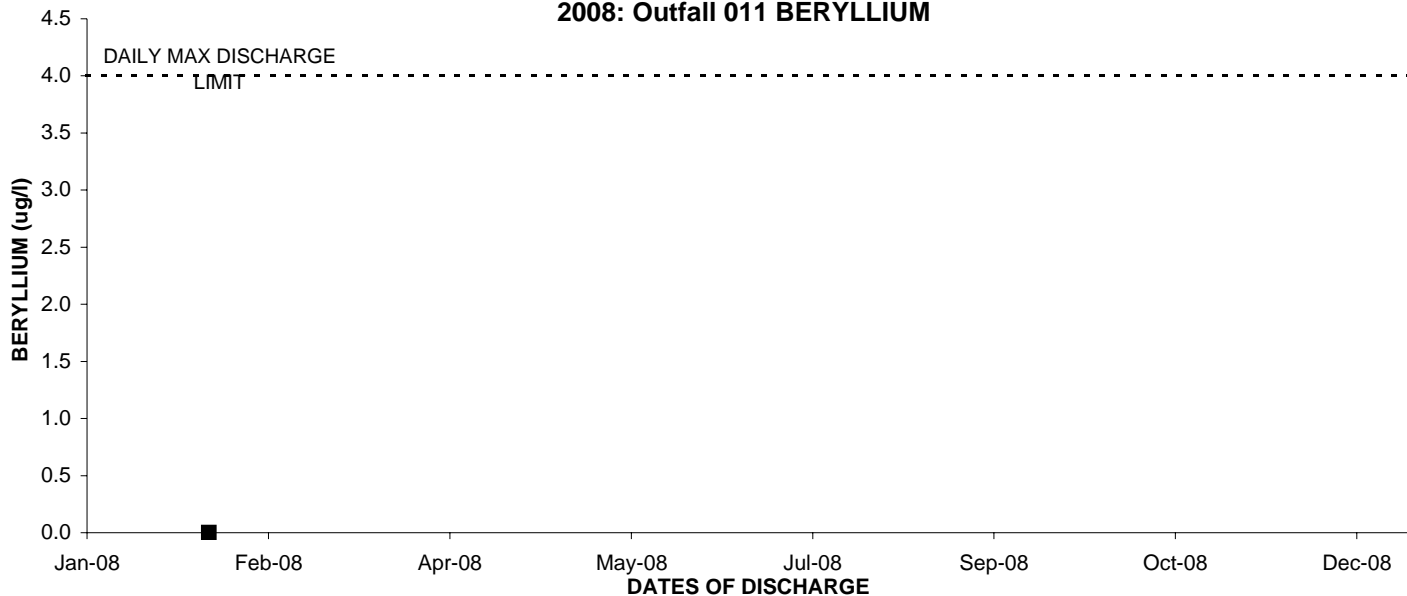
### 2008: Outfall 011 ARSENIC



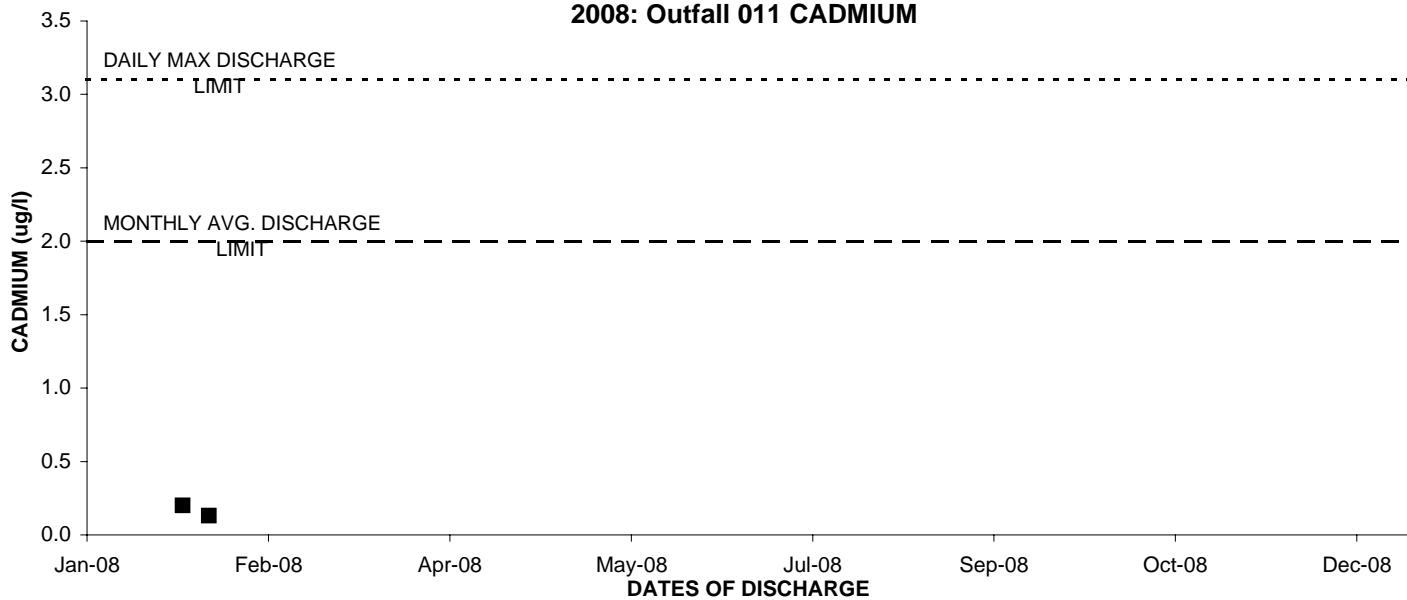
### 2008: Outfall 011 BARIUM



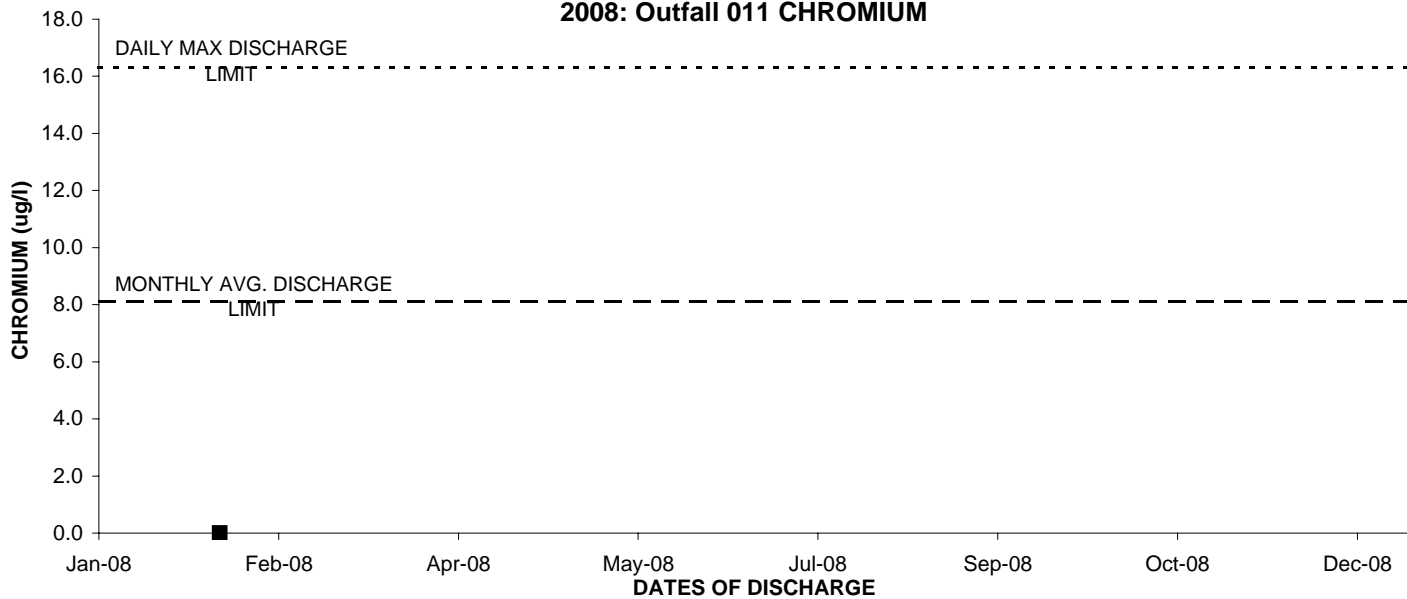
### 2008: Outfall 011 BERYLLIUM



### 2008: Outfall 011 CADMIUM

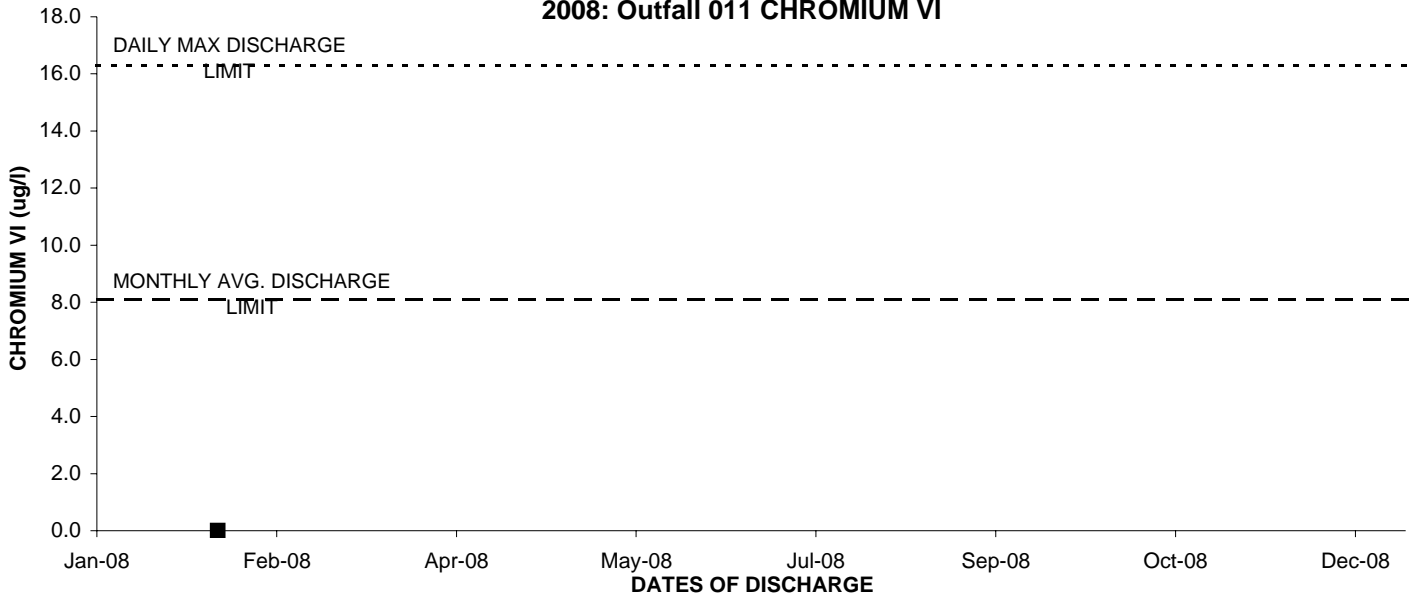


### 2008: Outfall 011 CHROMIUM

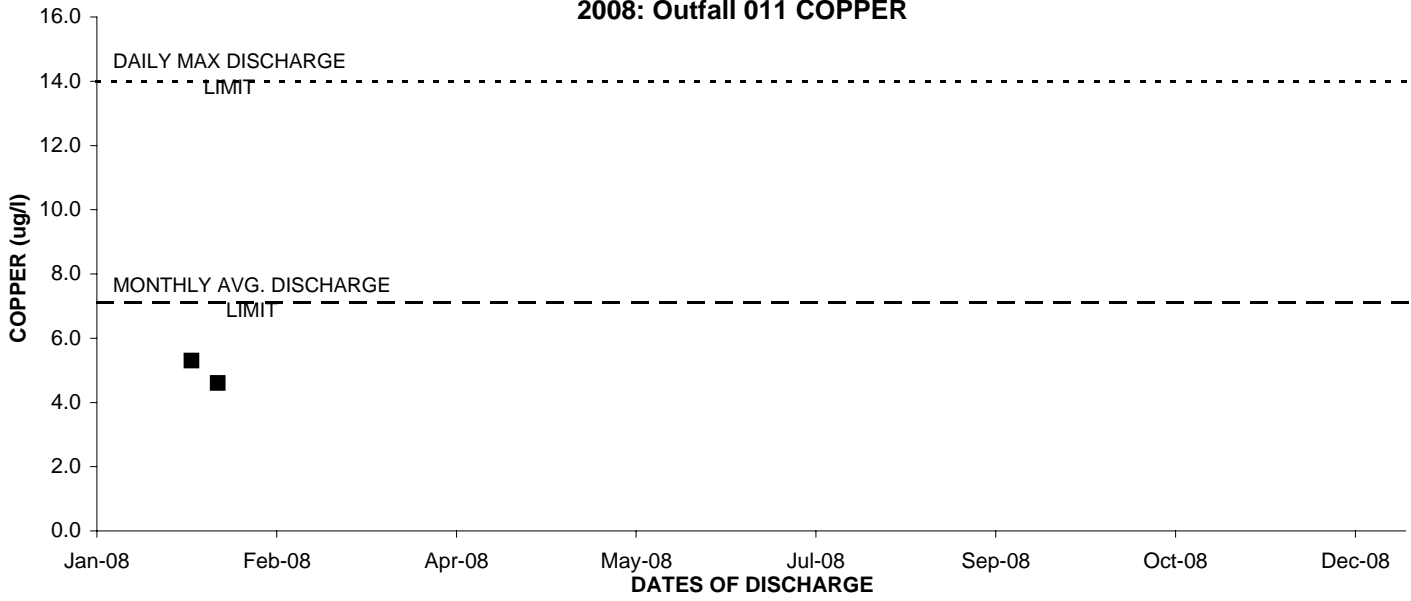




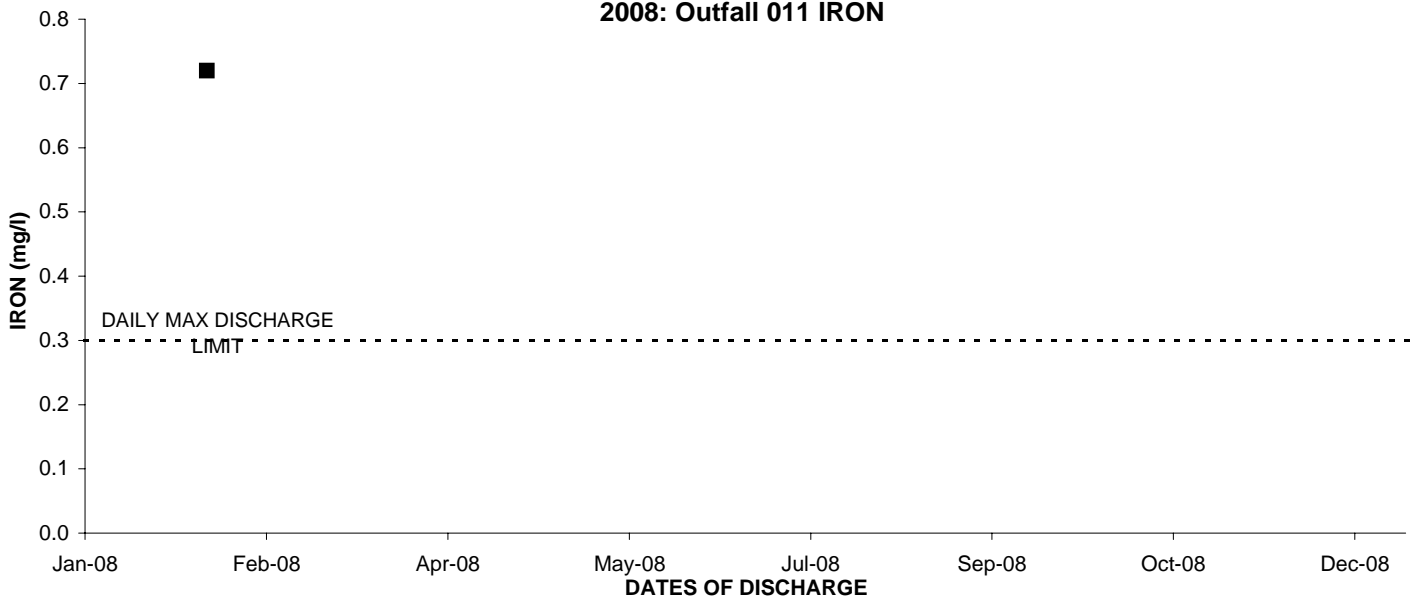
### 2008: Outfall 011 CHROMIUM VI



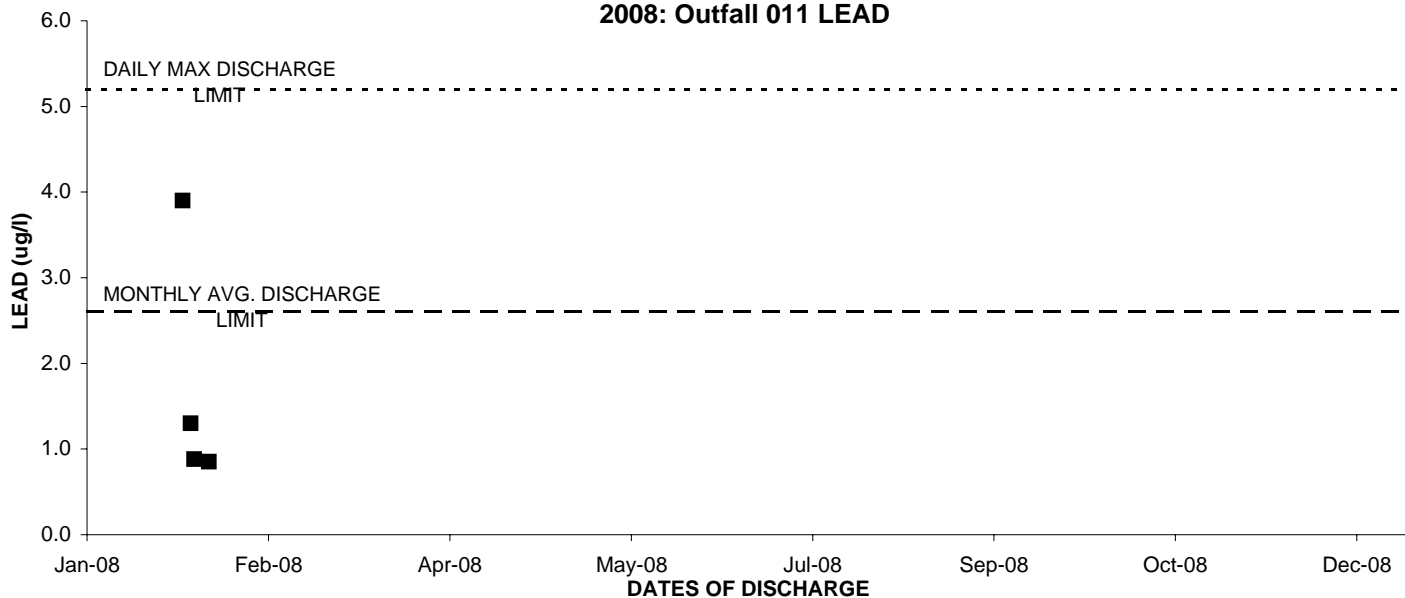
