

OUTFALL 012 (Alfa Test Stand)

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

January 1 through December 31, 2008

ANALYTE	UNITS	Benchmark Limit Daily Max/Monthly Avg	1/5/2008		1/25/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/-	ND < 0.30	*	0.56	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	-/-	2.2	--	1.1	J (DNQ)
Chloride	mg/L	150/-	320	--	28	*
Fluoride	mg/L	1.6/-	2.0	--	0.33	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	2.5	*	0.67	*
Nitrate as Nitrogen (N)	mg/L	8.0/-	2.5	*	0.67	*
Nitrite-N	mg/L	1.0/-	ND < 0.090	*	ND < 0.090	*
Oil & Grease	mg/L	15/-	ND < 1.4	*	ND < 1.3	*
Perchlorate	ug/L	6.0/-	ND < 1.5	*	ND < 1.5	*
pH (Field)	pH units	6.5-8.5/-	7.8	*	7.4	*
Total Settleable Solids	ml/L	0.3/-	ND < 0.10	*	ND < 0.10	*
Sulfate	mg/L	300/-	61	*	4.5	*
Temperature	deg. F	86/-	53	*	47	*
Total Cyanide	ug/L	-/-	ANR	ANR	ANR	ANR
Total Dissolved Solids	mg/L	950/-	840	*	90	*
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	ND < 10	*	ND < 10	*
Turbidity	NTU	-/-	5.4	--	18	--
Volume Discharged	MGD	-/-	NR	*	NR	*
METALS						
Antimony	ug/L	-/-	ANR	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Arsenic	ug/L	-/-	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Boron	mg/L	1.0/-	0.065	*	ND < 0.020	*
Boron, dissolved	mg/L	-/-	0.065	*	ND < 0.020	*
Cadmium	ug/L	3.1/-	0.94	J (DNQ)	0.49	J (DNQ)
Cadmium, dissolved	ug/L	-/-	0.80	J (DNQ)	0.33	J (DNQ)
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Chromium	ug/L	-/-	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Copper	ug/L	13.5/-	3.3	--	3.0	--
Copper, dissolved	ug/L	-/-	2.2	--	1.9	J (DNQ)
Lead	ug/L	5.2/-	0.92	J (DNQ)	1.1	--
Lead, dissolved	ug/L	-/-	ND < 0.30	U	ND < 0.30	U
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Mercury	ug/L	0.10/-	ND < 0.050	U	ND < 0.050	U
Mercury, dissolved	ug/L	-/-	ND < 0.050	U	ND < 0.050	U
Nickel	ug/L	-/-	ANR	ANR	ANR	ANR
Nickel, dissolved	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
Selenium	ug/L	-/-	1.4	J (DNQ)	ND < 0.30	U
Selenium, dissolved	ug/L	-/-	1.8	J (DNQ)	ND < 0.30	U
Silver	ug/L	-/-	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Thallium	ug/L	-/-	ANR	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Zinc	ug/L	159/-	56	--	44	--
Zinc, dissolved	ug/L	-/-	47	--	21	J (I)
ORGANICS						
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
1,4-Dioxane	ug/L	3/-	ND < 1.0	*	ND < 1.0	*
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	ANR
TPH						
EFH (C13 - C22)	mg/L	0.1/-	ND < 0.096	*	ND < 0.094	*
DRO (C13-C22)	mg/L	0.1/-	ANR	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	0.1/-	ND < 0.025	*	ND < 0.025	*
ADDITIONAL ANALYTES						
2,4,5-Trichlorophenol	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
1,2,3-Trichloropropane	ug/L	-/-	ND < 0.40	U	ND < 0.40	U
1,2-Dibromoethane (EDB)	ug/L	50/-	ND < 0.40	U	ND < 0.40	U
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	-/-	ANR	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	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-Methylnaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Methylphenol	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-Chloroaniline	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	-/-	ANR	ANR	ANR	ANR
Aniline	ug/L	-/-	ANR	ANR	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
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
Benzoic acid	ug/L	-/-	ANR	ANR	ANR	ANR
Benzyl alcohol	ug/L	-/-	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	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
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Dibenzofuran	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
Diisopropyl ether	ug/L	-/-	ND < 0.25	U	ND < 0.25	U
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
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
Methyl-tert-butyl ether	ug/L	-/-	ND < 0.32	U	ND < 0.32	U
m-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR
Naphthalene	ug/L	21/-	ND < 2.9	U	ND < 3.0	U

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January 1 through December 31, 2008

ANALYTE	UNITS	Benchmark Limit Daily Max/Monthly Avg	1/5/2008		1/25/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ND < 2.4	U	ND < 2.5	UJ (C)
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR
o-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR
p-Cresol	ug/L	-/-	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR
p-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
tertiary Butyl Alcohol	ug/L	12/-	ND < 4.9	U	ND < 4.9	U
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

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ANALYTE	UNITS	Benchmark Limit Daily Max/Monthly Avg	2/25/2008	
			RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/-	ND < 0.30	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	-/-	4.1	--
Chloride	mg/L	150/-	35	*
Fluoride	mg/L	1.6/-	0.28	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	0.79	*
Nitrate as Nitrogen (N)	mg/L	8.0/-	0.79	*
Nitrite-N	mg/L	1.0/-	ND < 0.090	*
Oil & Grease	mg/L	15/-	1.9	J* (DNQ)
Perchlorate	ug/L	6.0/-	ND < 1.5	*
pH (Field)	pH units	6.5-8.5/-	8.0	*
Total Settleable Solids	ml/L	0.3/-	ND < 0.10	*
Sulfate	mg/L	300/-	9.0	*
Temperature	deg. F	86/-	50	*
Total Cyanide	ug/L	-/-	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	150	*
Hardness	mg/L	-/-	23	--
Hardness, dissolved	mg/L	-/-	23	--
Total Suspended Solids	mg/L	45/-	ND < 10	*
Turbidity	NTU	-/-	5.9	--
Volume Discharged	MGD	-/-	NR	*
METALS				
Antimony	ug/L	-/-	0.65	J (DNQ)
Antimony, dissolved	ug/L	-/-	0.76	J (DNQ)
Arsenic	ug/L	-/-	ND < 7.0	U
Arsenic, dissolved	ug/L	-/-	7.6	J (DNQ)
Beryllium	ug/L	-/-	ND < 0.90	U
Beryllium, dissolved	ug/L	-/-	ND < 0.90	U
Boron	mg/L	1.0/-	ND < 0.020	U
Boron, dissolved	mg/L	-/-	ND < 0.020	U
Cadmium	ug/L	3.1/-	ND < 2.0	UJ (B)
Cadmium, dissolved	ug/L	-/-	0.40	J (DNQ)
Calcium	mg/L	-/-	7.6	--
Calcium, Dissolved	mg/L	-/-	7.5	--
Chromium	ug/L	-/-	ND < 2.0	U
Chromium, dissolved	ug/L	-/-	ND < 2.0	U
Copper	ug/L	13.5/-	2.0	J (DNQ)
Copper, dissolved	ug/L	-/-	1.5	J (DNQ)
Lead	ug/L	5.2/-	ND < 0.60	U
Lead, dissolved	ug/L	-/-	ND < 0.30	U
Magnesium	mg/L	-/-	0.96	--
Magnesium, Dissolved	mg/L	-/-	1.0	--
Mercury	ug/L	0.10/-	ND < 0.050	U
Mercury, dissolved	ug/L	-/-	ND < 0.050	U
Nickel	ug/L	-/-	ND < 2.0	U
Nickel, dissolved	ug/L	-/-	ND < 2.0	U

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			RESULT	VALIDATION QUALIFIER
Selenium	ug/L	-/-	ND < 0.60	U
Selenium, dissolved	ug/L	-/-	ND < 2.0	UJ (B)
Silver	ug/L	-/-	ND < 0.60	U
Silver, dissolved	ug/L	-/-	ND < 0.30	U
Thallium	ug/L	-/-	ND < 0.40	U
Thallium, dissolved	ug/L	-/-	ND < 0.20	U
Zinc	ug/L	159/-	ND < 40	UJ (B)
Zinc, dissolved	ug/L	-/-	30	--
ORGANICS				
Benzene	ug/L	-/-	ND < 0.28	U
Carbon Tetrachloride	ug/L	-/-	ND < 0.28	U
Chloroform	ug/L	-/-	ND < 0.33	U
1,1-Dichloroethane	ug/L	-/-	ND < 0.27	U
1,2-Dichloroethane	ug/L	-/-	ND < 0.28	U
1,1-Dichloroethene	ug/L	-/-	ND < 0.42	U
1,4-Dioxane	ug/L	3/-	ND < 1.0	*
Ethylbenzene	ug/L	-/-	ND < 0.25	U
Tetrachloroethene	ug/L	-/-	ND < 0.32	U
Toluene	ug/L	-/-	ND < 0.36	U
Xylenes (Total)	ug/L	-/-	ND < 0.90	U
1,1,1-Trichloroethane	ug/L	-/-	ND < 0.30	U
1,1,2-Trichloroethane	ug/L	-/-	ND < 0.30	U
Trichloroethene	ug/L	-/-	1.4	--
Trichlorofluoromethane	ug/L	-/-	ND < 0.34	U
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ND < 0.50	U
Vinyl chloride	ug/L	-/-	ND < 0.30	U
TPH				
EFH (C13 - C22)	mg/L	0.1/-	ANR	ANR
DRO (C13-C22)	mg/L	0.1/-	0.061	J* (DNQ)
GRO (C4 - C12)	mg/L	0.1/-	ND < 0.030	*
ADDITIONAL ANALYTES				
2,4,5-Trichlorophenol	ug/L	-/-	ND < 2.9	*
1,1,2,2-Tetrachloroethane	ug/L	-/-	ND < 0.24	U
1,2,4-Trichlorobenzene	ug/L	-/-	ND < 2.4	*
1,2,3-Trichloropropane	ug/L	-/-	ND < 0.40	U
1,2-Dibromoethane (EDB)	ug/L	50/-	ND < 0.40	U
1,2-Dichlorobenzene	ug/L	-/-	ND < 2.9	*
1,2-Dichlorobenzene	ug/L	-/-	ND < 0.32	U
1,2-Dichloropropane	ug/L	-/-	ND < 0.35	U
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ND < 2.4	*
1,3-Dichlorobenzene	ug/L	-/-	ND < 0.35	U
1,3-Dichlorobenzene	ug/L	-/-	ND < 2.9	*
1,4-Dichlorobenzene	ug/L	-/-	ND < 0.37	U
1,4-Dichlorobenzene	ug/L	-/-	ND < 2.4	*
2,4,6-Trichlorophenol	ug/L	-/-	ND < 4.3	*
2,4-Dichlorophenol	ug/L	-/-	ND < 3.3	*

OUTFALL 012 (Alfa Test Stand)

