

OUTFALL 009 (WS-13 Drainage)

**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		1/24/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Asbestos	MFL	-/-	ANR	ANR	ANR	ANR
Chloride	mg/L	150/-	7.8	*	7.6	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	2.5	*	1.4	*
Oil & Grease	mg/L	15/-	ND < 1.4	*	ND < 1.3	*
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	7.8	*	7.4	*
Sulfate	mg/L	250/-	12	*	10	*
Temperature	deg. F	86/-	51	*	44	*
Total Cyanide	ug/L	-/-	ANR	ANR	ANR	ANR
Total Dissolved Solids	mg/L	850/-	120	*	120	*
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	ANR	ANR	ANR	ANR
Volume Discharged	MGD	17.8/-	NR	*	NR	*
METALS						
Aluminum	ug/L	-/-	ANR	ANR	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Antimony	ug/L	6.0/-	1.0	J (DNQ)	0.87	J (DNQ)
Antimony, dissolved	ug/L	-/-	0.92	J (DNQ)	0.92	J (DNQ)
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/-	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	ND < 0.11	U	ND < 0.11	U
Cadmium, dissolved	ug/L	-/-	ND < 0.11	U	ND < 0.11	U
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	14.0/-	5.8	--	4.6	--
Copper, dissolved	ug/L	-/-	4.6	--	3.6	--
Iron	mg/L	-/-	ANR	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/-	2.3	--	1.3	--
Lead, dissolved	ug/L	-/-	0.78	J (DNQ)	0.37	J (DNQ)
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
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	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR	ANR

and other explanations for the data presented.

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ND < 0.20	U	ND < 0.20	U
Thallium, dissolved	ug/L	-/-	ND < 0.20	U	ND < 0.20	U
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR	ANR
Zinc, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
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
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
ADDITIONAL ANALYTES						
Diazinon	ug/L	-/-	ANR	ANR	ANR	ANR
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-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
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

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
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	ANR	ANR	ANR			
4-Chloroaniline	ug/L-/-	ANR	ANR	ANR	ANR	
4-Nitrophenol	ANR	ANR	ANR	ANR		

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
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
Chlorpyrifos	ug/L	-/-	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	1.0	*	1.0	*
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
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
m-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	ANR
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

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1/5/2008

1/24/2008

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ANALYTE	UNITS	Benchmark Limit Daily Max/Monthly Avg
Asbestos	MFL	-/-
Chloride	mg/L	150/-
Fluoride	mg/L	1.6/-
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-
Oil & Grease	mg/L	15/-
Perchlorate	ug/L	6.0/-
pH (Field)	pH units	6.5-8.5/-
Sulfate	mg/L	250/-
Temperature	deg. F	86/-
Total Cyanide	ug/L	-/-
Total Dissolved Solids	mg/L	850/-
Hardness	mg/L	-/-
Hardness, dissolved	mg/L	-/-
Total Suspended Solids	mg/L	-/-
Volume Discharged	MGD	17.8/-
METALS		
Aluminum	ug/L	-/-
Aluminum, dissolved	ug/L	-/-
Antimony	ug/L	6.0/-
Antimony, dissolved	ug/L	-/-
Arsenii8JT*8JT*T sF22c1(Fi3-/-)048JT*T sF22c1(Fi3-/-		

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ANALYTE	UNITS	Benchmark Limit Daily Max/Monthly Avg
Selenium, dissolved	ug/L	-/-

