

**OUTFALL 002 (South Slope below R-2 Pond)**

**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	1/25/2008		2/3/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/-	ND < 0.30	*	ND < 0.30	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	2.6	*	1.4	J* (DNQ)
Chloride	mg/L	150/-	17	*	24	*
Specific Conductivity (Lab)	umhos/cm	-/-	310	--	440	--
Surfactants (MBAS)	mg/L	0.5/-	0.064	J* (DNQ)	0.18	*
Fluoride	mg/L	1.6/-	ANR	ANR	0.34	J* (DNQ)
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	1.2	*	2.2	*
Nitrate as Nitrogen (N)	mg/L	8.0/-	1.2	*	2.2	*
Nitrite-N	mg/L	1.0/-	ND < 0.090	*	ND < 0.090	*
Oil & Grease	mg/L	15/-	ND < 1.3	*	1.6	J* (DNQ)
Perchlorate	ug/L	6.0/-	ND < 1.5	*	ND < 0.65	*
pH (Field)	pH units	6.5-8.5/-	7.4	*	8.1	*
Total Settleable Solids	ml/L	0.3/-	0.30	--	0.10	--
Sulfate	mg/L	300/-	52	*	94	*
Temperature	deg. F	86/-	47	*	50	*
Total Cyanide	ug/L	8.5/-	ND < 2.2	*	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	210	*	350	*
Hardness	mg/L	-/-	ANR	ANR	170	--
Hardness, dissolved	mg/L	-/-	ANR	ANR	160	--
Total Organic Carbon	mg/L	-/-	ANR	ANR	9.6	--
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR	0.14	J (H)
Total Suspended Solids	mg/L/hr	45/-	140	--	ND < 10	*
Turbidity	NTU	-/-	140	--	13	--
Volume Discharged	MGD	160/-	2.70	*	NR	*
<b>METALS</b>						
Antimony	ug/L	6.0/-	ANR	ANR	0.40	J (DNQ)
Antimony, dissolved	ug/L	-/-	ANR	ANR	0.45	J (DNQ)
Arsenic	ug/L	10/-	2.4	--	ND < 7.0	U
Arsenic, dissolved	ug/L	-/-	ND < 1.4	U	ND < 10	U (\$)
Barium	mg/L	1.0/-	0.065	--	0.032	--
Barium, dissolved	mg/L	-/-	0.019	--	0.026	--
Beryllium	ug/L	4.0/-	0.29	J (DNQ)	ND < 0.90	U
Beryllium, dissolved	ug/L	-/-	ND < 0.40	U	ND < 0.90	U
Boron	mg/L	-/-	ANR	ANR	0.070	--
Boron, dissolved	mg/L	-/-	ANR	ANR	0.063	--
Cadmium	ug/L	3.1/-	0.18	J (DNQ)	ND < 0.11	U
Cadmium, dissolved	ug/L	-/-	ND < 0.22	U	0.14	J (DNQ)
Calcium	mg/L	-/-	ANR	ANR	46	--
Calcium, Dissolved	mg/L	-/-	ANR	ANR	44	--
Chromium	ug/L	16.3/-	9.7	--	2.1	J (DNQ)
Chromium, dissolved	ug/L	-/-	ND < 1.4	U	ND < 2.0	U
Chromium VI	ug/L	16.3/-	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/-	8.4	--	3.1	--



**OUTFALL 002 (South Slope below R-2 Pond)**

**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	1/25/2008		2/3/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ND < 2.5	*
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ND < 0.24	*
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.094	U
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.094	U
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.32	*
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ND < 0.35	*
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ND < 0.094	U
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.094	U
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.35	*
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.19	U
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.37	*
2,4,6-Trichlorophenol	ug/L	13.0/-	ND < 0.097	U	ND < 0.094	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 < 0.85	U
2,4-Dinitrotoluene	ug/L	18.3/-	ND < 0.19	U	ND < 0.19	U
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ND < 0.094	U
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ND < 1.8	*
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ND < 0.094	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 < 0.38	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 < 0.094	U
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ND < 0.094	U
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ND < 0.094	U
Acenaphthylene	ug/L	-/-	ANR	ANR	ND < 0.094	U
Acrolein	ug/L	-/-	ANR	ANR	ND < 4.0	*
Acrylonitrile	ug/L	-/-	ANR	ANR	ND < 0.70	*
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	100	*
Aldrin	ug/L	-/-	ANR	ANR	ND < 0.0014	*
alpha-BHC	ug/L	0.03/-	ND < 0.0024	*	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ND < 0.094	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 < 0.94	UJ (*III)

**OUTFALL 002 (South Slope below R-2 Pond)**

**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	1/25/2008		2/3/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ND < 0.094	U
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ND < 0.094	U
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ND < 0.094	U
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR	ND < 0.094	U
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ND < 0.094	U
beta-BHC	ug/L	-/-	ANR	ANR	ND < 0.0038	*
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ND < 0.094	U
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	5.7	--	ND < 4.7	U (B)
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ND < 0.094	U
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ND < 0.094	U
Bromodichloromethane	ug/L	-/-	ANR	ANR	ND < 0.30	*
Bromoform	ug/L	-/-	ANR	ANR	ND < 0.40	*
Bromomethane	ug/L	-/-	ANR	ANR	ND < 0.42	*
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ND < 4.7	U (B)
Chlordane	ug/L	-/-	ANR	ANR	ND < 0.028	*
Chlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.36	*
Chloroethane	ug/L	-/-	ANR	ANR	ND < 0.40	*
Chloromethane	ug/L	-/-	ANR	ANR	ND < 0.40	*
Chronic Toxicity	TUC	1.0/-	1.0	*	1.0	*
Chrysene						
ButylbT* [ButylbT* [Butyl 8.64 310.4447 3e5Alha0g5375-4708.2425R)-3222(ND < 0.094)-3913.6(U)]JT* [Benzo(k Toxicity)-152-13813.2(ug/L)-5498.2C						
Benzo((2-Chloroethyl)9ether	ug/L	4.6(ANR)-4708.(*)0R	ND < 0.094	U		
Bromodichloromethane	ug/L	4.6(ANR)-4708.((ANR)-3499.8(ND < 0.40)-4358.6(*)]JT* [Chloromhloromethane)-12702.8(ug				
bis (2- ToxicityANR ND < 0.40 *						
Chronichloromethane	ug/L	ND < 0.094	U			
bis (2(2-Chloroethyl)9ether	ug/L	ANR ND < 0.40 *				
Chroni(2-Chloroethyl ether	ug/L	3499.8(ND < 0.40)-4358.6(*)]JT* [Chroni(2-Chloroethyl ether)-12315.1(ug/L)Endrin08201				
bis (2-Chloroethyl)9ether	ug/L	*14R ND < 0.094	U			
bis (2(2-Chloroethyl)9ether	ug/L	ND < 0.42 *				
Butylb(2-Chloroethyl ether	ug/L	ANR ND < 0.094	U			
bis(2-Chloroisopropyl) ether	ug/L	5.6(-4708.9pyloromethaorometha0DET q i 299.4 577.56 15.84 8.64 reWBT8.64 0 0 8.64 310H				

**OUTFALL 002 (South Slope below R-2 Pond)**

**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	1/25/2008		2/3/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER

**OUTFALL 002 (South Slope below R-2 Pond)**

**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	2/20/2008	
			RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/-	ND < 0.30	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	ND < 0.59	*
Chloride	mg/L	150/-	41	*
Specific Conductivity (Lab)	umhos/cm	-/-	680	--
Surfactants (MBAS)	mg/L	0.5/-	0.057	J* (DNQ)
Fluoride	mg/L	1.6/-	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	0.33	*
Nitrate as Nitrogen (N)	mg/L	8.0/-	0.33	*
Nitrite-N	mg/L	1.0/-	ND < 0.090	*
Oil & Grease	mg/L	15/-	2.2	J* (DNQ)
Perchlorate	ug/L	6.0/-	ND < 1.5	*
pH (Field)	pH units	6.5-8.5/-	8.4	*
Total Settleable Solids	ml/L	0.3/-	ND < 0.10	*
Sulfate	mg/L	300/-	140	*
Temperature	deg. F	86/-	55	*
Total Cyanide	ug/L	8.5/-	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	430	*
Hardness	mg/L	-/-	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR
Total Organic Carbon	mg/L	-/-	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR
Total Suspended Solids	mg/L/hr	45/-	ND < 10	*
Turbidity	NTU	-/-	1.0	--
Volume Discharged	MGD	160/-	NR	*
<b>METALS</b>				
Antimony	ug/L	6.0/-	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR
Arsenic	ug/L	10/-	0.99	J (DNQ)
Arsenic, dissolved	ug/L	-/-	1.1	J (*III)
Barium	mg/L	1.0/-		
Barium, dissolved	mg/L	-/-		
Beryllium	ug/L	4.0/-		
Beryllium, dissolved	ug/L	-/-		
Boron	mg/L	-/-		
Boron, dissolved	mg/L	-/-		
Cadmium	ug/L	3.1/-		
Cadmium, dissolved	ug/L	-/-		
Calcium	mg/L	-/-		
Calcium, Dissolved	mg/L	-/-		
Chromium	ug/L	16.3/-		
Chromium, dissolved	ug/L	-/-		
Chromium VI	ug/L	16.3/-		
Cobalt	ug/L	-/-		
Cobalt, dissolved	ug/L	-/-		
Copper	ug/L	14.0/-		