### 2008: Outfall 011 COPPER



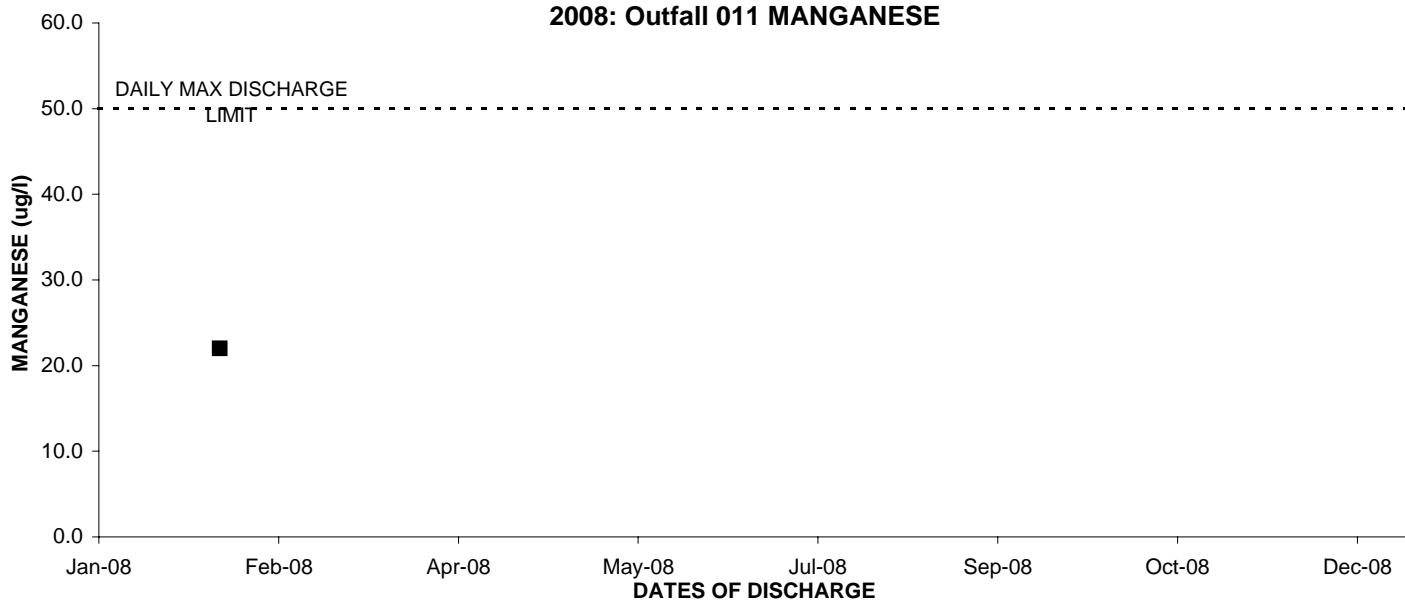
### 2008: Outfall 011 IRON



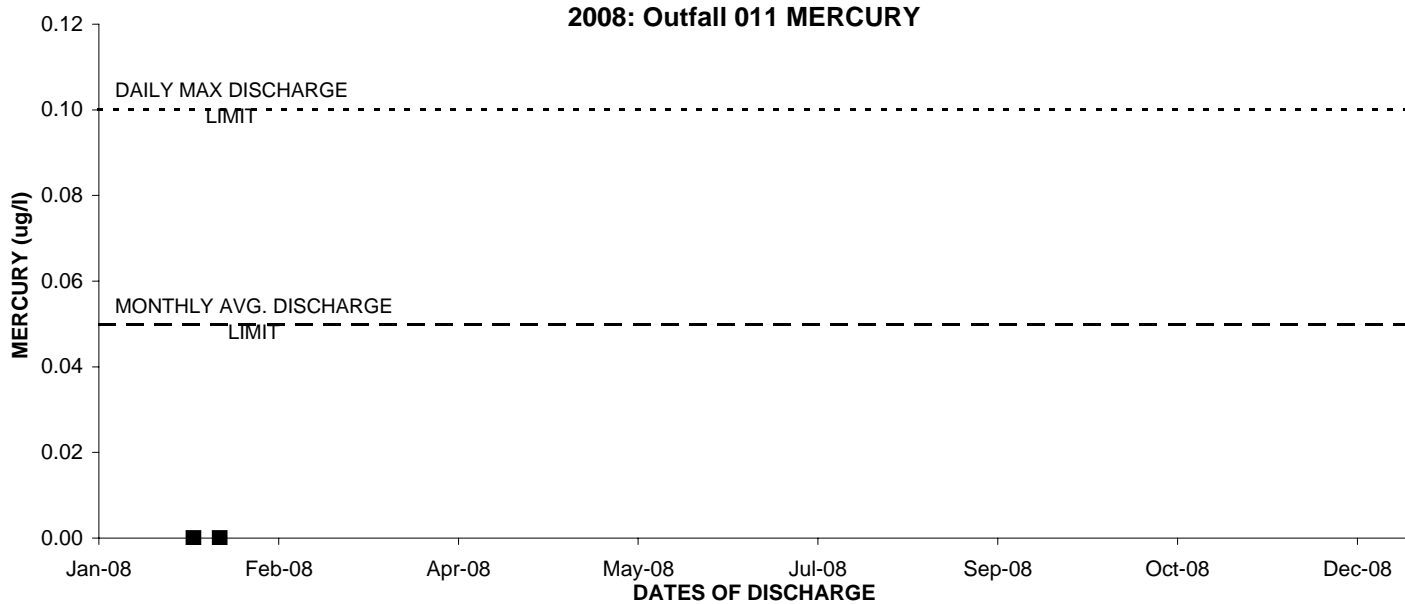
### 2008: Outfall 011 LEAD



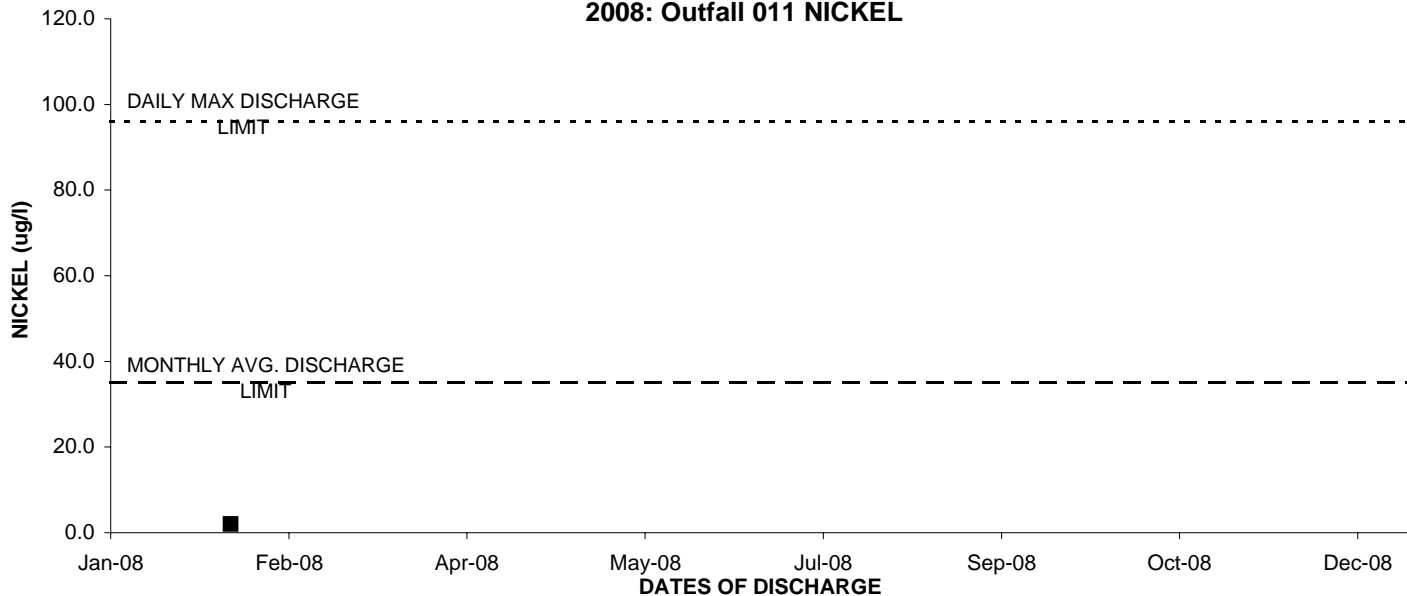
### 2008: Outfall 011 MANGANESE



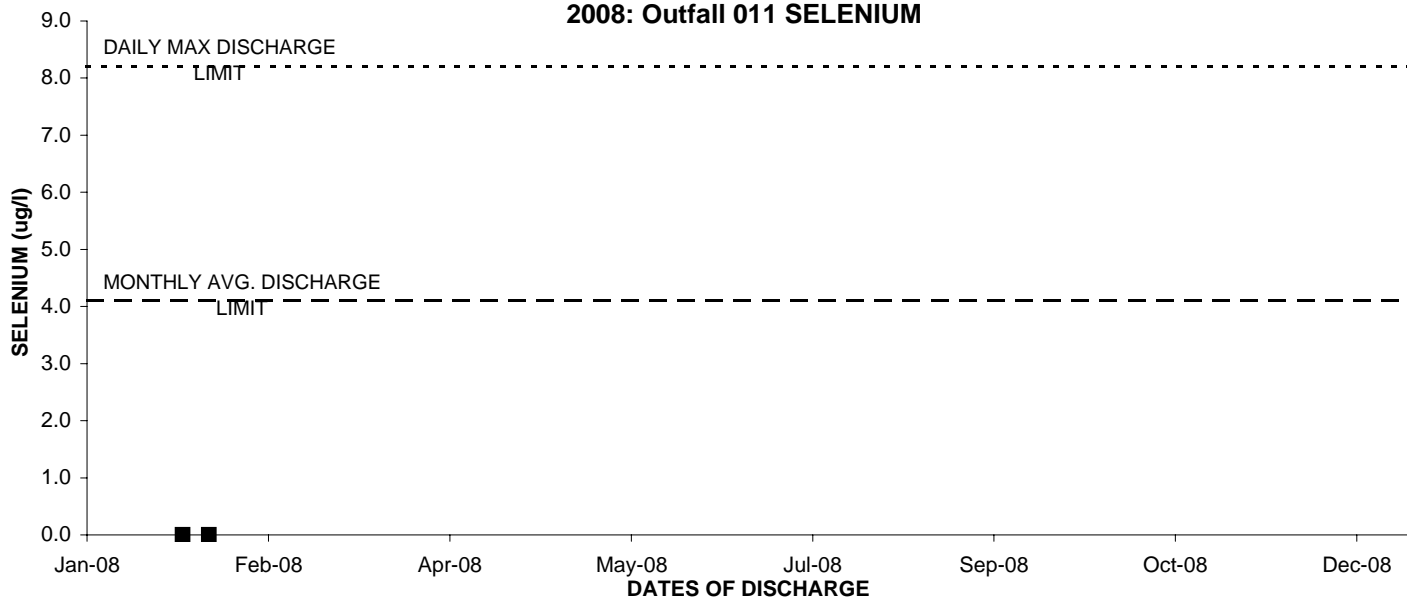
### 2008: Outfall 011 MERCURY



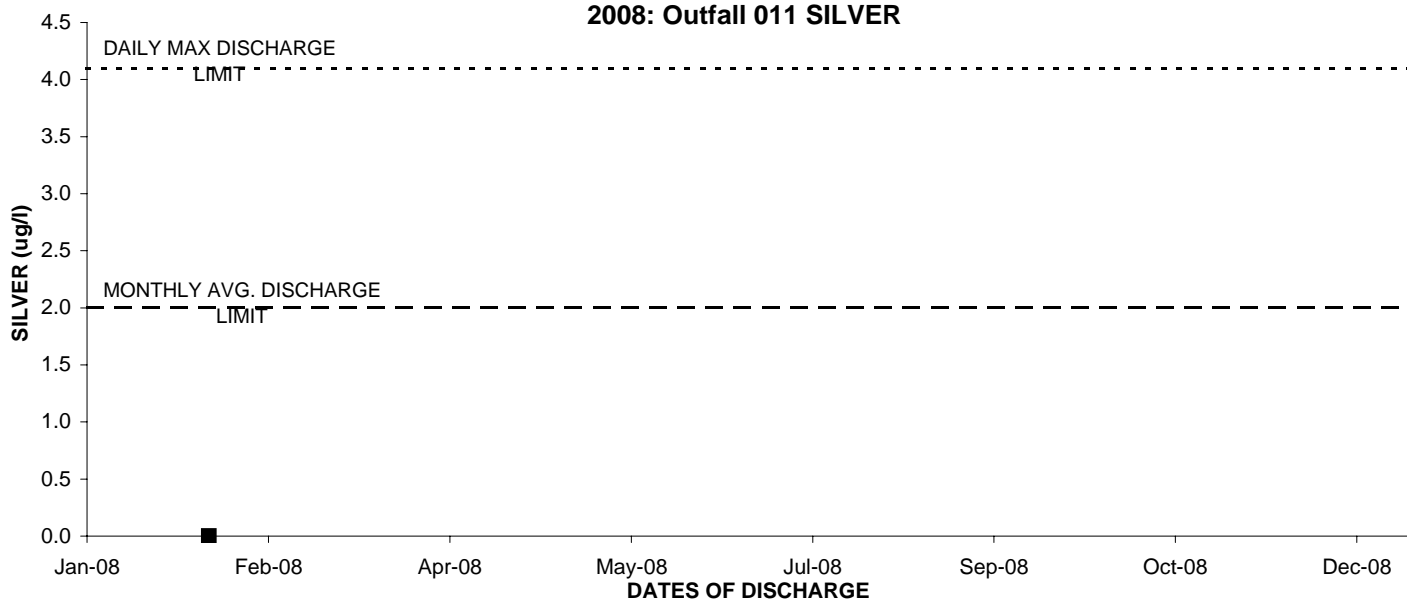
2008: Outfall 011 NICKEL



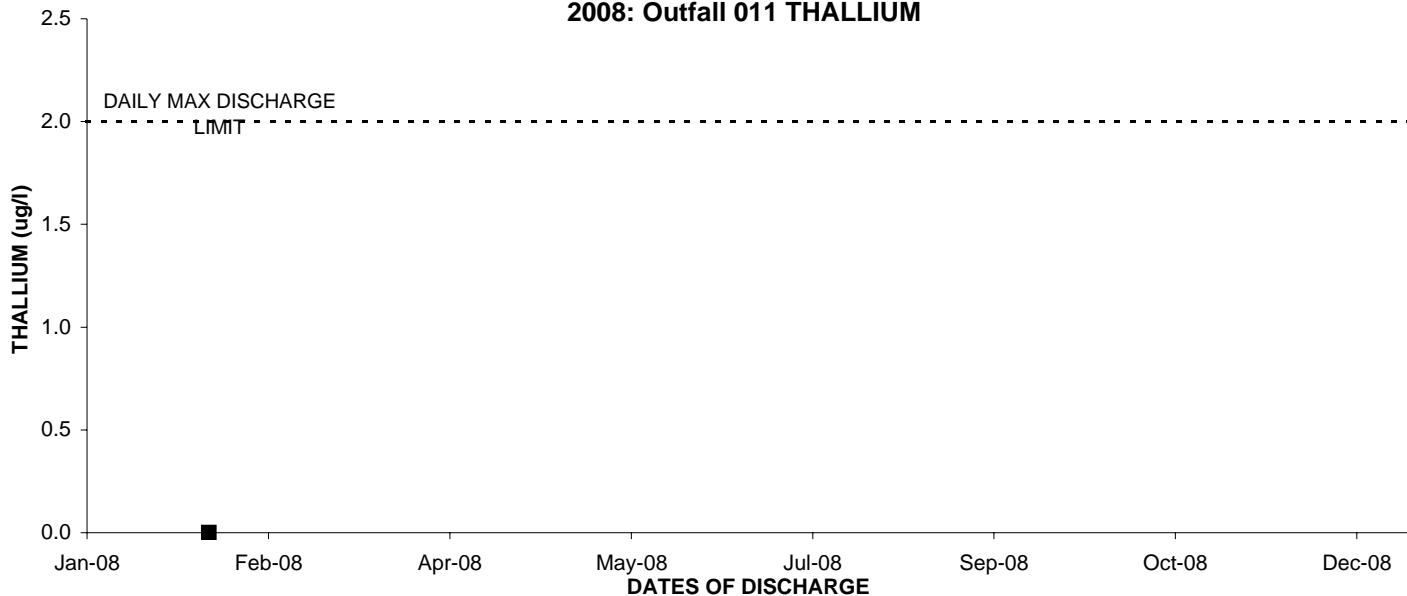
2008: Outfall 011 SELENIUM