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NPDES PERMIT CA0001309**

January 1 through December 31, 2008

ANALYTE	UNITS	Benchmark Limit Daily Max/Monthly Avg	2/3/2008		2/22/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
2-Chloronaphthalene	ug/L	-/-	ND < 2.9	*	ANR	ANR
2-Chlorophenol	ug/L	-/-	ND < 2.9	*	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ND < 3.8	*	ANR	ANR
2-Methylnaphthalene	ug/L	-/-	ND < 1.9	*	ANR	ANR
2-Methylphenol	ug/L	-/-	ND < 2.9	*	ANR	ANR
2-Nitrophenol	ug/L	-/-	ND < 3.3	*	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ND < 2.9	*	ANR	ANR
4,4'-DDD	ug/L	-/-	ND < 0.0019	*	ANR	ANR
4,4'-DDE	ug/L	-/-	ND < 0.0028	*	ANR	ANR
4,4'-DDT	ug/L	-/-	ND < 0.0038	*	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ND < 2.9	*	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ND < 2.4	*	ANR	ANR
4-Chloroaniline	ug/L	-/-	ND < 1.9	*	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ND < 2.4	*	ANR	ANR
4-Nitrophenol	ug/L	-/-	ND < 5.3	*	ANR	ANR
Acenaphthene	ug/L	-/-	ND < 2.9	*	ANR	ANR
Acenaphthylene	ug/L	-/-	ND < 2.9	*	ANR	ANR
Acrolein	ug/L	-/-	ND < 4.0	*	ANR	ANR
Acrylonitrile	ug/L	-/-	ND < 0.70	*	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	100	*	ANR	ANR
Aldrin	ug/L	-/-	ND < 0.0014	*	ANR	ANR
alpha-BHC	ug/L	-/-	ND < 0.0024	*	ANR	ANR
Aniline	ug/L	-/-	ND < 2.4	*	ANR	ANR
Anthracene	ug/L	-/-	ND < 1.9	*	ANR	ANR
Aroclor-1016	ug/L	-/-	ND < 0.42	*	ANR	ANR
Aroclor-1221	ug/L	-/-	ND < 0.24	*	ANR	ANR
Aroclor-1232	ug/L	-/-	ND < 0.24	*	ANR	ANR
Aroclor-1242	ug/L	-/-	ND < 0.24	*	ANR	ANR
Aroclor-1248	ug/L	-/-	ND < 0.24	*	ANR	ANR
Aroclor-1254	ug/L	-/-	ND < 0.24	*	ANR	ANR
Aroclor-1260	ug/L	-/-	ND < 0.28	*	ANR	ANR
Benzidine	ug/L	-/-	ND < 8.1	L6*	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ND < 1.9	*	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ND < 1.9	*	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ND < 1.9	*	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ND < 3.8	*	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ND < 2.4	*	ANR	ANR
Benzoic acid	ug/L	-/-	ND < 9.6	*	ANR	ANR
Benzyl alcohol	ug/L	-/-	ND < 2.4	*	ANR	ANR
beta-BHC	ug/L	-/-	ND < 0.0038	*	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ND < 2.9	*	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ND < 3.8	*	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ND < 2.9	*	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ND < 2.4	*	ANR	ANR
Bromodichloromethane	ug/L	-/-	ND < 0.30	*	ANR	ANR
Bromoform	ug/L	-/-	ND < 0.40	*	ANR	ANR

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Bromomethane	ug/L	-/-	ND < 0.42	*	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ND < 3.8	*	ANR	ANR
Chlordane	ug/L	-/-	ND < 0.028	*	ANR	ANR
Chlorobenzene	ug/L	-/-	ND < 0.36	*	ANR	ANR
Chloroethane	ug/L	-/-	ND < 0.40	*	ANR	ANR
Chloromethane	ug/L	-/-	ND < 0.40	*	ANR	ANR
Chlorpyrifos	ug/L	-/-	ND < 0.10	U	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ND < 2.4	*	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ND < 0.22	*	ANR	ANR
delta-BHC	ug/L	-/-	ND < 0.0033	*	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ND < 2.9	*	ANR	ANR
Dibenzofuran	ug/L	-/-	ND < 3.8	*	ANR	ANR
Dibromochloromethane	ug/L	-/-	ND < 0.28	*	ANR	ANR
Dieldrin	ug/L	-/-	ND < 0.0019	*	ANR	ANR
Diethylphthalate	ug/L	-/-	ND < 3.3	*	ANR	ANR
Dimethylphthalate	ug/L	-/-	ND < 1.9	*	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ND < 2.9	*	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ND < 3.3	*	ANR	ANR
Endosulfan I	ug/L	-/-	ND < 0.0019	*	ANR	ANR
Endosulfan II	ug/L	-/-	ND < 0.0028	*	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ND < 0.0028	*	ANR	ANR
Endrin	ug/L	-/-	ND < 0.0019	*	ANR	ANR
Endrin aldehyde	ug/L	-/-	ND < 0.0019	*	ANR	ANR
Endrin ketone	ug/L	-/-	ND < 0.0028	*	ANR	ANR
Fluoranthene	ug/L	-/-	ND < 2.9	*	ANR	ANR
Fluorene	ug/L	-/-	ND < 2.9	*	ANR	ANR
Heptachlor	ug/L	-/-	ND < 0.0028	*	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ND < 0.0024	*	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ND < 2.9	*	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ND < 3.8	*	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ND < 4.8	*	ANR	ANR
Hexachloroethane	ug/L	-/-	ND < 3.3	*	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ND < 3.3	*	ANR	ANR
Isophorone	ug/L	-/-	ND < 2.4	*	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ND < 0.0028	*	ANR	ANR
Methoxychlor	ug/L	-/-	ND < 0.0033	*	ANR	ANR
Methylene Chloride	ug/L	-/-	ND < 0.95	*	ANR	ANR
m-Nitroaniline	ug/L	-/-	ND < 2.9	*	ANR	ANR
Naphthalene	ug/L	-/-	ND < 2.9	*	ANR	ANR
Nitrobenzene	ug/L	-/-	ND < 2.4	*	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ND < 2.4	*	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ND < 3.3	*	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ND < 1.9	*	ANR	ANR
o-Nitroaniline	ug/L	-/-	ND < 1.9	*	ANR	ANR
p-Cresol	ug/L	-/-	ND < 2.9	*	ANR	ANR

