OUTFALL 018 (R-2 Spillway)

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

January 1 through February 29, 2008

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	1/23/2008 RESULT	1/23/2008 VALIDATION QUALIFIER	2/3/2008 RESULT	2/3/2008 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/-	1.9	J* (DNQ)	1.1	J* (DNQ)
Chloride	mg/L	150/-	84	*	23	*
Specific Conductivity (Lab)	umhos/cm	-/-	560	--	380	--

OUTFALL 018 (R-2 Spillway)

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

January 1 through February 29, 2008

			1/23/2008		2/3/2008	
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**VALIDATION QUALIFIER**	**RESULT**	**VALIDATION QUALIFIER**
Copper, dissolved	ug/L	-/-	0.84	J (DNQ)	3.1	--
Iron	mg/L	0.3/-	ANR	ANR	0.66	--
Iron, dissolved	mg/L	-/-	ANR	ANR	0.067	--
Lead	ug/L	5.2/-	1.0	--	0.49	J (DNQ)
Lead, dissolved	ug/L	-/-	ND < 0.30	U	ND < 0.30	U
Magnesium	mg/L	-/-	ANR	ANR	9.5	--
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	9.4	--
Manganese	ug/L	50/-	ANR	ANR	18	J (DNQ)
Manganese, dissolved	ug/L	-/-	ANR	ANR	ND < 7.0	U
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	96/-	ANR	ANR	2.6	J (DNQ)
Nickel, dissolved	ug/L	-/-	ANR	ANR	ND < 2.0	U
Selenium	ug/L	8.2/-	0.30	J (DNQ)	ND < 0.30	U
Selenium, dissolved	ug/L	-/-	ND < 0.30	U	ND < 0.30	U
Silver	ug/L	4.1/-	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	3.9	J (DNQ)
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ND < 3.0	U
Zinc	ug/L	119/-	15	J (B, DNQ)	14	J (DNQ)
Zinc, dissolved	ug/L	-/-	7.0	J (DNQ)	7.5	J (DNQ)
ORGANICS						
Benzene	ug/L	-/-	ND < 0.28	U	ND < 0.28	*

OUTFALL 018 (R-2 Spillway)

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

January 1 through February 29, 2008

			1/23/2008		2/3/2008	
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**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 < 0.096	*	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	*	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-M.4(ND/L,6-Tdnitrophenol)-15144.75ug/L	-/-	ANR	ANR	ANR	ANR	

OUTFALL 018 (R-2 Spillway)

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

January 1 through February 29, 2008

			1/23/2008		2/3/2008	
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**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/-	1.7	J* (DNQ)	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	ug/L	-/-	ANR	ANR	ND < 0.094	U
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ND < 0.22	*
Cyclohexane	ug/L	-/-	ANR	ANR	ND < 2.5	*
delta-BHC	ug/L	-/-	ANR	ANR	ND < 0.0033	*
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ND < 0.094	U
Dibromochloromethane	ug/L	-/-	ANR	ANR	ND < 0.28	*
Dieldrin	ug/L	-/-	ANR	ANR	ND < 0.0019	*
Diethylphthalate	ug/L	-/-	ANR	ANR	ND < 0.094	U
Dimethylphthalate	ug/L	-/-	ANR	ANR	ND < 0.094	U
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ND < 0.19	U

OUTFALL 018 (R-2 Spillway)

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

January 1 through February 29, 2008

			1/23/2008		2/3/2008	
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**VALIDATION QUALIFIER**	**RESULT**	**VALIDATION QUALIFIER**
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ND < 0.32	U
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ND < 0.094	U
Isophorone	ug/L	-/-	ANR	ANR	ND < 0.094	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 < 0.95	*
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ND < 0.56	U
Naphthalene	ug/L	-/-	ANR	ANR	ND < 0.094	U
Nitrobenzene	ug/L	-/-	ANR	ANR	ND < 0.094	U
n-Nitrosodimethylamine	ug/L	16.3/-	ND < 0.096	*	ND < 0.094	U
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ND < 0.094	U
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ND < 0.094	U
Pentachlorophenol	ug/L	16.5/-	ND < 0.096	*	ND < 0.094	U
Phenanthrene	ug/L	-/-	ANR	ANR	ND < 0.094	U
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ND < 0.094	U
Toxaphene	ug/L	-/-	ANR	ANR	ND < 0.066	*
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ND < 0.27	*
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ND < 0.32	*

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

OUTFALL 018 (R-2 Spillway)

ANNUAL 2008 REPORTING SUMMARY

OUTFALL 018 (R-2 Spillway)

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

January 1 through February 29, 2008

			2/24/2008	
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**VALIDATION QUALIFIER**
Copper, dissolved	ug/L	-/-	0.86	J (DNQ)
Iron	mg/L	0.3/-	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR
Lead	ug/L	5.2/-	0.81	J (DNQ)
Lead, dissolved	ug/L	-/-	ND < 0.30	U
Magnesium	mg/L	-/-	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR
Mercury	ug/L	0.10/-	ND < 0.050	U
Mercury, dissolved	ug/L	-/-	ND < 0.050	U
Nickel	ug/L	96/-	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR
Selenium	ug/L	8.2/-	ND < 0.60	U
Selenium, dissolved	ug/L	-/-	ND < 0.30	U
Silver	ug/L	4.1/-	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR
Zinc	ug/L	119/-	ND < 40	UJ (B)
Zinc, dissolved	ug/L	-/-	13	J (DNQ)
ORGANICS				
Benzene	ug/L	-/-	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	ND < 0.28	*
Chloroform	ug/L	-/-	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	ND < 0.27	*
1,2-Dichloroethane	ug/L	-/-	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR
Ethylbenzene	ug/L	-/-	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	ND < 0.32	*
Toluene	ug/L	-/-	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	ND < 0.30	*
TPH				
EFH (C13 - C22)	mg/L	-/-	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR
TRPH	mg/L	-/-	ANR	ANR
ADDITIONAL ANALYTES				

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

OUTFALL 018 (R-2 Spillway)

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

January 1 through February 29, 2008

ANALYTE	UNITS	Permit Limit Daily Max/Monthly

OUTFALL 018 (R-2 Spillway)

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

January 1 through February 29, 2008

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg
Benzo(a)anthracene	ug/L	-/-
Benzo(a)pyrene	ug/L	-/-
Benzo(b)fluoranthene	ug/L	-/-
Benzo(g,h,I)perylene	ug/L	-/-
Benzo(k)fluoranthene	ug/L	-/-
beta-BHC	ug/L	-/-
bis (2-Chloroethyl) ether	ug/L	-/-
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-
bis(2-Chloroethoxy) methane	ug/L	-/-
bis(2-Chloroisopropyl) ether	ug/L	-/-
Bromodichloromethane	ug/L	-/-
Bromoform	ug/L	-/-
Bromomethane	ug/L	-/-
Butylbenzylphthalate	ug/L	-/-
Chlordane	ug/L	-/-
Chlorobenzene	ug/L	-/-
Chloroethane	ug/L	-/-
Chloromethane	ug/L	-/-
Chronic Toxicity	TUC	1.0/-
Chrysene	ug/L	-/-
cis-1,2-Dichloroethene	ug/L	-/-
cis-1,3-Dichloropropene	ug/L	-/-
Cyclohexane	ug/L	-/-
delta-BHC	ug/L	-/-
Dibenzo(a,h)anthracene	ug/L	-/-
Dibromochloromethane	ug/L	-/-
Dieldrin	ug/L	-/-
Diethylphthalate	ug/L	-/-
Dimethylphthalate	ug/L	-/-
Di-n-butylphthalate	ug/L	-/-
Di-n-octylphthalate	ug/L	-/-
Endosulfan I	ug/L	-/-
Endosulfan II	ug/L	-/-

OUTFALL 018 (R-2 Spillway)

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

January 1 through February 29, 2008

			2/24/2008	
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**VALIDATION QUALIFIER**
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR
Methoxychlor	ug/L	-/-	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR
n-Nitrosodimethylamine	ug/L	16.3/-	ND < 0.095	U
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR
Pentachlorophenol	ug/L	16.5/-	ND < 0.095	U
Phenanthrene	ug/L	-/-	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR

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

OUTFALL 018 (R-2 Spillway)

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

Sample Date January 23, 2008

						5.33E-08	**5.33E-08**
OCDF	0.00E+00	5.00E-05	1.44E-05	J (DNQ)	0.0001	**1.44E-09**	**ND**
TCDD TEQ w/ DNQ Values						**7.70E-07**	
TCDD TEQ w/out DNQ Values							**5.15E-07**

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 018 (R-2 Spillway)

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

Sample Date February 24, 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	4.01E-05	--		0.01	**4.01E-07**	**4.01E-07**
1,2,3,4,6,7,8-HpCDF	0.00E+00	2.50E-05	9.16E-06	J (DNQ)		0.01	**9.16E-08**	**ND**
1,2,3,4,7,8,9-HpCDF	1.20E-06	2.50E-05	ND	U		0.01	**ND**	**ND**
1,2,3,4,7,8-HxCDD	2.39E-06	2.50E-05	ND	U		0.1	**ND**	**ND**
1,2,3,4,7,8-HxCDF	1.06E-06	2.50E-05	ND	U		0.1	**ND**	**ND**
1,2,3,6,7,8-HxCDD	4.32E-06	2.50E-05	ND	U		0.1	**ND**	**ND**
1,2,3,6,7,8-HxCDF	1.08E-06	2.50E-05	ND	U		0.1	**ND**	**ND**
1,2,3,7,8,9-HxCDD	4.12E-06	2.50E-05	ND	U		0.1	**ND**	**ND**
1,2,3,7,8,9-HxCDF	8.44E-07	2.50E-05	ND	U		0.1	**ND**	**ND**
1,2,3,7,8-PeCDD	1.63E-06	2.50E-05	ND	U		1	**ND**	**ND**
1,2,3,7,8-PeCDF	1.62E-06	2.50E-05	ND	U		0.05	**ND**	**ND**
2,3,4,6,7,8-HxCDF	1.53E-06	2.50E-05	ND	U		0.1	**ND**	**ND**
2,3,4,7,8-PeCDF	9.87E-07	2.50E-05	ND	U		0.5	**ND**	**ND**
2,3,7,8-TCDD	8.71E-07	5.00E-06	ND	U		1	**ND**	**ND**
2,3,7,8-TCDF	1.57E-06	5.00E-06	ND	U		0.1	**ND**	**ND**
OCDD	0.00E+00	5.00E-05	4.04E-04	--		0.0001	**4.04E-08**	**4.04E-08**
OCDF	0.00E+00	5.00E-05	1.58E-05	J (DNQ)		0.0001	**1.58E-09**	**ND**

