

OUTFALL 003 (RMHF)

**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	1/25/2008		2/3/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Chloride	mg/L	150/-	9.4	*	17	*
Fluoride	mg/L	1.6/-	ANR	ANR	0.36	J* (DNQ)
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	2.4	*	1.8	*
Oil & Grease	mg/L	15/-	ND < 1.3	*	1.7	J* (DNQ)
Perchlorate	ug/L	6.0/-	ANR	ANR	ND < 1.5	*
pH (Field)	pH units	6.5-8.5/-	7.6	*	8.1	*
Sulfate	mg/L	250/-	18	*	38	*
Temperature	deg. F	86/-	48	*	51	*
Total Cyanide	ug/L	-/-	ANR	ANR	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	170	*	280	*
Hardness	mg/L	-/-	ANR	ANR	160	--
Hardness, dissolved	mg/L	-/-	ANR	ANR	160	--
Total Suspended Solids	mg/L	-/-	ANR	ANR	ND < 10	*
Volume Discharged	MGD	17.8/-	0.0077	*	0.0045	*
METALS						
Aluminum	ug/L	-/-	ANR	ANR	61	--
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ND < 40	U
Antimony	ug/L	6.0/-	0.26	J (DNQ)	0.42	J (DNQ)
Antimony, dissolved	ug/L	-/-	0.26	J (DNQ)	0.33	J (DNQ,*III)
Arsenic	ug/L	-/-	ANR	ANR	ND < 7.0	U
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ND < 7.0	U
Beryllium	ug/L	-/-	ANR	ANR	ND < 0.90	U
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ND < 0.90	U
Boron	mg/L	1.0/-	ANR	ANR	0.12	--
Boron, dissolved	mg/L	-/-	ANR	ANR	0.11	--
Calcium	mg/L	-/-	ANR	ANR	44	--
Calcium, Dissolved	mg/L	-/-	ANR	ANR	44	--
Cadmium	ug/L	4.0/-	0.19	J (DNQ)	0.19	J (DNQ)
Cadmium, dissolved	ug/L	-/-	0.16	J (DNQ)	ND < 0.11	U
Chromium	ug/L	-/-	ANR	ANR	2.2	J (DNQ)
Chromium, dissolved	ug/L	-/-	ANR	ANR	ND < 2.0	U
Copper	ug/L	14.0/-	3.3	--	3.4	--
Copper, dissolved	ug/L	-/-	2.8	--	2.5	--
Iron	mg/L	-/-	ANR	ANR	0.081	--
Iron, dissolved	mg/L	-/-	ANR	ANR	0.026	J (DNQ)
Lead	ug/L	5.2/-	0.44	J (DNQ)	ND < 0.30	U
Lead, dissolved	ug/L	-/-	ND < 0.30	U	ND < 0.30	UJ (*III)
Magnesium	mg/L	-/-	ANR	ANR	12	--
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	12	--
Mercury	ug/L	0.13/-	ND < 0.050	U	ND < 0.050	U
Mercury, dissolved	ug/L	-/-	ND < 0.050	U	ND < 0.050	U
Nickel	ug/L	100/-	ANR	ANR	2.3	J (DNQ)
Nickel, dissolved	ug/L	-/-	ANR	ANR	2.4	J (DNQ)
Selenium	ug/L	-/-	ANR	ANR	ND < 10	UJ (B)
Selenium, dissolved	ug/L	-/-	ANR	ANR	ND < 8.0	U