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY**

OUTFALL 009 (WS-13 Drainage)

**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	11/26/2008		12/15/2008	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Asbestos	MFL	-/-	ANR	ANR	ANR	ANR
Chloride	mg/L	150/-	5.6	*	11	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	0.95	*	0.87	*
Oil & Grease	mg/L	15/-	2.8	J* (DNQ)	3.9	B, J* (DNQ)
Perchlorate	ug/L	6.0/-	ND < 0.90	*	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	7.2	*	7.2	*
Sulfate	mg/L	250/-	23	*	10	*
Temperature	deg. F	86/-	55	*	47	*
Total Cyanide	ug/L	-/-	ANR	ANR	ANR	ANR
Total Dissolved Solids	mg/L	850/-	110	*	100	*
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	ANR	ANR	ANR	ANR
Volume Discharged	MGD	17.8/-	0.06926	ANR	0.408315	ANR
METALS						
Aluminum	ug/L	-/-	ANR	ANR	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Antimony	ug/L	6.0/-	0.59	J* (DNQ)	ND < 2.0	U (B)
Antimony, dissolved	ug/L	-/-	0.50	J* (DNQ)	ND < 2.0	U (B)
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/-	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	0.64	J* (DNQ)	0.54	J (DNQ)
Cadmium, dissolved	ug/L	-/-	ND < 0.11	*	0.14	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	14.0/-	6.7	B*	12	--
Copper, dissolved	ug/L	-/-	4.8	*	ND < 5.2	U (B)
Iron	mg/L	-/-	ANR	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/-	2.5	*	19	--
Lead, dissolved	ug/L	-/-	0.42	J* (DNQ)	1.1	--
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Mercury	ug/L	0.13/-	0.055	J (*III, DNQ)	0.073	J (DNQ)
Mercury, dissolved	ug/L	-/-	ND < 0.027	UJ (*III)	ND < 0.027	U
Nickel	ug/L	100/-	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR	ANR

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
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
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

OUTFALL 009 (WS-13 Drainage)

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OUTFALL 009 (WS-13 Drainage)

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SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2008

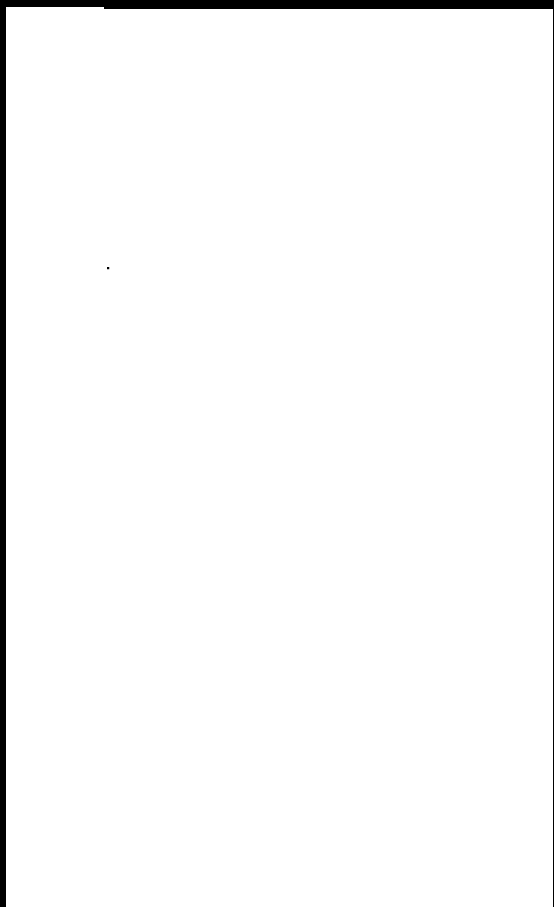
ANALYTE	UNITS	Benchmark Limit Daily Max/Monthly Avg
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OUTFALL 009 (DTSC SPLIT)