TCDD TEQ w/ DNQ Values	**5.35E-07**	
TCDD TEQ w/out DNQ Values		**4.41E-07**

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 018 (R-2 Spillway)

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

January 1 through December 31, 2008

			1/23/2008			2/3/2008			2/24/2008		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY											
Gross Alpha	pCi/L	15/-	-1.16 ±1.3	2.5	UJ (R)	0.432 ± 0.65	1.0	UJ (R)	2.15 ± 1.1	1.3	J (R)
Gross Beta	pCi/L	50/-	4.16 ±1.0	1.4	--	2.98 ± 0.84	1.3	--	4.36 ± 1.1	1.7	--
Strontium-90	pCi/L	8.0/-	-0.093 ±0.24	0.53	UJ (H)	0.235 ± 0.31	0.60	UJ (H)	-0.106 ± 0.36	0.88	UJ (H)
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.565 ± 0.39	0.610	UJ (H)	0.273 ± 0.46	1.09	UJ (H)	2.169 ± 0.73	1.23	UJ (H)
Tritium	pCi/L	20000/-	-28.6 ±94	160	U	-31.3 ± 89	150	U	-58.7 ± 85	150	U
Cs-137 (G)	pCi/L	----	ND < 0.66	0.66	U	ND < 0.89	0.89	UJ (H)	ND < 0.94	0.94	UJ (H)
K-40 (G)	pCi/L	----	ND < 8.7	8.7	U	ND < 19	19	UJ (H)	ND < 14	14	UJ (H)
Uranium, Total	pCi/L	20/-	0.409 ±0.046	0.022	J (H)	0.506 ± 0.056	0.022	J (H)	0.533 ± 0.060	0.023	J (H)

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

OUTFALL 018 (R-2 Spillway)

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

January 1 through December 31, 2008

			1/23/2008		2/3/2008		2/24/2008	
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	Result	CONCENTRATION RESULT VALIDATION QUALIFIER	Result	CONCENTRATION RESULT VALIDATION QUALIFIER	Result	CONCENTRATION RESULT VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	ND	*	ND	*	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	1.33	J* (DNQ)	5.19	J* (DNQ)	4.02	*
Chloride	LBS/DAY	200,160/-	58.85	*	108.57	*	40.18	*
Surfactants (MBAS)	LBS/DAY	667/-	0.04	J* (DNQ)	ND	*	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	1.46	J* (DNQ)	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	0.14	J* (DNQ)	8.02	*	1.24	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	0.14	*	8.02	*	1.24	*
Nitrite-N	LBS/DAY	1,334/-	ND	*	ND	*	ND	*
Oil & Grease	LBS/DAY	20,016/-	ND	*	ND	*	3.47	J* (DNQ)
Perchlorate	LBS/DAY	8/-	ND	*	ND	*	ND	*
Sulfate	LBS/DAY	400,320/-	58.85	*	316.27	M-3*	154.04	*
Total Cyanide	LBS/DAY	11.3/-	ND	*	ND	*	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	252.20	*	1227.31	*	531.80	*
Total Residual Chlorine	LBS/DAY	133/-	ANR	ANR	0.66	J (H)	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/-	ND	U	ND	*	49.51	*
Antimony	LBS/DAY	8.01/-	ANR	ANR	0.002	J (DNQ)	ANR	ANR
Arsenic	LBS/DAY	66.7/-	ANR	ANR	ND	U	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	0.09	--	ANR	ANR
Beryllium	LBS/DAY	5.34/-	ANR	ANR	ND	U	ANR	ANR
Cadmium	LBS/DAY	4.14/-	ND	U	ND	U	ND	U
Chromium	LBS/DAY	21.8/-	ANR	ANR	ND	U	ANR	ANR
Copper	LBS/DAY	18.7/-	0.001	J (DNQ)	0.02	--	0.01	J (DNQ)
Iron	LBS/DAY	400/-	ANR	ANR	3.12	--	ANR	ANR
Lead	LBS/DAY	6.94/-	0.001	--	0.002	J (DNQ)	0.001	J (DNQ)
Manganese	LBS/DAY	66.7/-	ANR	ANR	0.08	J (DNQ)	ANR	ANR
Mercury	LBS/DAY	0.13/-	ND	U	ND	U	ND	U
Nickel	LBS/DAY	128/-	ANR	ANR	0.01	J (DNQ)	ANR	ANR
Selenium	LBS/DAY	10.9/-	0.0002	J (DNQ)	ND	U	ND	U

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

OUTFALL 018 (R-2 Spillway)

ANNUAL 2008 REPORTING SUMMARY

OUTFALL 018 (R-2 Spillway)
BMP EFFECTIVENESS

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

January 1 through December 31, 2008

		018 EFF-1 1/23/2008 1:15:00 PM	018 EFF-1 1/24/2008 12:21:00 PM	018 EFF-1 2/5/2008 12:25:00 PM	018 EFF-1 2/24/2008 8:00:00 AM	018 EFF-2 1/23/2008 2:15:00 PM
ANALYTE	**UNITS**					
Density	g/cc	0.99*	0.99*	1.0*	0.99*	0.99*
Sediment	mg/L	42*	23*	ND <10*	11*	10*
Total Suspended Solids	mg/L	42*	--	--	--	10*

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

OUTFALL 018 (R-2 Spillway)
BMP EFFECTIVENESS

OUTFALL 018 (R-2 Spillway)
BMP EFFECTIVENESS

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

January 1 through December 31, 2008

		018 EFF-4 1/23/2008 4:15:00 PM	018 EFF-4 1/24/2008 3:21:00 PM	018 EFF-4 2/24/2008 11:00:00 AM	018 EFF-5 1/23/2008 5:15:00 PM	018 EFF-5 1/24/2008 4:21:00 PM
ANALYTE	**UNITS**					
Density	g/cc	1.0*	0.99*	1.0*	0.99*	1.0*
Sediment	mg/L	ND <10*	18*	ND <10*	ND <10*	16*
Total Suspended Solids	mg/L	ND <10*	--	--	ND <10*	--

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OUTFALL 018 (R-2 Spillway)
BMP EFFECTIVENESS

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

January 1 through December 31, 2008

		018 EFF-5 2/24/2008 12:00:00 PM	018 EFF-6 1/23/2008 6:15:00 PM	018 EFF-6 1/24/2008 5:21:00 PM	018 EFF-6 2/24/2008 1:00:00 PM	018 EFF-7 1/23/2008 7:15:00 PM
ANALYTE	**UNITS**					
Density	g/cc	0.99*	0.99*	0.99*	0.99*	1.0*
Sediment	mg/L	15*	ND <10*	19*	16*	ND <10*
Total Suspended Solids	mg/L	--	ND <10*	--	--	ND <10*

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OUTFALL 018 (R-2 Spillway)
BMP EFFECTIVENESS

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

January 1 through December 31, 2008

		018 EFF-7	018 EFF-7	018 EFF-8	018 EFF-8
		1/24/2008 6:21:00 PM	2/24/2008 2:00:00 PM	1/23/2008 8:15:00 PM	
ANALYTE	**UNITS**				
Density	g/cc				
Sediment	mg/L				
Total Suspended Solids	mg/L				

OUTFALL 018 (R-2 Spillway)
BMP EFFECTIVENESS

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

January 1 through December 31, 2008

		018 EFF-10	018 EFF-11	018 EFF-11	018 EFF-11	018 EFF-12
		2/24/2008 5:00:00 PM	1/23/2008 11:15:00 PM	1/24/2008 9:21:00 PM	2/24/2008 6:00:00 PM	1/24/2008 12:15:00 AM
ANALYTE	**UNITS**					
Density	g/cc	1.0*	0.99*	0.99*	0.99*	1.0*
Sediment	mg/L	24*	ND <10*	210*	23*	ND <10*
Total Suspended Solids	mg/L	--	ND <10*	--	--	ND <10*

OUTFALL 018 (R-2 Spillway)
BMP EFFECTIVENESS

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

January 1 through December 31, 2008

		018 EFF-12 1/25/2008 11:21:00 PM	018 EFF-12 2/24/2008 7:00:00 PM	018 EFF-13 1/24/2008 1:15:00 AM	018 EFF-13 1/25/2008 12:21:00 AM	018 EFF-13 2/24/2008 8:00:00 PM
ANALYTE	**UNITS**					
Density	g/cc	0.99*	0.99*	0.98*	0.99*	0.99*
Sediment	mg/L	200*	20*	ND <10*	190*	19*
Total Suspended Solids	mg/L	--	--	ND <10*	--	--

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

OUTFALL 018 (R-2 Spillway)
BMP EFFECTIVENESS

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BMP EFFECTIVENESS

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

January 1 through December 31, 2008

		018 EFF-15 2/24/2008 10:00:00 PM	018 EFF-16 1/24/2008 4:15:00 AM	018 EFF-16 1/25/2008 3:21:00 AM	018 EFF-16 2/24/2008 11:00:00 PM	018 EFF-17 1/24/2008 5:15:00 AM
ANALYTE	**UNITS**					
Density	g/cc	0.99*	1.0*	0.99*	0.99*	0.99*
Sediment	mg/L	13*	ND <10*	160*	12*	12*
Total Suspended Solids	mg/L	--	ND <10*	--	--	12*

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OUTFALL 018 (R-2 Spillway)
BMP EFFECTIVENESS

OUTFALL 018 (R-2 Spillway)
BMP EFFECTIVENESS

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

January 1 through December 31, 2008

		018 EFF-19 1/24/2008 7:15:00 AM	018 EFF-19 1/25/2008 6:21:00 AM	018 EFF-19 2/25/2008 2:00:00 AM	018 EFF-20 1/24/2008 8:15:00 AM	018 EFF-20 1/25/2008 7:21:00 AM
ANALYTE	**UNITS**					
Density	g/cc	0.99*	0.99*	0.99*	0.99*	0.99*
Sediment	mg/L	ND <10*	99*	14*	13*	85*
Total Suspended Solids	mg/L	ND <10*	--	--	13*	--

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OUTFALL 018 (R-2 Spillway)
BMP EFFECTIVENESS

ANNUAL 2008 REPORTIN,lway)