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

January 1 through December 31, 2008

ANALYTE	UNITS	Benchmark Limit Daily Max/Monthly Avg	2/25/2008	
			RESULT	VALIDATION QUALIFIER
2,4-Dimethylphenol	ug/L	-/-	ND < 3.3	*
2,4-Dinitrophenol	ug/L	-/-	ND < 7.6	*
2,4-Dinitrotoluene	ug/L	-/-	ND < 3.3	*
2,6-Dinitrotoluene	ug/L	-/-	ND < 1.9	*
2-Chloroethylvinylether	ug/L	-/-	ND < 1.8	UJ (C)
2-Chloronaphthalene	ug/L	-/-	ND < 2.9	*
2-Chlorophenol	ug/L	-/-	ND < 2.9	*
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ND < 3.8	*
2-Methylnaphthalene	ug/L	-/-	ND < 1.9	*
2-Methylphenol	ug/L	-/-	ND < 2.9	*
2-Nitrophenol	ug/L	-/-	ND < 3.3	*
3,3'-Dichlorobenzidine	ug/L	-/-	ND < 2.9	*
4,4'-DDD	ug/L	-/-	ND < 0.0019	*
4,4'-DDE	ug/L	-/-	ND < 0.0028	*
4,4'-DDT	ug/L	-/-	ND < 0.0038	*
4-Bromophenylphenylether	ug/L	-/-	ND < 2.9	*
4-Chloro-3-methylphenol	ug/L	-/-	ND < 2.4	*
4-Chloroaniline	ug/L	-/-	ND < 1.9	*
4-Chlorophenylphenylether	ug/L	-/-	ND < 2.4	*
4-Nitrophenol	ug/L	-/-	ND < 5.2	*
Acenaphthene	ug/L	-/-	ND < 2.9	*
Acenaphthylene	ug/L	-/-	ND < 2.9	*
Acrolein	ug/L	-/-	ND < 4.0	R (R)
Acrylonitrile	ug/L	-/-	ND < 0.70	U
Acute Toxicity	% SURVIVAL	70-100/-	100	*
Aldrin	ug/L	-/-	ND < 0.0014	*
alpha-BHC	ug/L	-/-	ND < 0.0024	*
Aniline	ug/L	-/-	ND < 2.4	*
Anthracene	ug/L	-/-	ND < 1.9	*
Aroclor-1016	ug/L	-/-	ND < 0.42	*
Aroclor-1221	ug/L	-/-	ND < 0.24	*
Aroclor-1232	ug/L	-/-	ND < 0.24	*
Aroclor-1242	ug/L	-/-	ND < 0.24	*
Aroclor-1248	ug/L	-/-	ND < 0.24	*
Aroclor-1254	ug/L	-/-	ND < 0.24	*
Aroclor-1260	ug/L	-/-	ND < 0.28	*
Benzidine	ug/L	-/-	ND < 8.1	*
Benzo(a)anthracene	ug/L	-/-	ND < 1.9	*
Benzo(a)pyrene	ug/L	-/-	ND < 1.9	*
Benzo(b)fluoranthene	ug/L	-/-	ND < 1.9	*
Benzo(g,h,i)perylene	ug/L	-/-	ND < 3.8	*
Benzo(k)fluoranthene	ug/L	-/-	ND < 2.4	*
Benzoic acid	ug/L	-/-	ND < 9.5	*
Benzyl alcohol	ug/L	-/-	ND < 2.4	*
beta-BHC	ug/L	-/-	ND < 0.0038	*
bis (2-Chloroethyl) ether	ug/L	-/-	ND < 2.9	*

OUTFALL 012 (Alfa Test Stand)

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

January 1 through December 31, 2008

ANALYTE	UNITS	Benchmark Limit Daily Max/Monthly Avg	2/25/2008	
			RESULT	VALIDATION QUALIFIER
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ND < 3.8	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ND < 2.9	*
bis(2-Chloroisopropyl) ether	ug/L	-/-	ND < 2.4	*
Bromodichloromethane	ug/L	-/-	ND < 0.30	U
Bromoform	ug/L	-/-	ND < 0.40	U
Bromomethane	ug/L	-/-	ND < 0.42	U
Butylbenzylphthalate	ug/L	-/-	ND < 3.8	*
Chlordane	ug/L	-/-	ND < 0.028	*
Chlorobenzene	ug/L	-/-	ND < 0.36	U
Chloroethane	ug/L	-/-	ND < 0.40	U
Chloromethane	ug/L	-/-	ND < 0.40	U
Chrysene	ug/L	-/-	ND < 2.4	*
cis-1,3-Dichloropropene	ug/L	-/-	ND < 0.22	U
delta-BHC	ug/L	-/-	ND < 0.0033	*
Dibenzo(a,h)anthracene	ug/L	-/-	ND < 2.9	*
Dibenzofuran	ug/L	-/-	ND < 3.8	*
Dibromochloromethane	ug/L	-/-	ND < 0.28	U
Dieldrin	ug/L	-/-	ND < 0.0019	*
Diethylphthalate	ug/L	-/-	ND < 3.3	*
Diisopropyl ether	ug/L	-/-	ND < 0.25	U
Dimethylphthalate	ug/L	-/-	ND < 1.9	*
Di-n-butylphthalate	ug/L	-/-	ND < 2.9	*
Di-n-octylphthalate	ug/L	-/-	ND < 3.3	*
Endosulfan I	ug/L	-/-	ND < 0.0019	*
Endosulfan II	ug/L	-/-	ND < 0.0028	*
Endosulfan sulfate	ug/L	-/-	ND < 0.0028	*
Endrin	ug/L	-/-	ND < 0.0019	*
Endrin aldehyde	ug/L	-/-	ND < 0.0019	*
Endrin ketone	ug/L	-/-	ND < 0.0028	*
Fluoranthene	ug/L	-/-	ND < 2.9	*
Fluorene	ug/L	-/-	ND < 2.9	*
Heptachlor	ug/L	-/-	ND < 0.0028	*
Heptachlor epoxide	ug/L	-/-	ND < 0.0024	*
Hexachlorobenzene	ug/L	-/-	ND < 2.9	*
Hexachlorobutadiene	ug/L	-/-	ND < 3.8	*
Hexachlorocyclopentadiene	ug/L	-/-	ND < 4.8	*
Hexachloroethane	ug/L	-/-	ND < 3.3	*
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ND < 3.3	*
Isophorone	ug/L	-/-	ND < 2.4	*
Lindane (gamma-BHC)	ug/L	-/-	ND < 0.0028	*
Methoxychlor	ug/L	-/-	ND < 0.0033	*
Methylene Chloride	ug/L	-/-	ND < 0.95	UJ (T)
Methyl-tert-butyl ether	ug/L	-/-	ND < 0.32	U
m-Nitroaniline	ug/L	-/-	ND < 2.9	*
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR
Naphthalene	ug/L	21/-	ND < 2.9	*

OUTFALL 012 (Alfa Test Stand)

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

January 1 through December 31, 2008

ANALYTE	UNITS	Benchmark Limit Daily Max/Monthly Avg	2/25/2008	
			RESULT	VALIDATION QUALIFIER
Nitrobenzene	ug/L	-/-	ND < 2.4	*
n-Nitrosodimethylamine	ug/L	-/-	ND < 2.4	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ND < 3.3	*
n-Nitrosodiphenylamine	ug/L	-/-	ND < 1.9	*
o-Nitroaniline	ug/L	-/-	ND < 1.9	*
p-Cresol	ug/L	-/-	ND < 2.9	*
Pentachlorophenol	ug/L	-/-	ND < 3.3	*
Phenanthrene	ug/L	-/-	ND < 3.3	*
Phenol	ug/L	-/-	ND < 1.9	*
p-Nitroaniline	ug/L	-/-	ND < 3.8	*
Pyrene	ug/L	-/-	ND < 3.8	*
tertiary Butyl Alcohol	ug/L	12/-	ND < 4.9	U
Toxaphene	ug/L	-/-	ND < 0.066	*
trans-1,2-Dichloroethene	ug/L	-/-	ND < 0.27	U
trans-1,3-Dichloropropene	ug/L	-/-	ND < 0.32	U

OUTFALL 012 (Alfa Test Stand)

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

Sample Date January 5, 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	6.12E-06	J (DNQ)	0.01	6.12E-08	ND
1,2,3,4,6,7,8-HpCDF	0.00E+00	3.58E-06	ND	UJ (*III)	0.01	ND	ND
1,2,3,4,7,8,9-HpCDF	1.63E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	3.08E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	1.17E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	3.20E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	1.16E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	3.01E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	1.73E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	2.15E-06	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	2.14E-06	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	1.29E-06	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	2.17E-06	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	1.45E-06	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	1.36E-06	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	4.73E-05	J (DNQ)	0.0001	4.73E-09	ND
OCDF	8.99E-06	5.00E-05	ND	U	0.0001	ND	ND

TCDD TEQ w/ DNQ Values	6.59E-08	
TCDD TEQ w/out DNQ Values		ND

Dioxin TCDD TEQ benchmark limit established for this outfall?

Yes

TCDD TEQ BENCHMARK LIMIT = 2.80E-08

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

OUTFALL 012 (Alfa Test Stand)

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

Sample Date January 25, 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	9.20E-06	J (DNQ)	0.01	9.20E-08	ND
1,2,3,4,6,7,8-HpCDF	0.00E+00	6.67E-06	ND	UJ (*III)	0.01	ND	ND
1,2,3,4,7,8,9-HpCDF	2.32E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	2.60E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	9.17E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	2.59E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	1.11E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	2.50E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	1.61E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	7.96E-07	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	8.09E-07	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	1.26E-06	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	9.32E-07	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	9.94E-07	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	8.10E-07	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	1.20E-04	--	0.0001	1.20E-08	1.20E-08
OCDF	0.00E+00	5.00E-05	1.47E-05	J (DNQ)	0.0001	1.47E-09	ND

TCDD TEQ w/ DNQ Values	1.05E-07	
TCDD TEQ w/out DNQ Values		1.20E-08

Dioxin TCDD TEQ benchmark limit established for this outfall?

Yes

TCDD TEQ BENCHMARK LIMIT = 2.80E-08

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

OUTFALL 012 (Alfa Test Stand)

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

Sample Date February 25, 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	3.38E-05	--	0.01	3.38E-07	3.38E-07
1,2,3,4,6,7,8-HpCDF	0.00E+00	2.50E-05	2.48E-05	--	0.01	2.48E-07	2.48E-07
1,2,3,4,7,8,9-HpCDF	1.83E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	2.33E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	1.40E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	2.39E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	0.00E+00	9.99E-07	ND	UJ (*III)	0.1	ND	ND
1,2,3,7,8,9-HxCDD	4.67E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	7.28E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	1.36E-06	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	1.27E-06	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	1.40E-06	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	1.39E-06	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	7.22E-07	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	6.83E-07	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	2.53E-04	--	0.0001	2.53E-08	2.53E-08
OCDF	0.00E+00	5.00E-05	2.74E-05	J (DNQ)	0.0001	2.74E-09	ND

TCDD TEQ w/ DNQ Values	6.14E-07	
TCDD TEQ w/out DNQ Values		6.11E-07

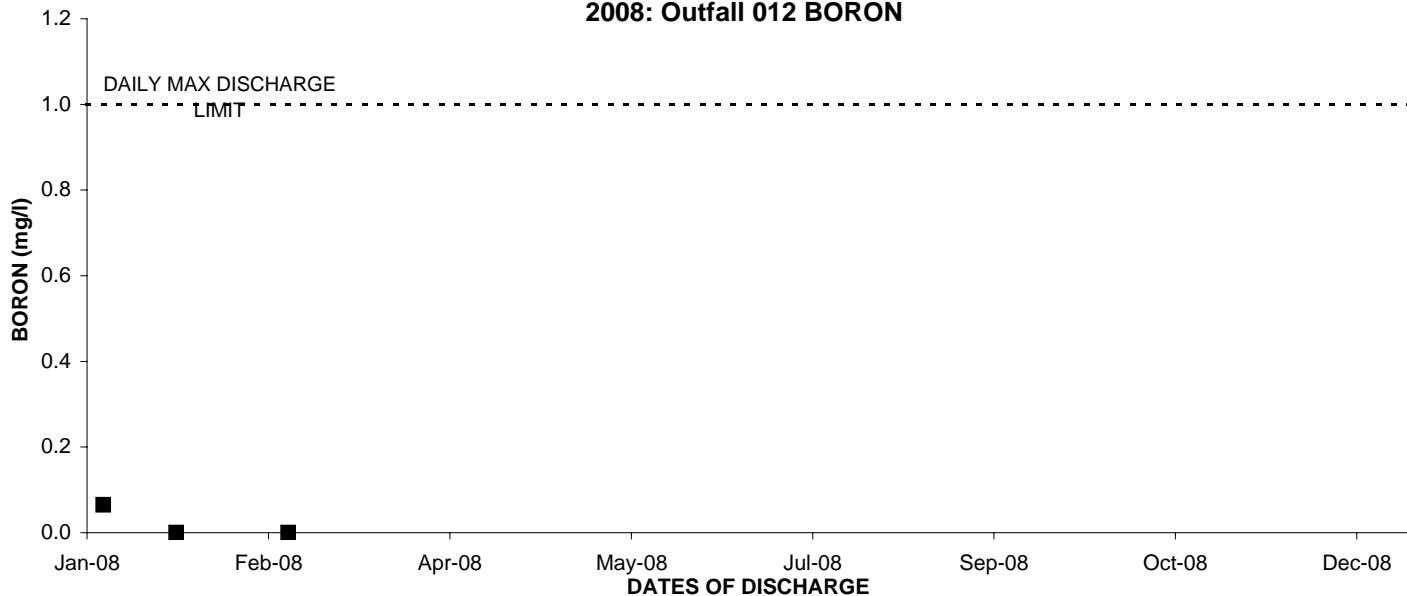
Dioxin TCDD TEQ benchmark limit established for this outfall?