**OUTFALL 002 (South Slope below R-2 Pond)**

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

January 1 through December 31, 2008

2/20/2008

RESULT    VALIDATION

ANALYTE	UNITS	Benchmark Limit Daily Max/Monthly Avg
Copper, dissolved	ug/L	-/-
Iron	mg/L	0.3/-
Iron, dissolved	mg/l	-/-
Lead	ug/L	5.2/-
Lead, dissolved	ug/L	-/-
Magnesium	mg/L	-/-
Magnesium, Dissolved	mg/L	-/-
Manganese	ug/L	50/-
Manganese, dissolved	ug/L	-/-
Mercury	ug/L	0.10/-
Mercury, dissolved	ug/L	-/-
Nickel	ug/L	96/-
Nickel, dissolved	ug/L	-/-
Selenium	ug/L	8.2/-
Selenium, dissolved	ug/L	-/-
Silver	ug/L	4.1/-
Silver, dissolved	ug/L	-/-
Thallium	ug/L	2.0/-
Thallium, dissolved	ug/L	-/-
Vanadium	ug/L	-/-
Vanadium, dissolved	ug/L	-/-
Zinc	ug/L	119/-
Zinc, dissolved	ug/L	-/-
<b>ORGANICS</b>		
Benzene	ug/L	-/-
Carbon Tetrachloride	ug/L	-/-
Chloroform	ug/L	-/-
1,1-Dichloroethane	ug/L	-/-
1,2-Dichloroethane	ug/L	-/-
1,1-Dichloroethene	ug/L	6.0/-
1,4-Dioxane	ug/L	-/-
Ethylbenzene	ug/L	-/-
Tetrachloroethene	ug/L	-/-
Toluene	ug/L	-/-
Xylenes (Total)	ug/L	-/-
1,1,1-Trichloroethane	ug/L	-/-
1,1,2-Trichloroethane	ug/L	-/-
Trichloroethene	ug/L	5.0/-
Trichlorofluoromethane	ug/L	-/-
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-
Vinyl Chloride	ug/L	-/-
<b>TPH</b>		
EFH (C13 - C22)	ug/L	-/-
GRO (C4 - C12)	ug/L	-/-
TRPH	mg/L	-/-
<b>ADDITIONAL ANALYTES</b>		

**OUTFALL 002 (South Slope below R-2 Pond)**

**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	2/20/2008	
			RESULT	VALIDATION QUALIFIER
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13.0/-	ND < 0.094	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR
2,4-Dinitrotoluene	ug/L	18.3/-	ND < 0.19	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR
alpha-BHC	ug/L	0.03/-	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR



**OUTFALL 002 (South Slope below R-2 Pond)**

**ANNUAL 2008 REPORTING SUMMARY**

**OUTFALL 002 (South Slope below R-2 Pond)**

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

**Jr9**

**OUTFALL 002 (South Slope below R-2 Pond)**

**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	8.60E-05	--	0.01	8.60E-07	8.60E-07
1,2,3,4,6,7,8-HpCDF	0.00E+00	2.50E-05	1.88E-05	J (DNQ)	0.01	1.88E-07	ND
1,2,3,4,7,8,9-HpCDF	2.78E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	2.32E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	8.15E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	2.81E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	0.00E+00	2.50E-05	1.01E-06	J (DNQ)	0.1	1.01E-07	ND
1,2,3,7,8,9-HxCDD	0.00E+00	2.50E-05	2.42E-06	J (DNQ)	0.1	2.42E-07	ND
1,2,3,7,8,9-HxCDF	8.54E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	1.69E-06	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	1.12E-06	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	1.02E-06	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	1.21E-06	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	9.25E-07	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	8.12E-07	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	1.03E-03	--	0.0001	1.03E-07	1.03E-07
OCDF	0.00E+00	5.00E-05	5.62E-05	--	0.0001	5.62E-09	5.62E-09

<b>TCDD TEQ w/ DNQ Values</b>	<b>1.50E-06</b>	
<b>TCDD TEQ w/out DNQ Values</b>		<b>9.69E-07</b>

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 002 (South Slope below R-2 Pond)**

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

**Sample Date February 20, 2008**

---



**OUTFALL 002 (South Slope below R-2 Pond)**

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

**January 1 through December 31, 2008**

<b>ANALYTE</b>	<b>UNITS</b>	<b>Benchmark Limit Daily Max/Monthly Avg</b>	<b>Result</b>	<b>1/25/2008 CONCENTRATION RESULT VALIDATION QUALIFIER</b>
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	58.56	*
Chloride	LBS/DAY	200,160/-	382.81	*
Surfactants (MBAS)	LBS/DAY	667/-	1.44	J* (DNQ)
Fluoride	LBS/DAY	2,135/-	ANR	ANR

**OUTFALL 002 (South Slope below R-2 Pond)**

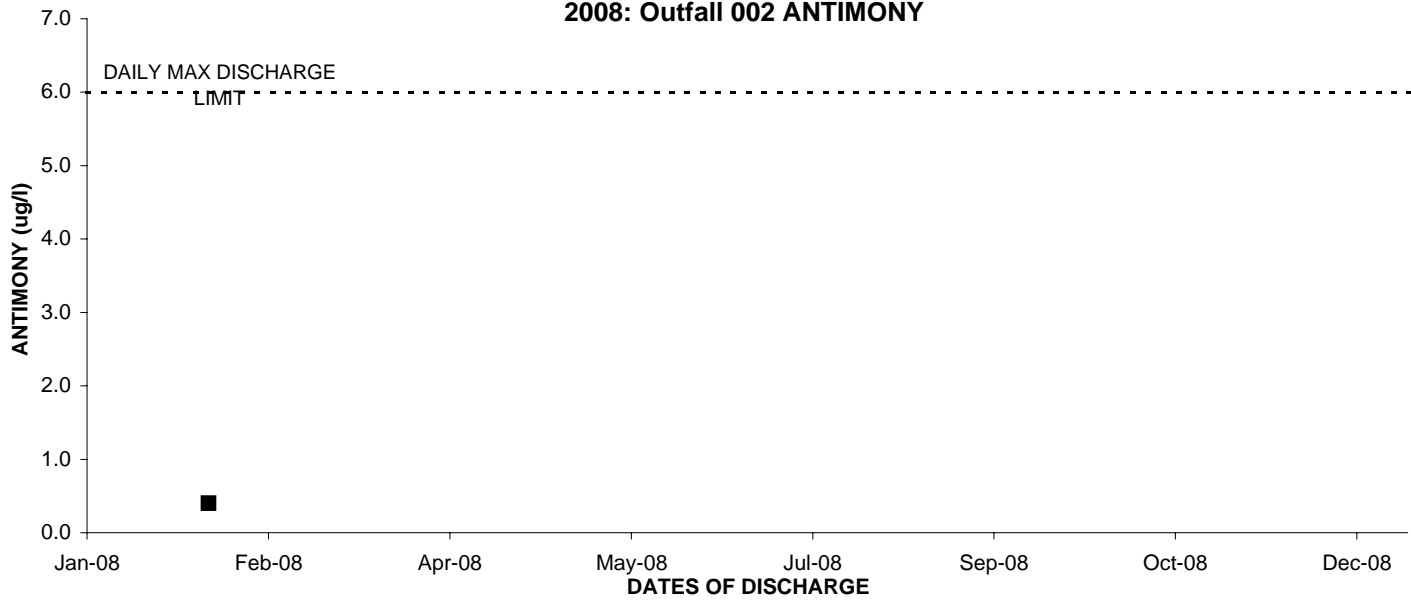
**ANNUAL 2008 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through December 31, 2008