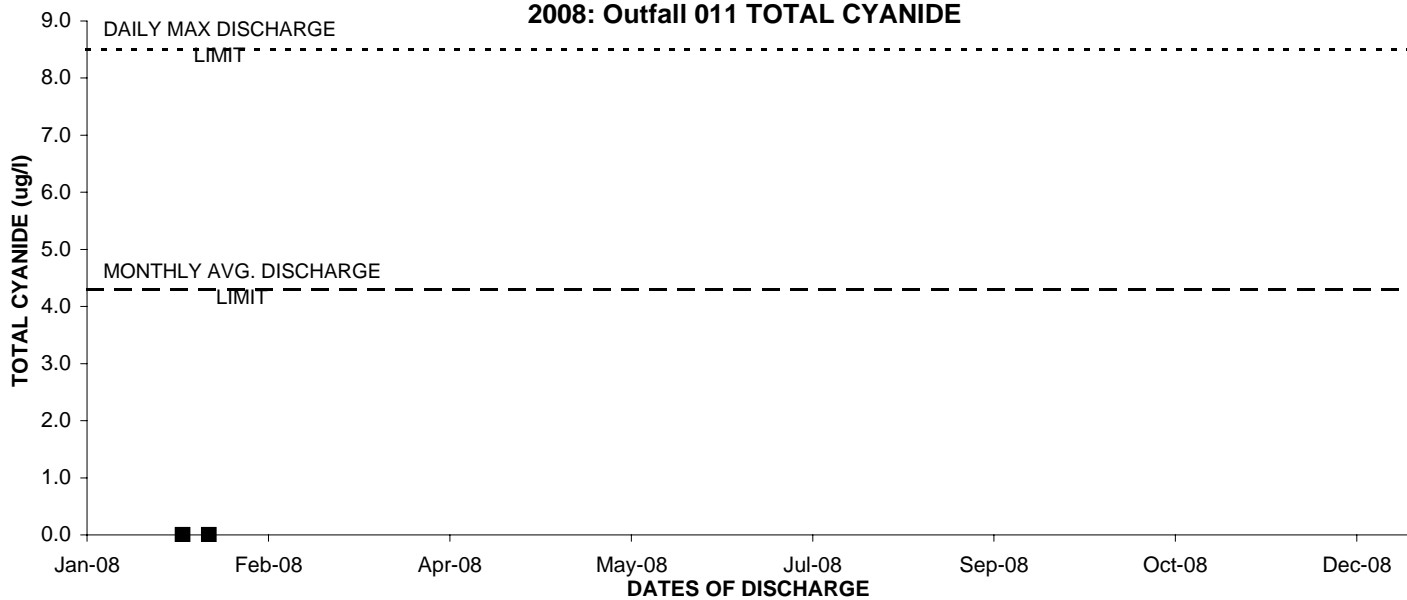
2008: Outfall 011 SILVER



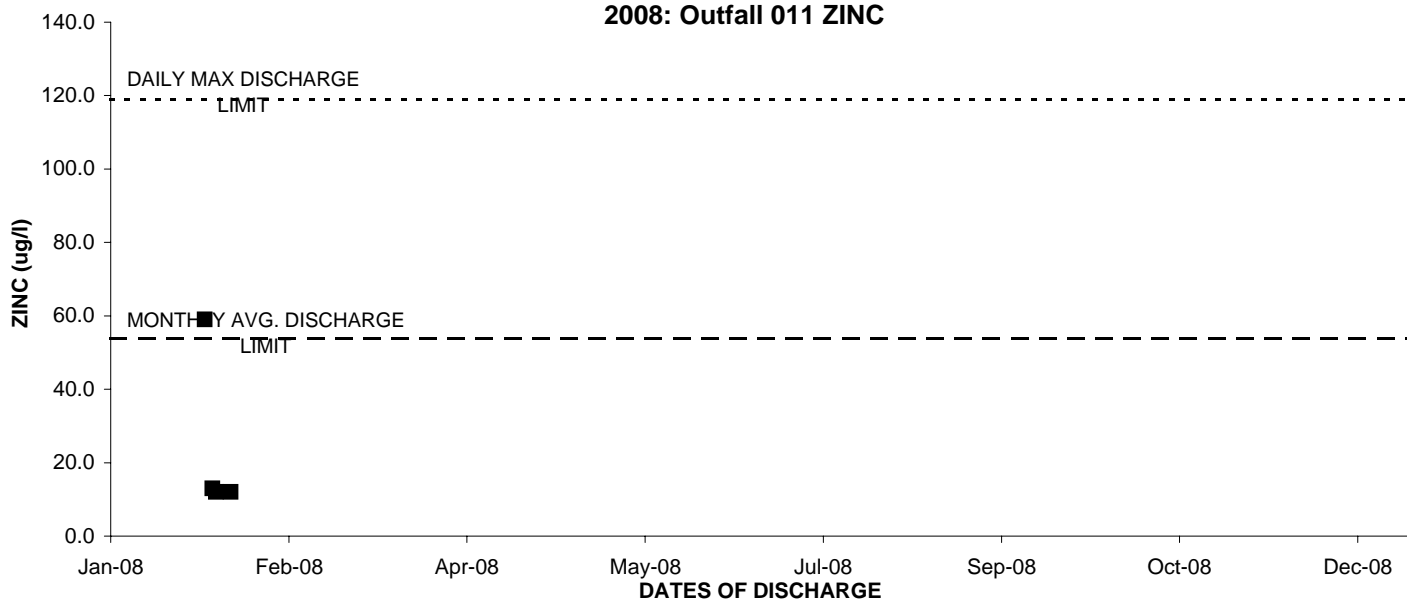
### 2008: Outfall 011 THALLIUM



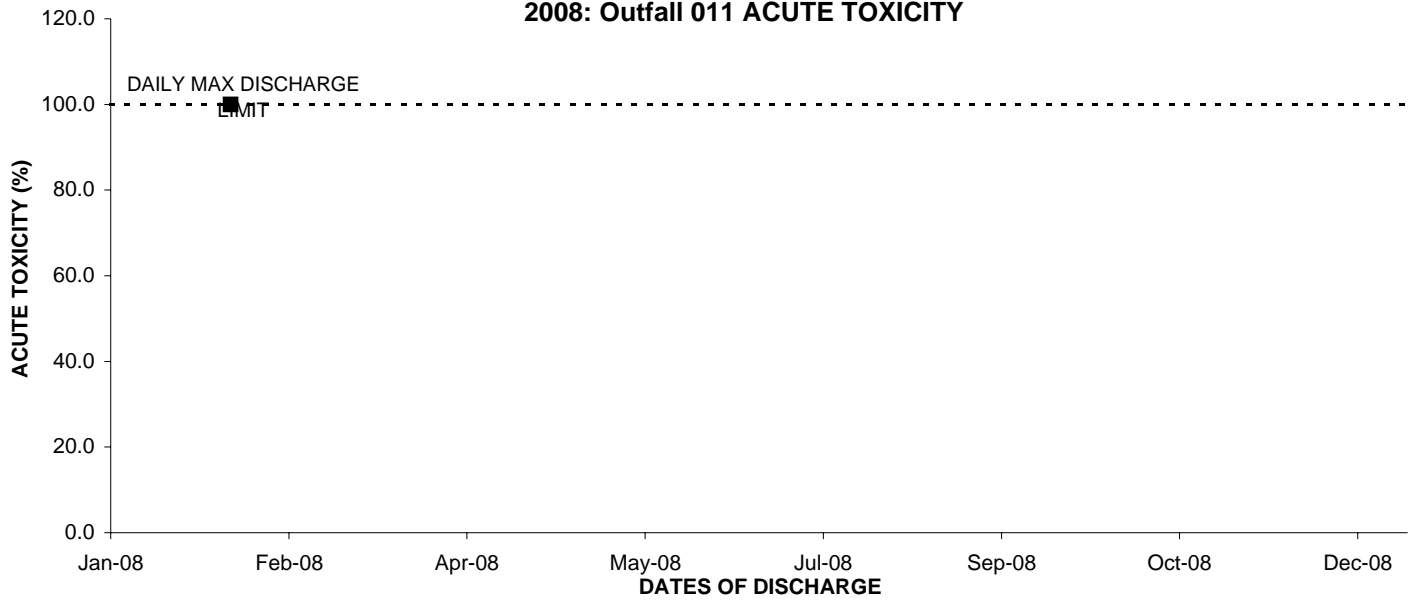
### 2008: Outfall 011 TOTAL CYANIDE



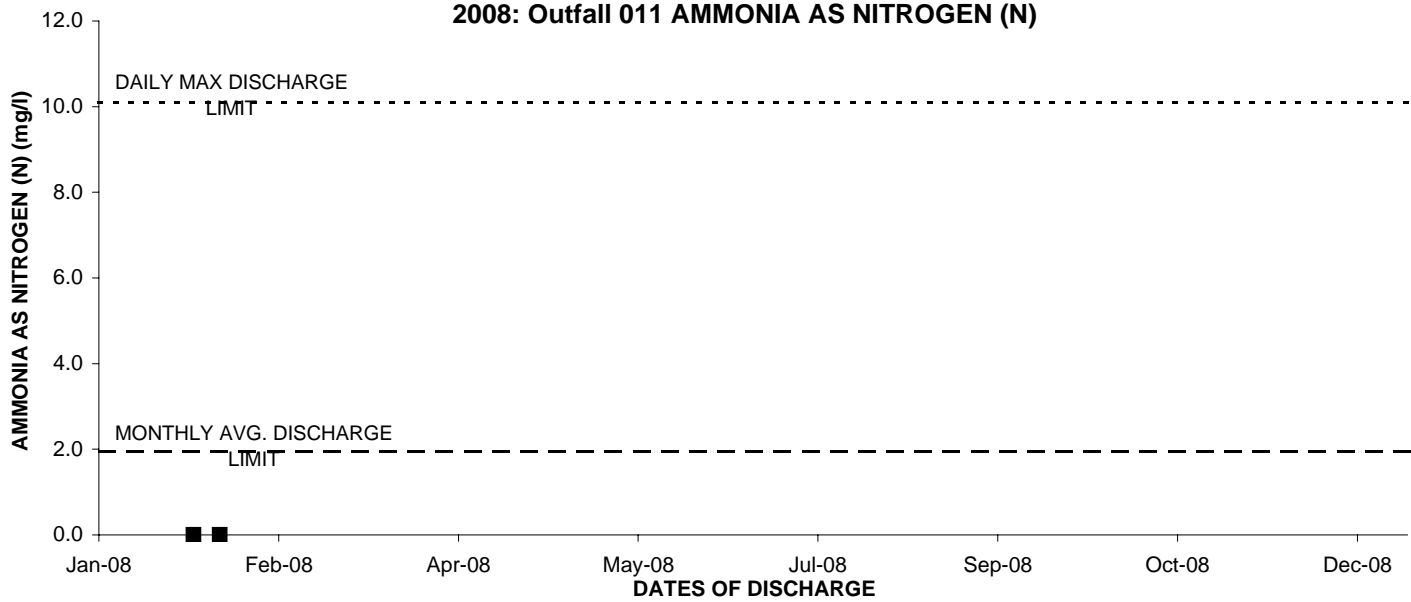
### 2008: Outfall 011 ZINC



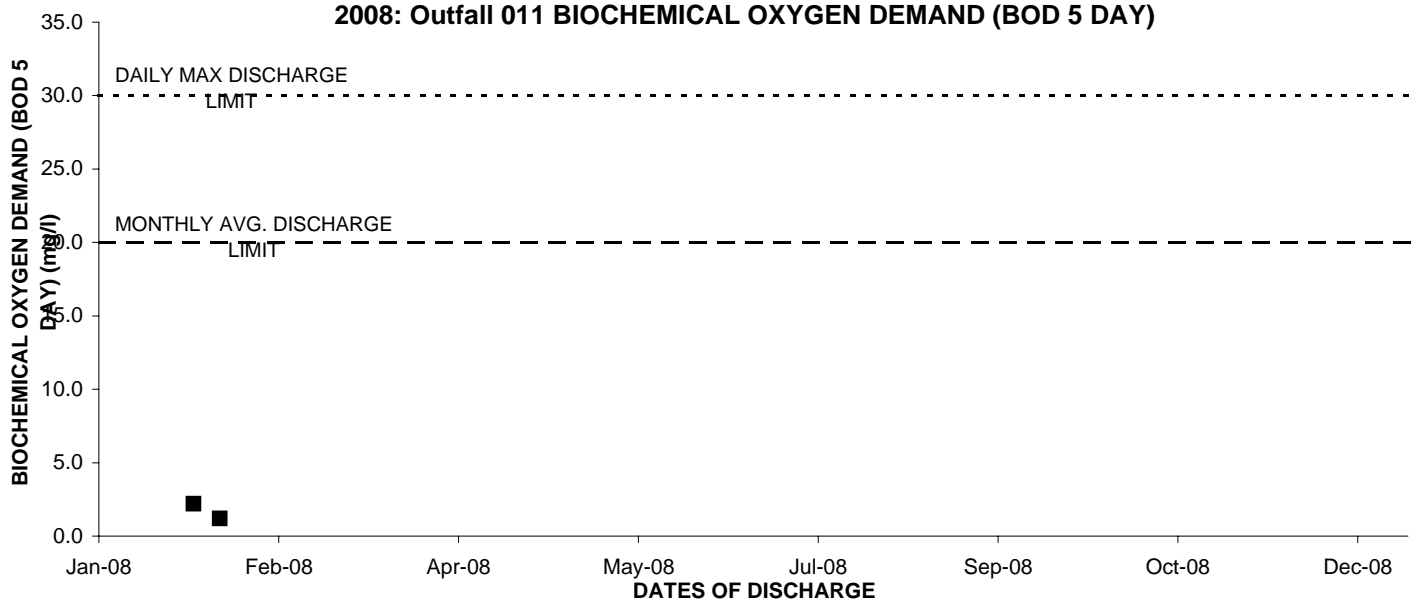
### 2008: Outfall 011 ACUTE TOXICITY



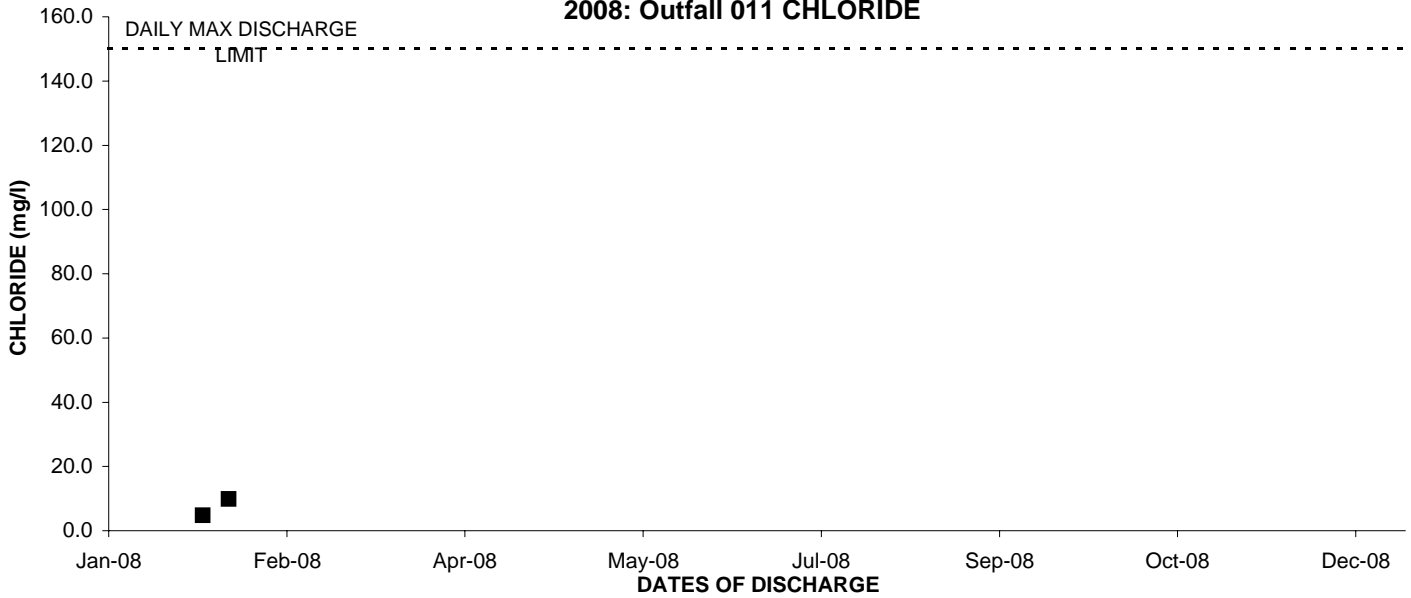
### 2008: Outfall 011 AMMONIA AS NITROGEN (N)