Yes

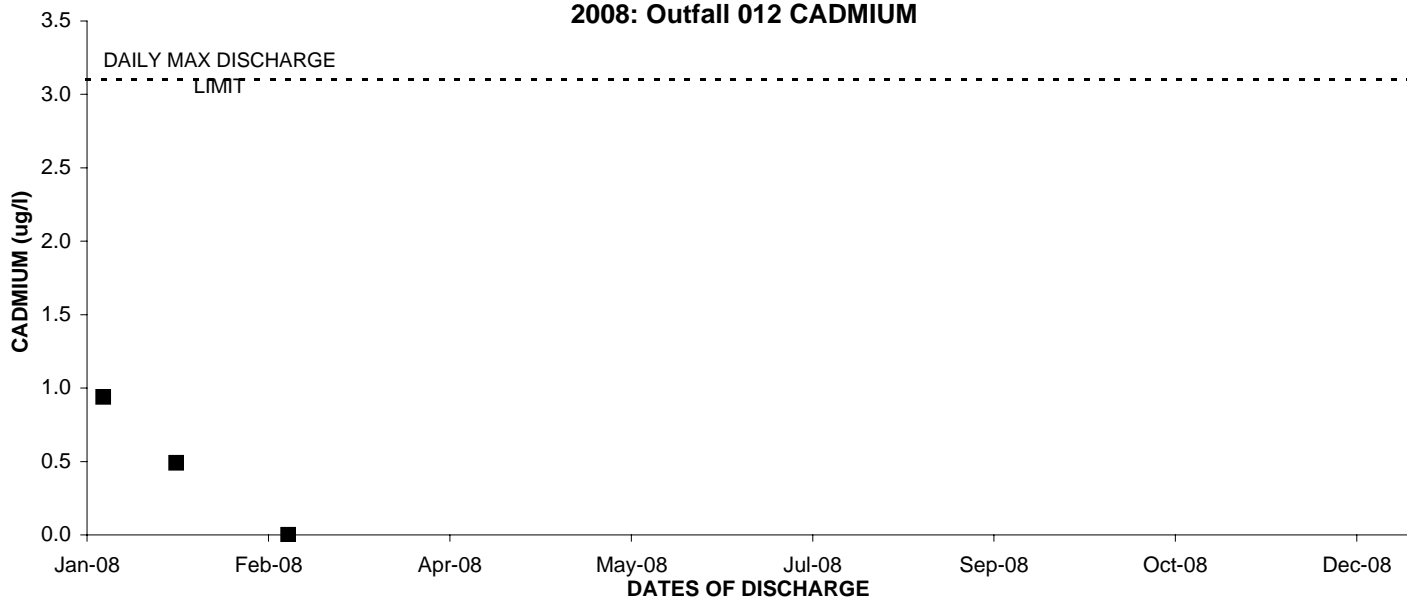
TCDD TEQ BENCHMARK LIMIT = 2.80E-08

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

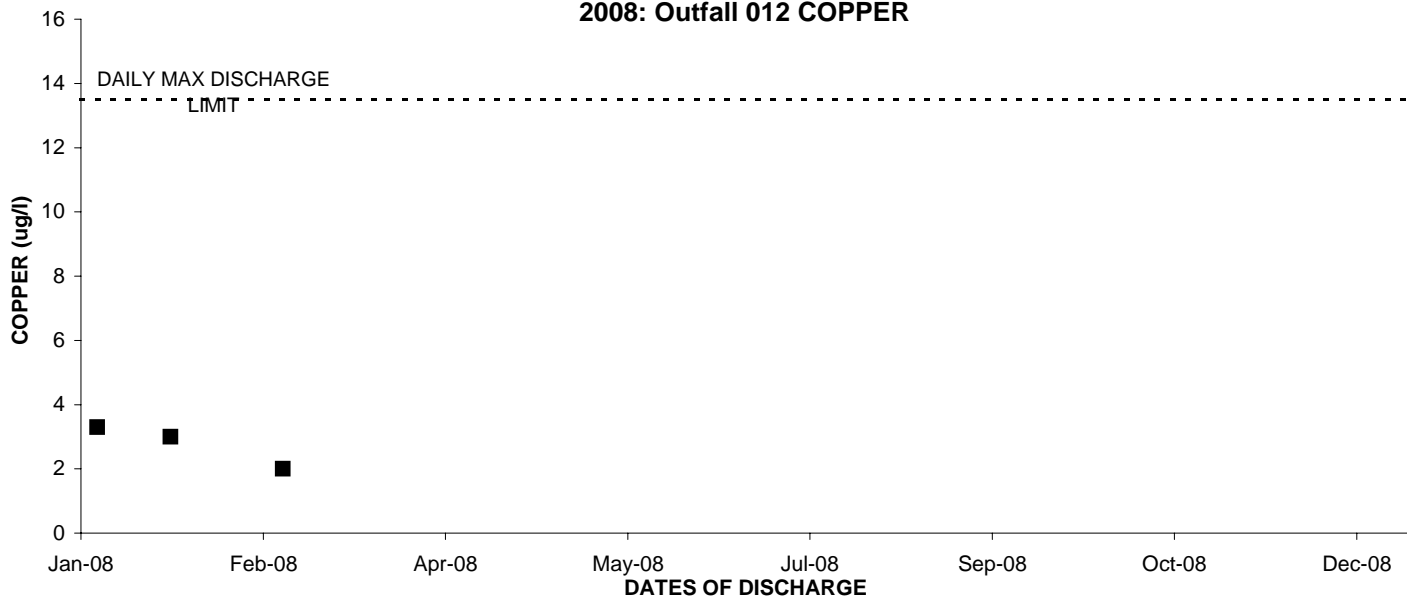
2008: Outfall 012 BORON



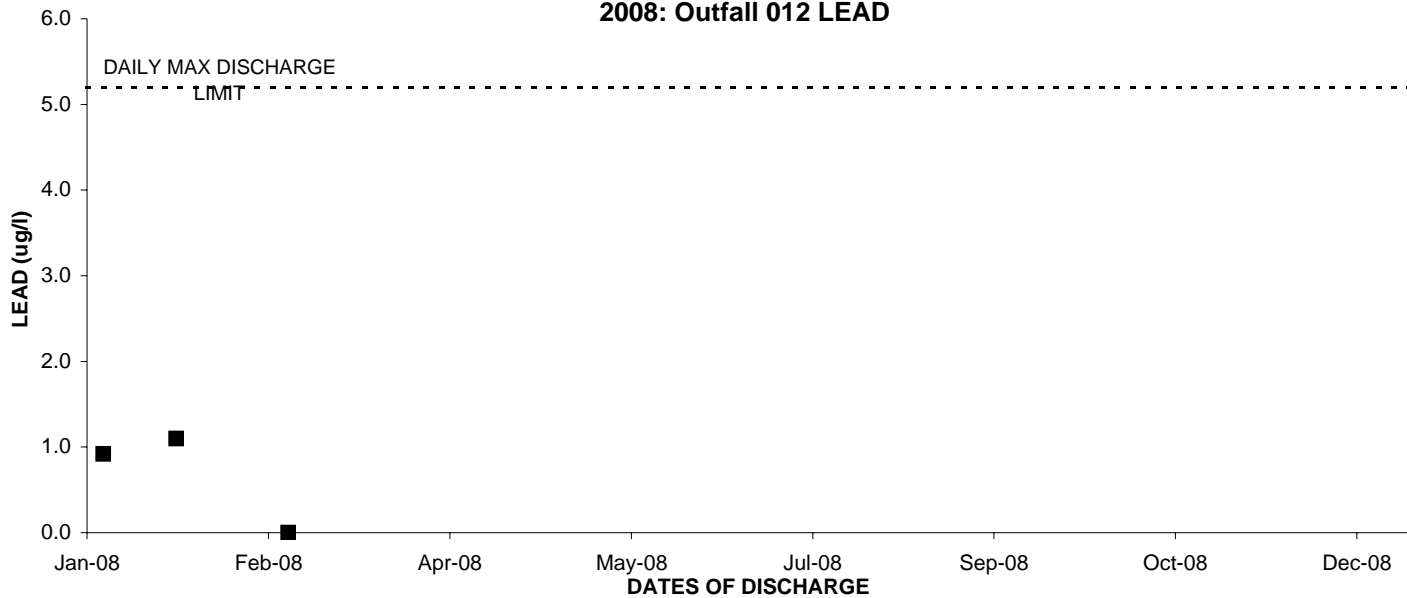
2008: Outfall 012 CADMIUM



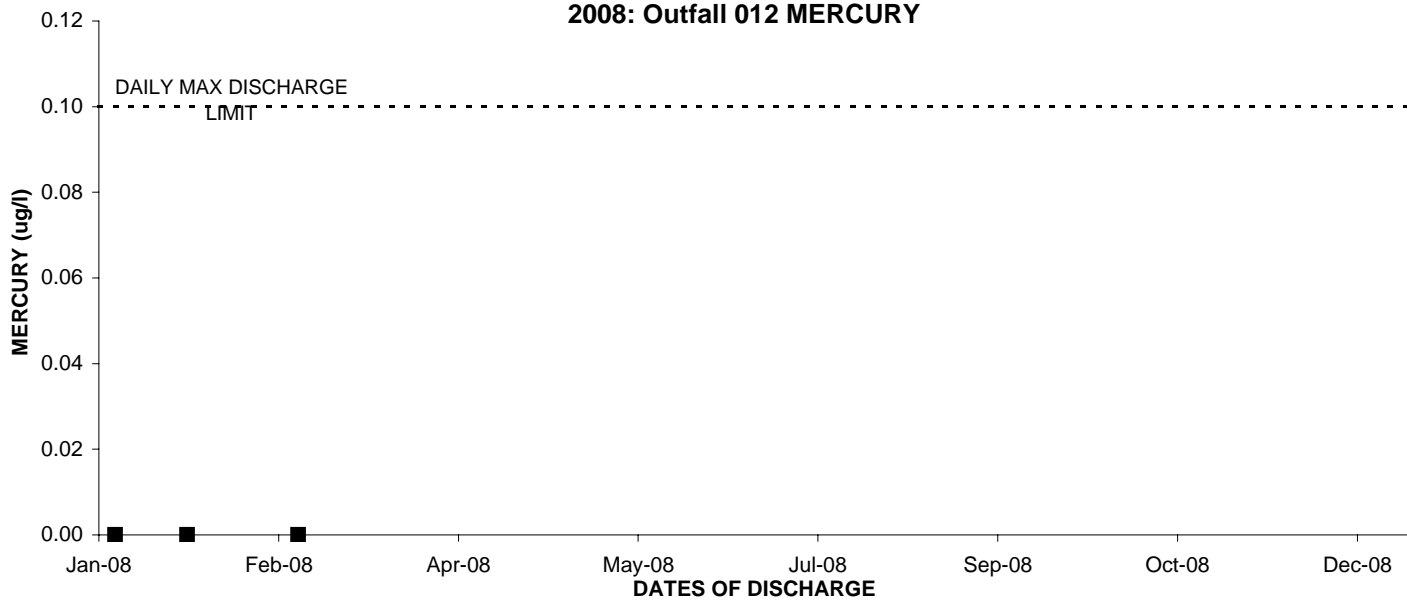
2008: Outfall 012 COPPER