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ND < 3.8	*
2-Methylnaphthalene	ug/L	-/-	ANR	ANR	ND < 1.9	*
2-Methylphenol	ug/L	-/-	ANR	ANR	ND < 2.9	*
2-Nitrophenol	ug/L	-/-	ANR	ANR	ND < 3.4	*
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ND < 2.9	*
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 < 2.9	*
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ND < 2.4	*
4-Chloroaniline	ug/L	-/-	ANR	ANR	ND < 1.9	*
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ND < 2.4	*
4-Nitrophenol	ug/L	-/-	ANR	ANR	ND < 5.3	*
Acenaphthene	ug/L	-/-	ANR	ANR	ND < 2.9	*
Acenaphthylene	ug/L	-/-	ANR	ANR	ND < 2.9	*
Acrolein	ug/L	-/-	ANR	ANR	ND < 4.0	R (R)
Acrylonitrile	ug/L	-/-	ANR	ANR	ND < 0.70	UJ (C)
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	100	*
Aldrin	ug/L	-/-	ANR	ANR	ND < 0.0014	*
alpha-BHC	ug/L	-/-	ANR	ANR	ND < 0.0024	*
Aniline	ug/L	-/-	ANR	ANR	ND < 2.4	*
Anthracene	ug/L	-/-	ANR	ANR	ND < 1.9	*
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 < 8.2	L6*
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ND < 1.9	*
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ND < 1.9	*
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ND < 1.9	*
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR	ND < 3.8	*
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ND < 2.4	*
Benzoic acid	ug/L	-/-	ANR	ANR	ND < 9.6	*
Benzyl alcohol	ug/L	-/-	ANR	ANR	ND < 2.4	*
beta-BHC	ug/L	-/-	ANR	ANR	ND < 0.0038	*
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ND < 2.9	*
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ND < 3.8	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ND < 2.9	*
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ND < 2.4	*
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 < 3.8	*

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
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/-	1.0	*	1.0	*
Chrysene	ug/L	-/-	ANR	ANR	ND < 2.4	*
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ND < 0.22	U
Chlorpyrifos	ug/L	-/-	ANR	ANR	ND < 0.10	U
Diazinon	ug/L	-/-	ANR	ANR	ND < 0.24	UJ (H)
delta-BHC	ug/L	-/-	ANR	ANR	ND < 0.0033	*
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ND < 2.9	*
Dibenzofuran	ug/L	-/-	ANR	ANR	ND < 3.8	*
Dibromochloromethane	ug/L	-/-	ANR	ANR	ND < 0.28	U
Dieldrin	ug/L	-/-	ANR	ANR	ND < 0.0019	*
Diethylphthalate	ug/L	-/-	ANR	ANR	ND < 3.4	*
Dimethylphthalate	ug/L	-/-	ANR	ANR	ND < 1.9	*
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ND < 2.9	*
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ND < 3.4	*
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	*

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Phenanthrene	ug/L	-/-	ANR	ANR	ND < 3.4	*
Phenol	ug/L	-/-	ANR	ANR	ND < 1.9	*
p-Nitroaniline	ug/L	-/-	ANR	ANR	ND < 3.8	*
Pyrene	ug/L	-/-	ANR	ANR	ND < 3.8	*
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

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	1/25/2008		2/3/2008	
			Result	CONCENTRATION RESULT VALIDATION QUALIFIER	Result	CONCENTRATION RESULT VALIDATION QUALIFIER
Chloride	LBS/DAY	22,268/-	0.60	*	0.64	*
Fluoride	LBS/DAY	238/-	ANR	ANR	0.01	J* (DNQ)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	0.15	*	0.07	*
Oil & Grease	LBS/DAY	2,227/-	ND	*	0.06	J* (DNQ)
Perchlorate	LBS/DAY	0.89/-	ANR	ANR	ND	*
Sulfate	LBS/DAY	37,113/-	1.16	*	1.43	*
Total Dissolved Solids	LBS/DAY	126,184/-	10.92	*	10.51	*
Antimony	LBS/DAY	0.89/-	0.00002	J (DNQ)	0.00002	J (DNQ)
Boron	LBS/DAY	148/-	ANR	ANR	0.0045	--
Cadmium	LBS/DAY	0.59/-	0.00001	J (DNQ)	0.00001	J (DNQ)
Copper	LBS/DAY	2.08/-	0.00021	--	0.00013	--
Lead	LBS/DAY	0.77/-	0.00003	J (DNQ)	ND	U
Mercury	LBS/DAY	0.02/-	ND	U	ND	U
Nickel	LBS/DAY	14.9/-	ANR	ANR	0.0001	J (DNQ)
Thallium	LBS/DAY	0.3/-	ND	U	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	4.2E-09/-	3.54E-13	--	ND	--