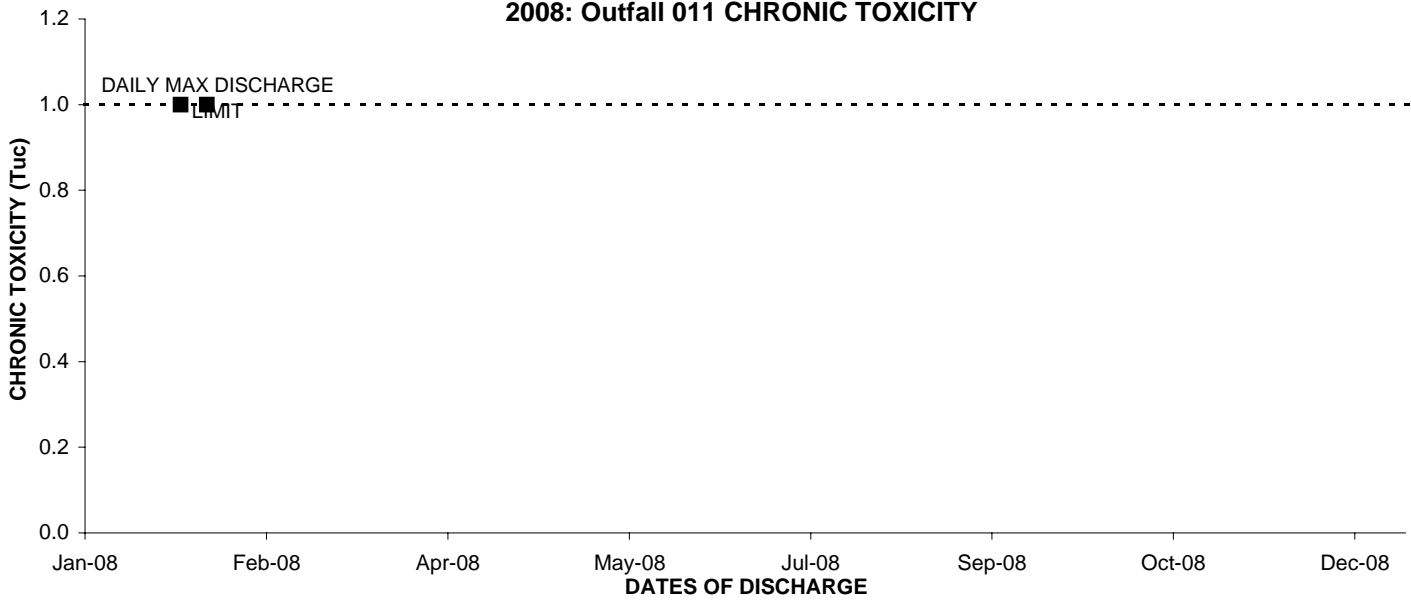
### 2008: Outfall 011 BIOCHEMICAL OXYGEN DEMAND (BOD 5 DAY)



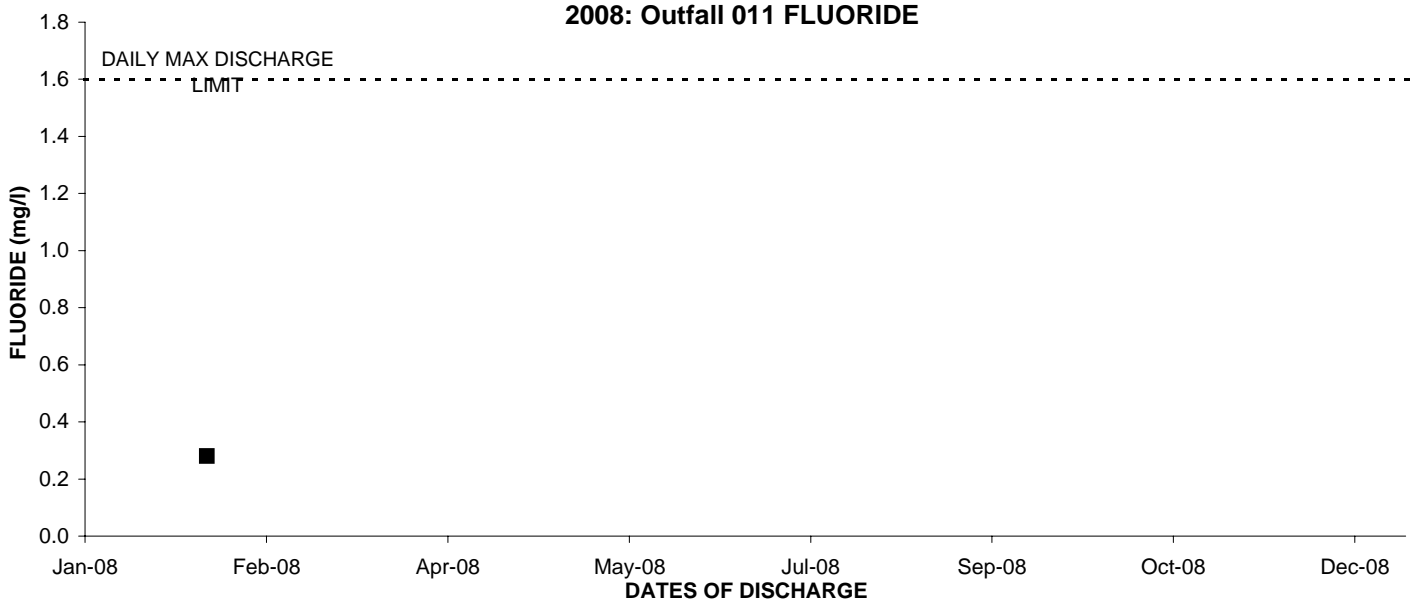
### 2008: Outfall 011 CHLORIDE



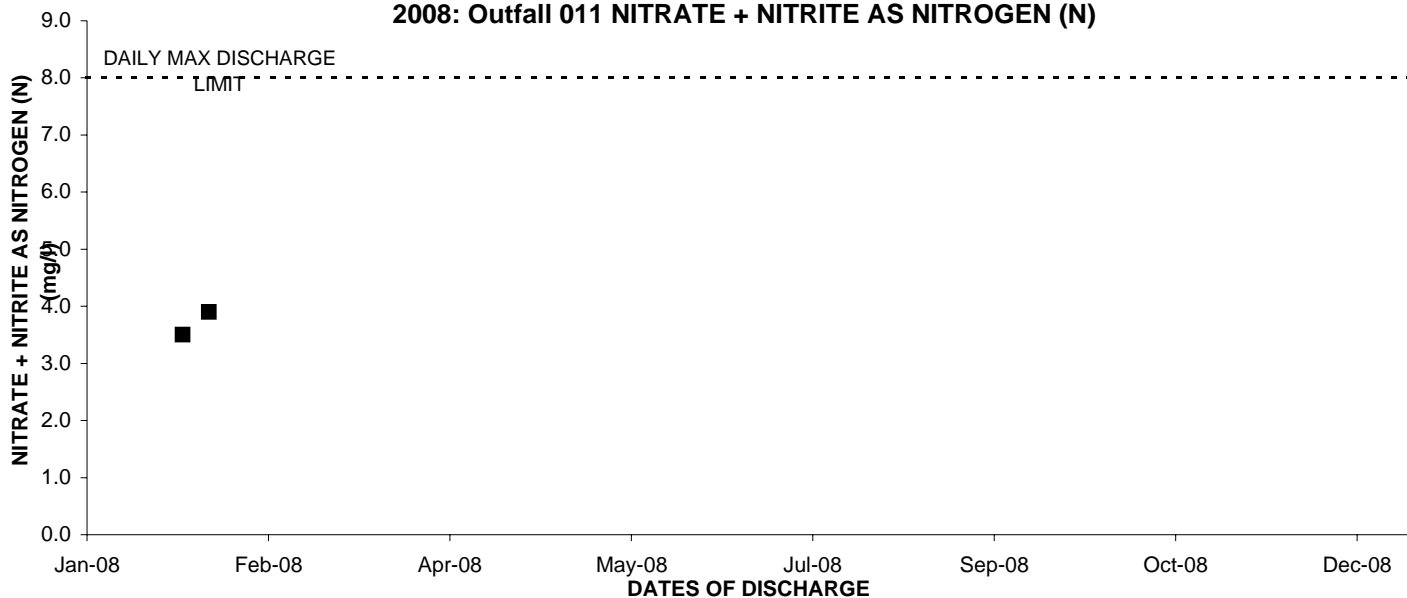
### 2008: Outfall 011 CHRONIC TOXICITY



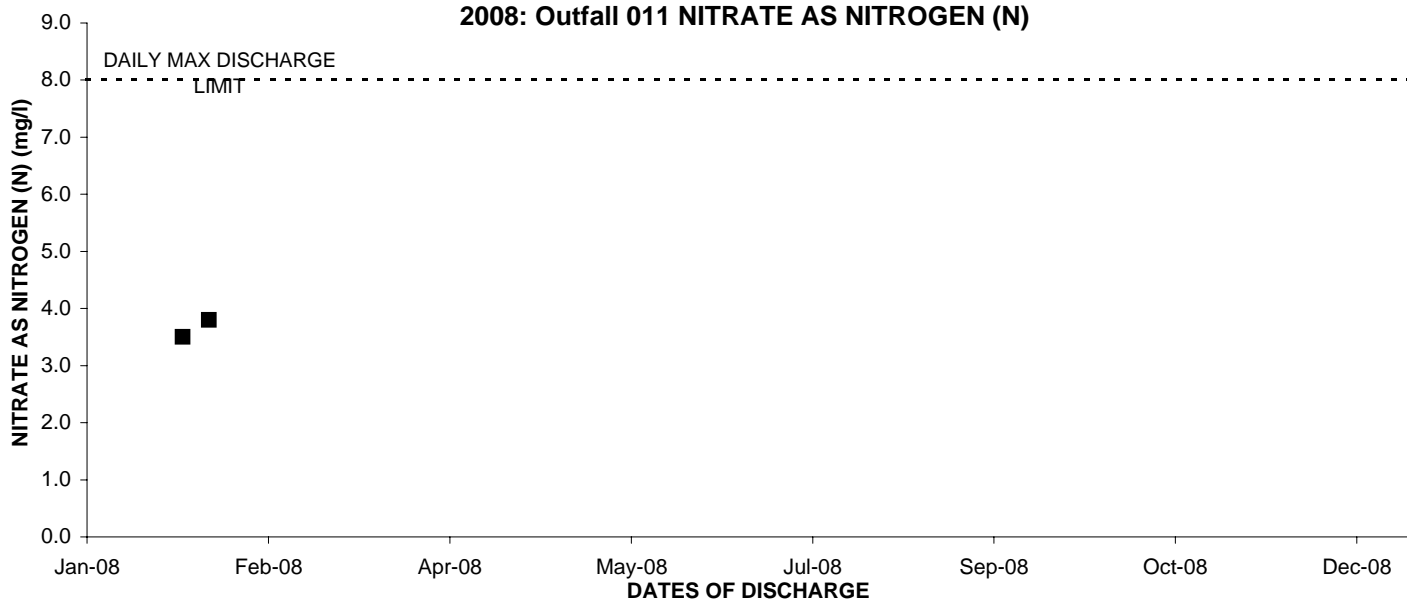
### 2008: Outfall 011 FLUORIDE



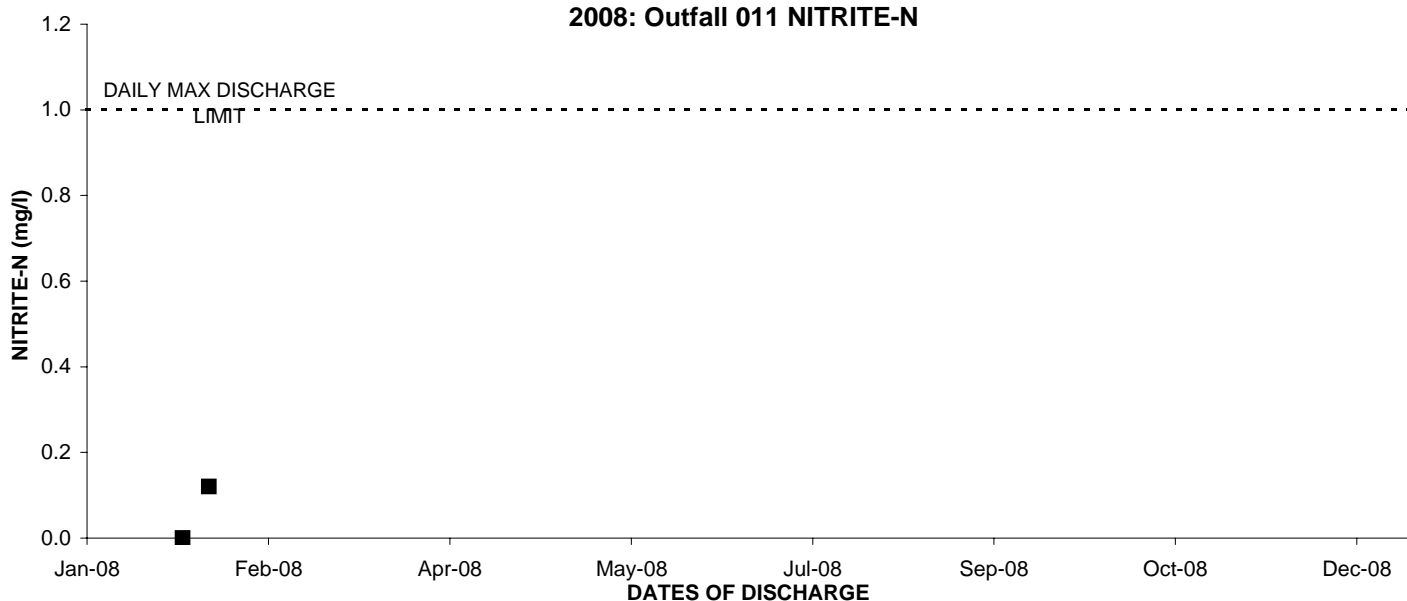
### 2008: Outfall 011 NITRATE + NITRITE AS NITROGEN (N)



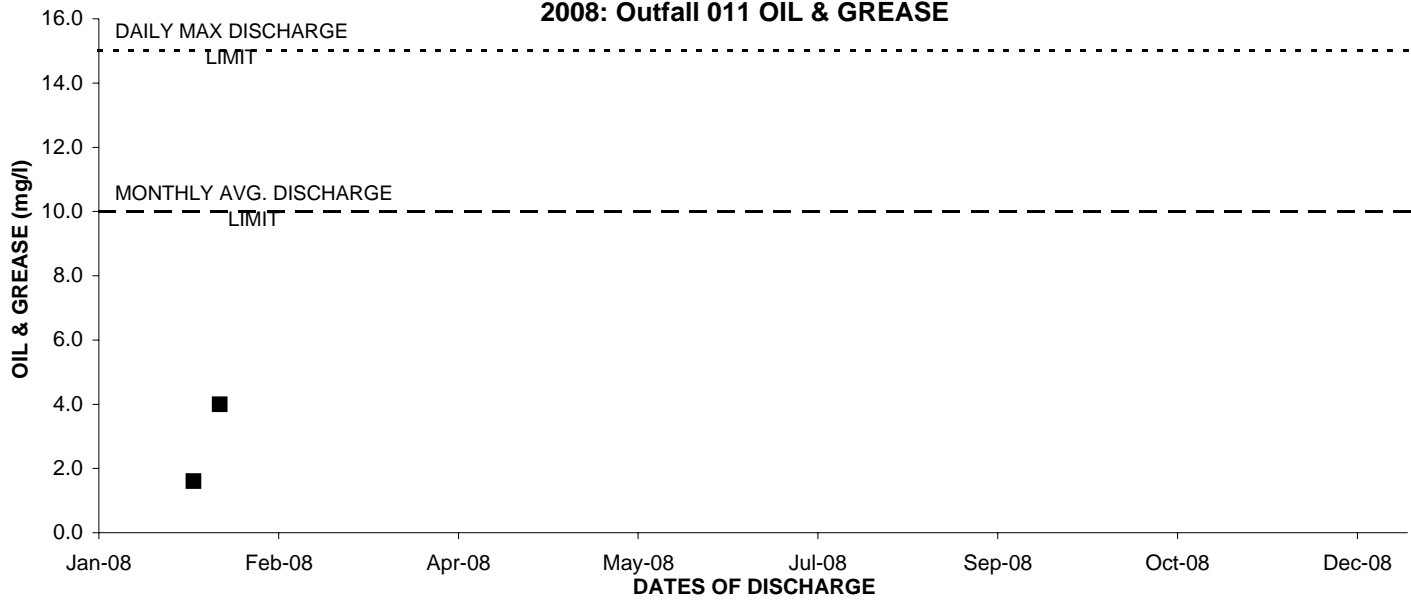
### 2008: Outfall 011 NITRATE AS NITROGEN (N)