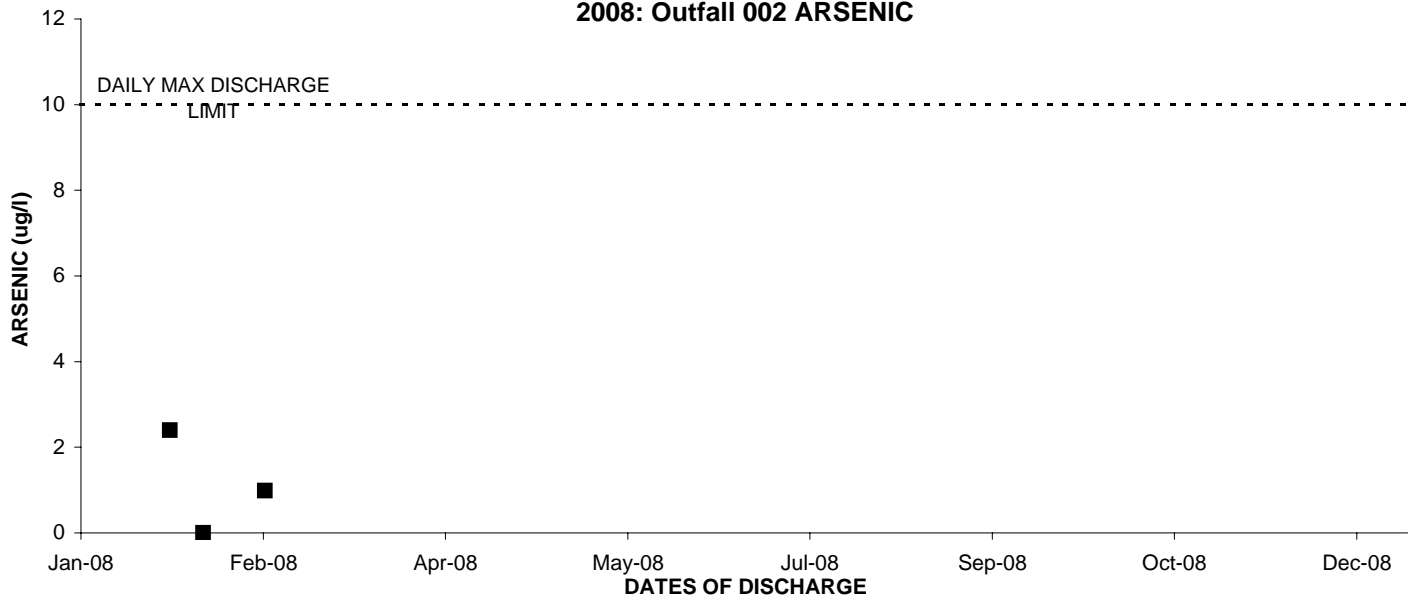
ANALYTE	UNITS	Benchmark Limit Daily Max/Monthly Avg	1/25/2008	
			Result	CONCENTRATION RESULT VALIDATION QUALIFIER
Silver	LBS/DAY	5.5/-	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR
Zinc	LBS/DAY	159/-	0.81	--
1,1-Dichloroethene	LBS/DAY	8/-	ND	U
Trichloroethene	LBS/DAY	6.7/-	0.02	J (DNQ)
2,4,6-Trichlorophenol	LBS/DAY	17/-	ND	U
2,4-Dinitrotoluene	LBS/DAY	24/-	ND	U
alpha-BHC	LBS/DAY	0.04/-	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	0.13	--
n-Nitrosodimethylamine	LBS/DAY	21.8/-	ND	U
Pentachlorophenol	LBS/DAY	22/-	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	3.7E-08/-	2.18E-08	--