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

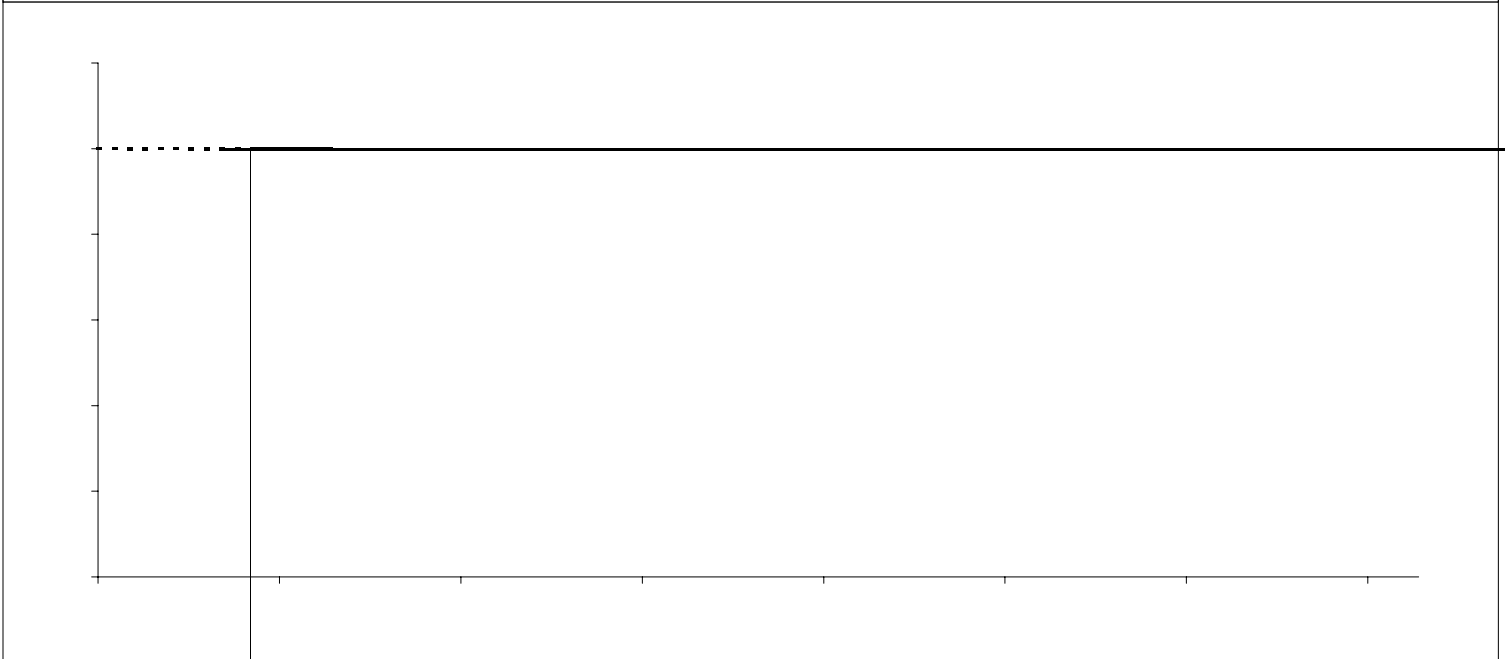
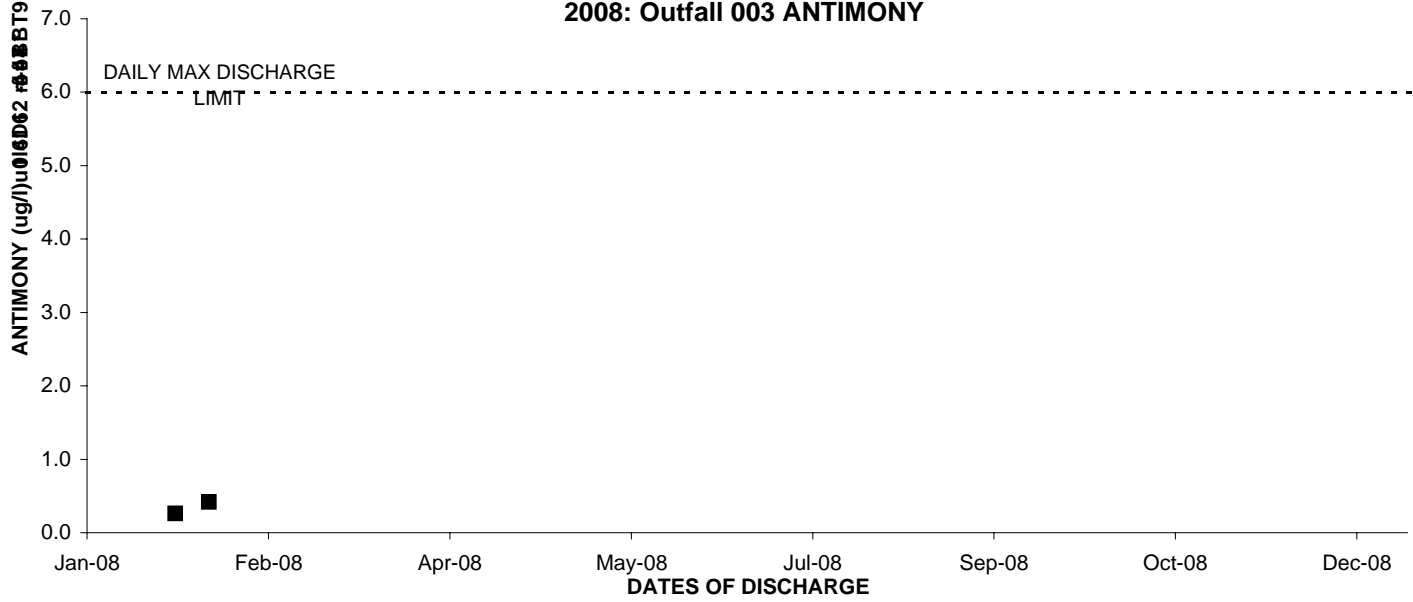
**OUTFALL 003 (RMHF)
BMP EFFECTIVENESS**