OUTFALL 018 (R-2 Spillway)
BMP EFFECTIVENESS

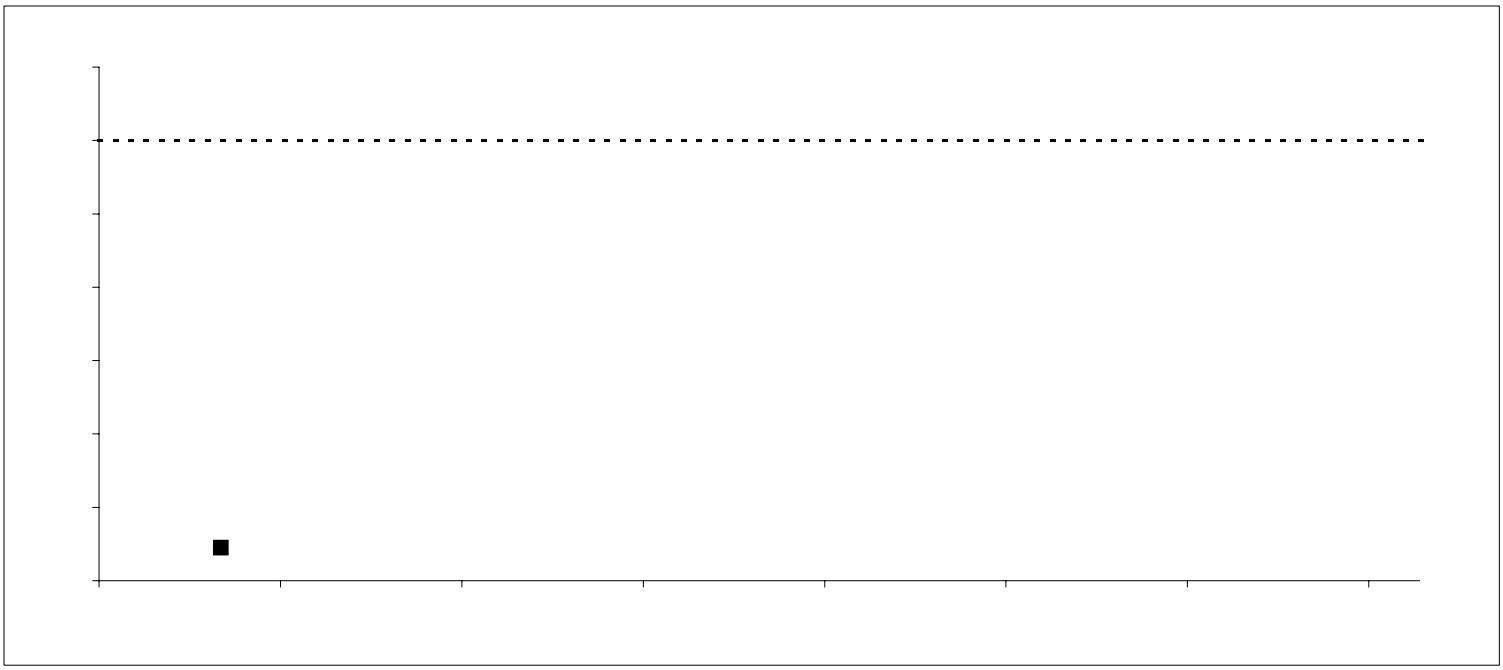
OUTFALL 018 (R-2 Spillway)
BMP EFFECTIVENESS

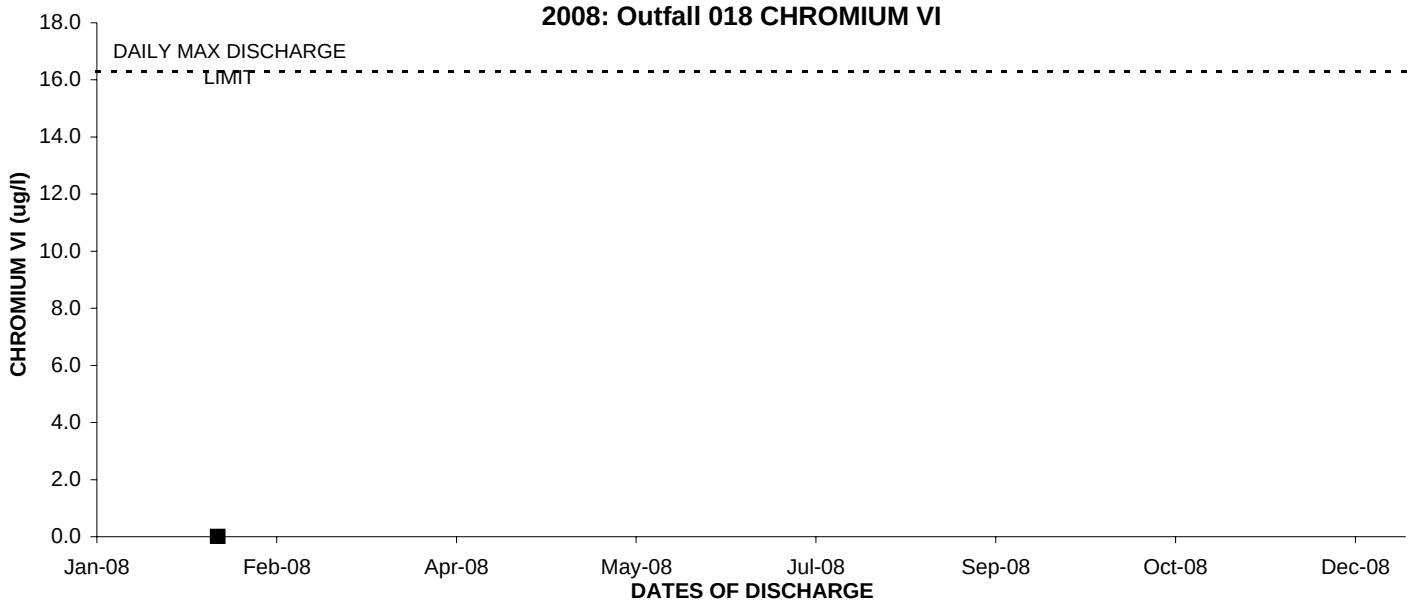
ANNUAL 2008 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

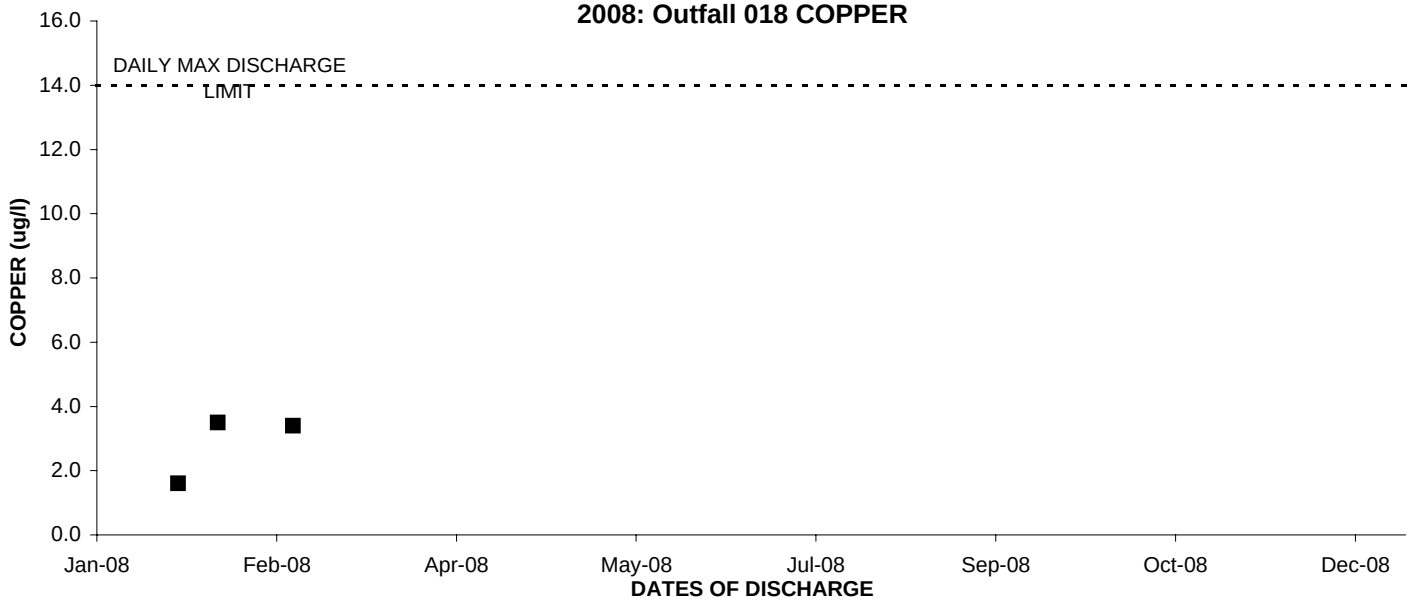
January 1 through December 31, 2008

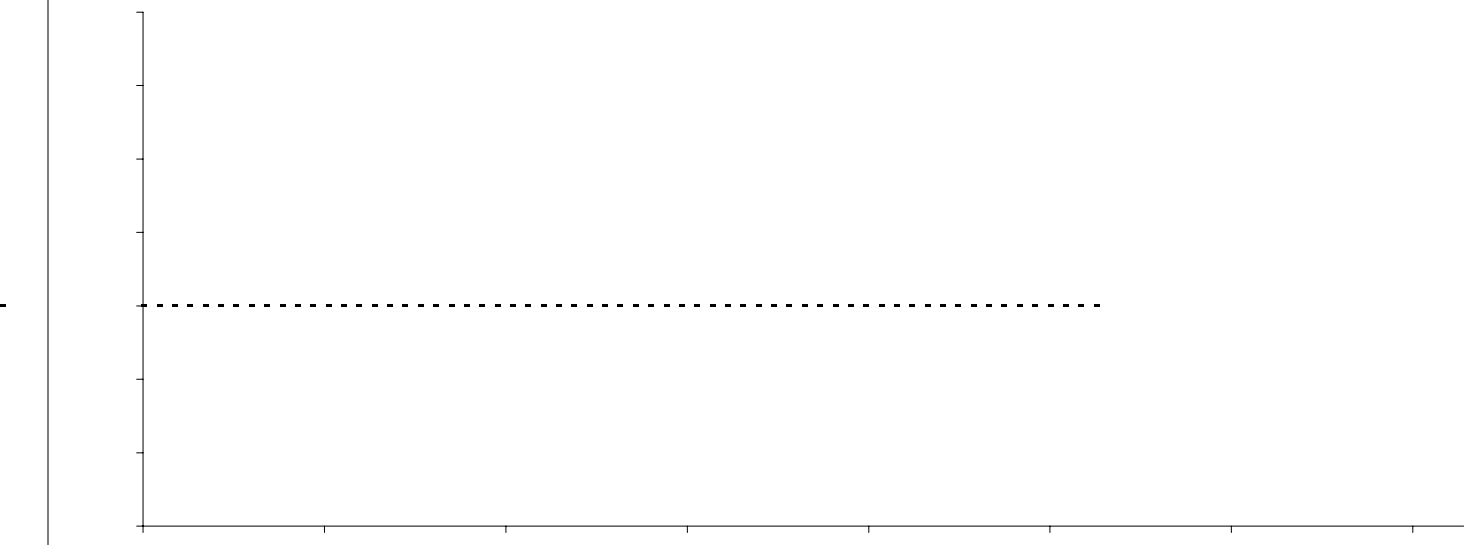
		018 EFF-24 1/25/2008 11:21:00 AM	018 EFF-24 2/25/2008 7:00:00 AM
ANALYTE	**UNITS**		
Density	g/cc	1.0*	0.99*
Sediment	mg/L	50*	12*
Total Suspended Solids	mg/L	--	--