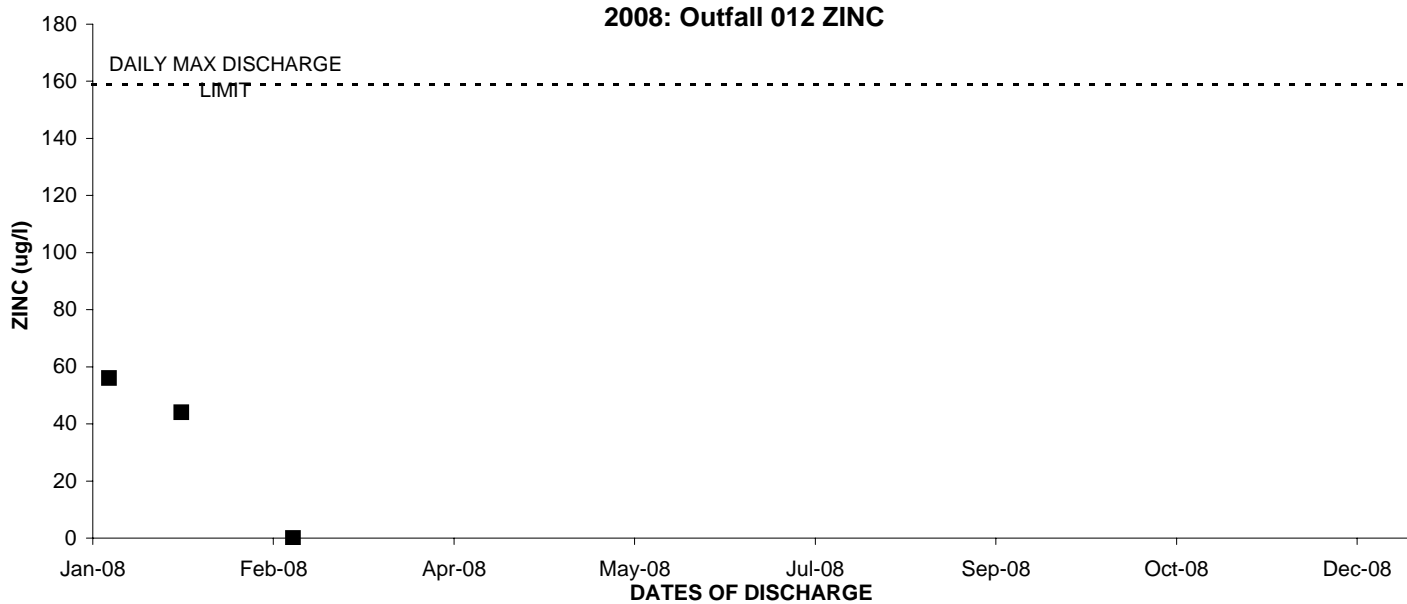
2008: Outfall 012 LEAD



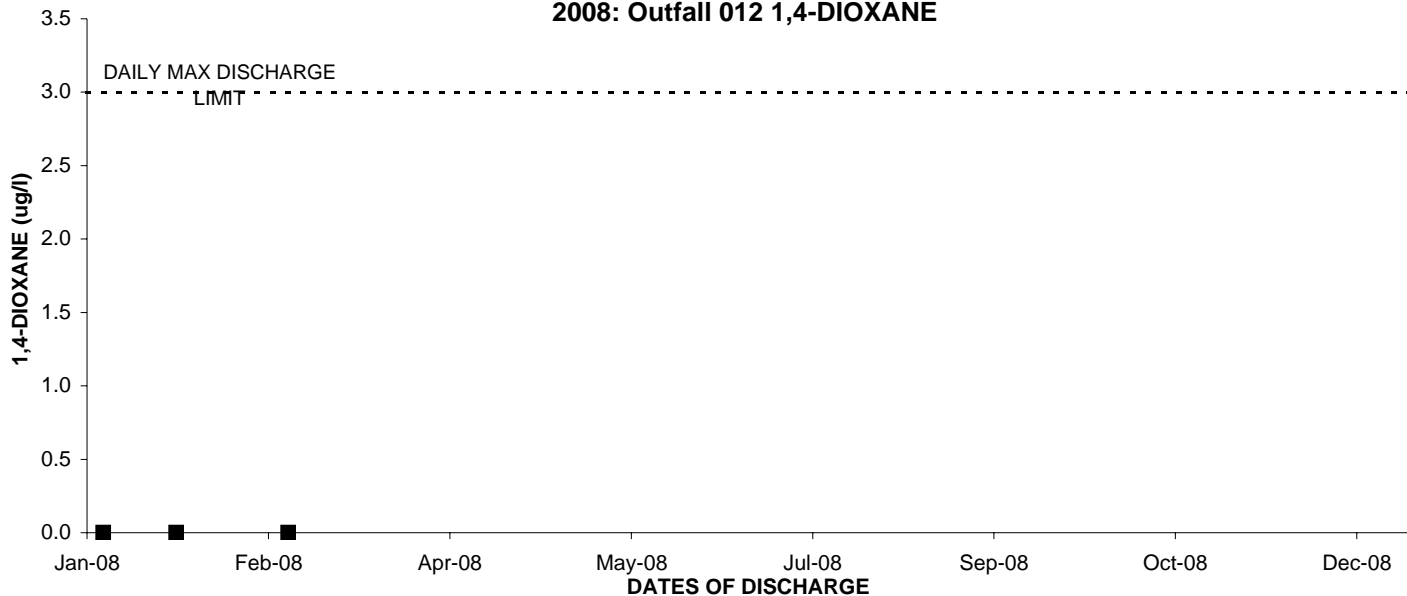
2008: Outfall 012 MERCURY



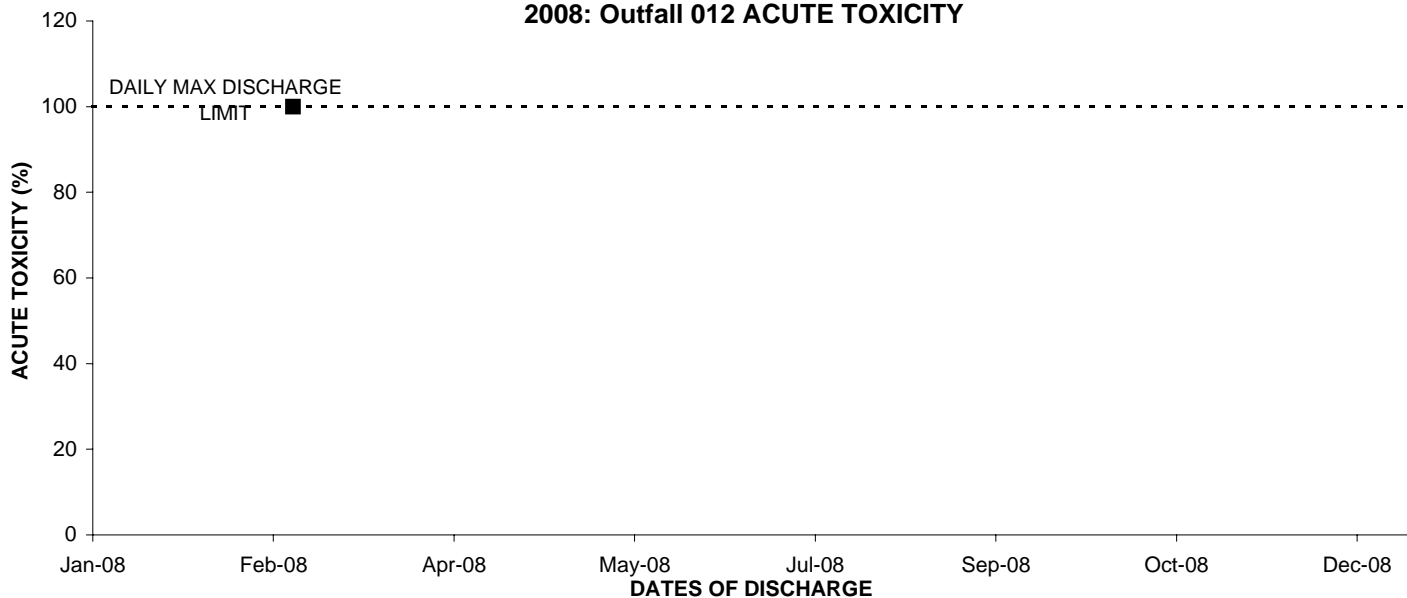
2008: Outfall 012 ZINC



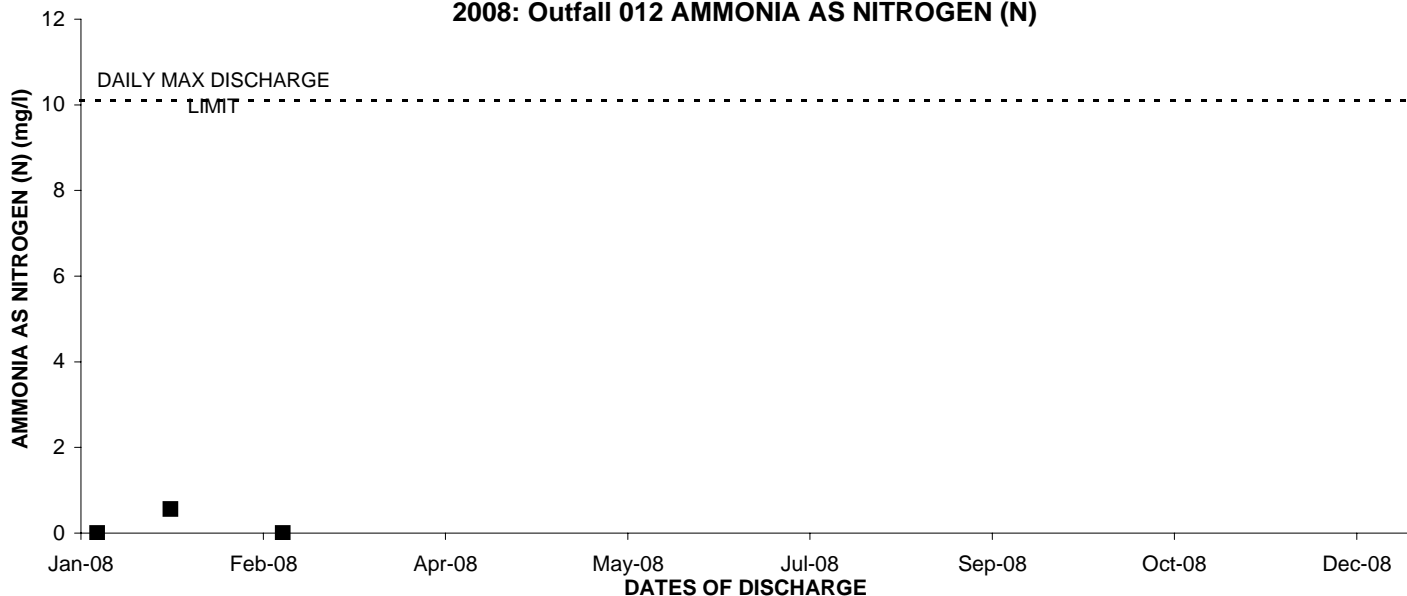
2008: Outfall 012 1,4-DIOXANE



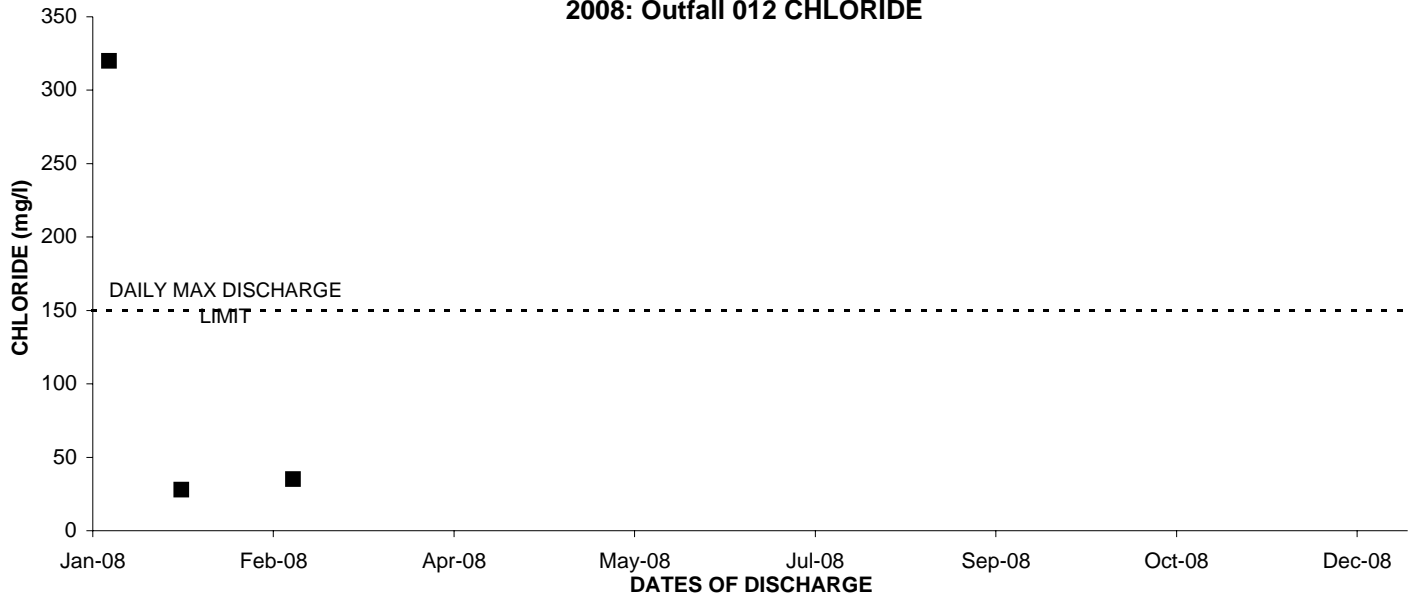
2008: Outfall 012 ACUTE TOXICITY