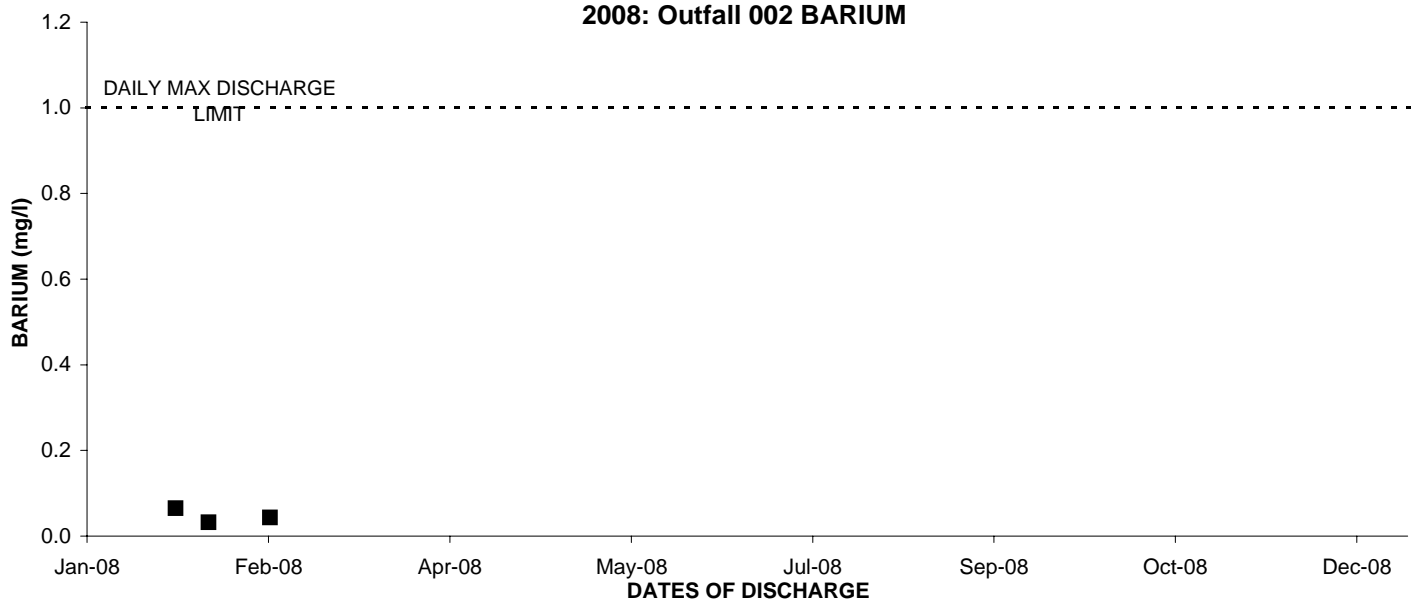
### 2008: Outfall 002 ANTIMONY



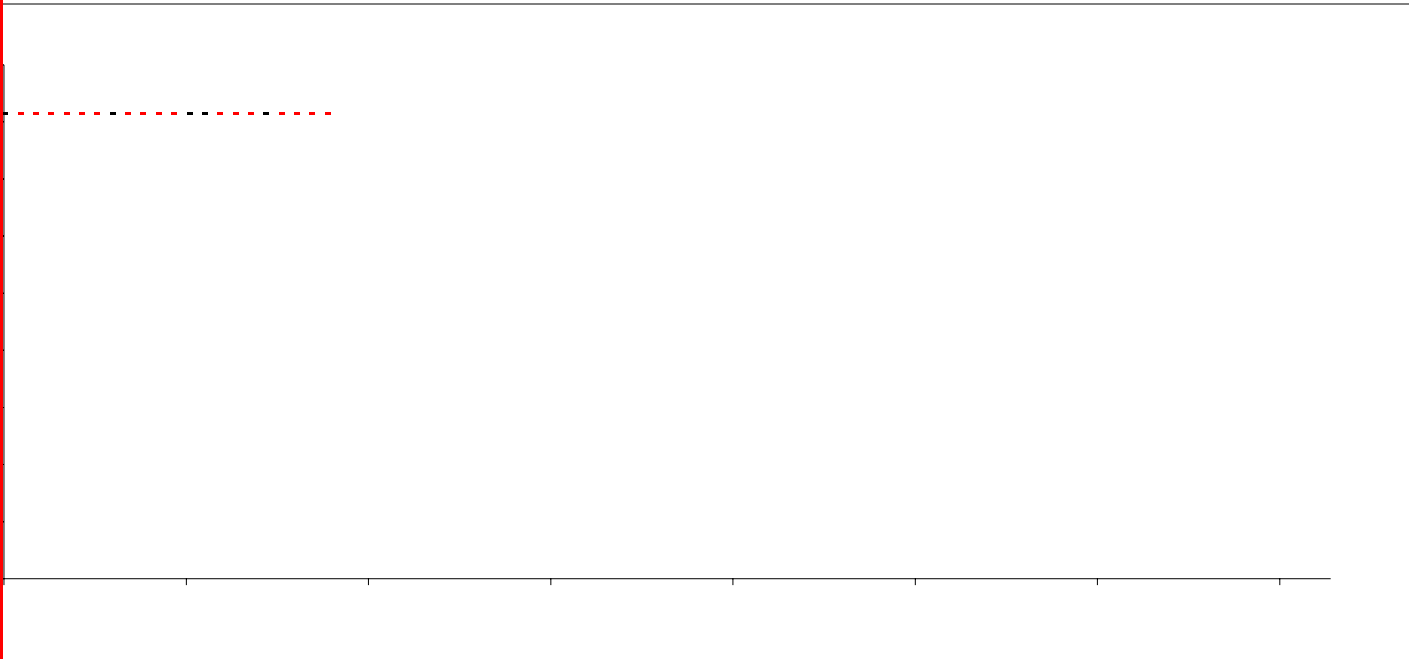
### 2008: Outfall 002 ARSENIC



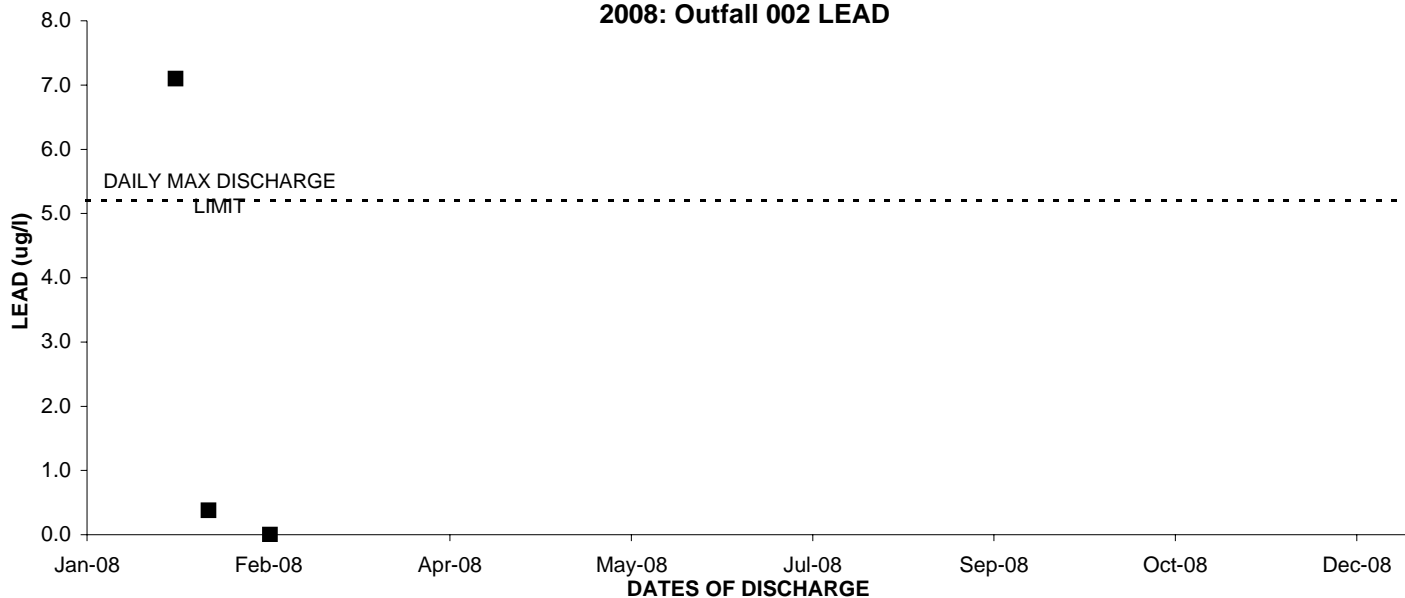
### 2008: Outfall 002 BARIUM



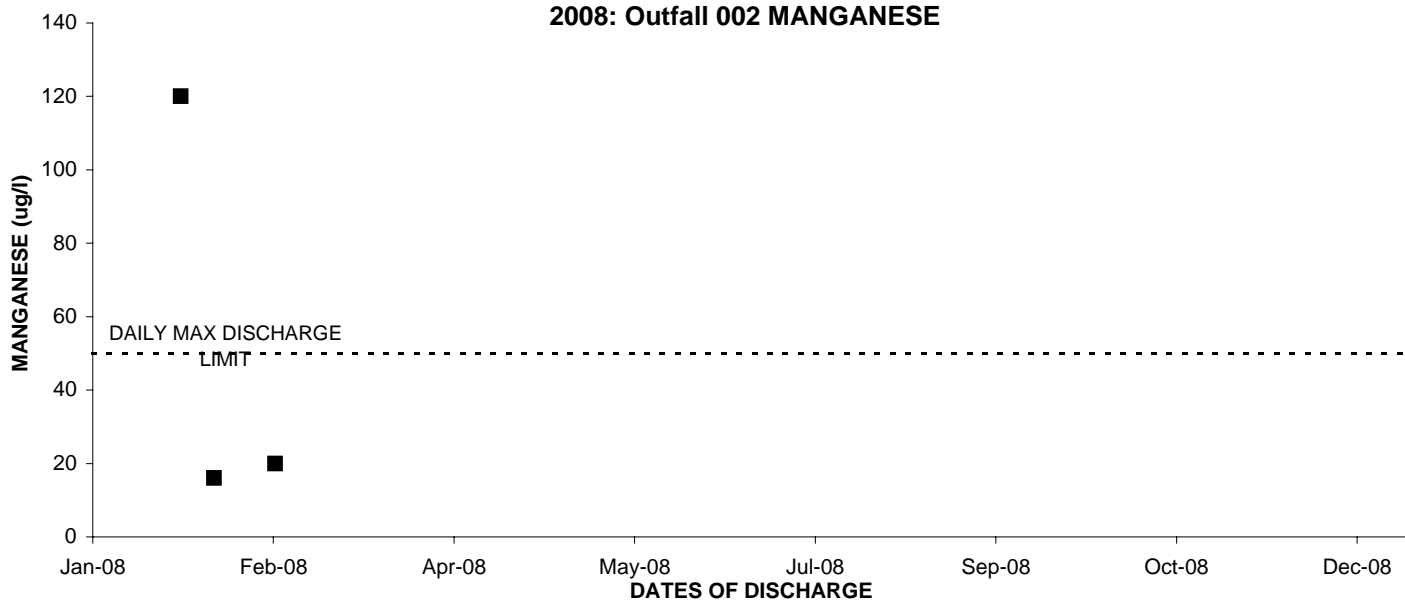