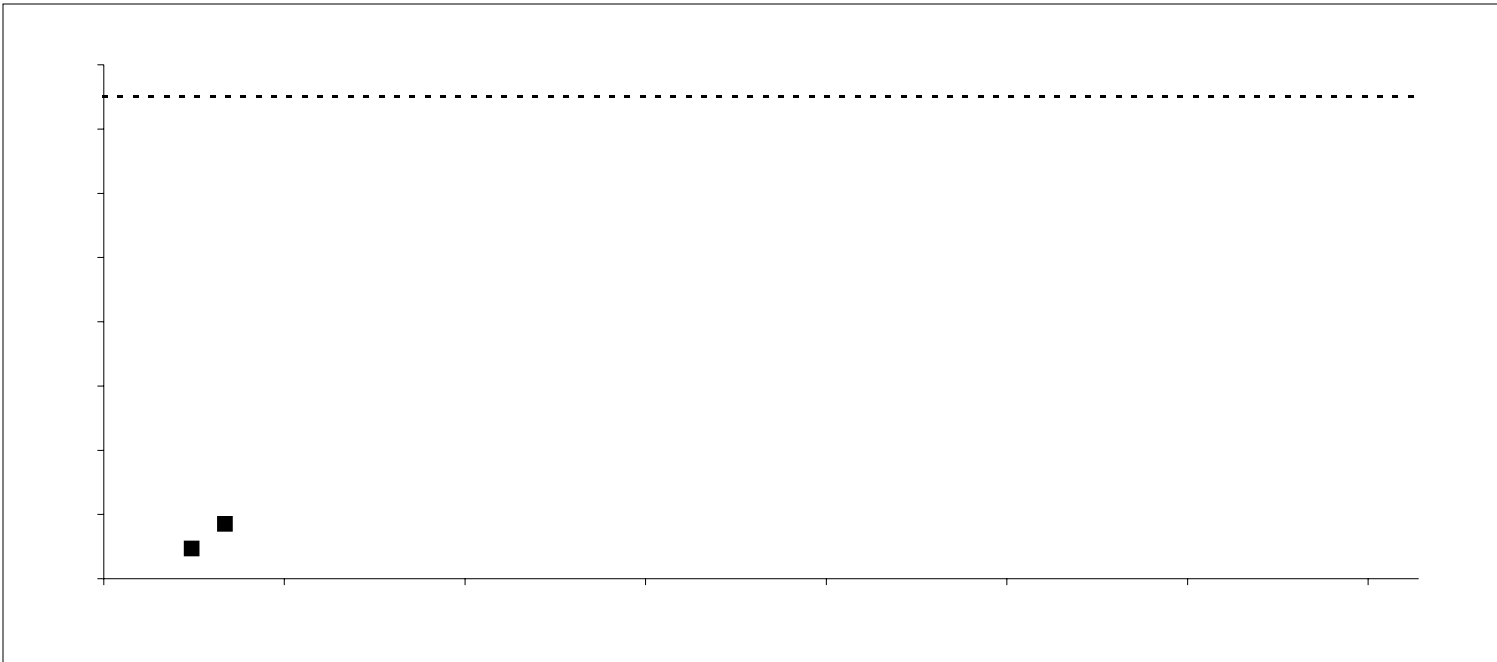
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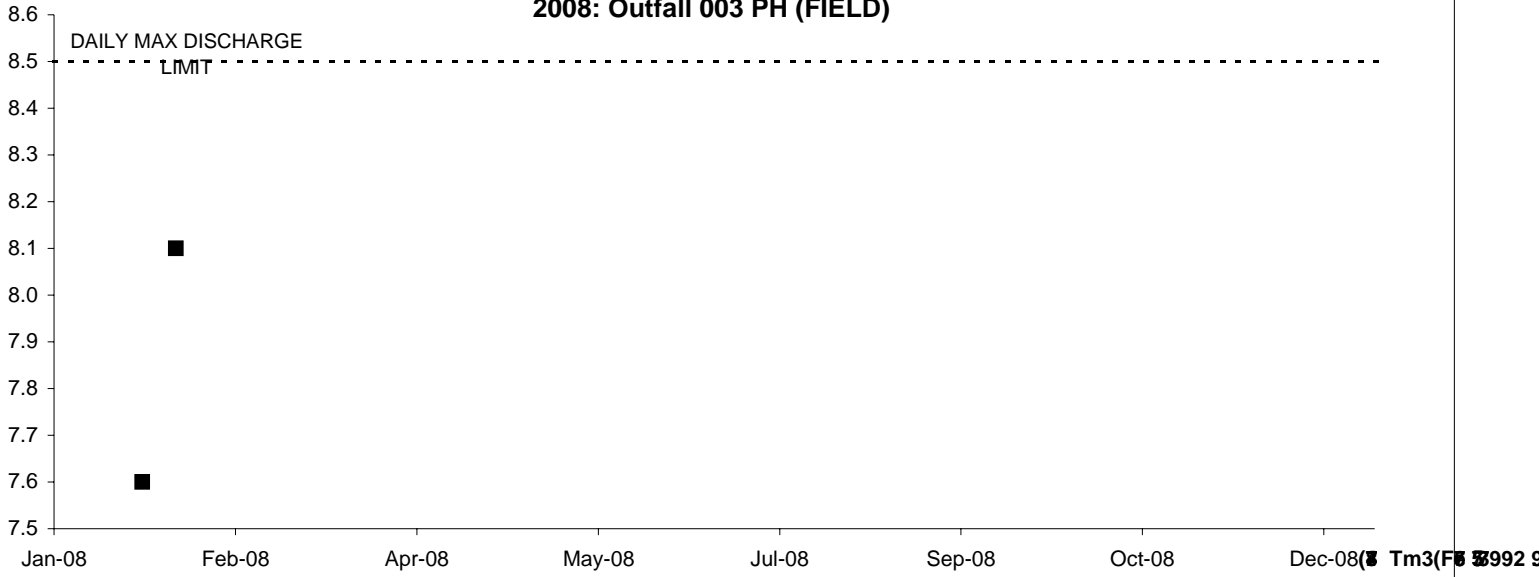
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ANALYTE	UNITS		
Density	g/cc	0.99*	1.0*
Sediment	mg/L	ND <10*	ND <10*