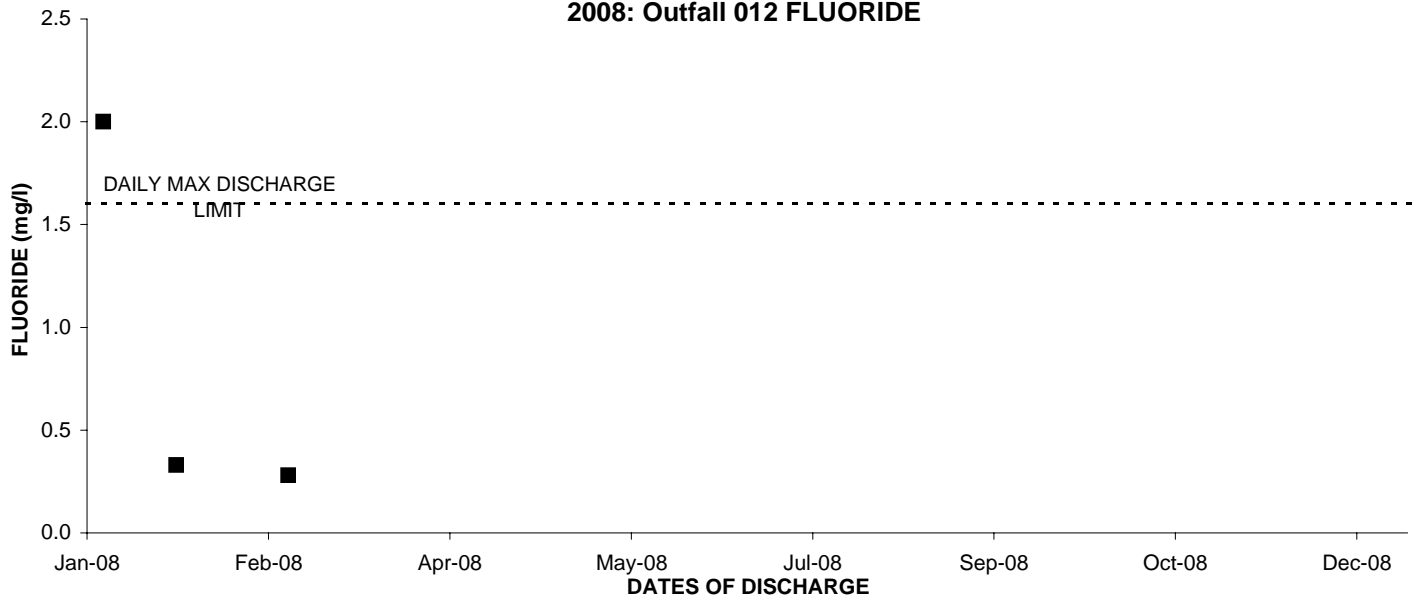
2008: Outfall 012 AMMONIA AS NITROGEN (N)



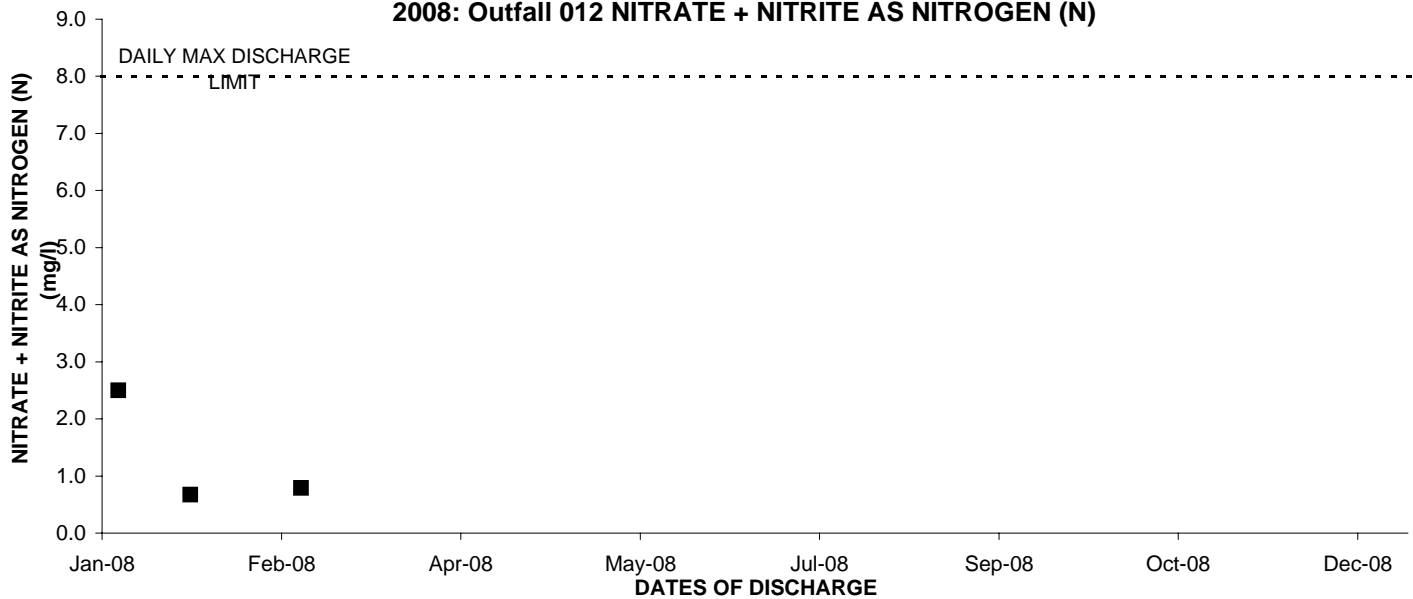
2008: Outfall 012 CHLORIDE



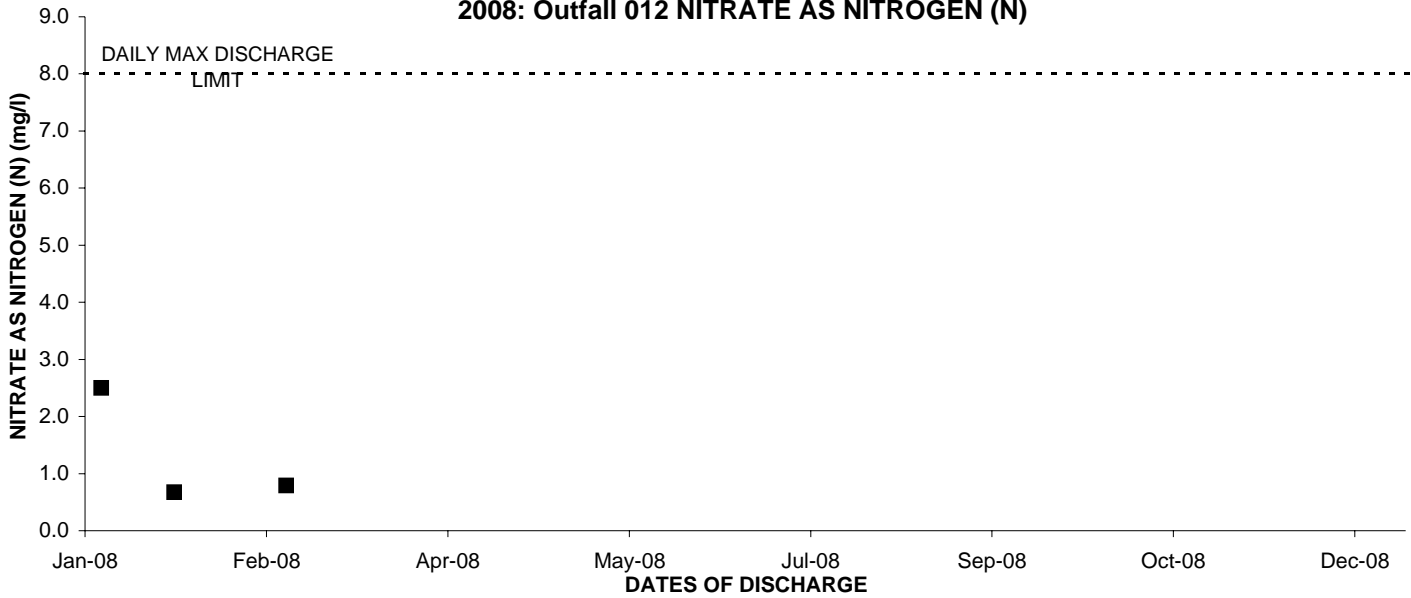
2008: Outfall 012 FLUORIDE



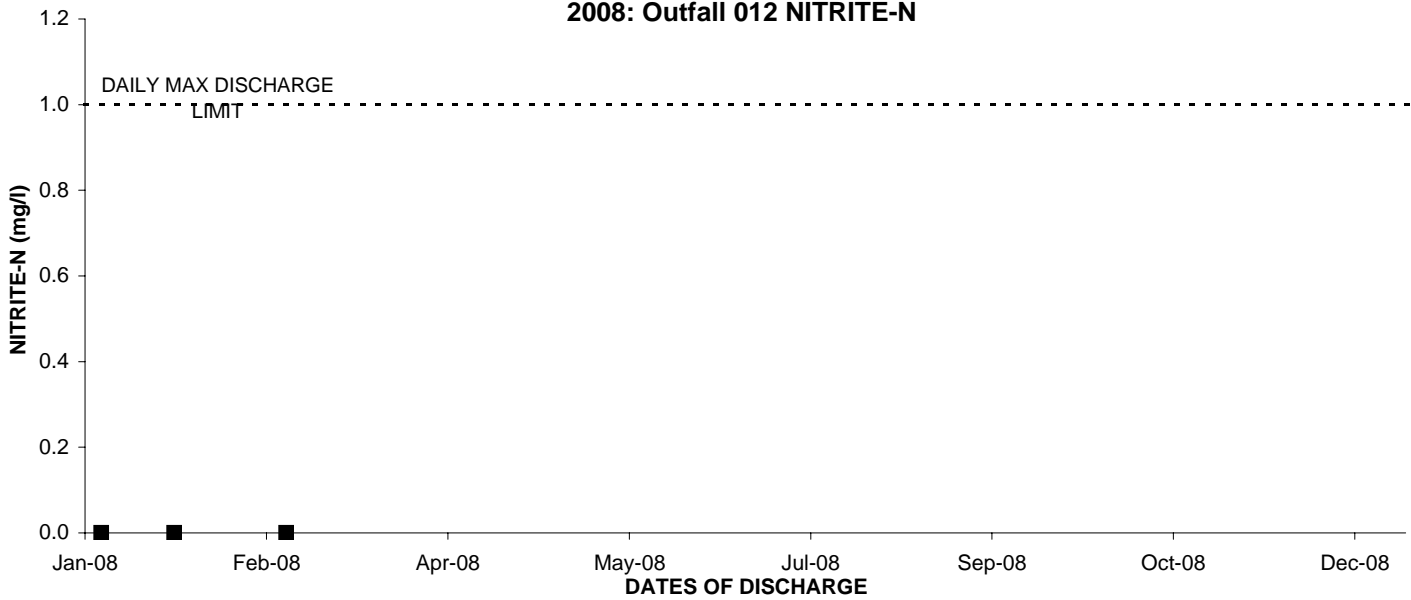
2008: Outfall 012 NITRATE + NITRITE AS NITROGEN (N)