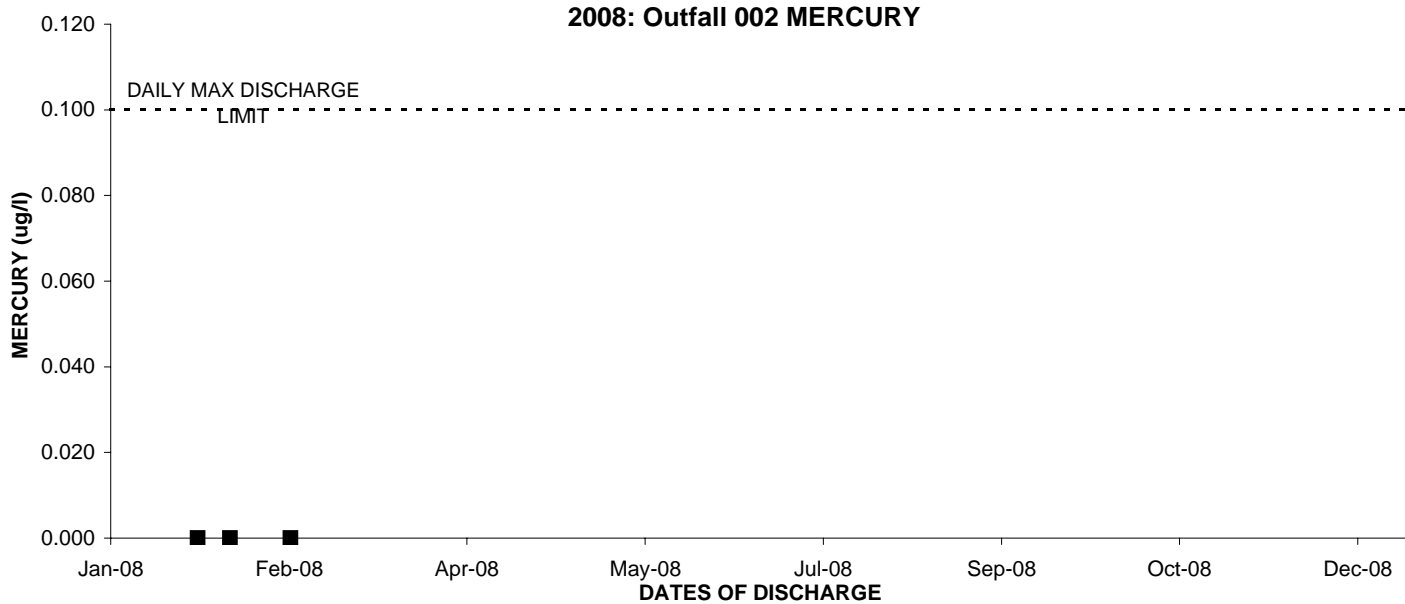
### 2008: Outfall 002 LEAD

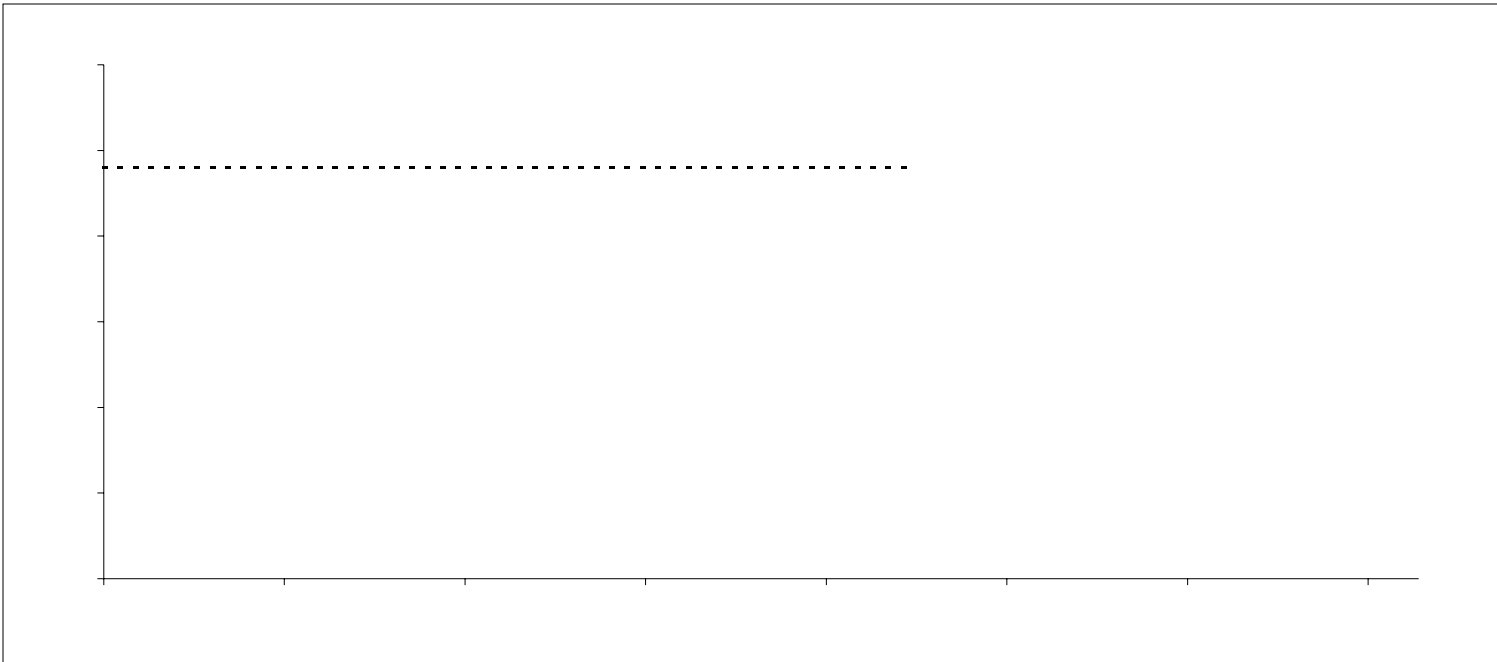


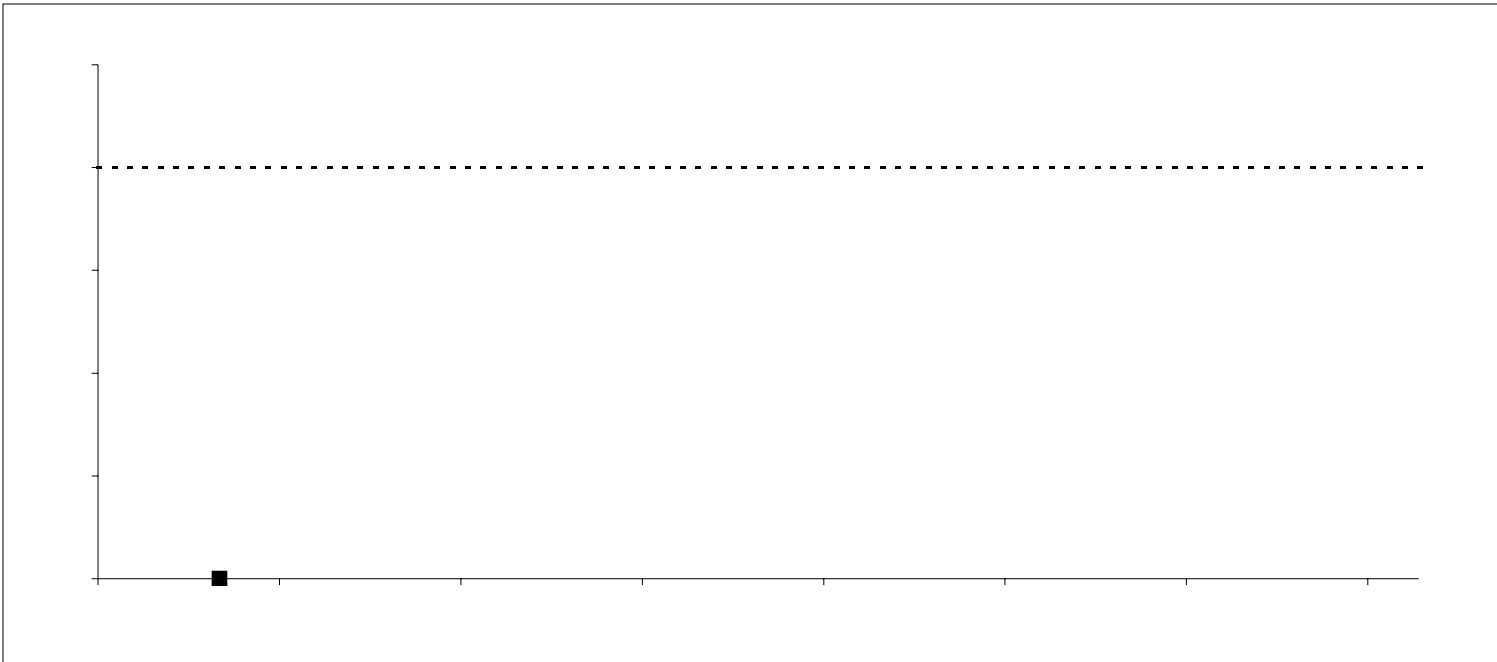
### 2008: Outfall 002 MANGANESE



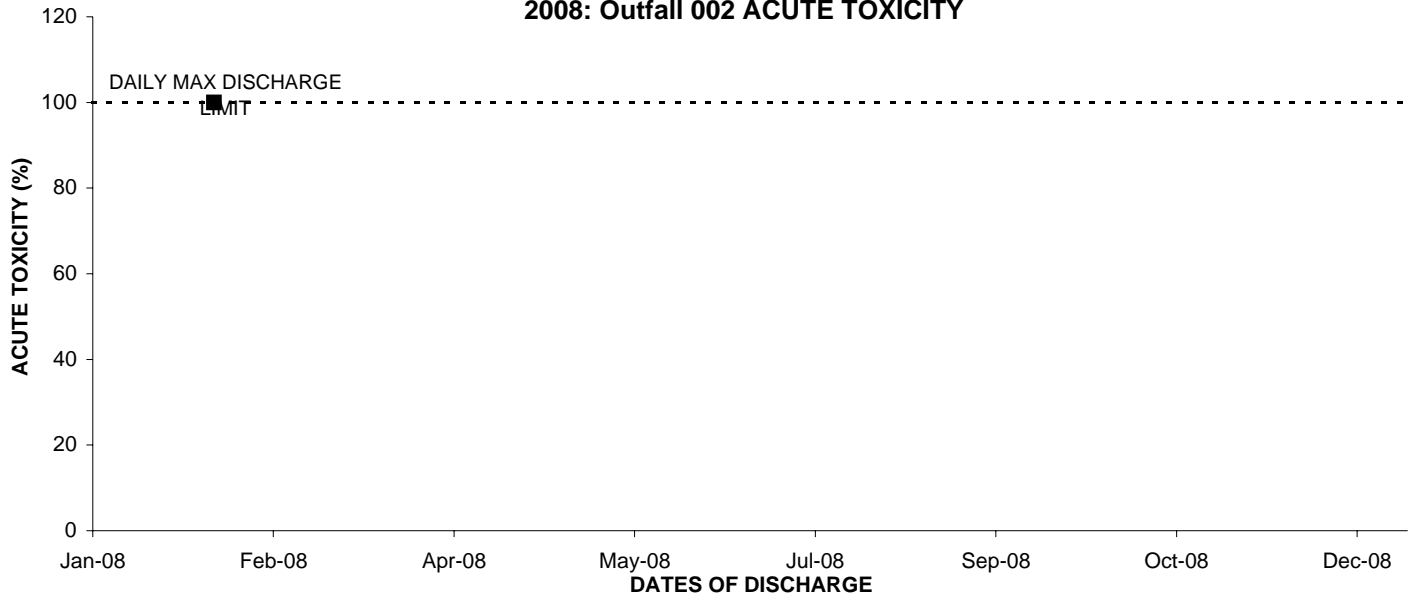