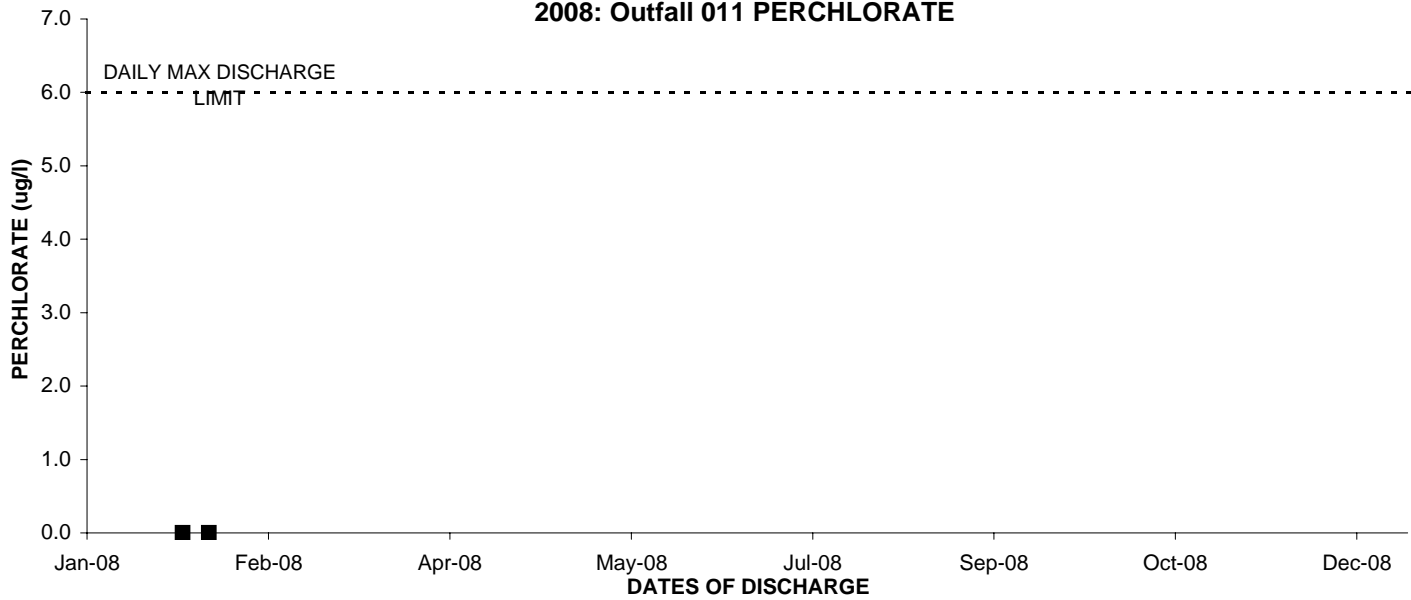
### 2008: Outfall 011 NITRITE-N



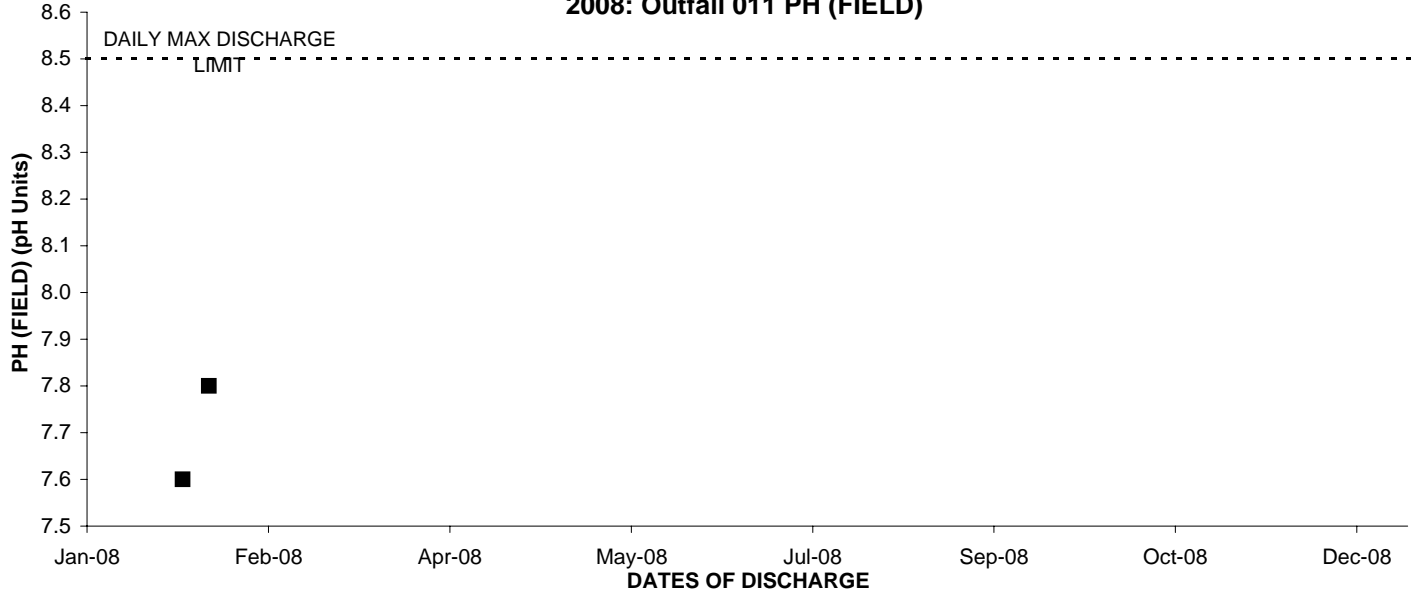
### 2008: Outfall 011 OIL & GREASE



### 2008: Outfall 011 PERCHLORATE

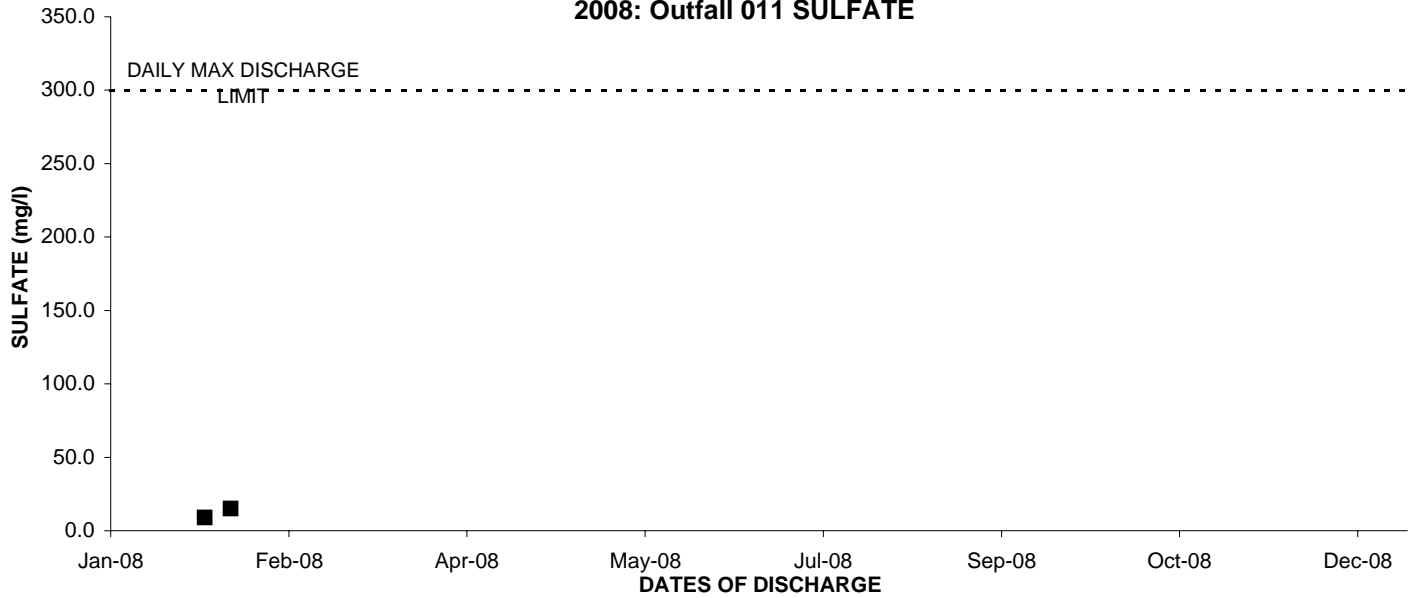


### 2008: Outfall 011 PH (FIELD)

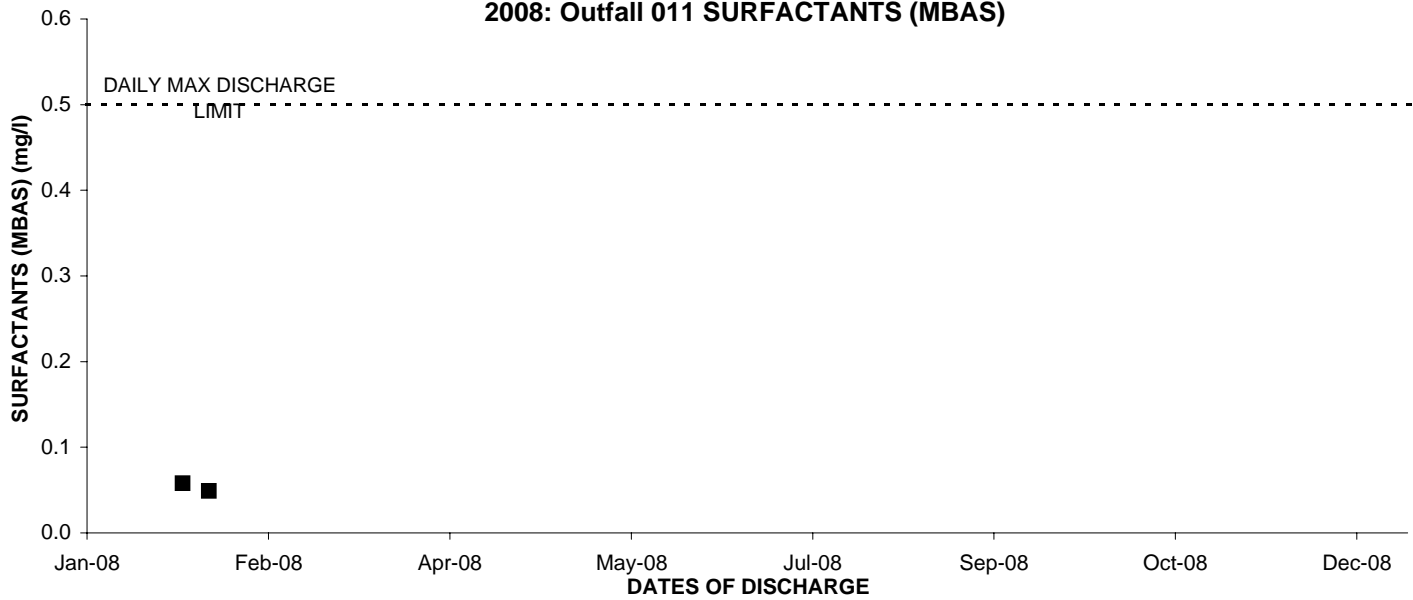




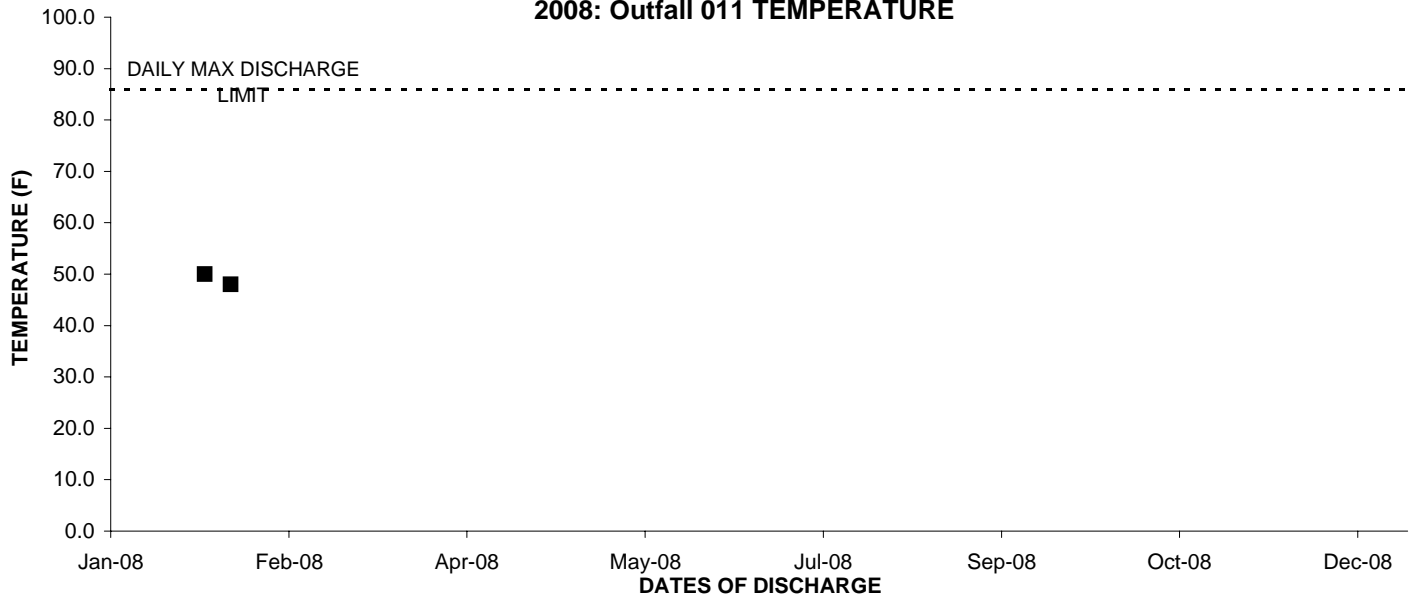
### 2008: Outfall 011 SULFATE



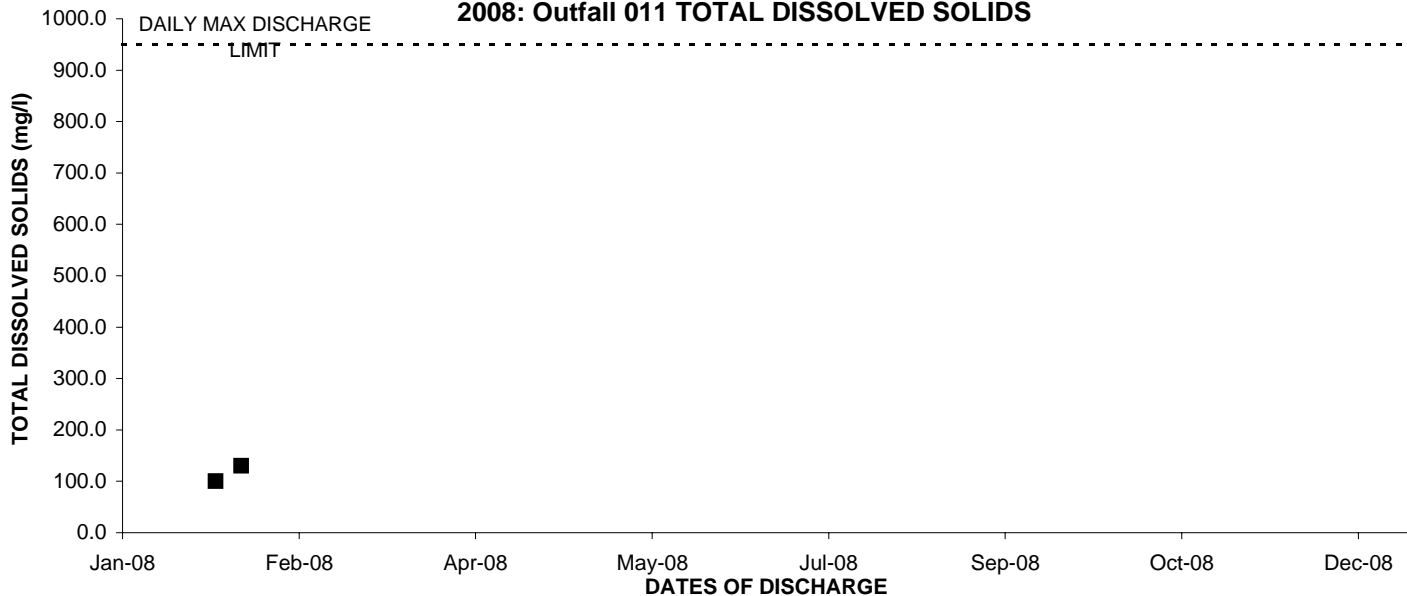
### 2008: Outfall 011 SURFACTANTS (MBAS)