2008: Outfall 003 ANTIMONY





2008: Outfall 003 PH (FIELD)

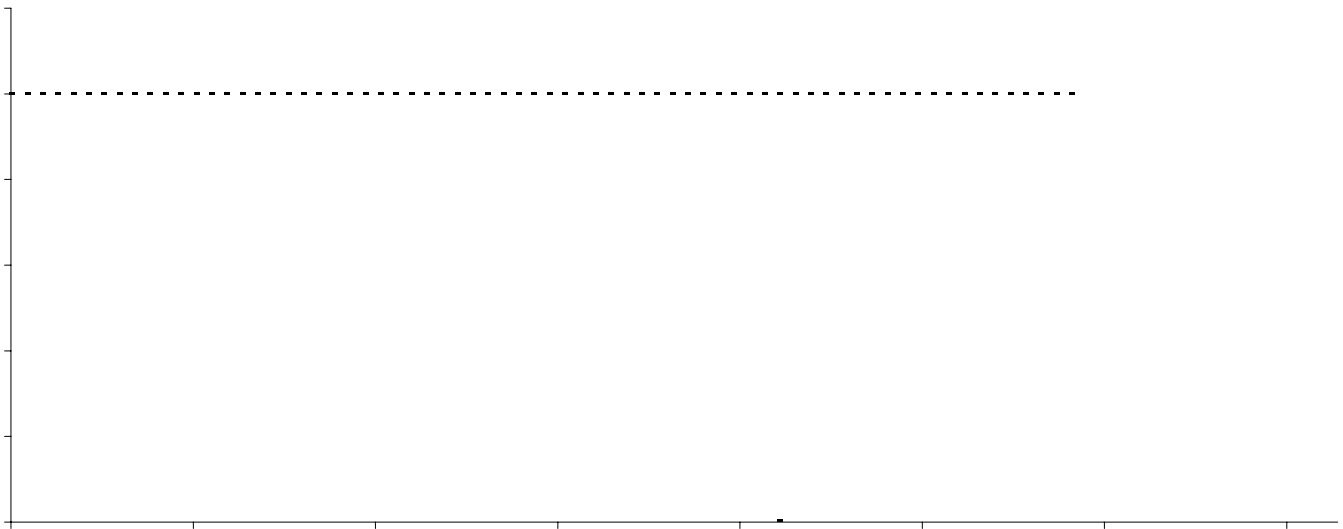
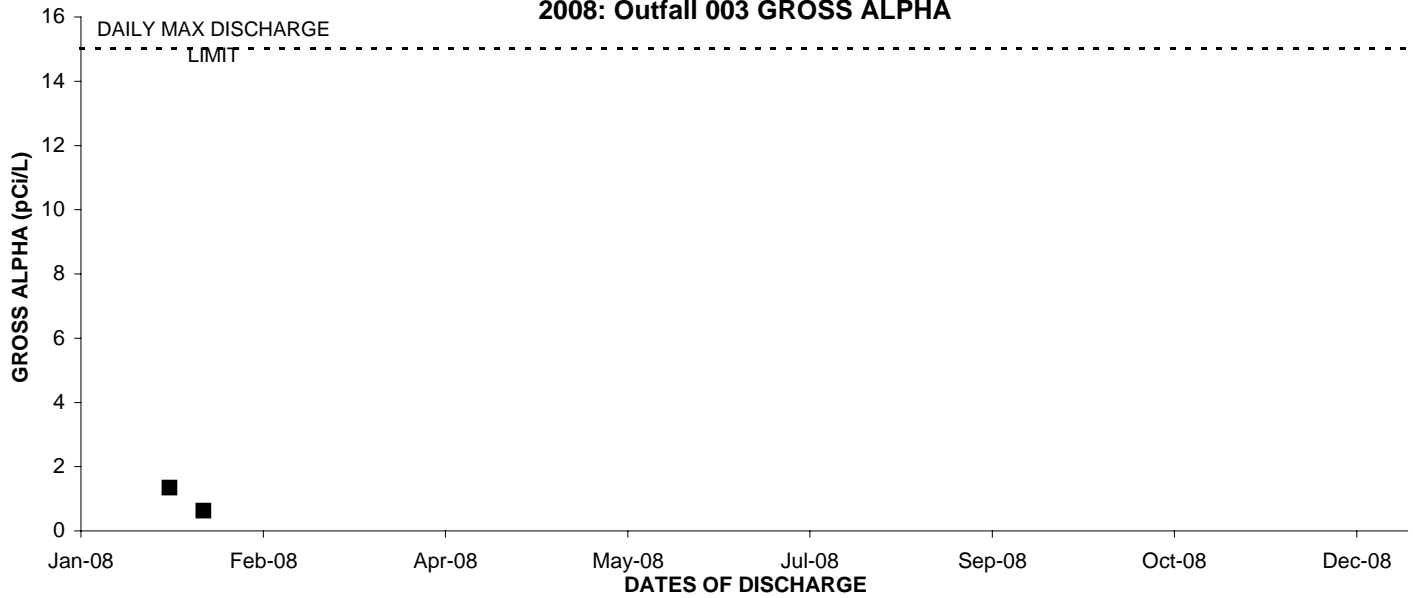