### 2008: Outfall 002 MERCURY



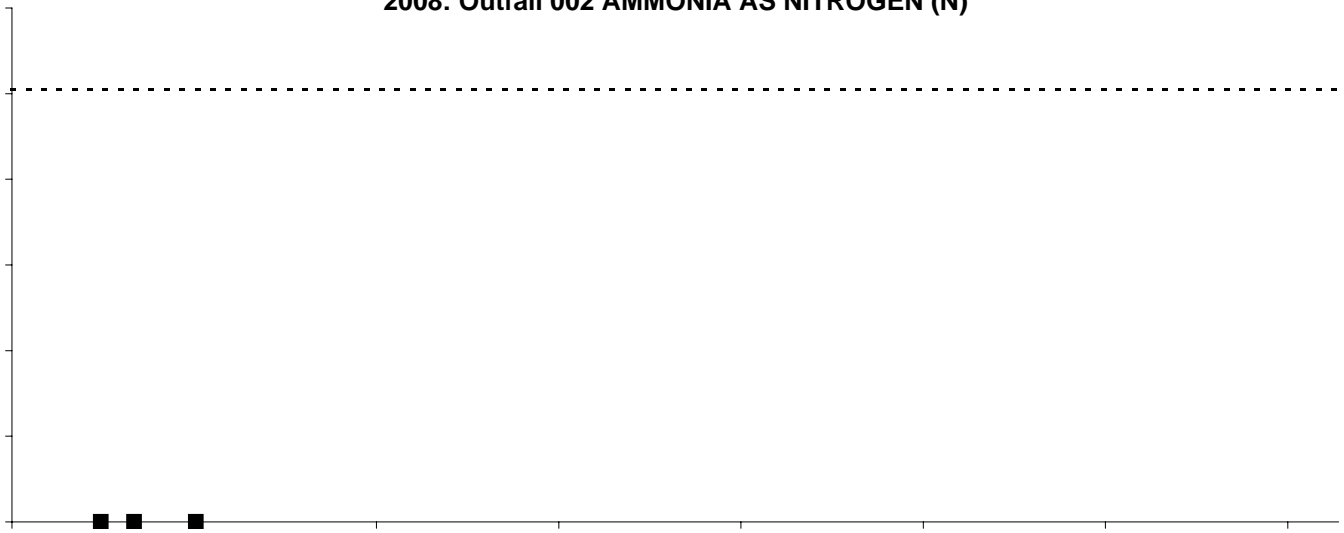




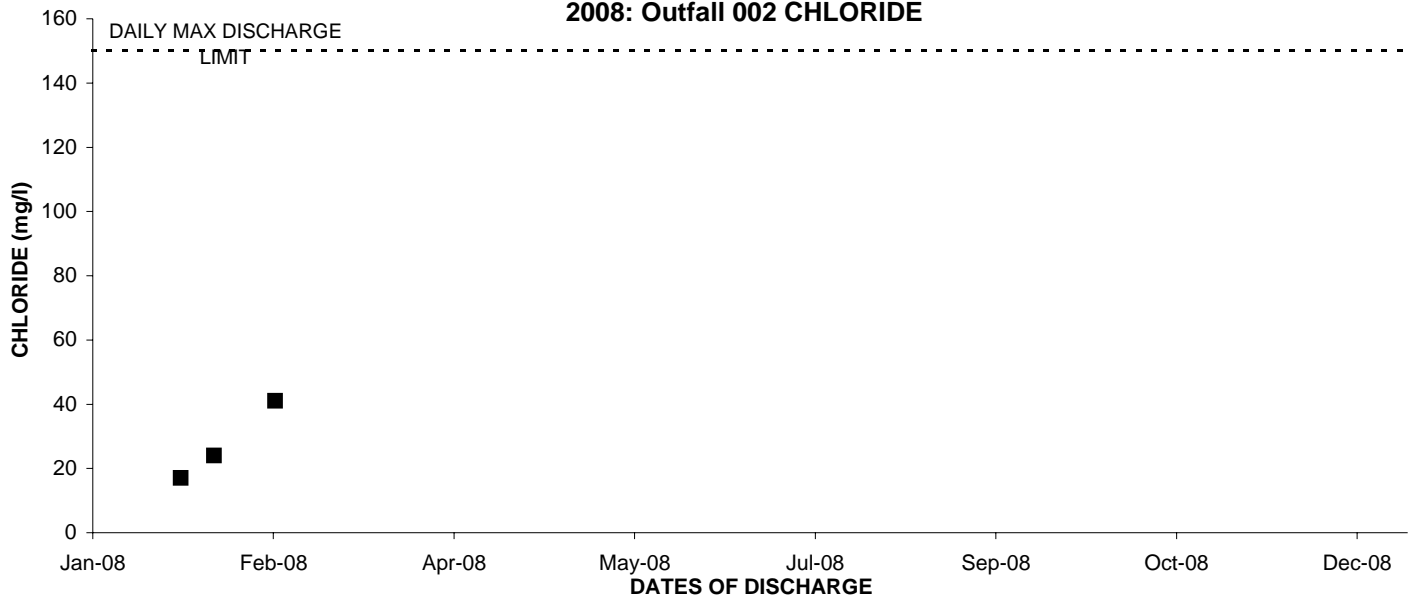
### 2008: Outfall 002 ACUTE TOXICITY



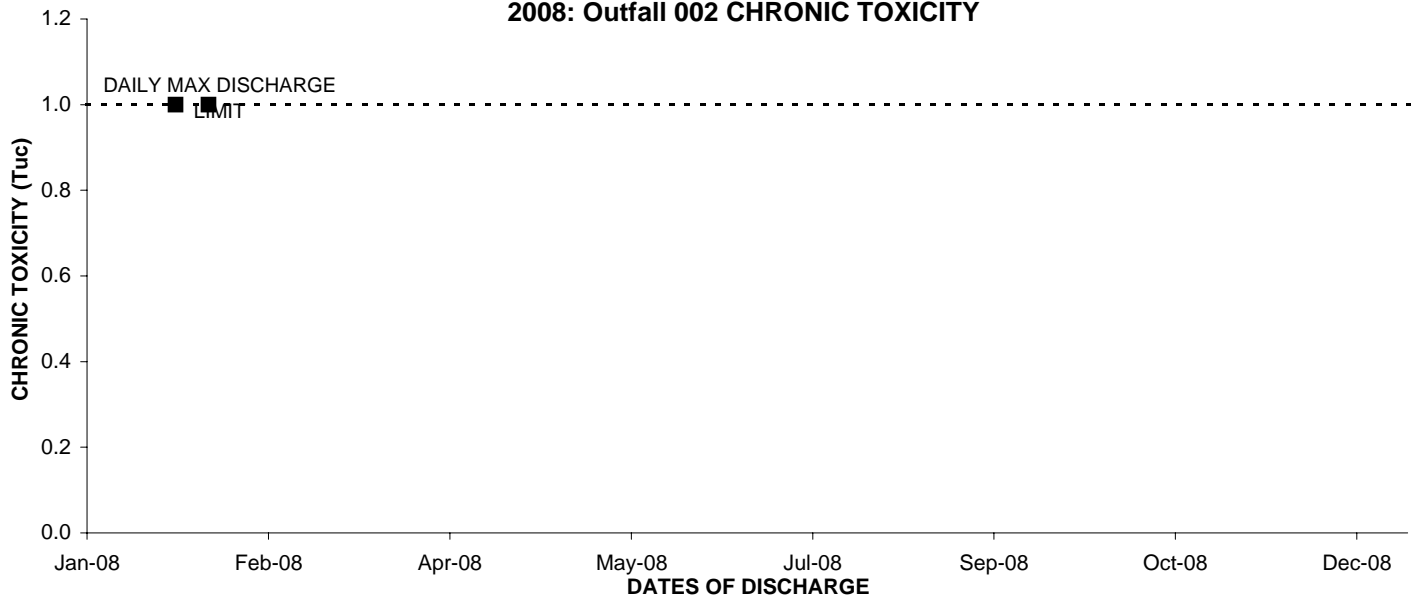
### 2008: Outfall 002 AMMONIA AS NITROGEN (N)