**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	1/5/2008	
			RESULT	VALIDATION QUALIFIER
Asbestos	MF/L	-/-	ND < 2.2	*



OUTFALL 009 (WS-13 Drainage)

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

Sample Date December 15, 2008

OUTFALL 009 (WS-13 Drainage)

**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			1/24/2008			2/3/2008		
			RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER
RADIOACTIVITY											
Gross Alpha	pCi/L	15/-	0.641 ± 0.56	0.84	UJ (R)	0.769 ± 0.39	0.40	J (R,0)	0.697 ± 0.44	0.60	J (R)
Gross Beta	pCi/L	50/-	2.91 ± 0.66	0.95	--	1.47 ± 0.55	0.84	--	2.09 ± 0.86	1.4	--
Strontium-90	pCi/L	8.0/-	-0.270 ± 0.40	1.1	U	0.195 ± 0.45	0.97	U	0.287 ± 0.37	0.75	UJ (H)
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.029 ± 0.46	1.24	U	-0.080 ± 0.435	1.22	U	1.882 ± 0.66	1.23	J (H)
Tritium	pCi/L	20000/-	-38.2 ± 86	150	U	-89.1 ± 92	160	U	-65.8 ± 87	150	U
Uranium, Total	pCi/L	20/-	0.107 ± 0.015	0.021	--	0.108 ± 0.015	0.022	--	0.205 ± 0.025	0.022	J (H)
Potassium-40	pCi/L	----	ND < 40	40	U	ND < 12	12	U	ND < 5.6	5.6	UJ (H)
Cesium 137	pCi/L	----	ND < 1.5	1.5	U	ND < 0.61	0.61	U	ND < 0.60	0.60	UJ (H)

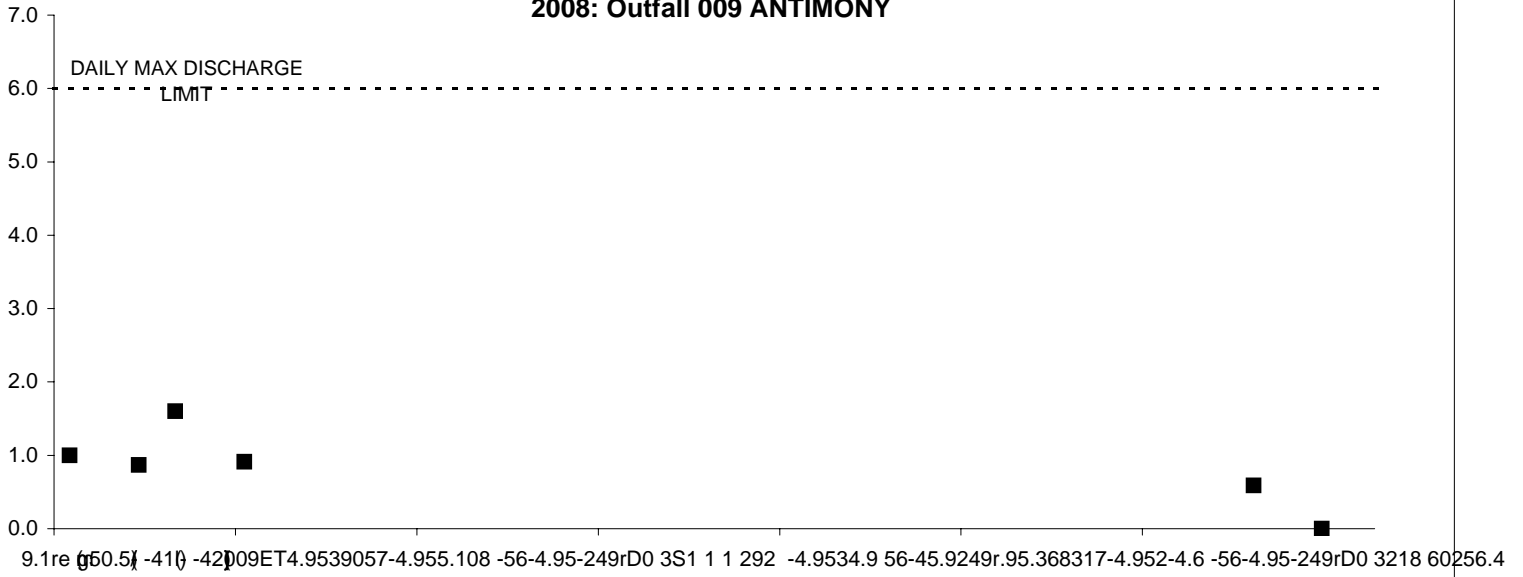
OUTFALL 009 (WS-13 Drainage)