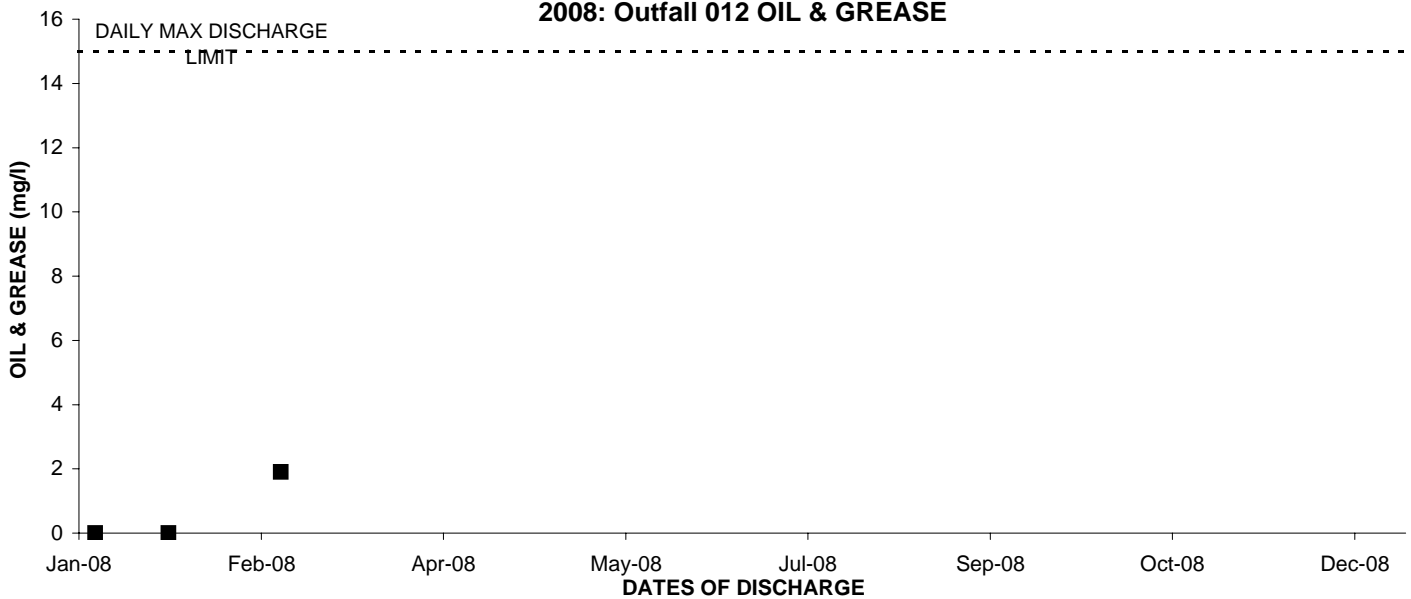
2008: Outfall 012 NITRATE AS NITROGEN (N)