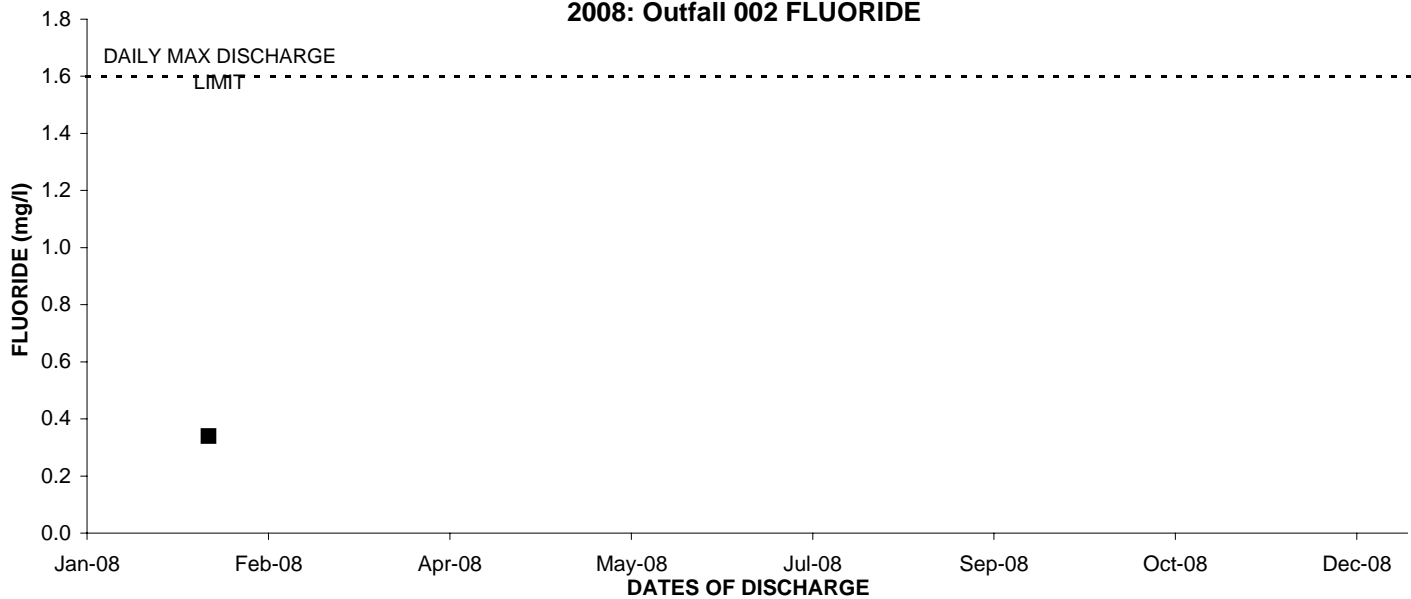
### 2008: Outfall 002 CHLORIDE



### 2008: Outfall 002 CHRONIC TOXICITY



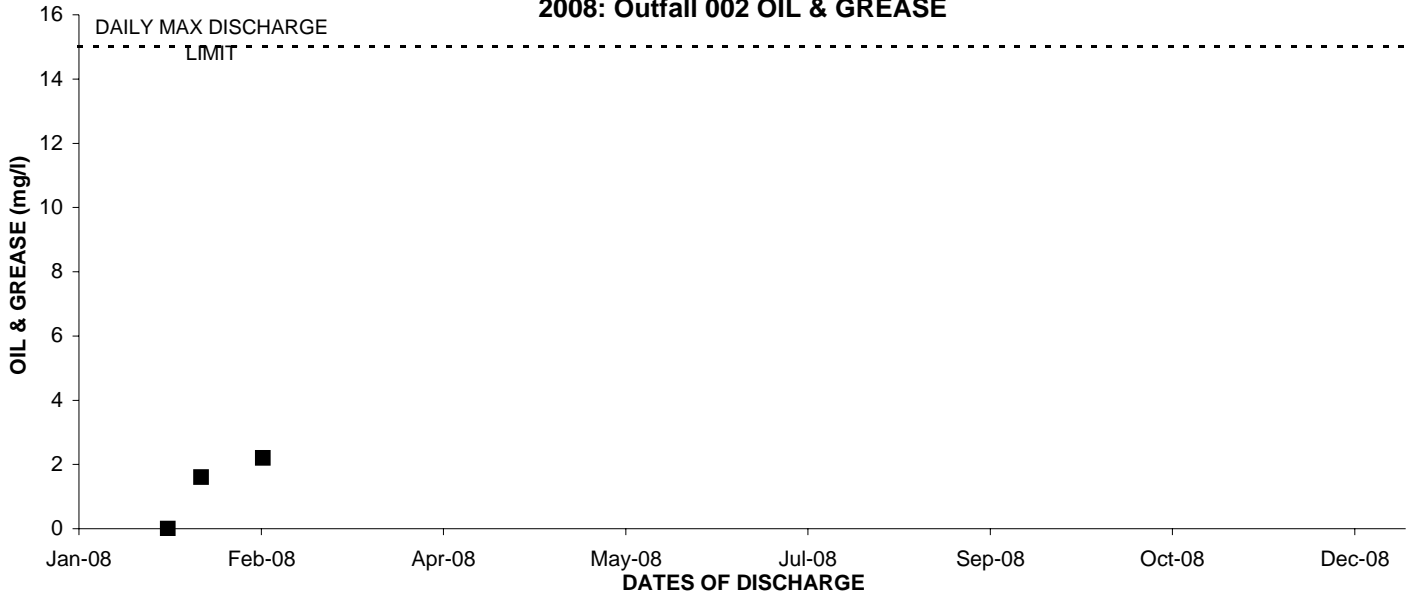
### 2008: Outfall 002 FLUORIDE



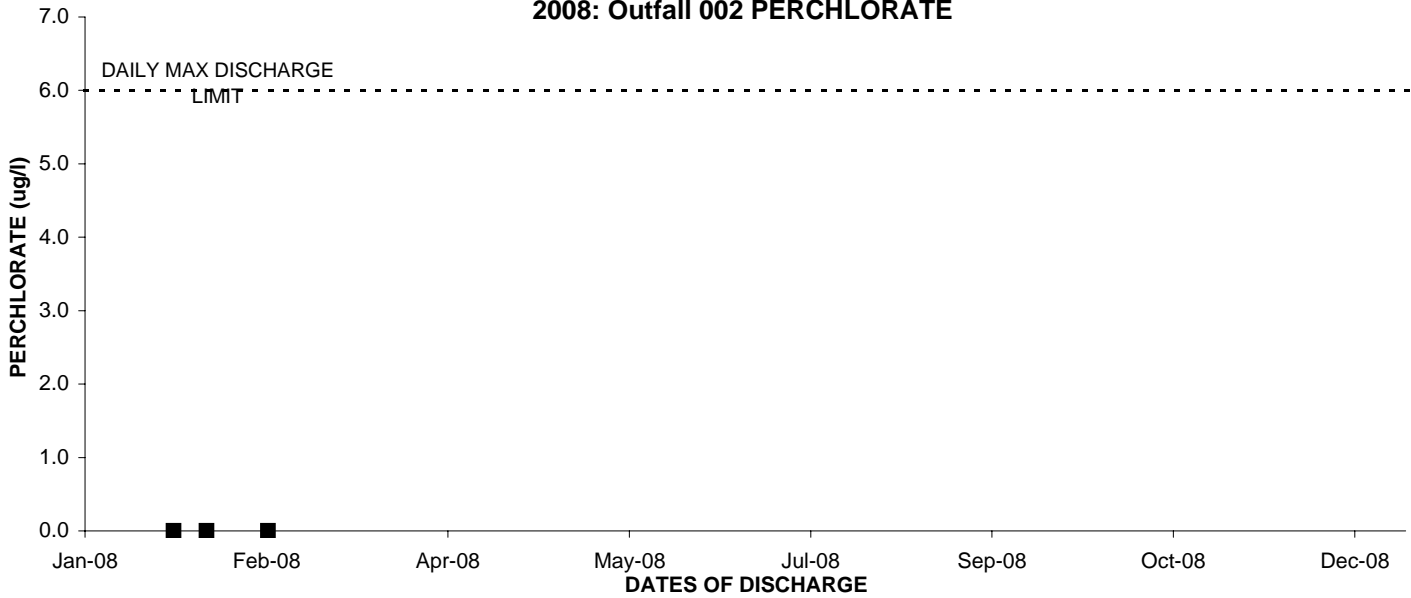




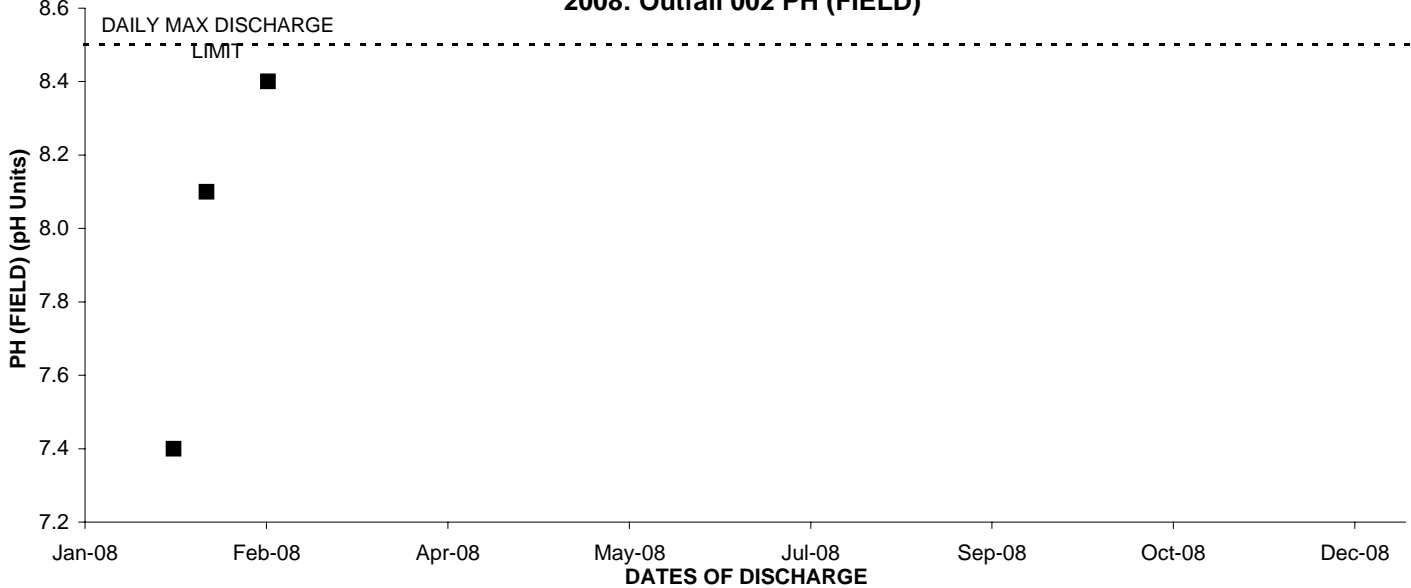