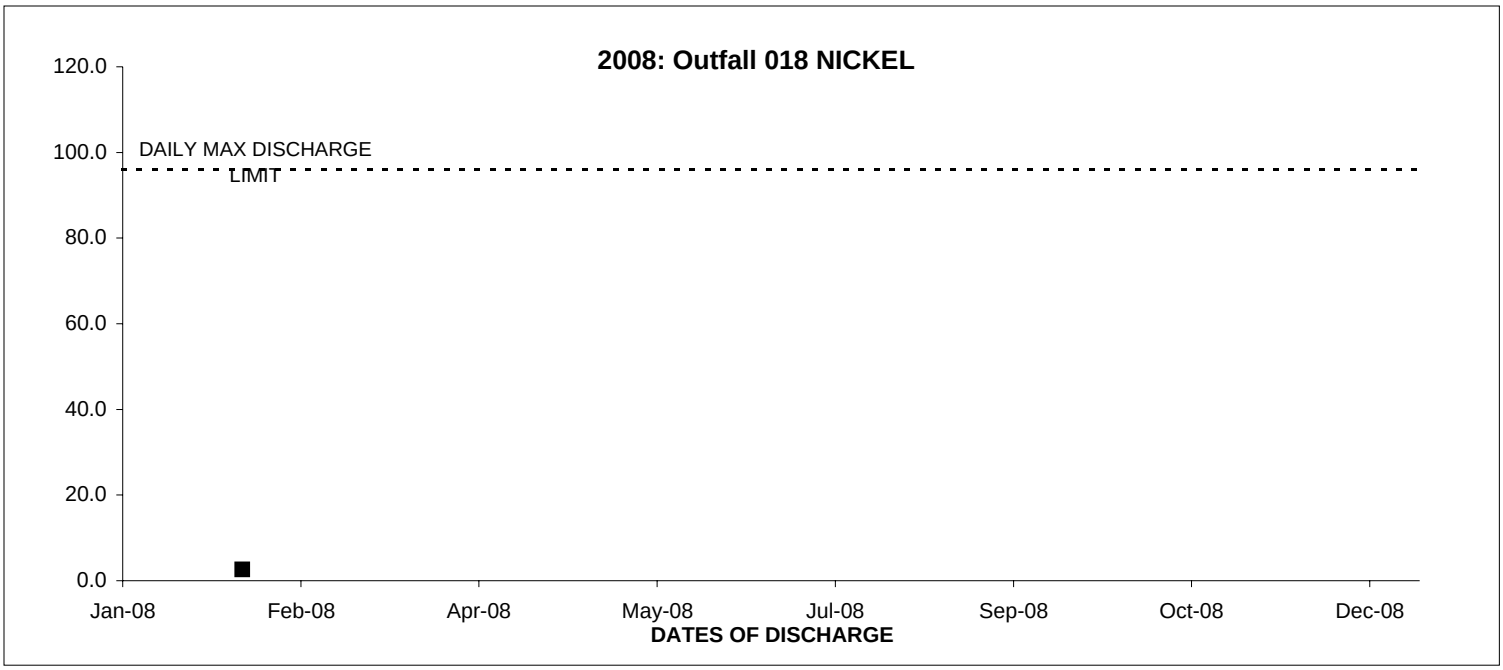
See attached notes for abbreviations, definitions and other explanations for the data presented.

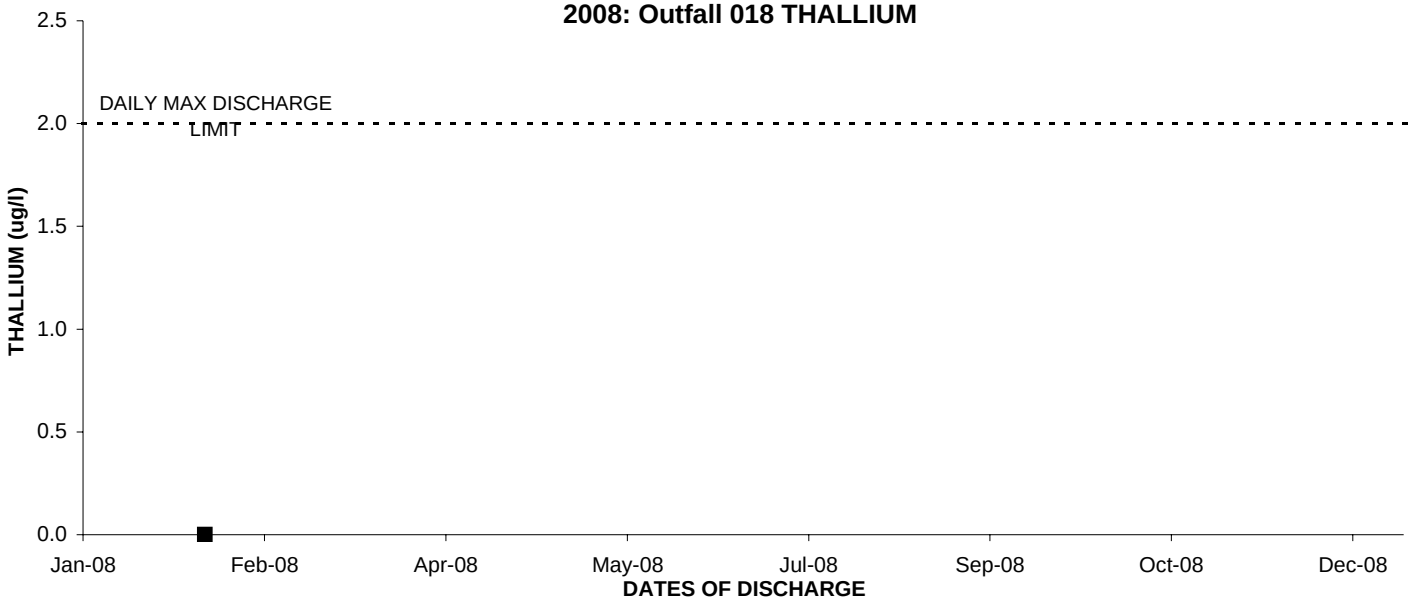


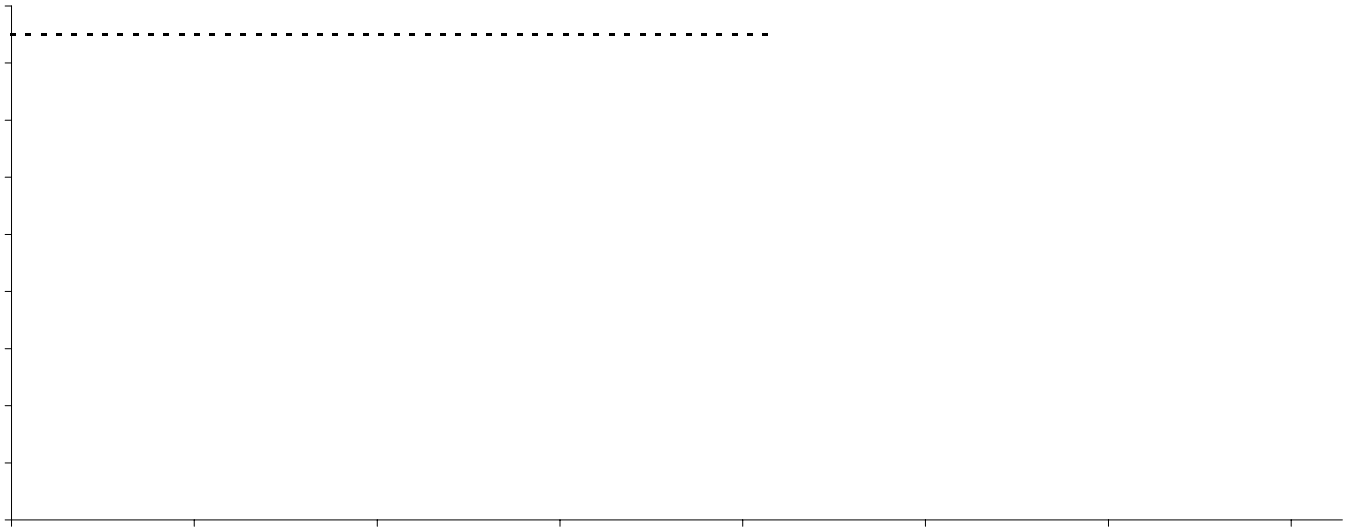

2008: Outfall 018 CHROMIUM VI
DAILY MAX DISCHARGE LIMIT
CHROMIUM VI (ug/l)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Jan-08
Feb-08
Apr-08
May-08
Jul-08
Sep-08
Oct-08
Dec-08
DATES OF DISCHARGE