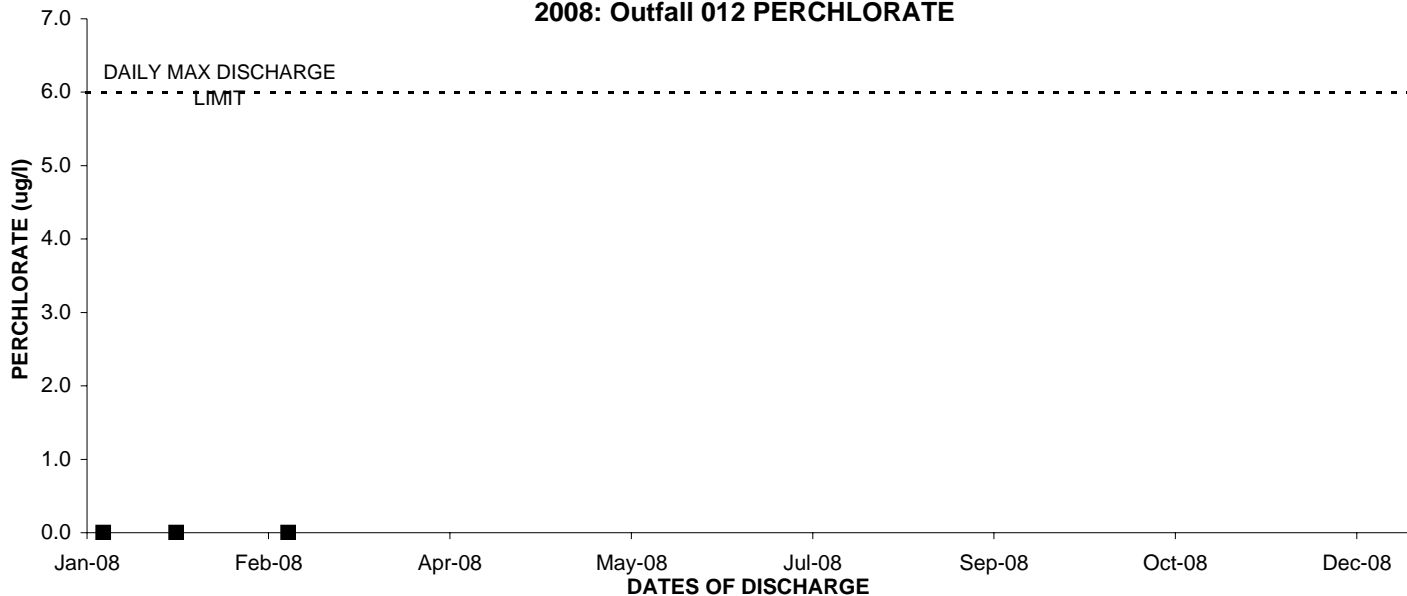
2008: Outfall 012 NITRITE-N



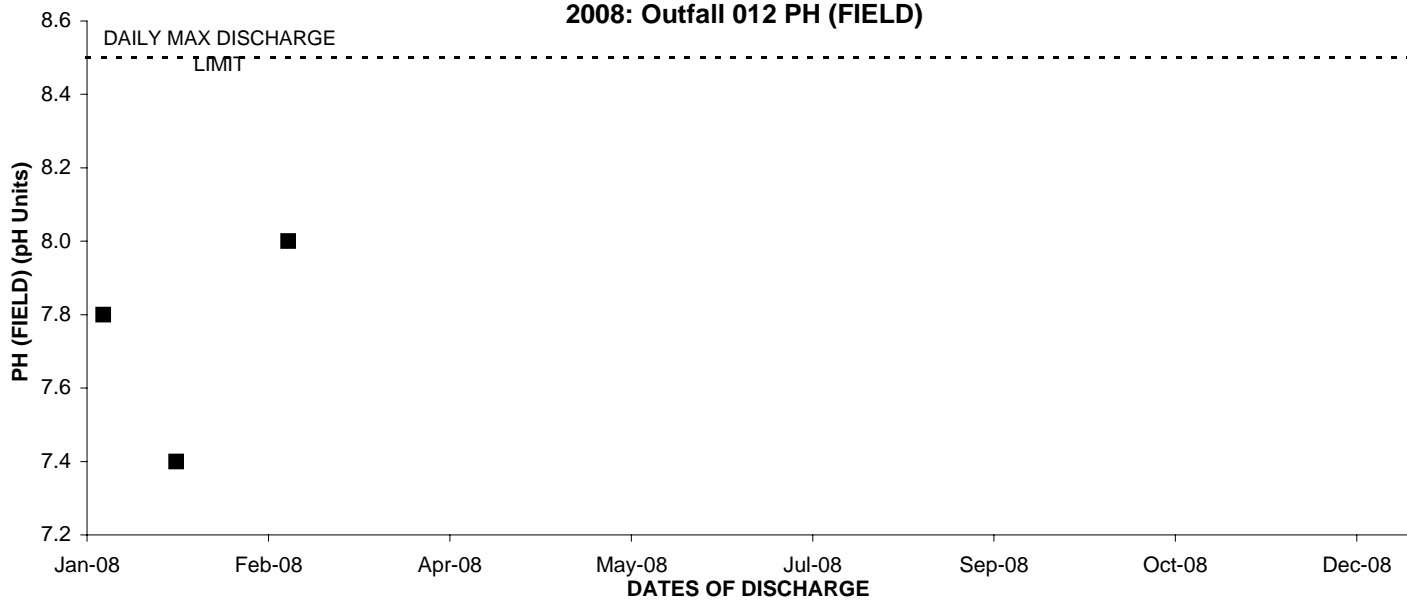
2008: Outfall 012 OIL & GREASE



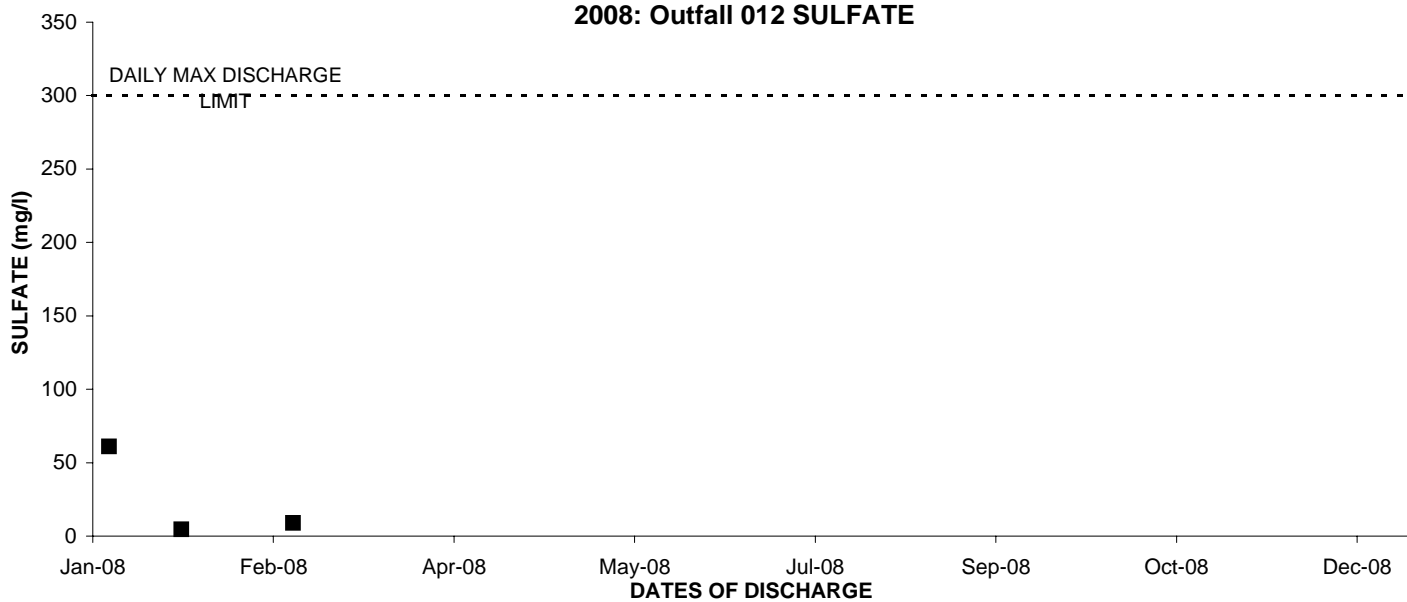
2008: Outfall 012 PERCHLORATE



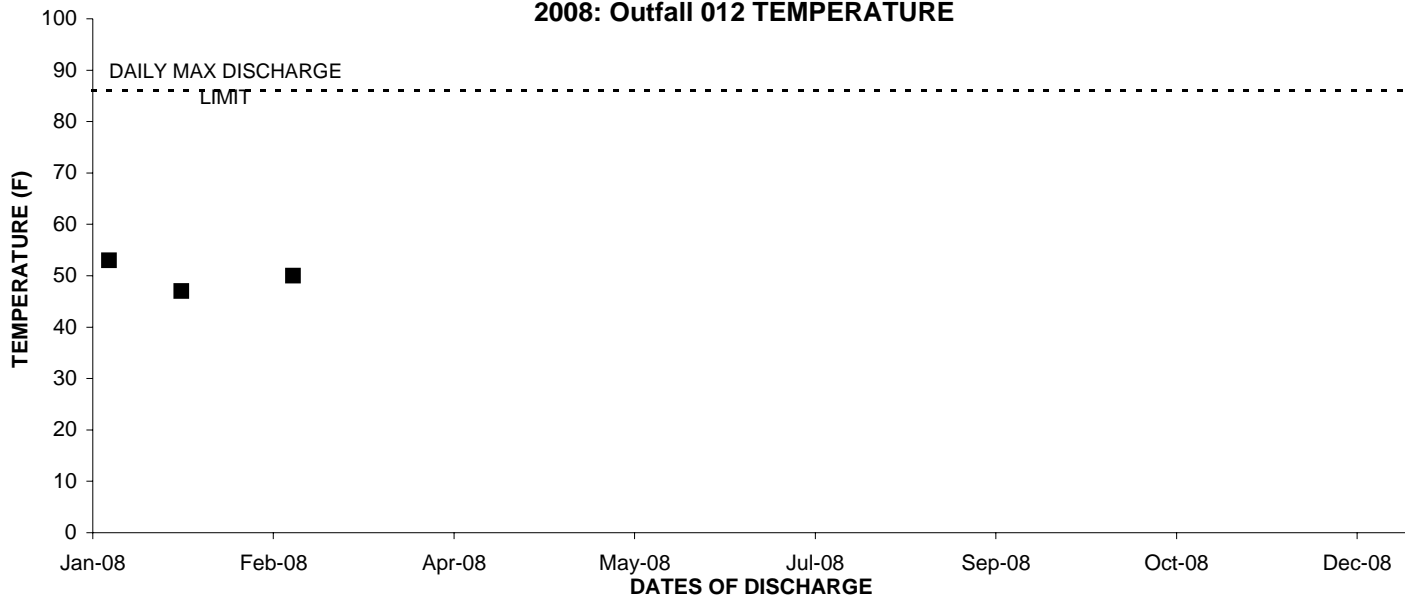
2008: Outfall 012 PH (FIELD)



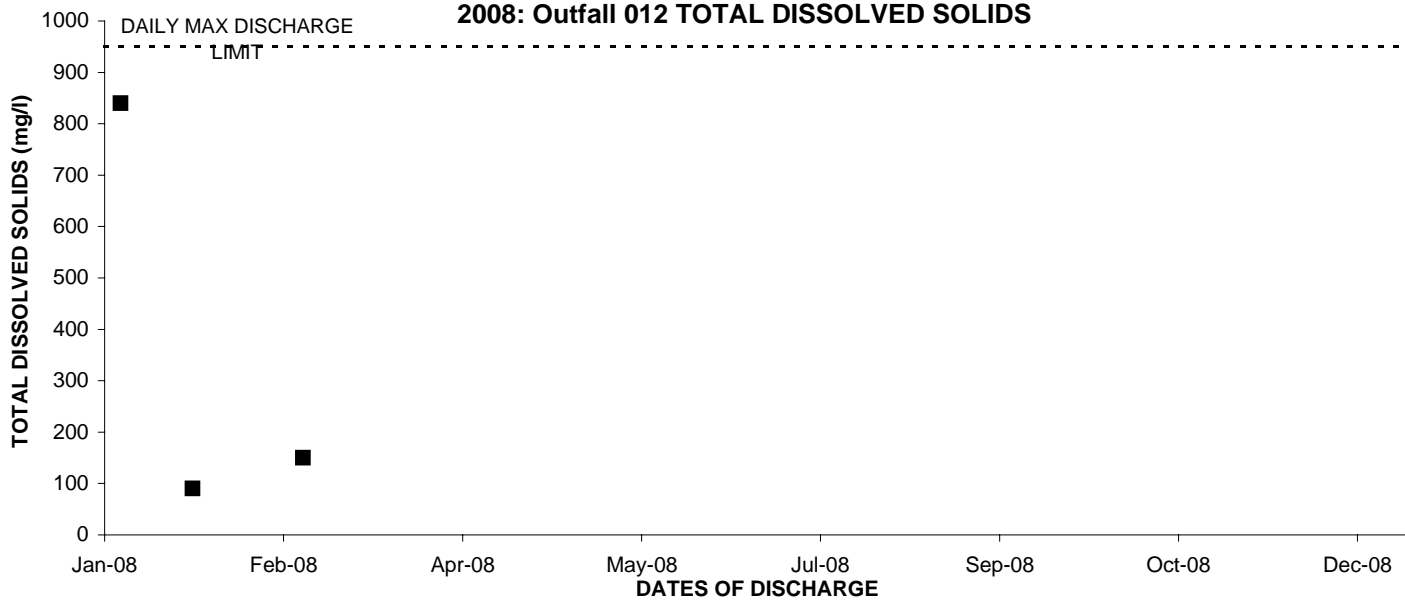
2008: Outfall 012 SULFATE



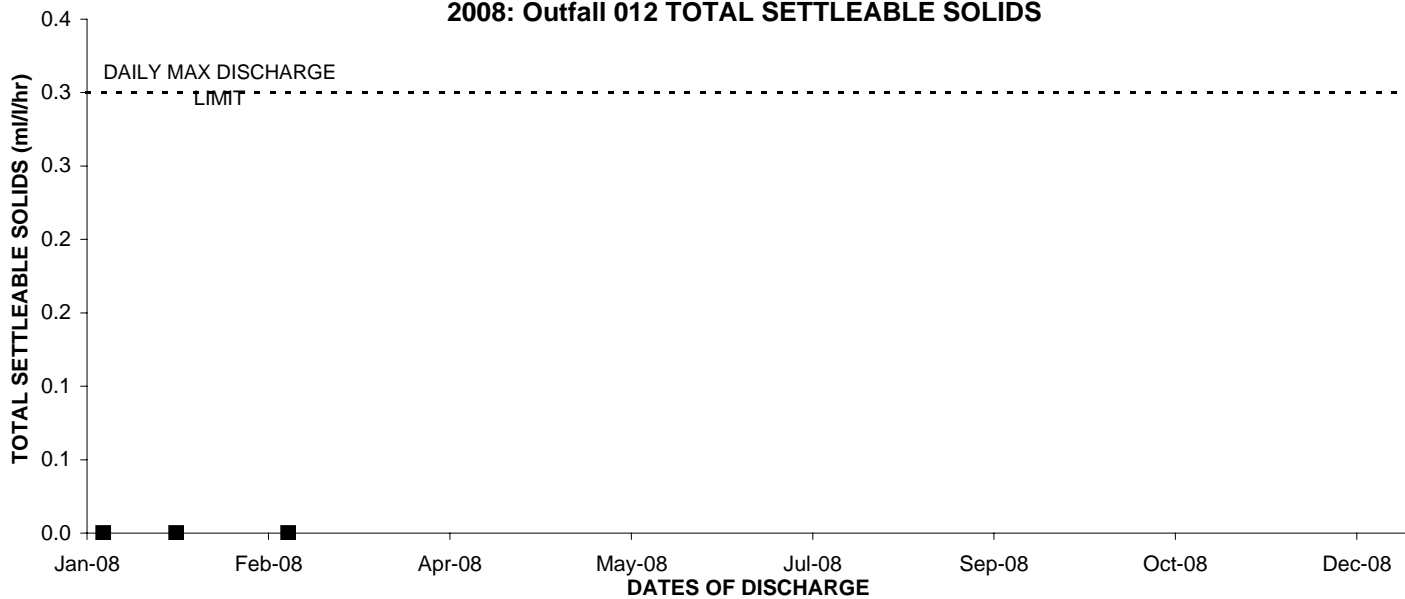
2008: Outfall 012 TEMPERATURE



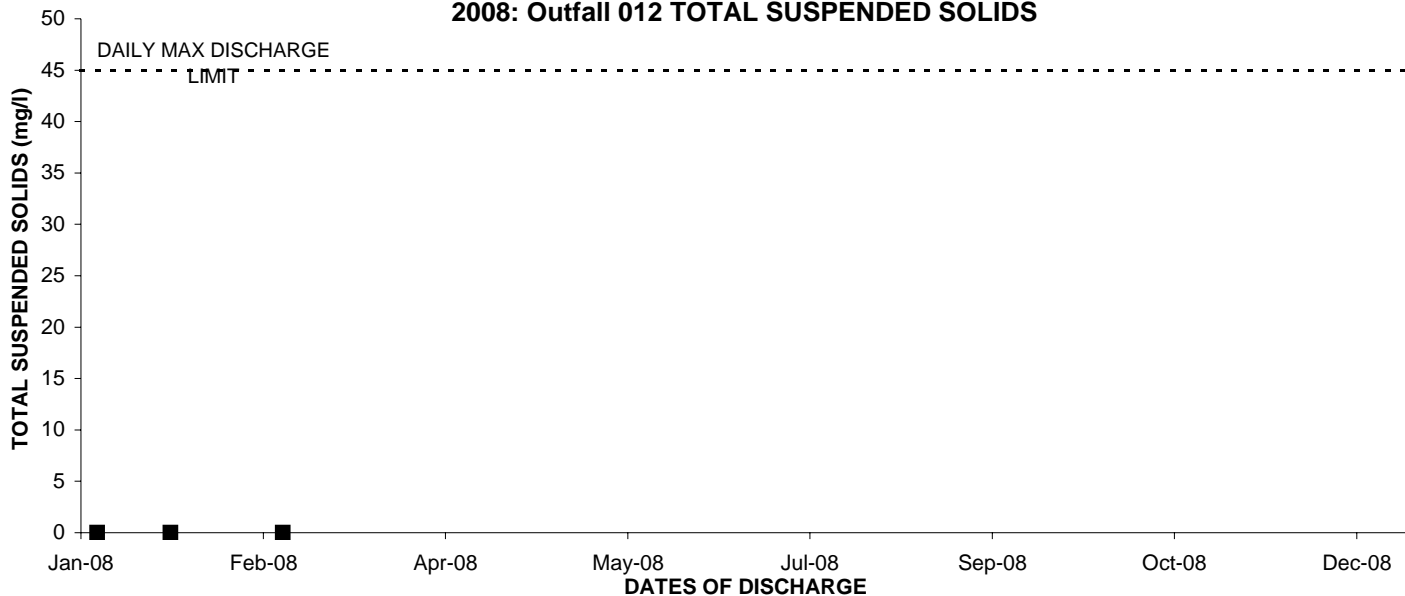
2008: Outfall 012 TOTAL DISSOLVED SOLIDS