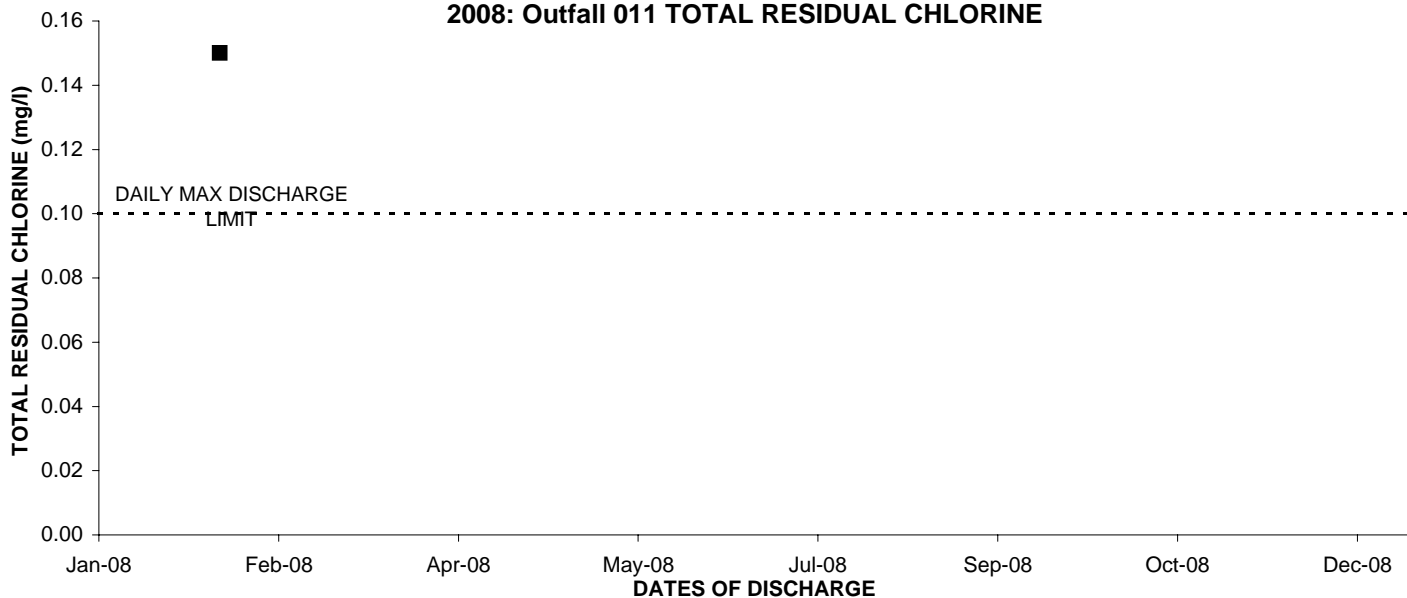
### 2008: Outfall 011 TEMPERATURE



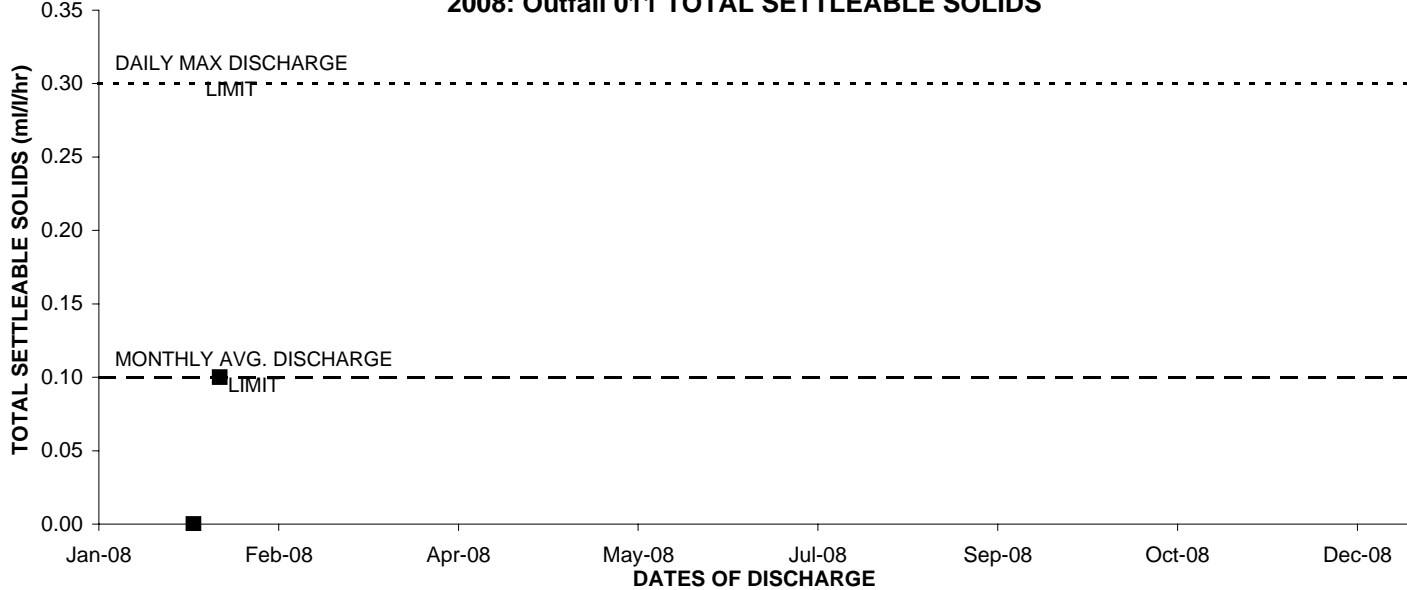
**2008: Outfall 011 TOTAL DISSOLVED SOLIDS**



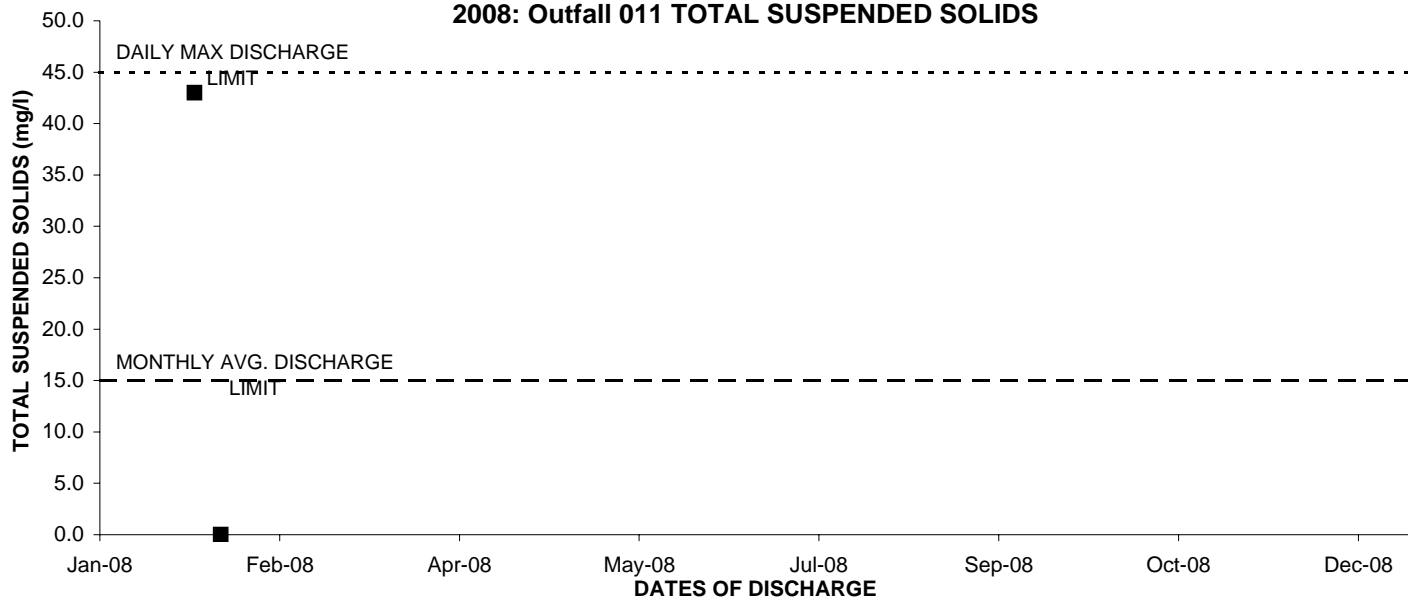
**2008: Outfall 011 TOTAL RESIDUAL CHLORINE**



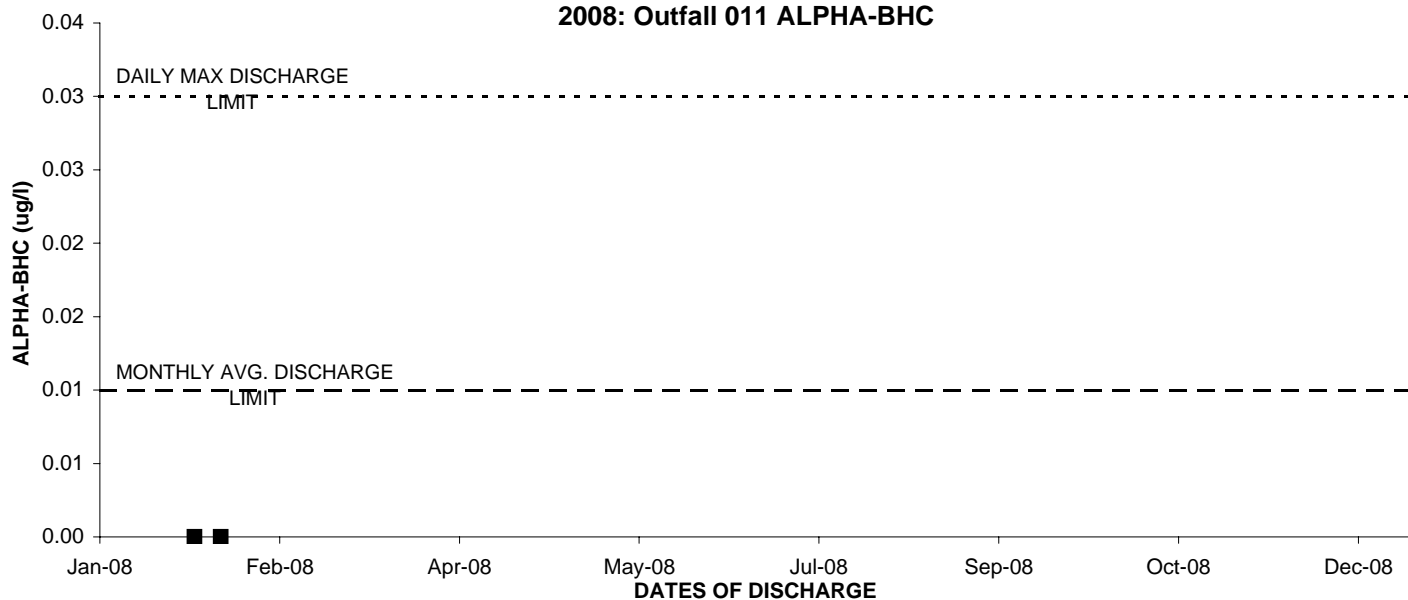
**2008: Outfall 011 TOTAL SETTLEABLE SOLIDS**



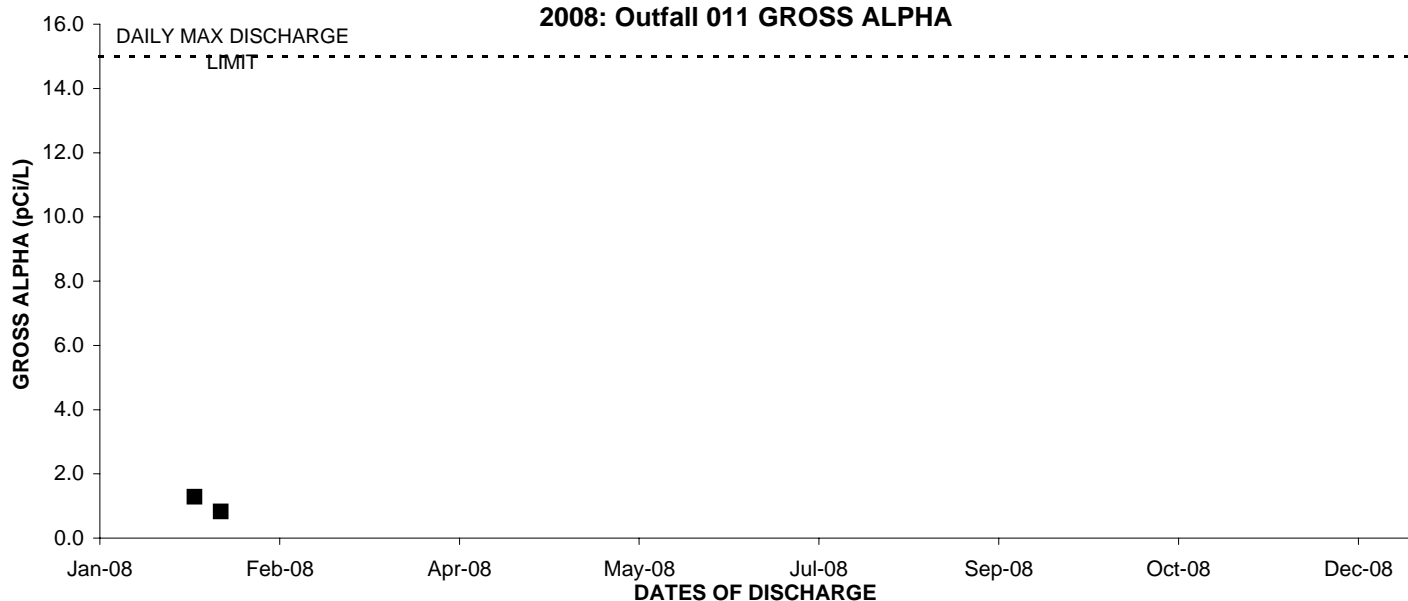
**2008: Outfall 011 TOTAL SUSPENDED SOLIDS**