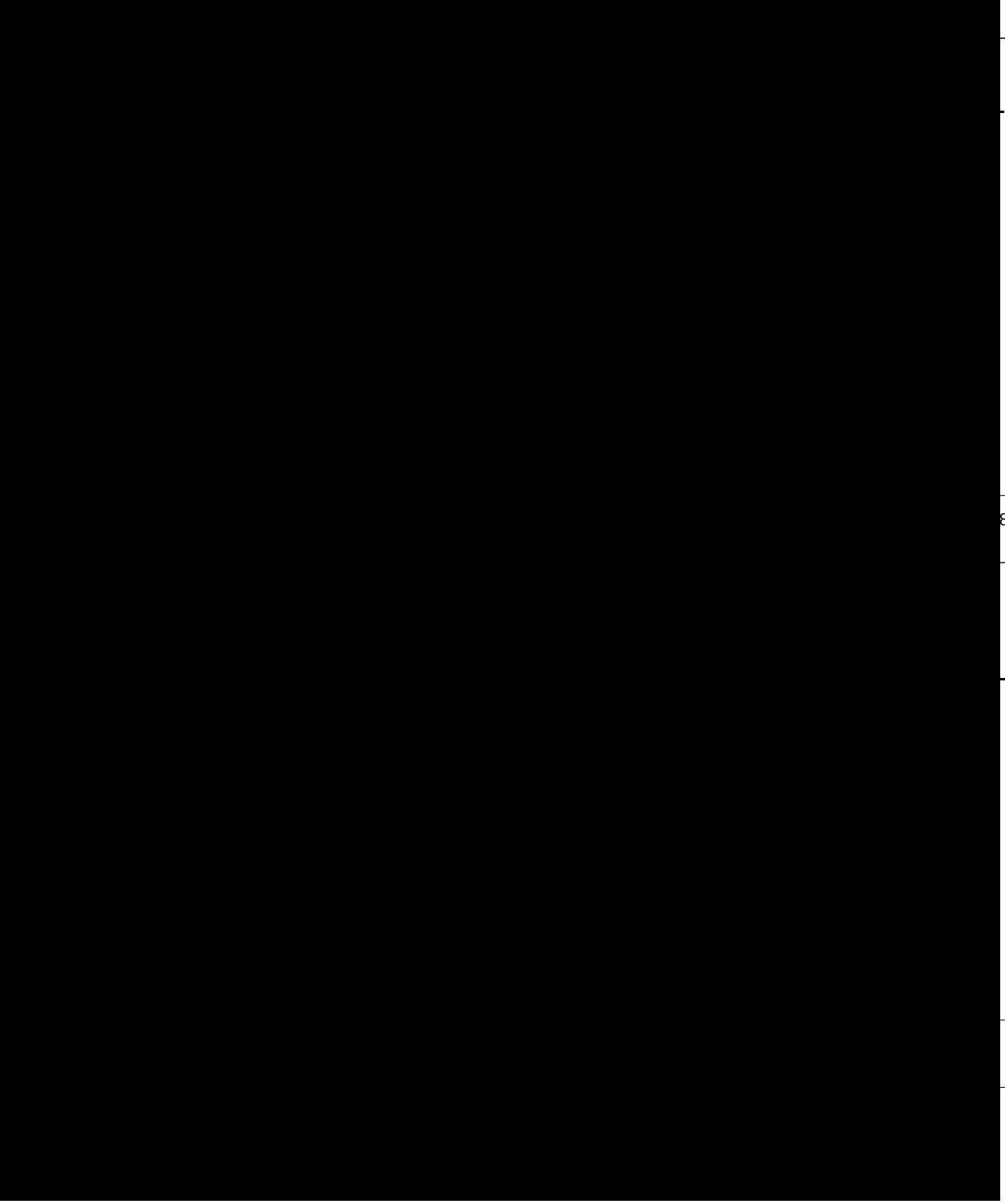

2008: Outfall 018 COPPER
DAILY MAX DISCHARGE LIMIT
COPPER (ug/l)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Jan-08
Feb-08
Apr-08
May-08
Jul-08
Sep-08
Oct-08
Dec-08
DATES OF DISCHARGE

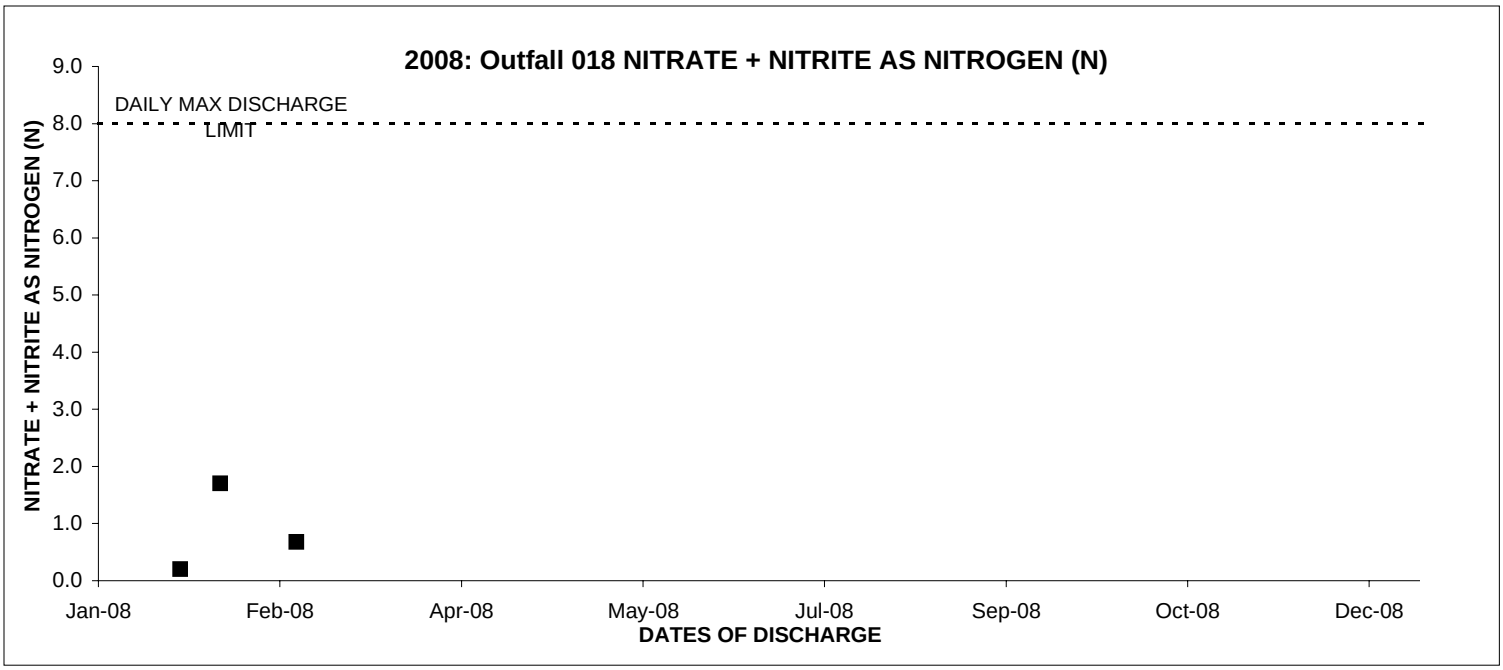


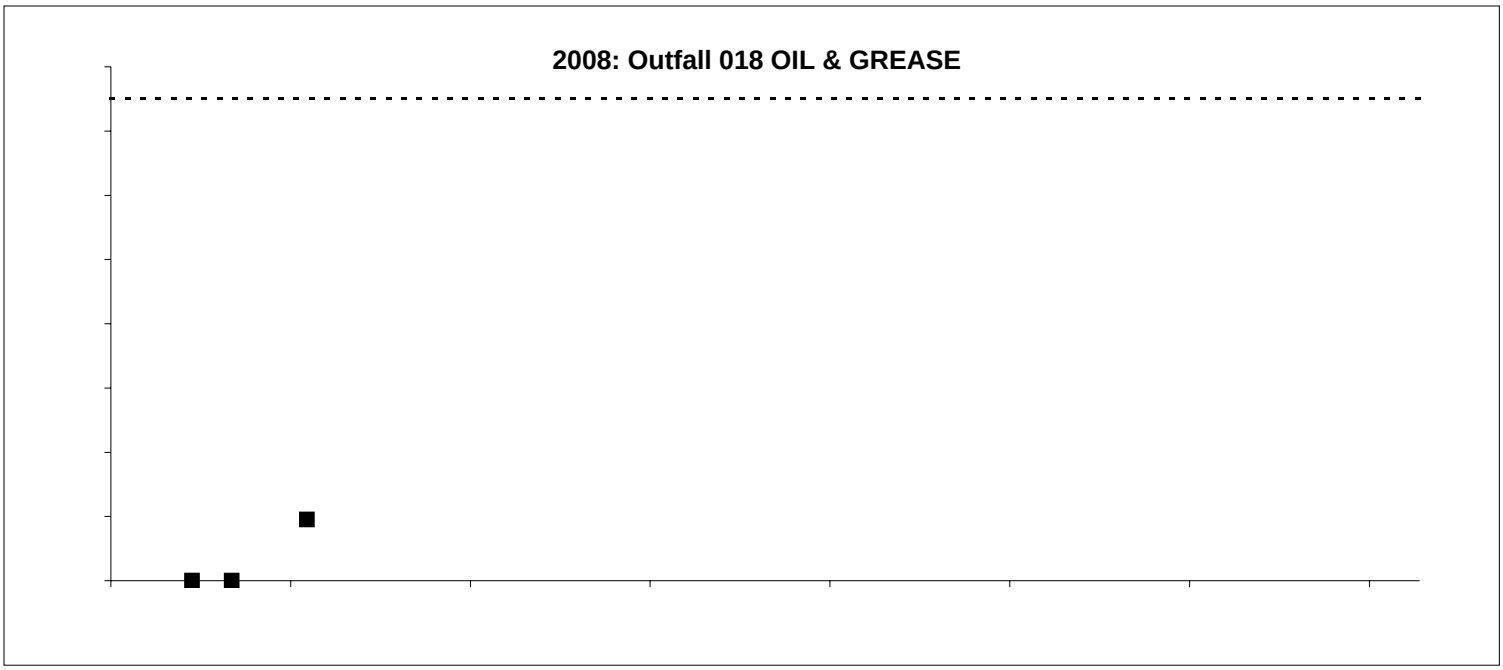

2008: Outfall 018 NICKEL
120.0
100.0
80.0
60.0
40.0
20.0
0.0
DAILY MAX DISCHARGE LIMIT
Jan-08
Feb-08
Apr-08
May-08
Jul-08
Sep-08
Oct-08
Dec-08
DATES OF DISCHARGE