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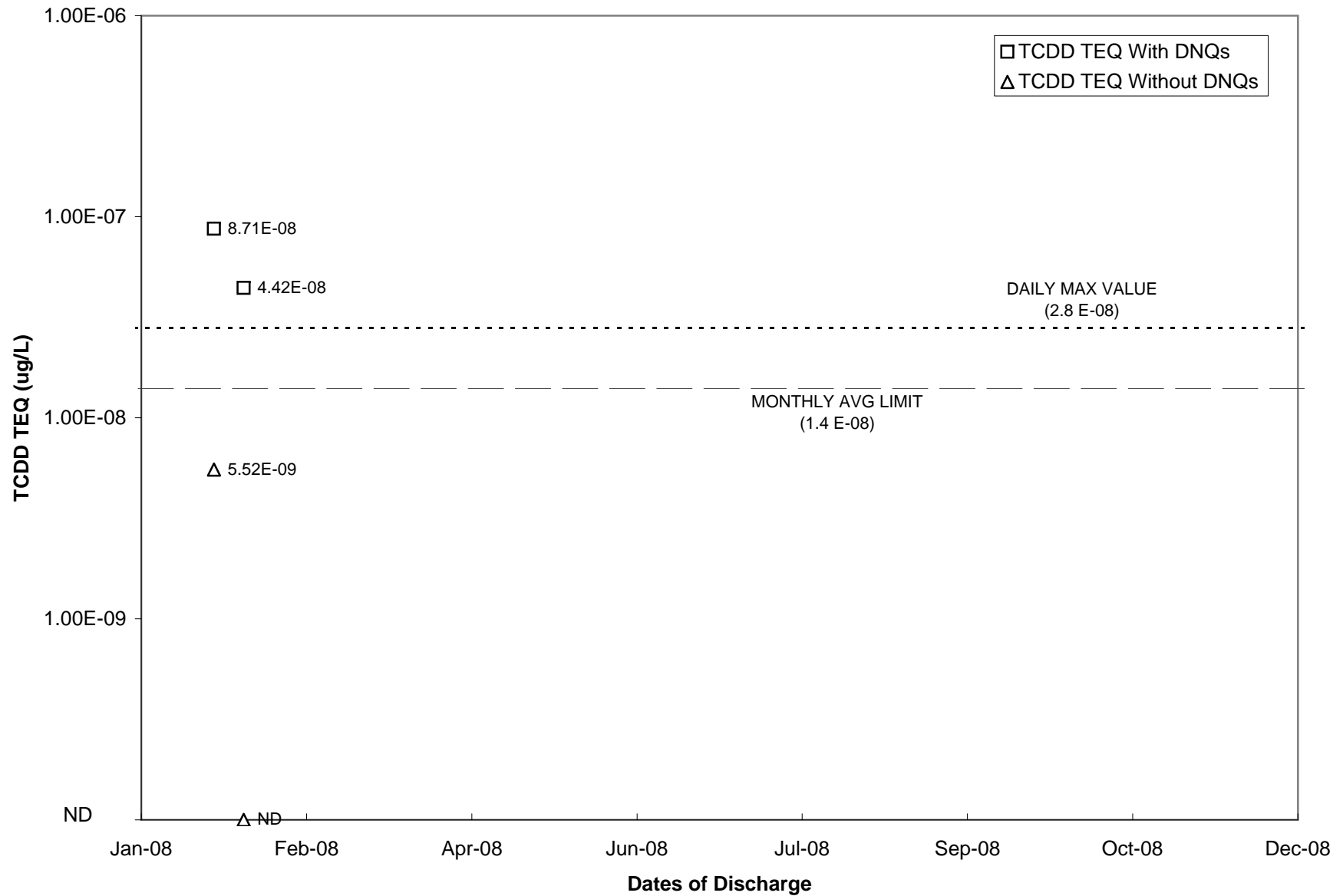
2008: Outfall 003 TOTAL DISSOLVED SOLIDS



2008: Outfall 003 GROSS ALPHA



2008: Outfall 003 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.