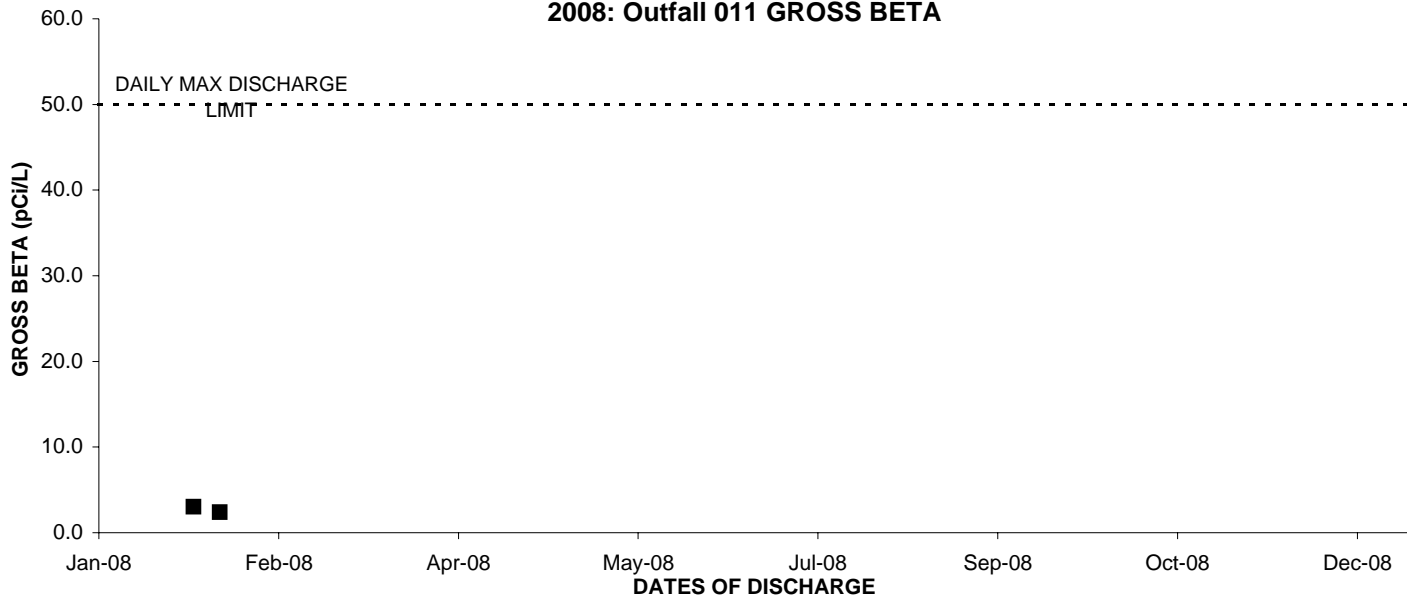
**2008: Outfall 011 ALPHA-BHC**



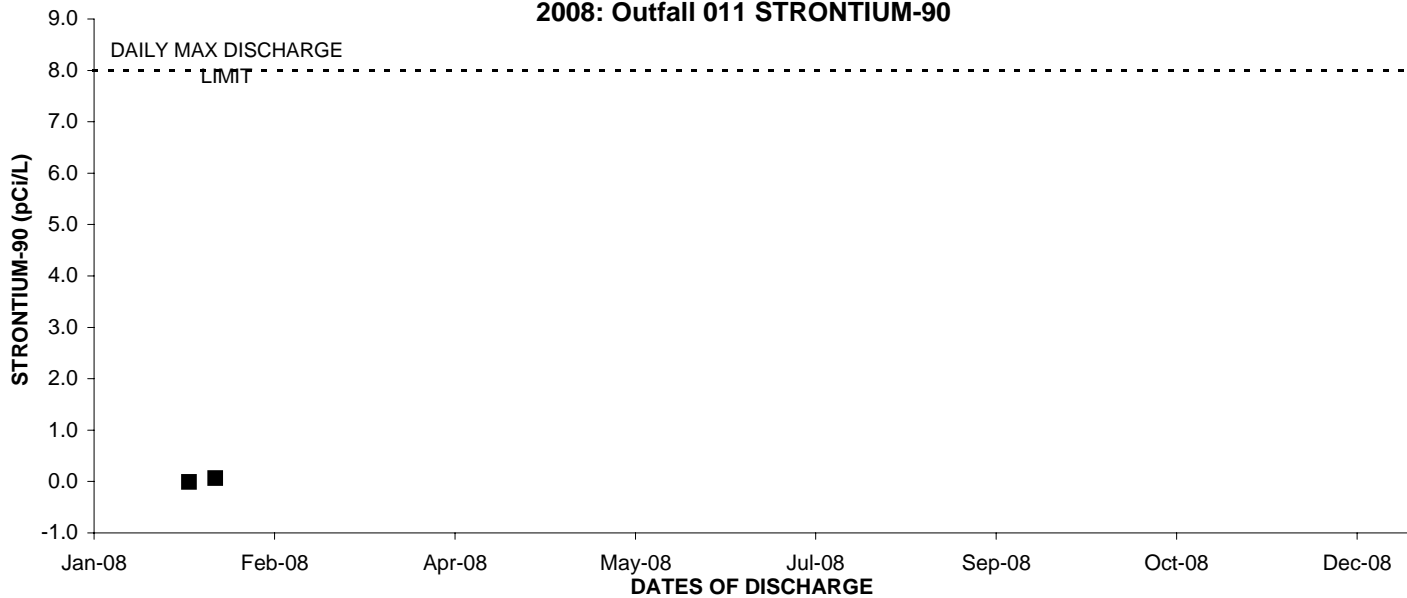
**2008: Outfall 011 GROSS ALPHA**



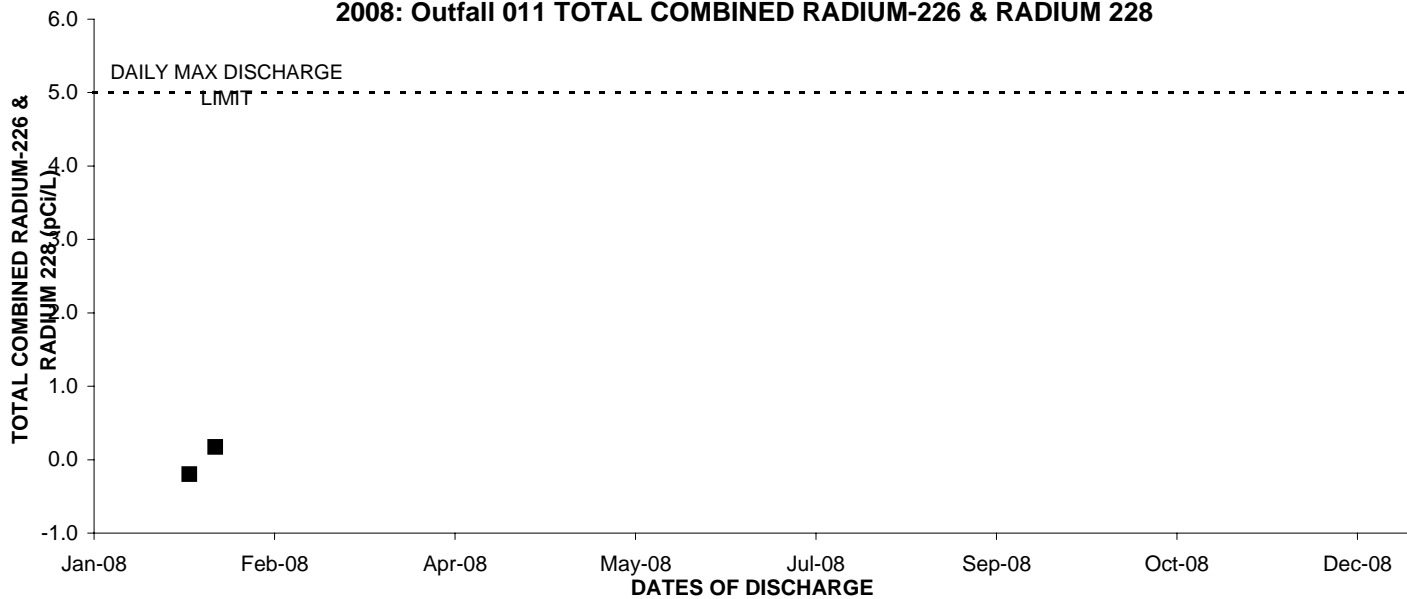
### 2008: Outfall 011 GROSS BETA



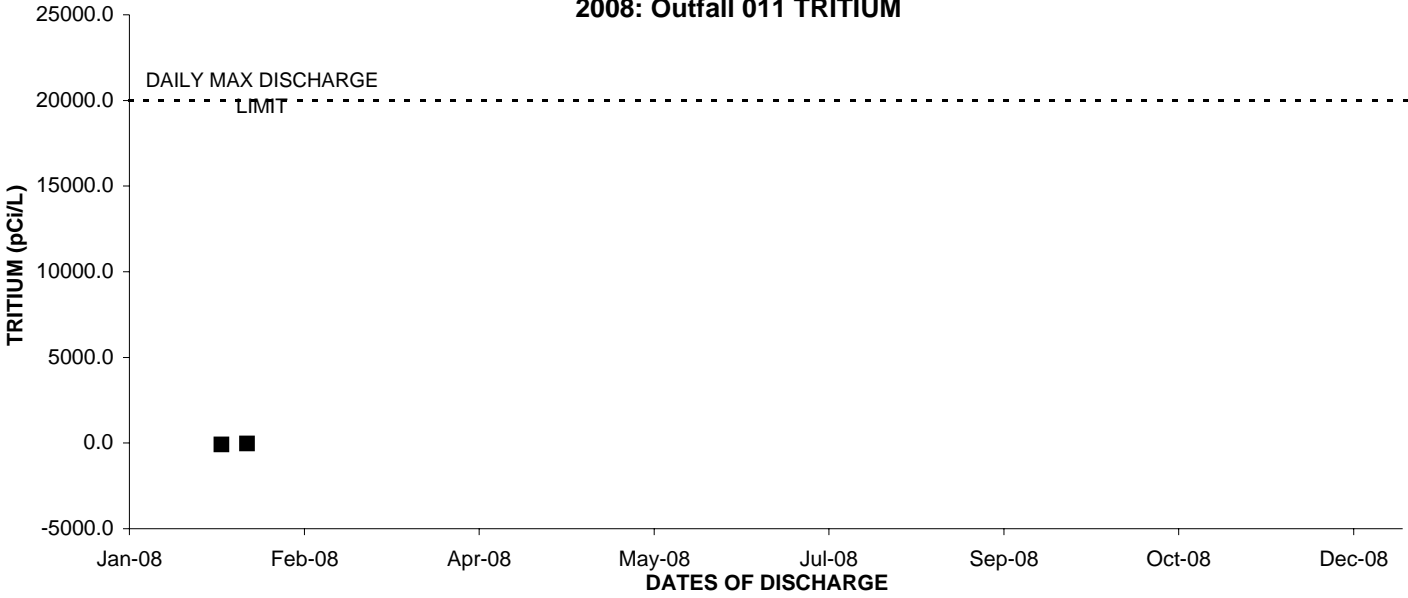
### 2008: Outfall 011 STRONTIUM-90



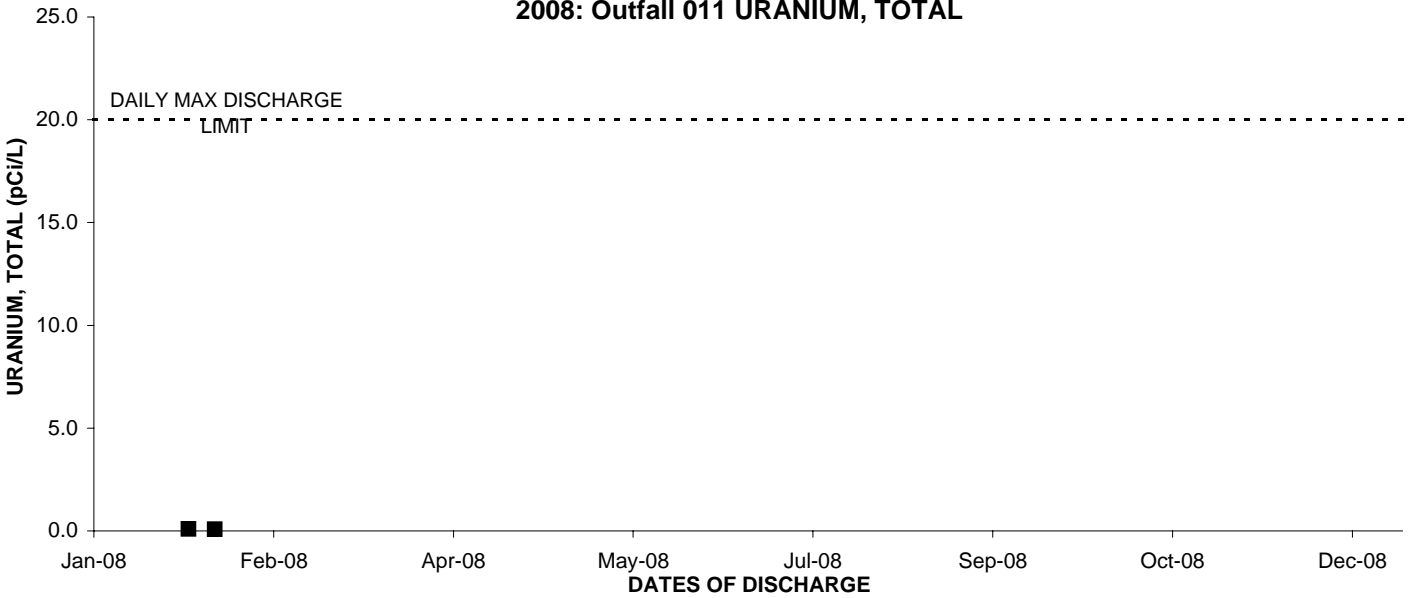
### 2008: Outfall 011 TOTAL COMBINED RADIUM-226 & RADIUM 228