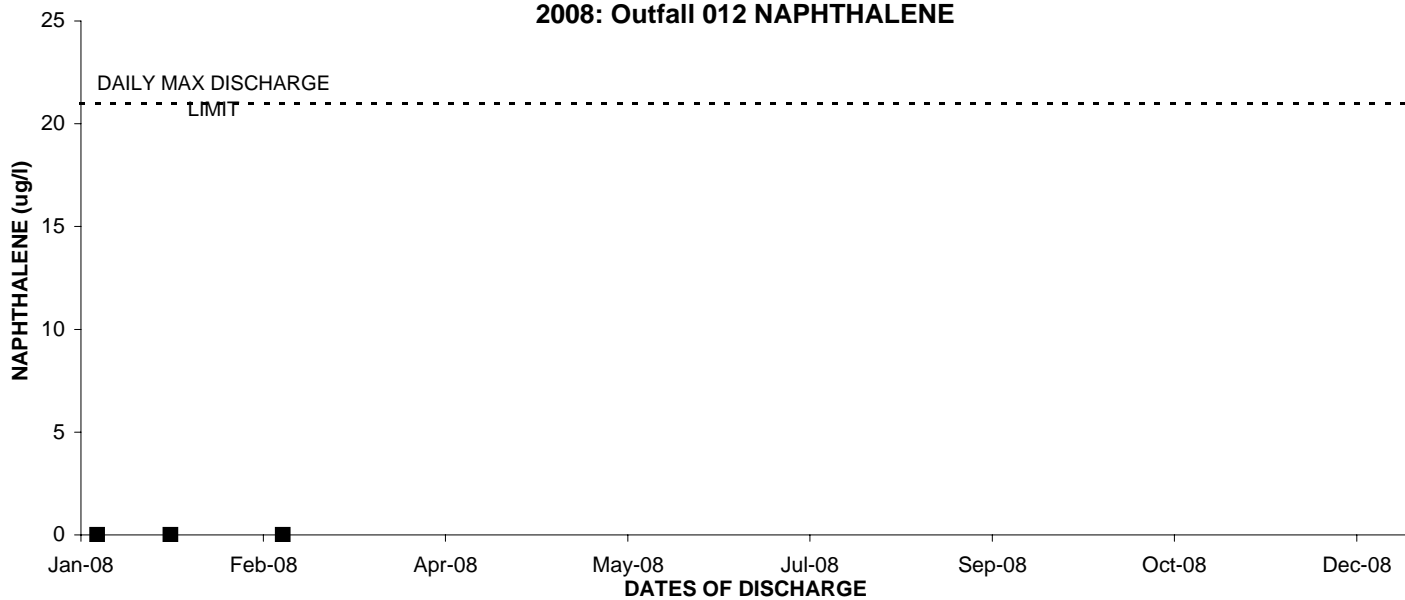
2008: Outfall 012 TOTAL SETTLEABLE SOLIDS



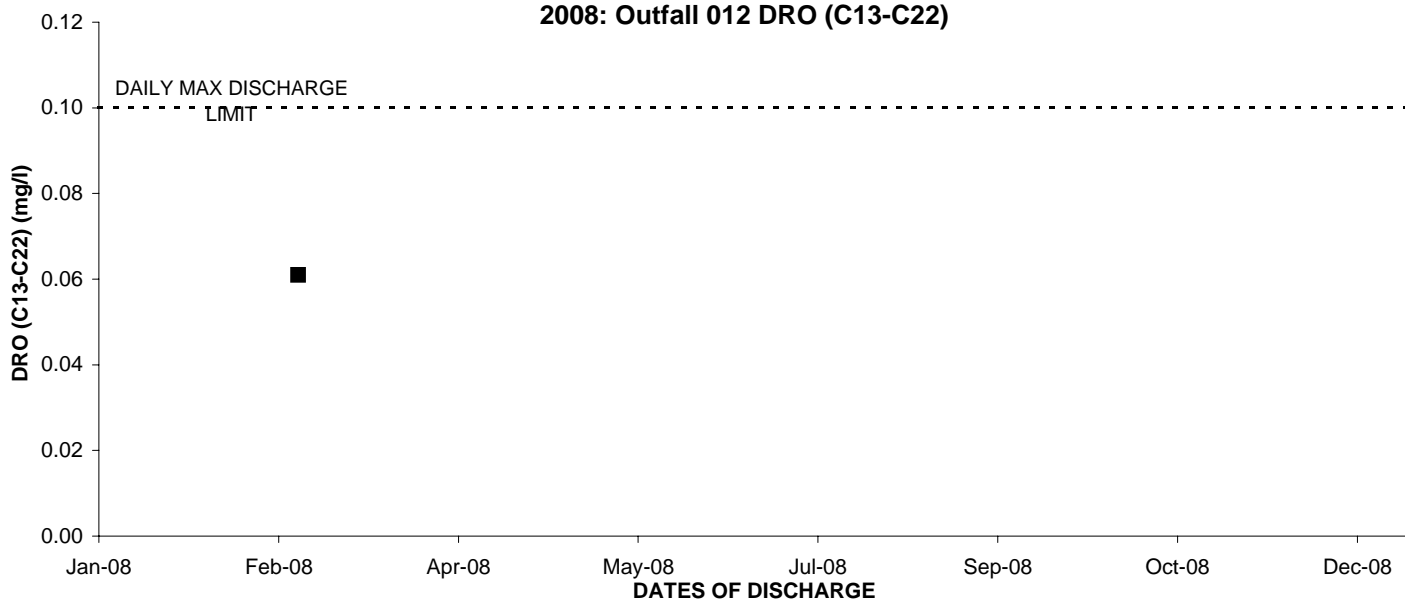
2008: Outfall 012 TOTAL SUSPENDED SOLIDS



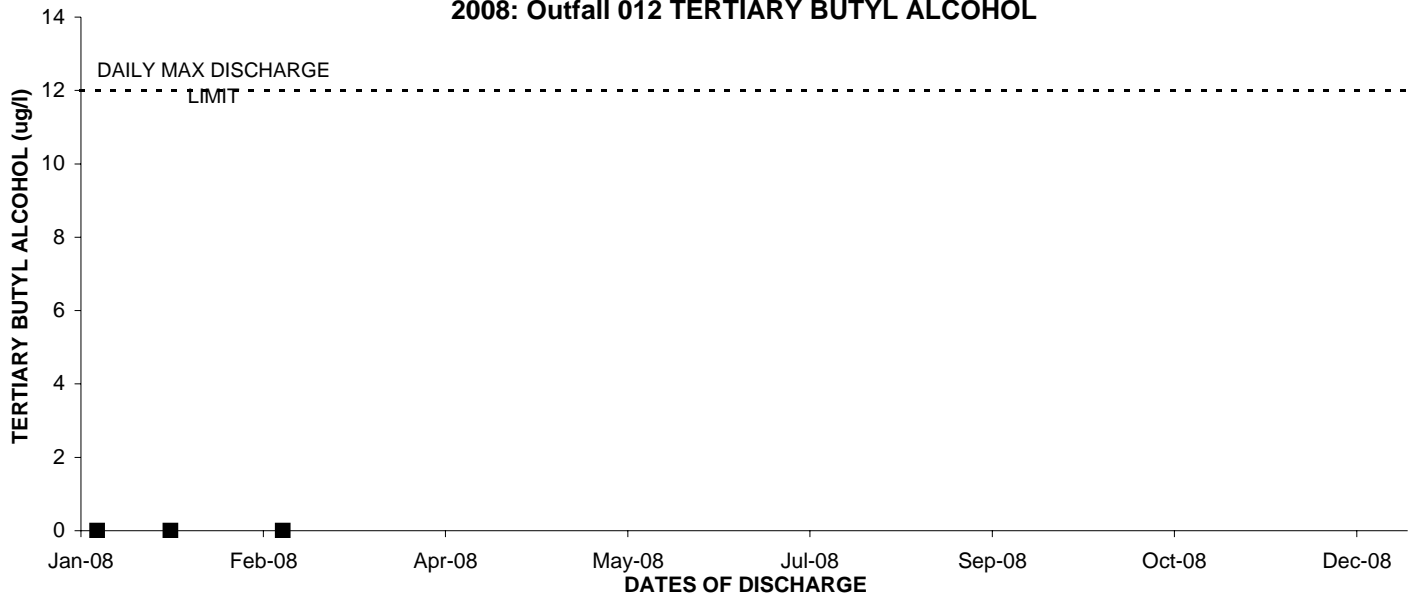
2008: Outfall 012 NAPHTHALENE



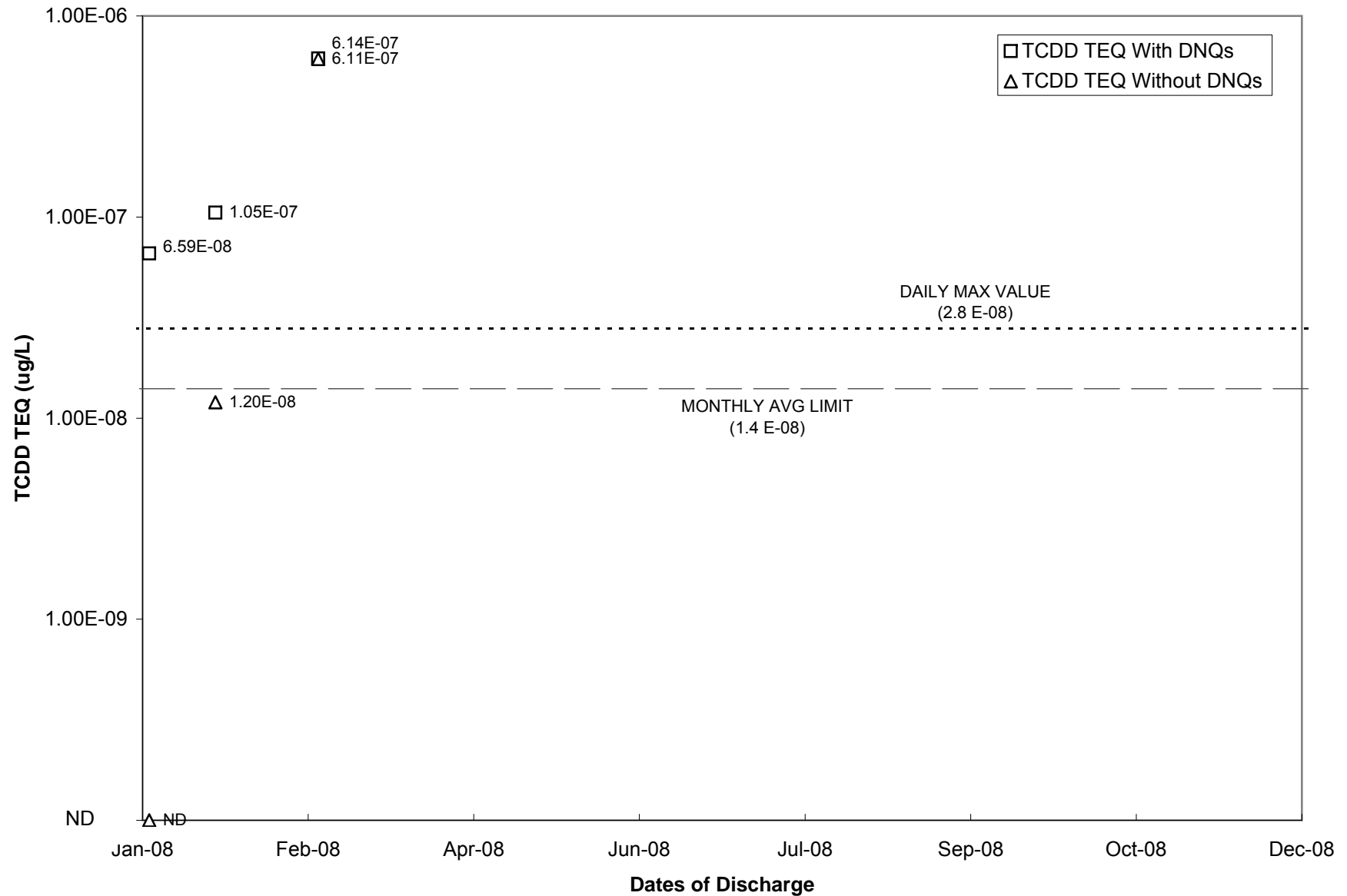
2008: Outfall 012 DRO (C13-C22)



2008: Outfall 012 TERTIARY BUTYL ALCOHOL



2008: Outfall 012 TCDD



Note: Only TCDD TEQ Without DNQs (Δ) 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.