### 2008: Outfall 002 OIL & GREASE



### 2008: Outfall 002 PERCHLORATE

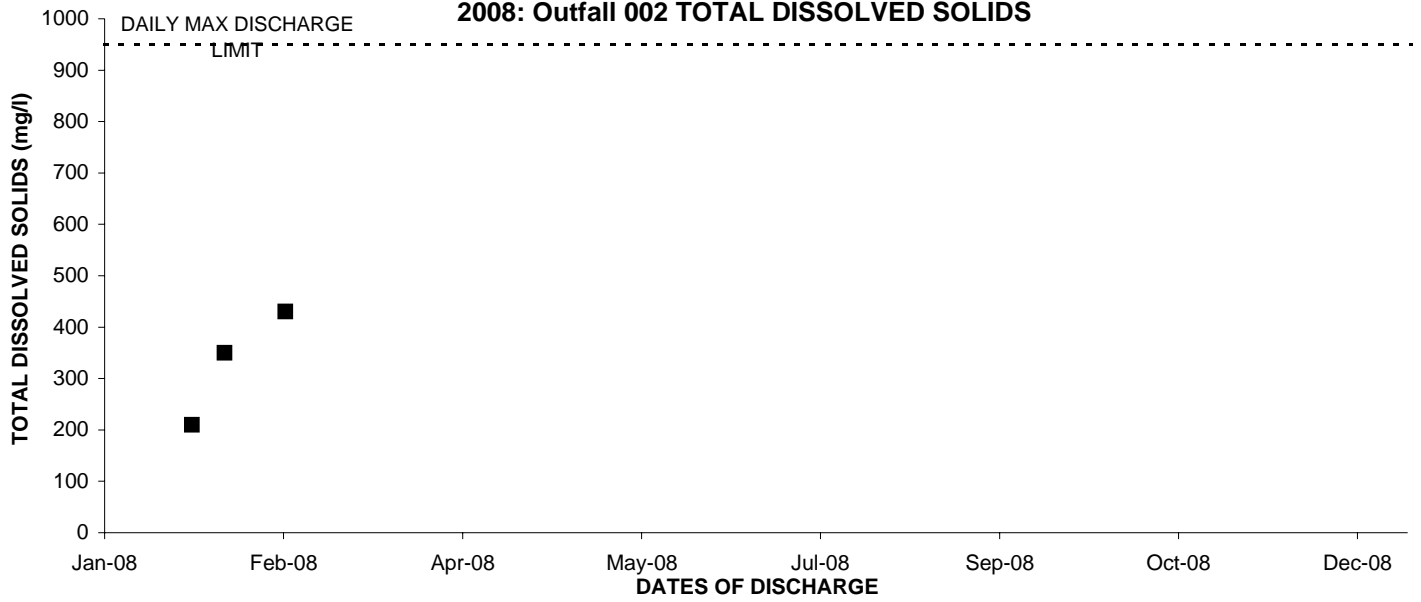


### 2008: Outfall 002 PH (FIELD)

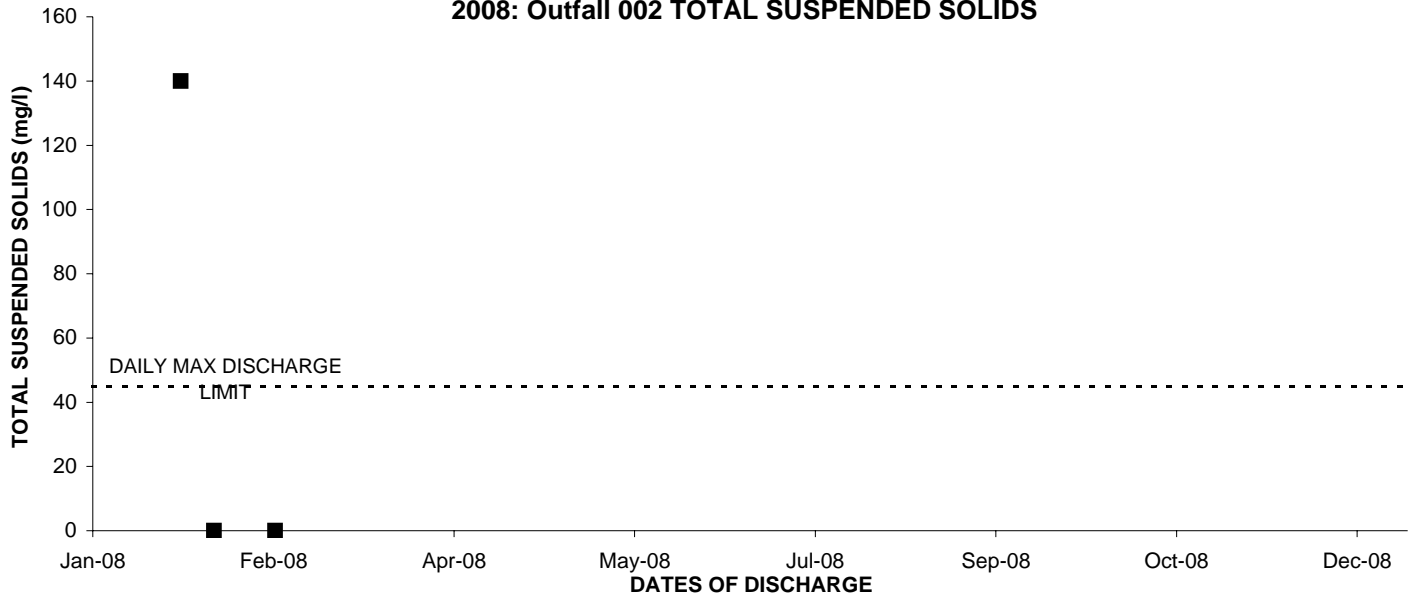




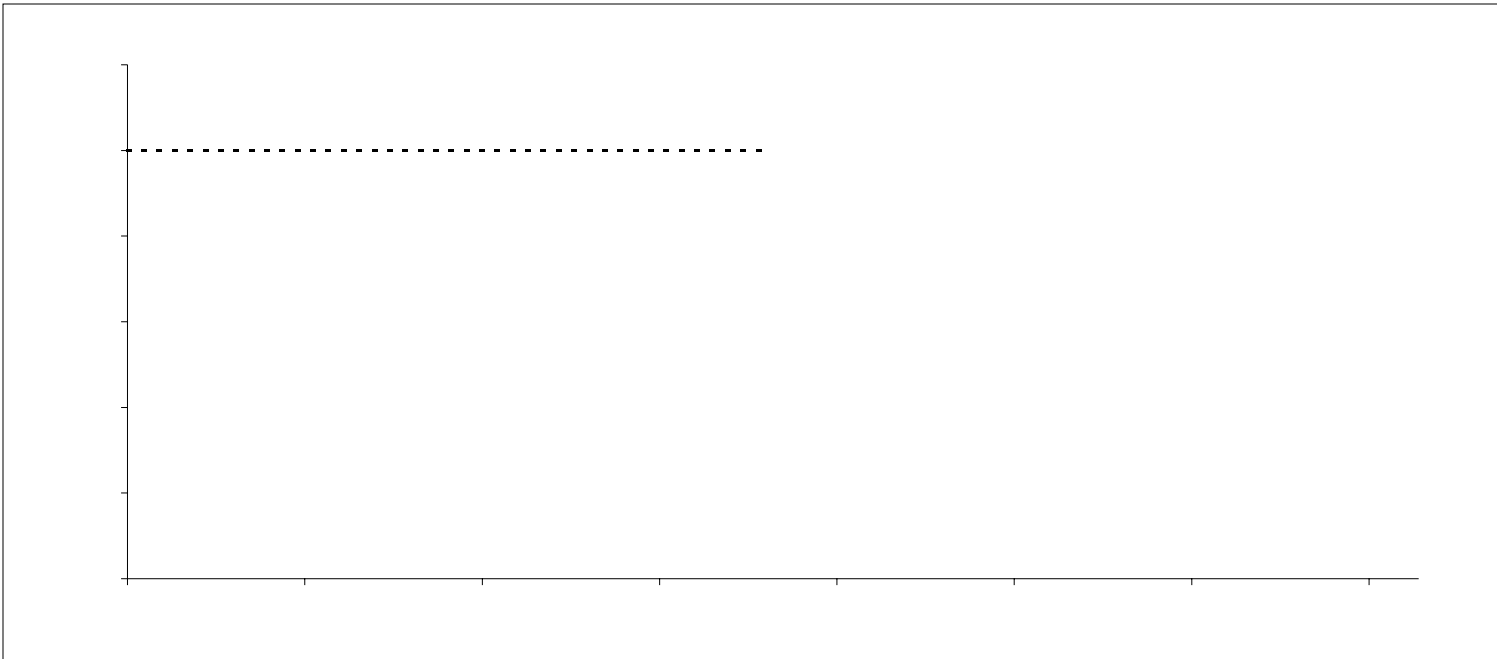
# 2008: Outfall 002 TOTAL DISSOLVED SOLIDS



### 2008: Outfall 002 TOTAL SUSPENDED SOLIDS













2008: Outfall 002 TCDD