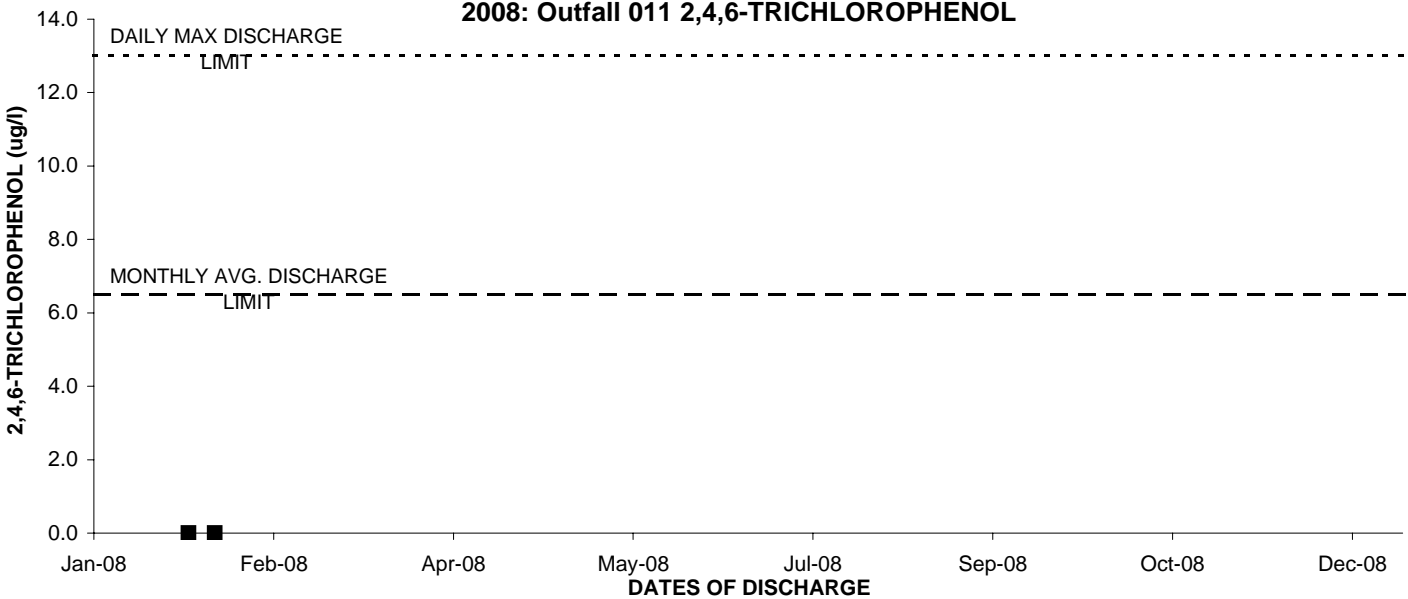
2008: Outfall 011 TRITIUM



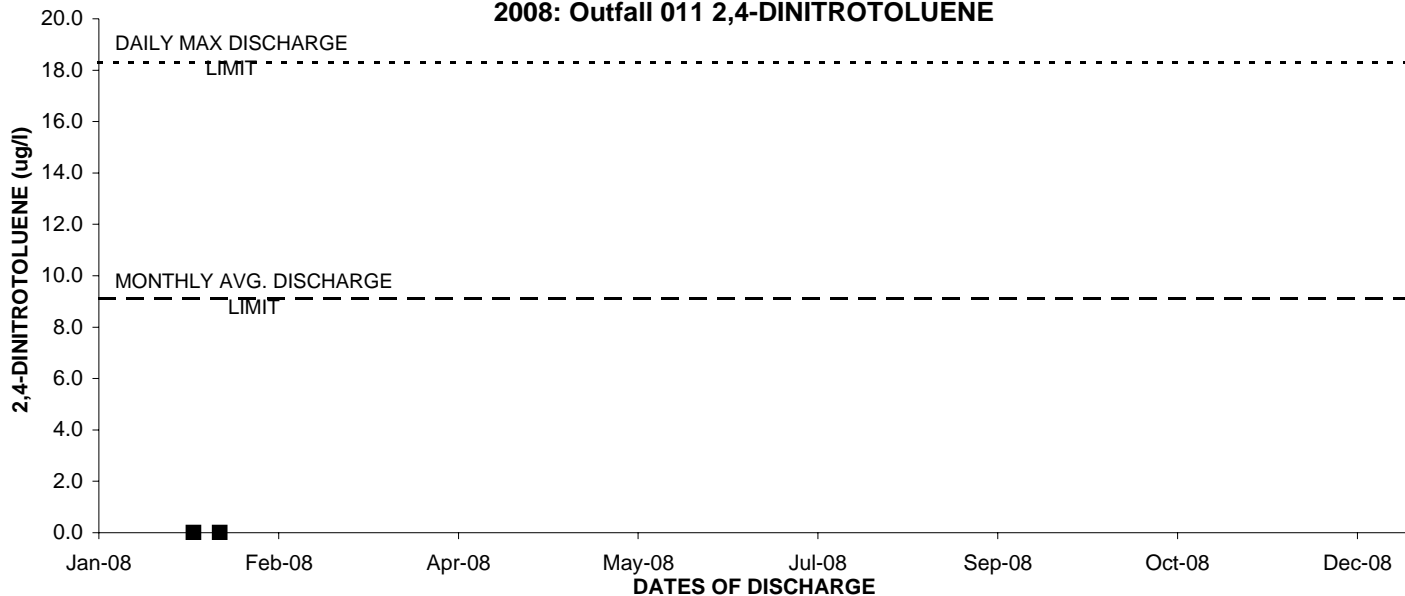
2008: Outfall 011 URANIUM, TOTAL



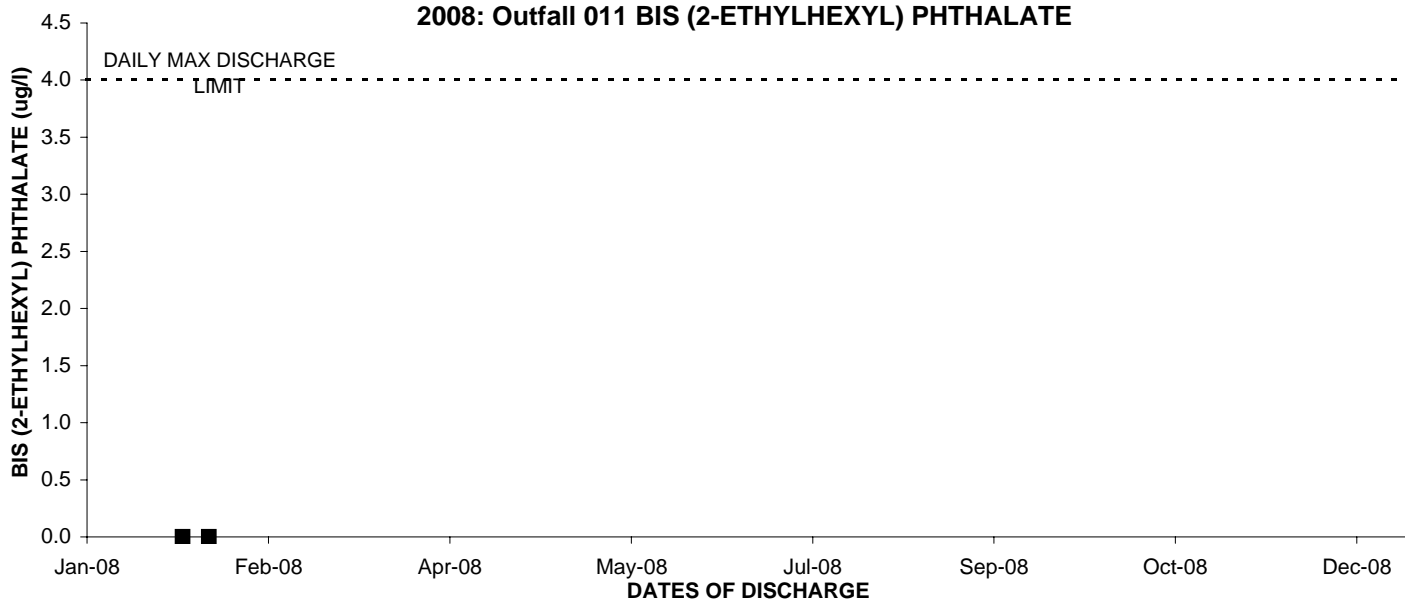
2008: Outfall 011 2,4,6-TRICHLOROPHENOL



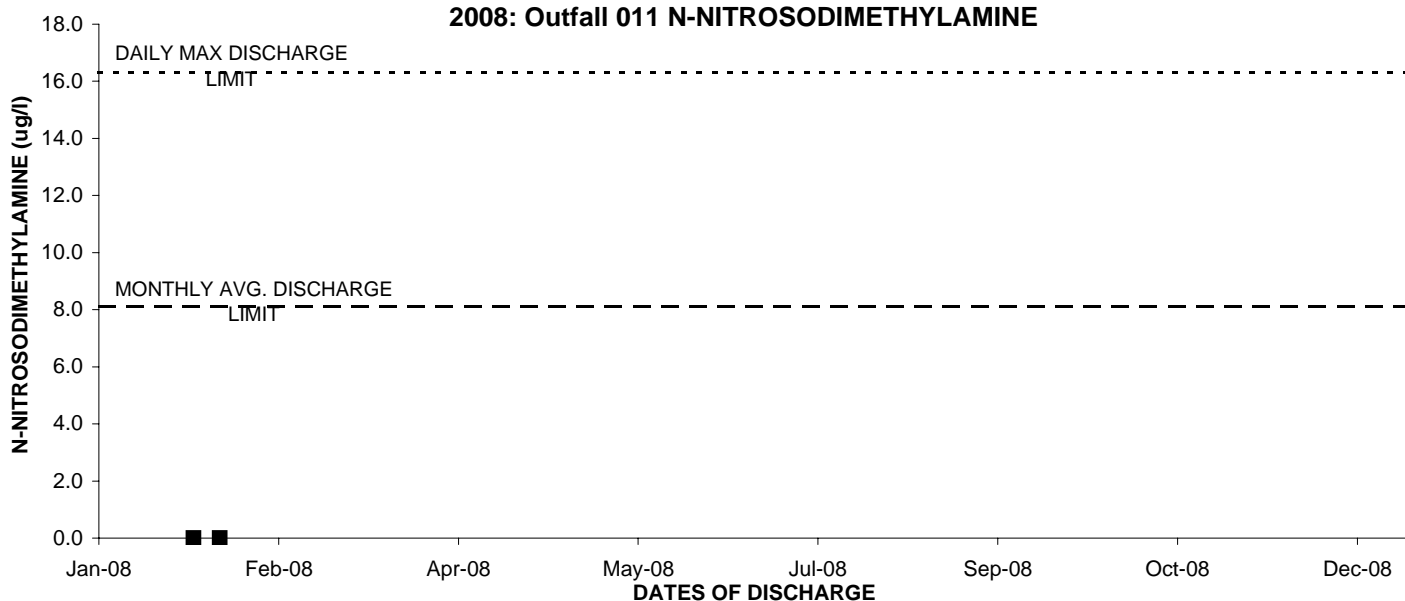
### 2008: Outfall 011 2,4-DINITROTOLUENE



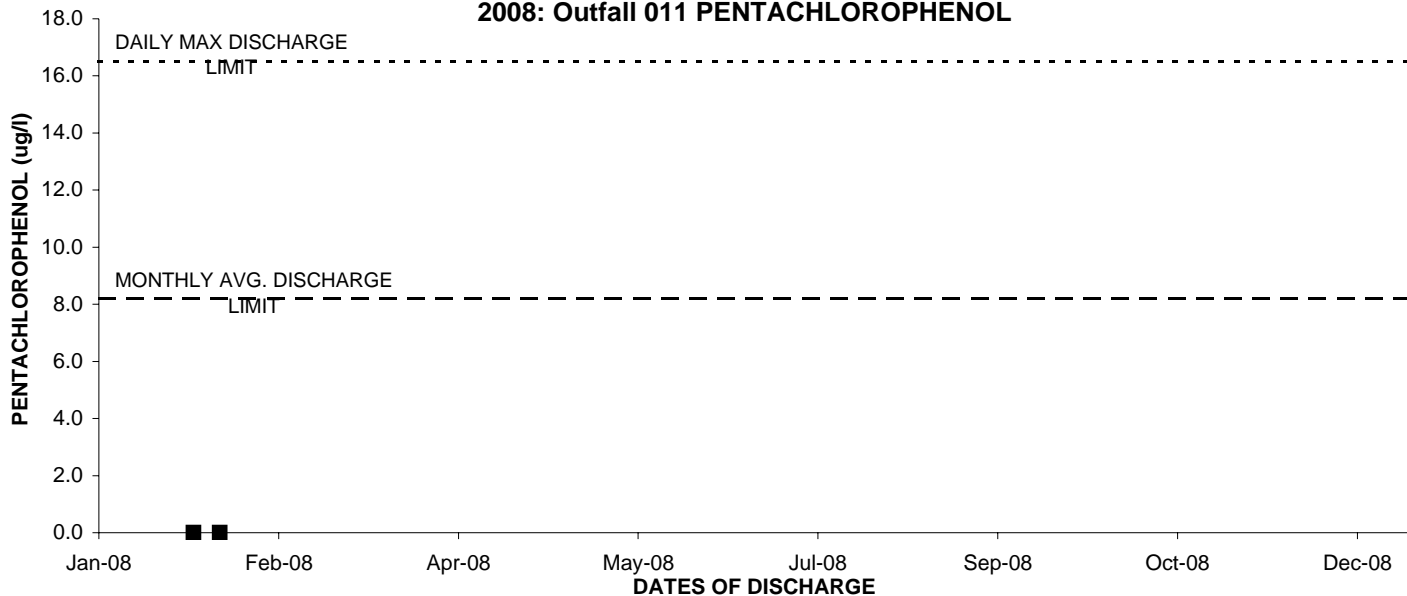
### 2008: Outfall 011 BIS (2-ETHYLHEXYL) PHTHALATE



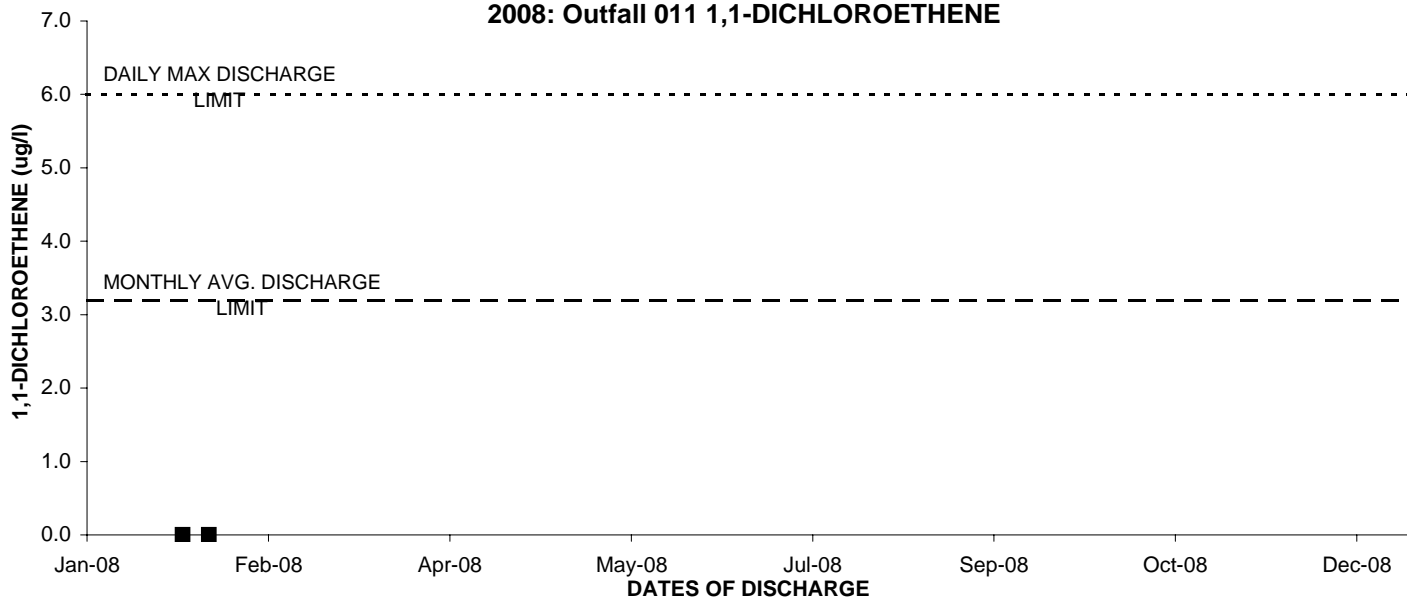
### 2008: Outfall 011 N-NITROSODIMETHYLAMINE



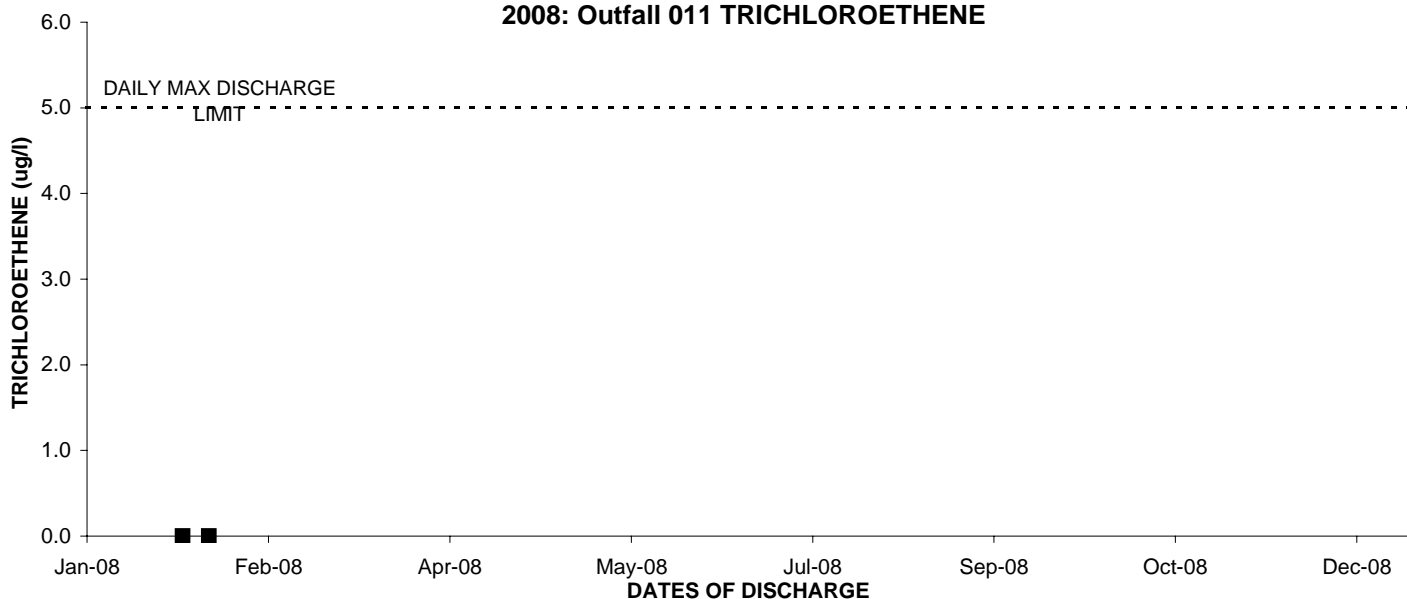
2008: Outfall 011 PENTACHLOROPHENOL



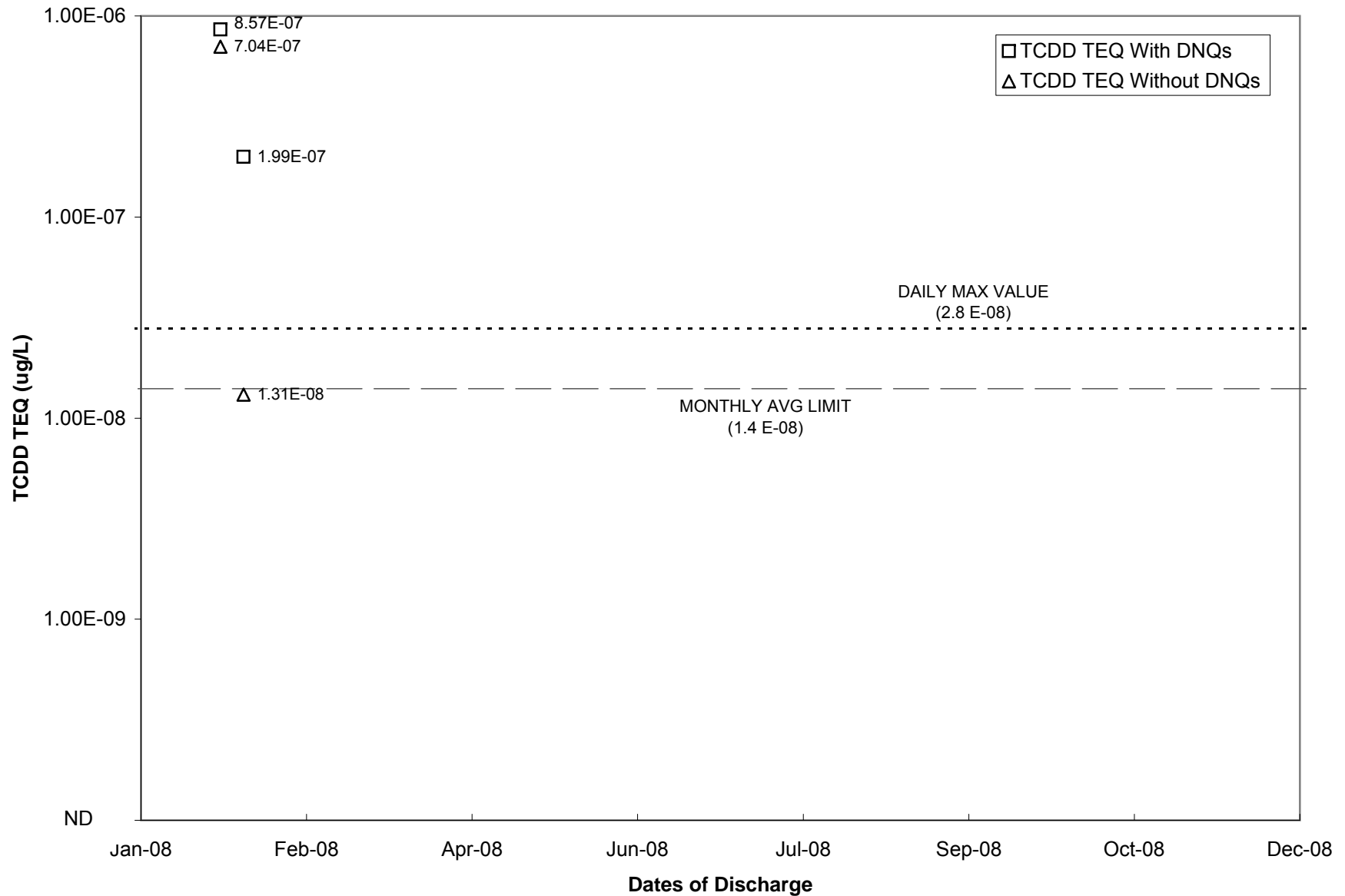
2008: Outfall 011 1,1-DICHLOROETHENE



2008: Outfall 011 TRICHLOROETHENE



### 2008: Outfall 011 TCDD



Note: Only TCDD TEQ Without DNQs (  $\Delta$  ) are used for compliance purposes and if greater than the daily max value, are a permit limit exceedance. TCDD TEQ With DNQ values are shown for information purposes only.