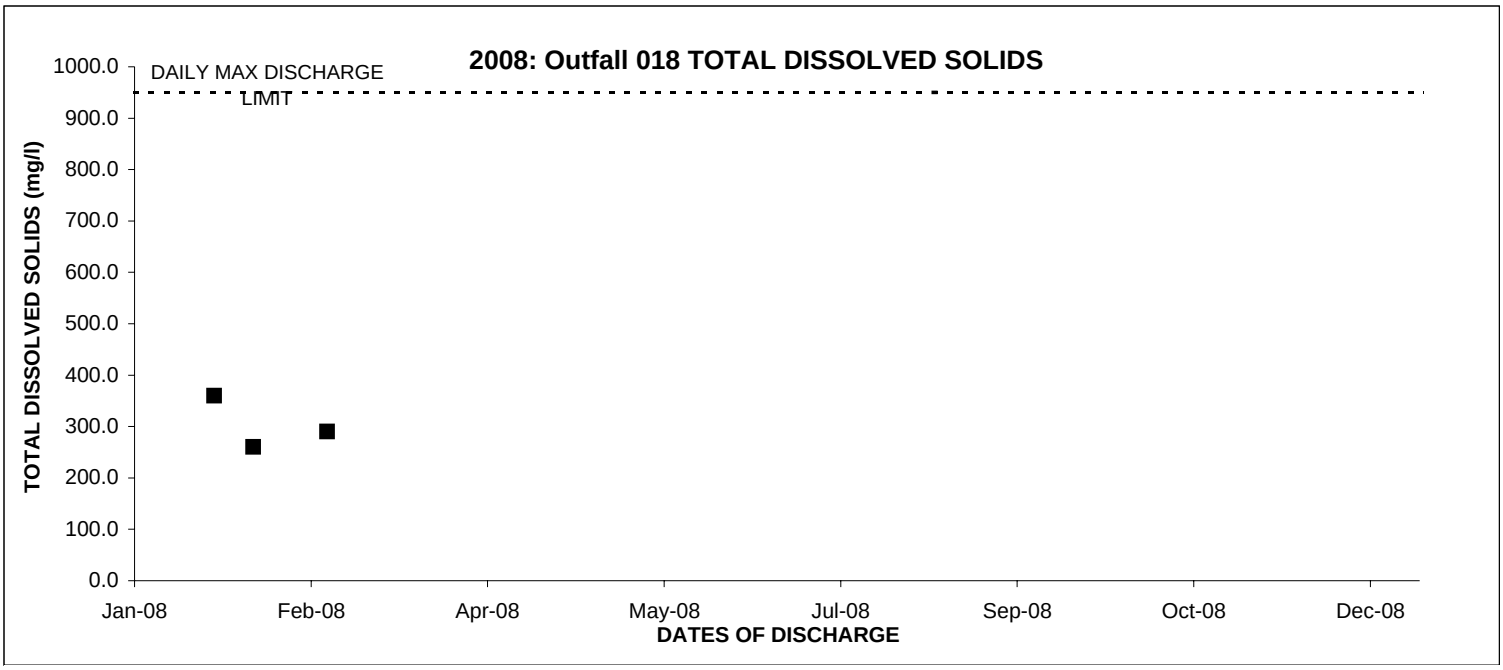

2008: Outfall 018 THALLIUM
2.5
2.0
1.5
1.0
0.5
0.0
DAILY MAX DISCHARGE LIMIT
THALLIUM (ug/l)
Jan-08
Feb-08
Apr-08
May-08
Jul-08
Sep-08
Oct-08
Dec-08
DATES OF DISCHARGE

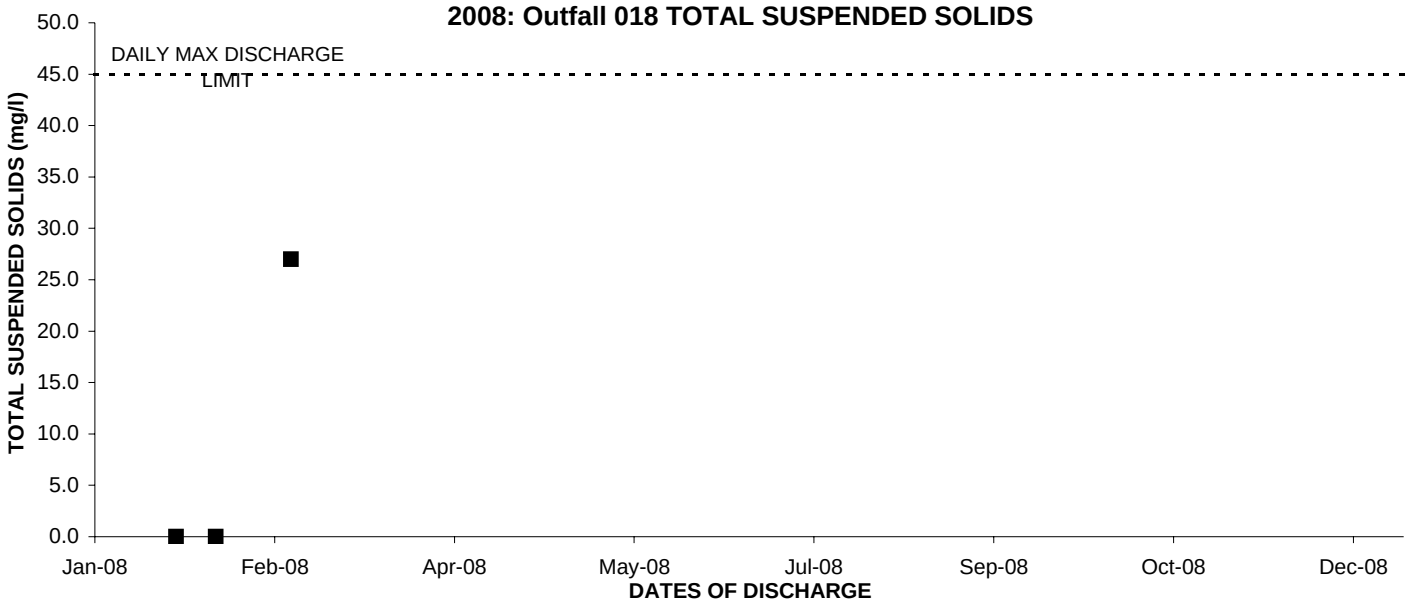


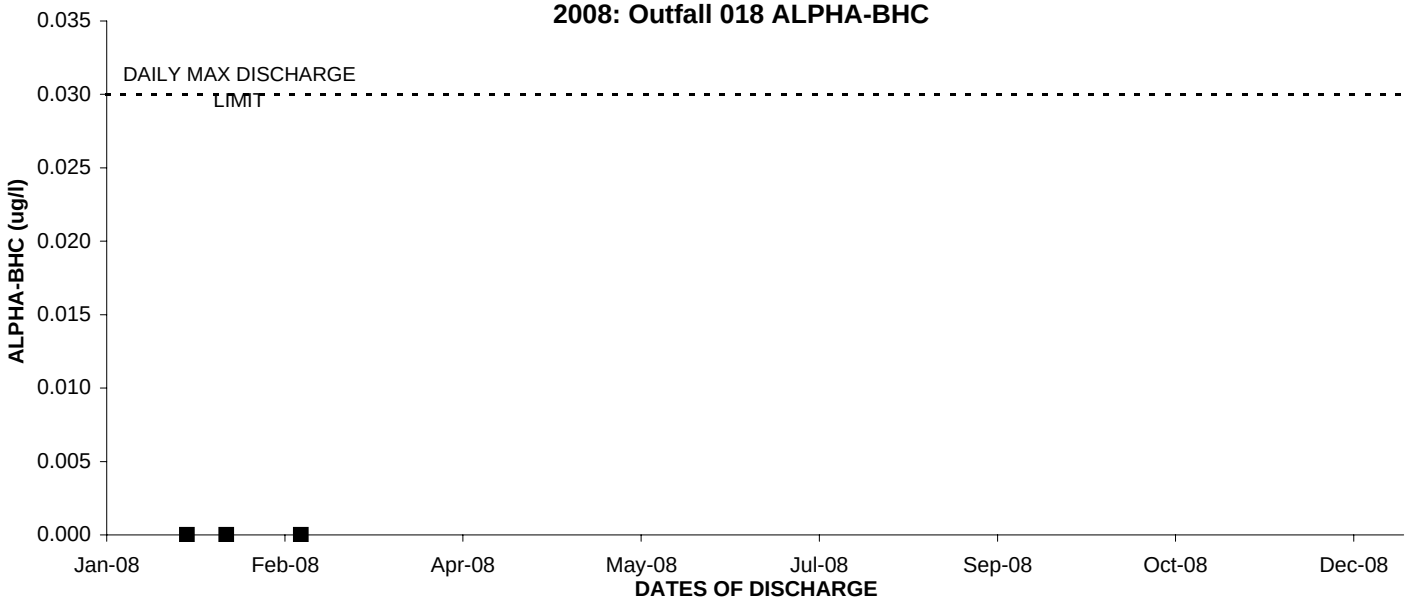

8
Dec-08

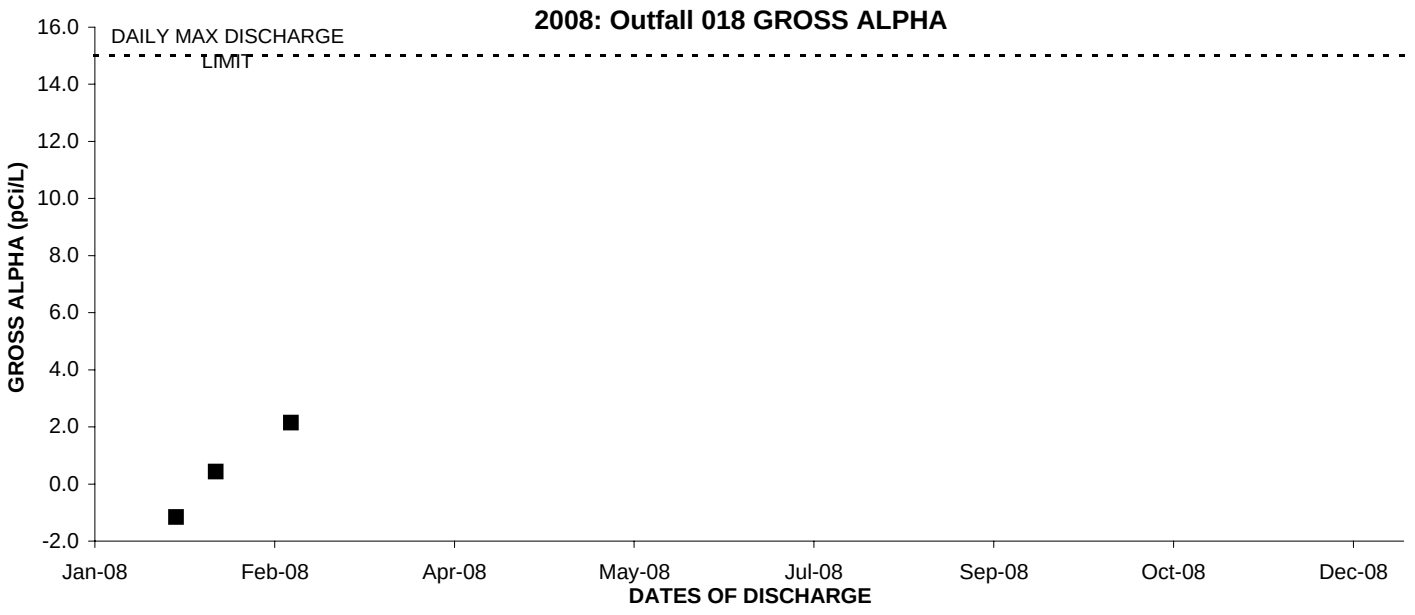

2008: Outfall 018 NITRATE + NITRITE AS NITROGEN (N)
DAILY MAX DISCHARGE LIMIT
NITRATE + NITRITE AS NITROGEN (N)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Jan-08
Feb-08
Apr-08
May-08
Jul-08
Sep-08
Oct-08
Dec-08
DATES OF DISCHARGE

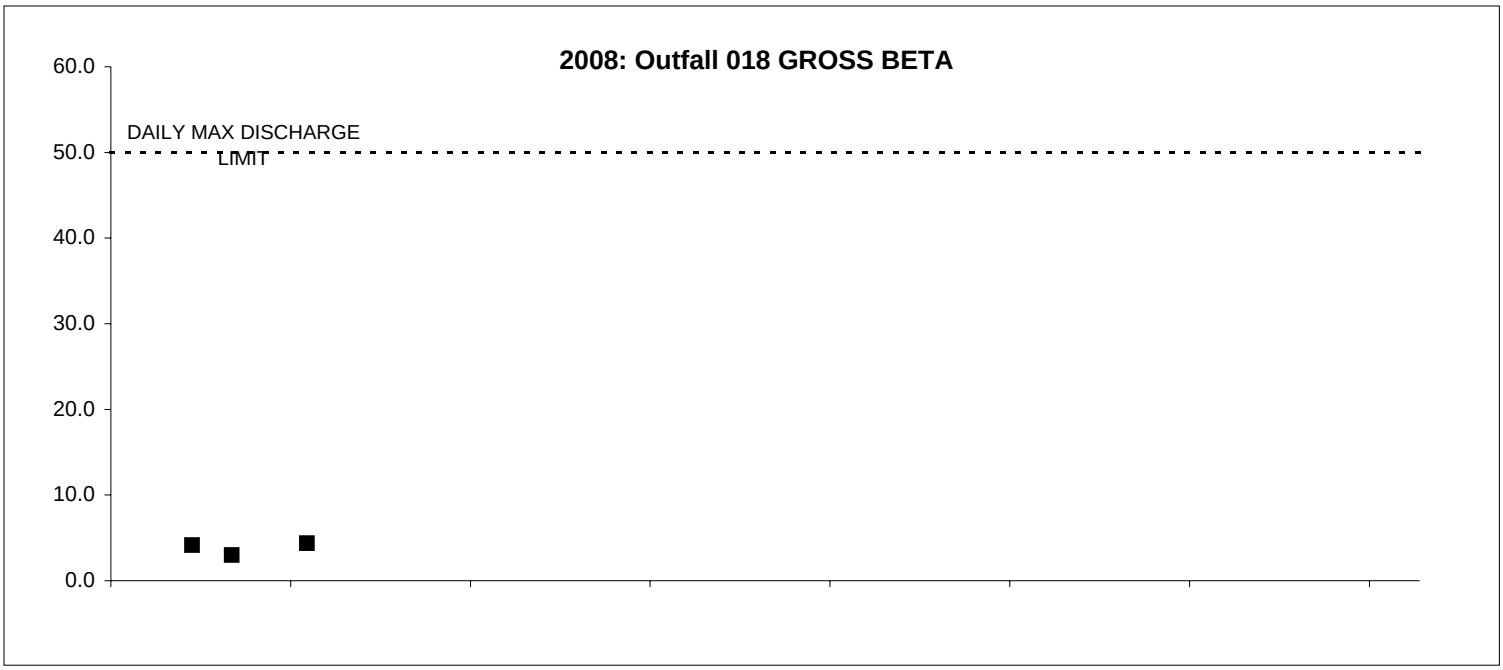

2008: Outfall 018 OIL & GREASE

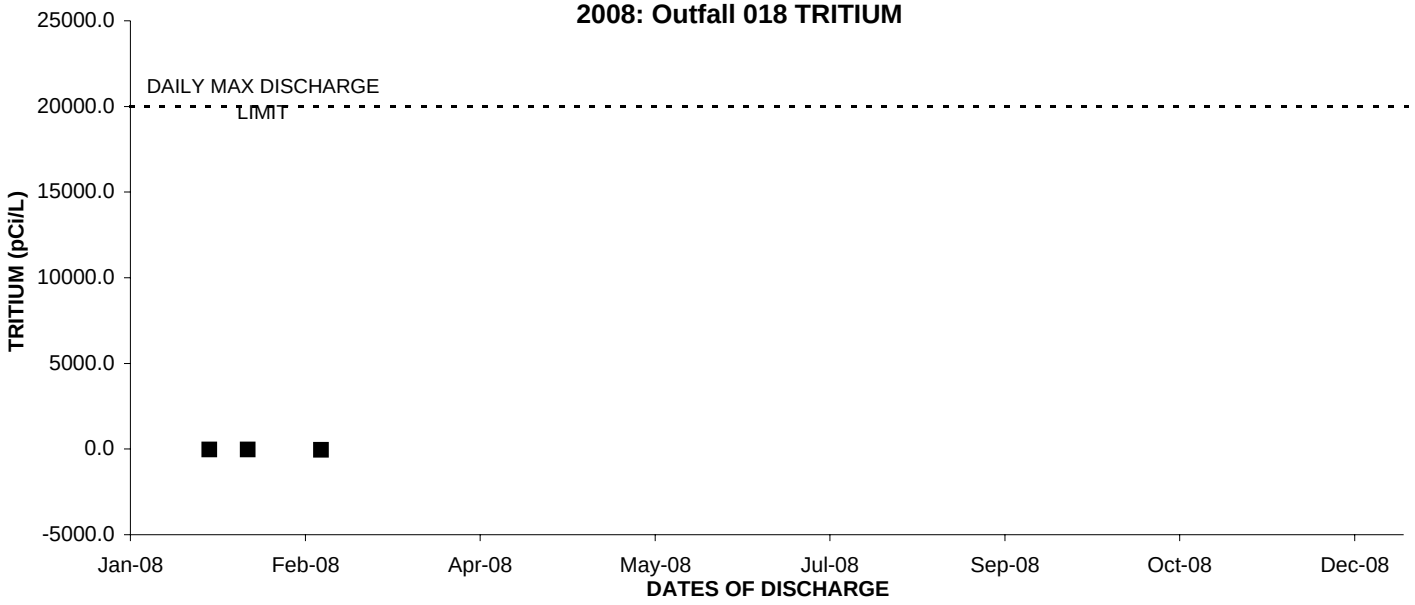

2008: Outfall 018 TOTAL DISSOLVED SOLIDS
DAILY MAX DISCHARGE LIMIT
TOTAL DISSOLVED SOLIDS (mg/l)
1000.0
900.0
800.0
700.0
600.0
500.0
400.0
300.0
200.0
100.0
0.0
Jan-08
Feb-08
Apr-08
May-08
Jul-08
Sep-08
Oct-08
Dec-08
DATES OF DISCHARGE

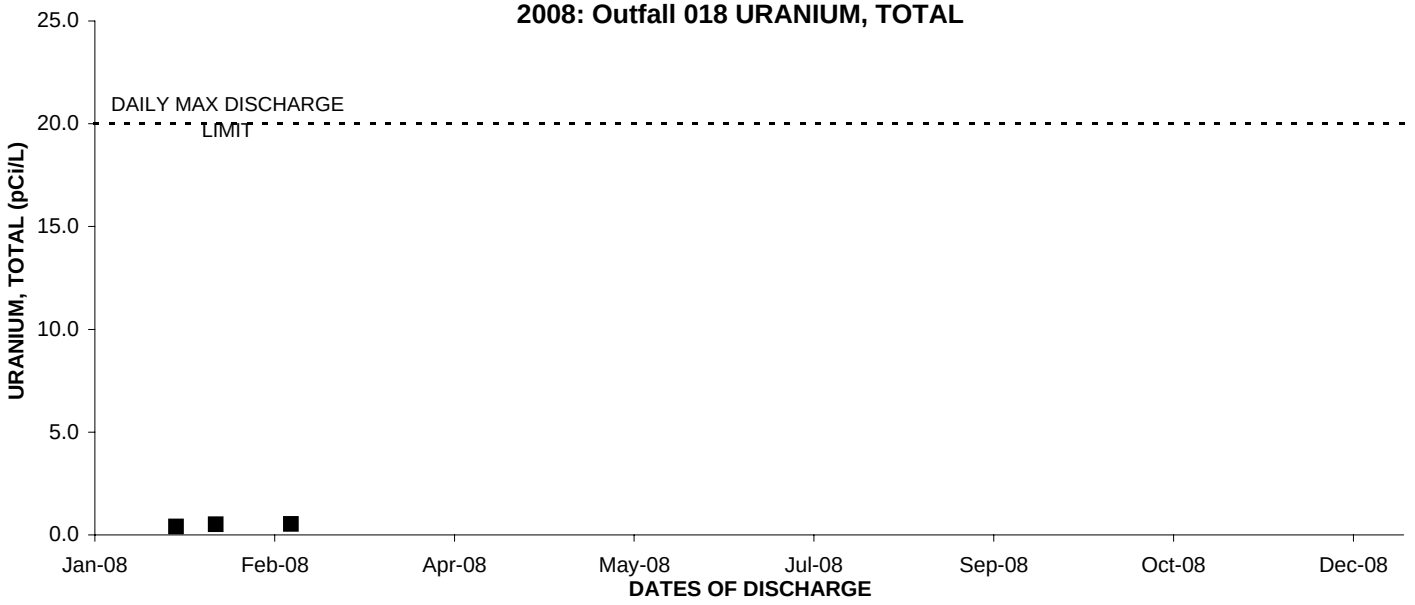

2008: Outfall 018 TOTAL SUSPENDED SOLIDS
DAILY MAX DISCHARGE LIMIT
TOTAL SUSPENDED SOLIDS (mg/l)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
Jan-08
Feb-08
Apr-08
May-08
Jul-08
Sep-08
Oct-08
Dec-08
DATES OF DISCHARGE

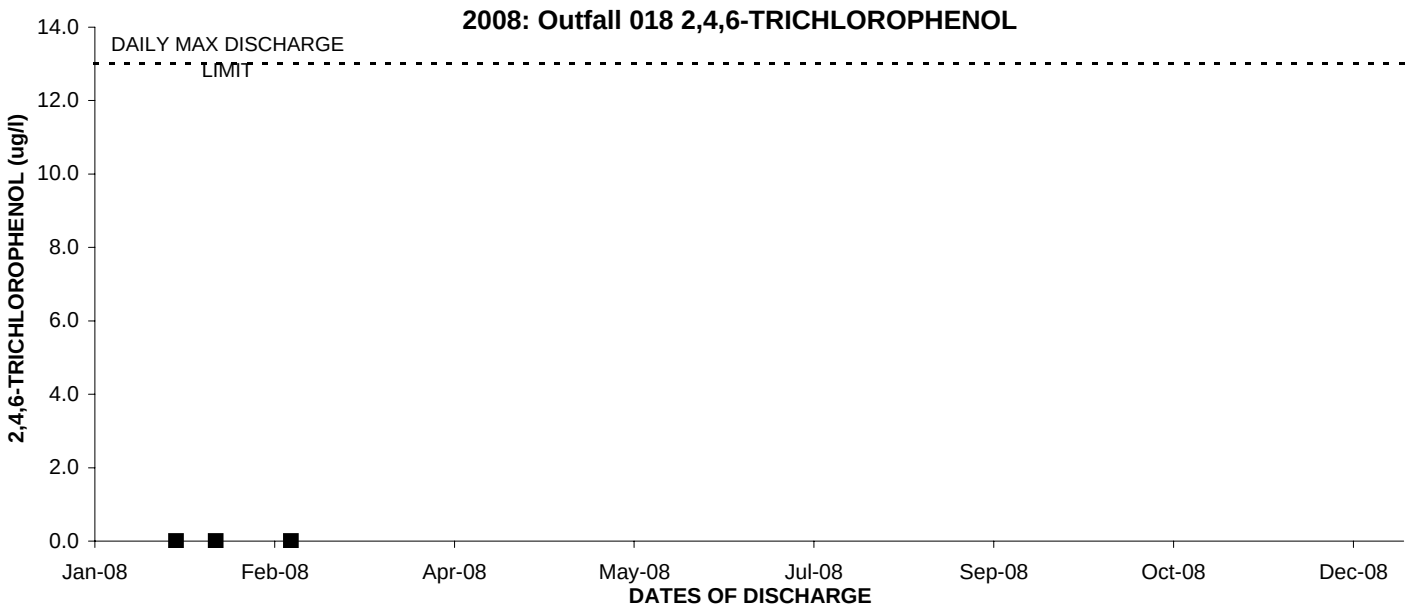

2008: Outfall 018 ALPHA-BHC
DAILY MAX DISCHARGE LIMIT
ALPHA-BHC (ug/l)
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
Jan-08
Feb-08
Apr-08
May-08
Jul-08
Sep-08
Oct-08
Dec-08
DATES OF DISCHARGE

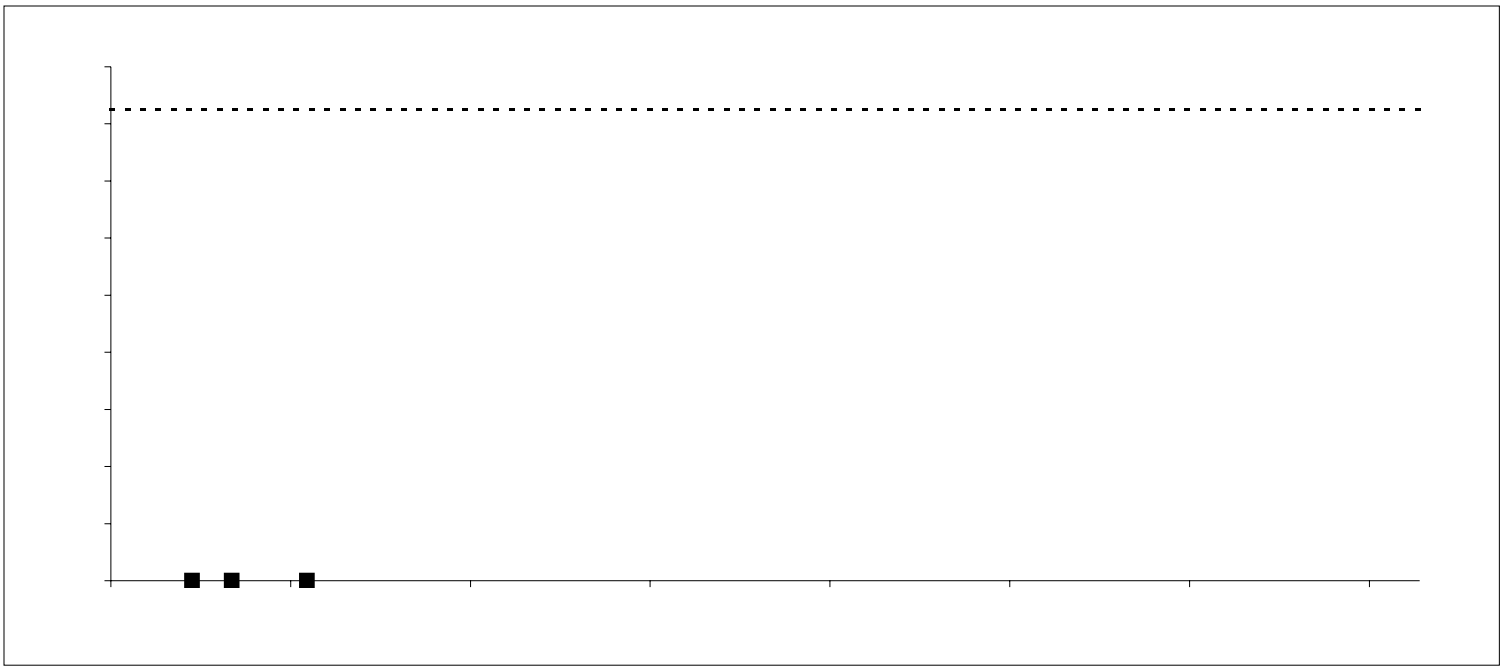

2008: Outfall 018 GROSS ALPHA
DAILY MAX DISCHARGE LIMIT
GROSS ALPHA (pCi/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
-2.0
Jan-08
Feb-08
Apr-08
May-08
Jul-08
Sep-08
Oct-08
Dec-08
DATES OF DISCHARGE


2008: Outfall 018 GROSS BETA
60.0
50.0
40.0
30.0
20.0
10.0
0.0
DAILY MAX DISCHARGE
LIMIT

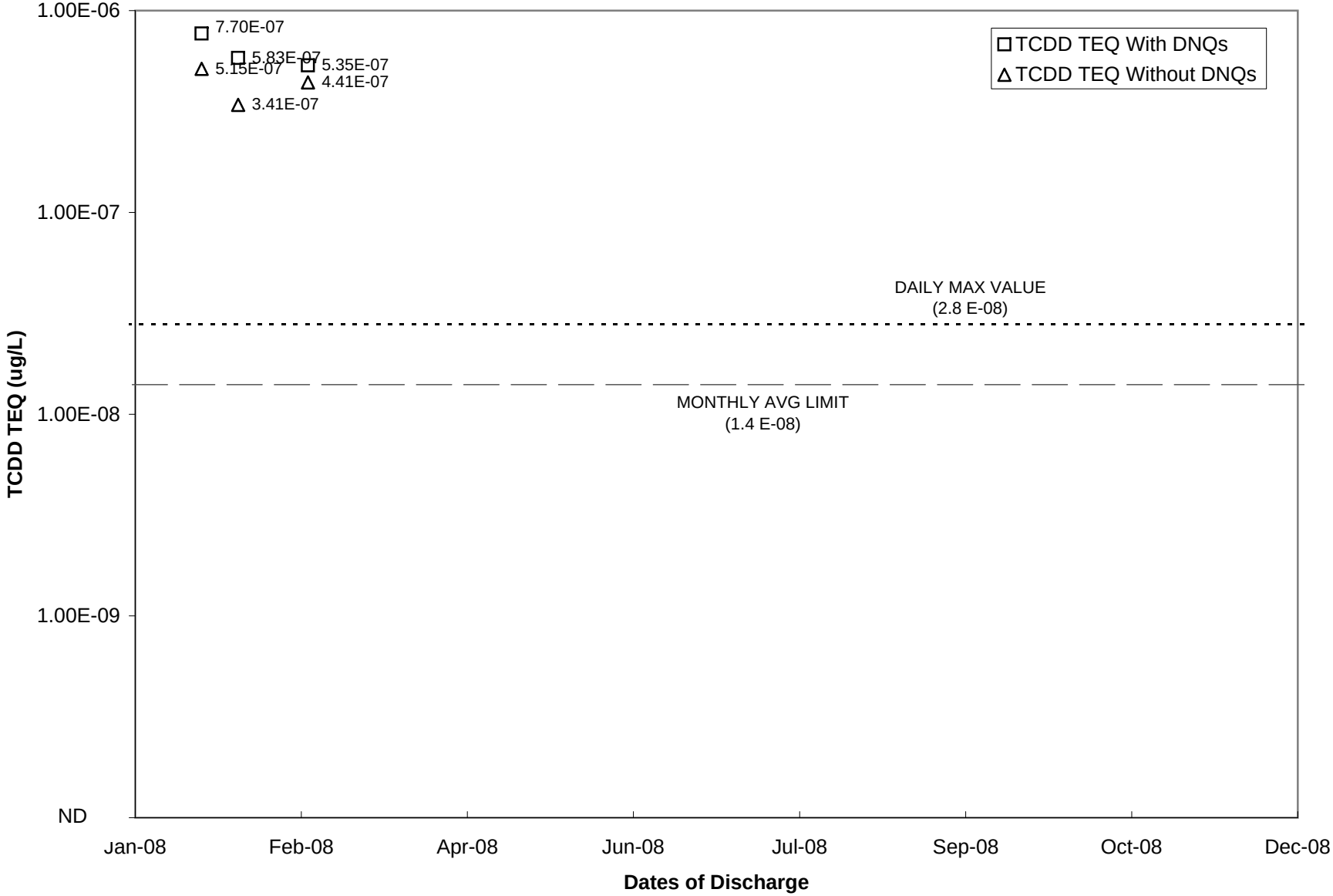

2008: Outfall 018 TRITIUM
25000.0
20000.0
15000.0
10000.0
5000.0
0.0
-5000.0
DAILY MAX DISCHARGE LIMIT
TRITIUM (pCi/L)
Jan-08
Feb-08
Apr-08
May-08
Jul-08
Sep-08
Oct-08
Dec-08
DATES OF DISCHARGE


2008: Outfall 018 URANIUM, TOTAL
25.0
20.0
15.0
10.0
5.0
0.0
DAILY MAX DISCHARGE LIMIT
URANIUM, TOTAL (pCi/L)
Jan-08
Feb-08
Apr-08
May-08
Jul-08
Sep-08
Oct-08
Dec-08
DATES OF DISCHARGE


2008: Outfall 018 2,4,6-TRICHLOROPHENOL
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
DAILY MAX DISCHARGE LIMIT
2,4,6-TRICHLOROPHENOL (ug/l)
Jan-08
Feb-08
Apr-08
May-08
Jul-08
Sep-08
Oct-08
Dec-08
DATES OF DISCHARGE



2008: Outfall 018 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.