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

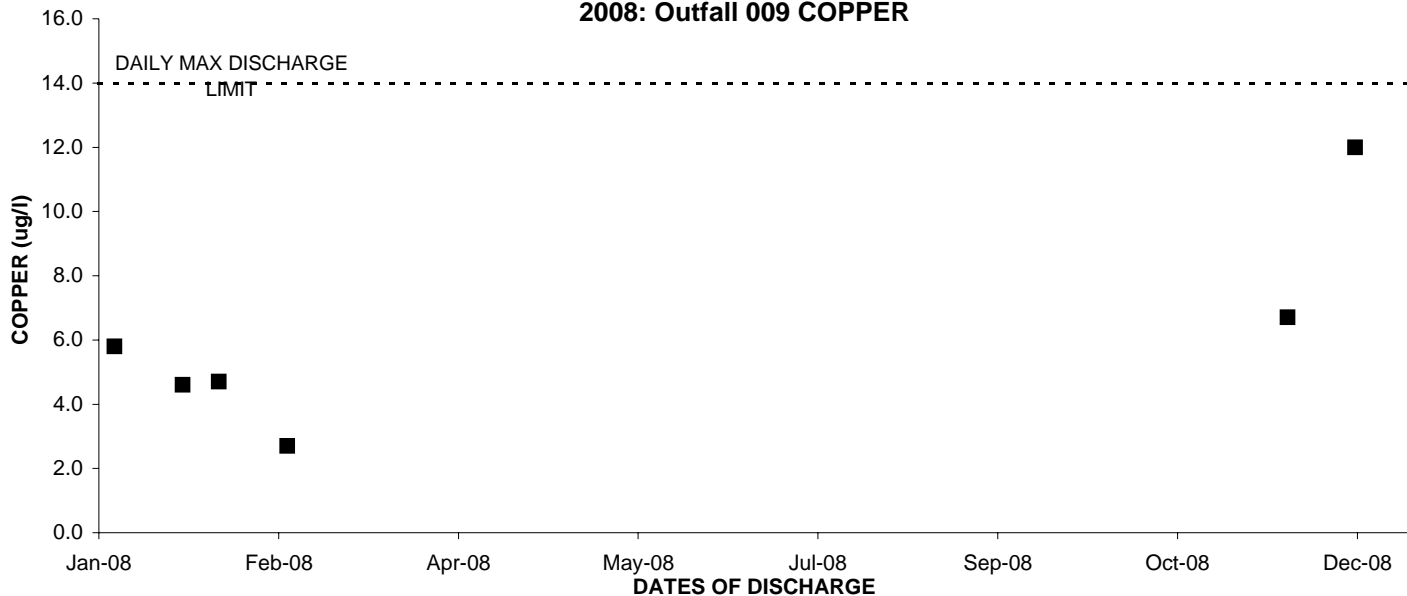
January 1 through December 31, 2008

ANALYTE	UNITS	Benchmark Limit Daily Max/Monthly Avg	11/26/2008		12/15/2008	
			Result	CONCENTRATION RESULT VALIDATION QUALIFIER	Result	CONCENTRATION RESULT VALIDATION QUALIFIER
Chloride	LBS/DAY	22,268/-	3.23	*	37.46	*
Fluoride	LBS/DAY	238/-	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	0.55	*	2.96	*
Oil & Grease	LBS/DAY	2,227/-	1.62	J* (DNQ)	13.28	B, J* (DNQ)
Perchlorate	LBS/DAY	0.89/-	ND	*	ANR	ANR
Sulfate	LBS/DAY	37,113/-	13.29	*	34.05	*
Total Dissolved Solids	LBS/DAY	126,184/-	63.54	*	340.53	*
Antimony	LBS/DAY	0.89/-	0.0003400	J* (DNQ)	ND	U (B)
Boron	LBS/DAY	148/-	ANR	ANR	ANR	ANR
Cadmium	LBS/DAY	0.59/-	0.00037	J* (DNQ)	0.0018	J (DNQ)
Copper	LBS/DAY	2.08/-	0.0039	B*	0.041	--
Lead	LBS/DAY	0.77/-	0.0014	*	0.065	--
Mercury	LBS/DAY	0.02/-	0.000032	UJ (*III, DNQ)	0.00025	J (DNQ)
Nickel	LBS/DAY	14.9/-	ANR	ANR	ANR	ANR
Thallium	LBS/DAY	0.3/-	ND	*	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	4.2E-09/-	2.30E-10	--	6.23E-09	--

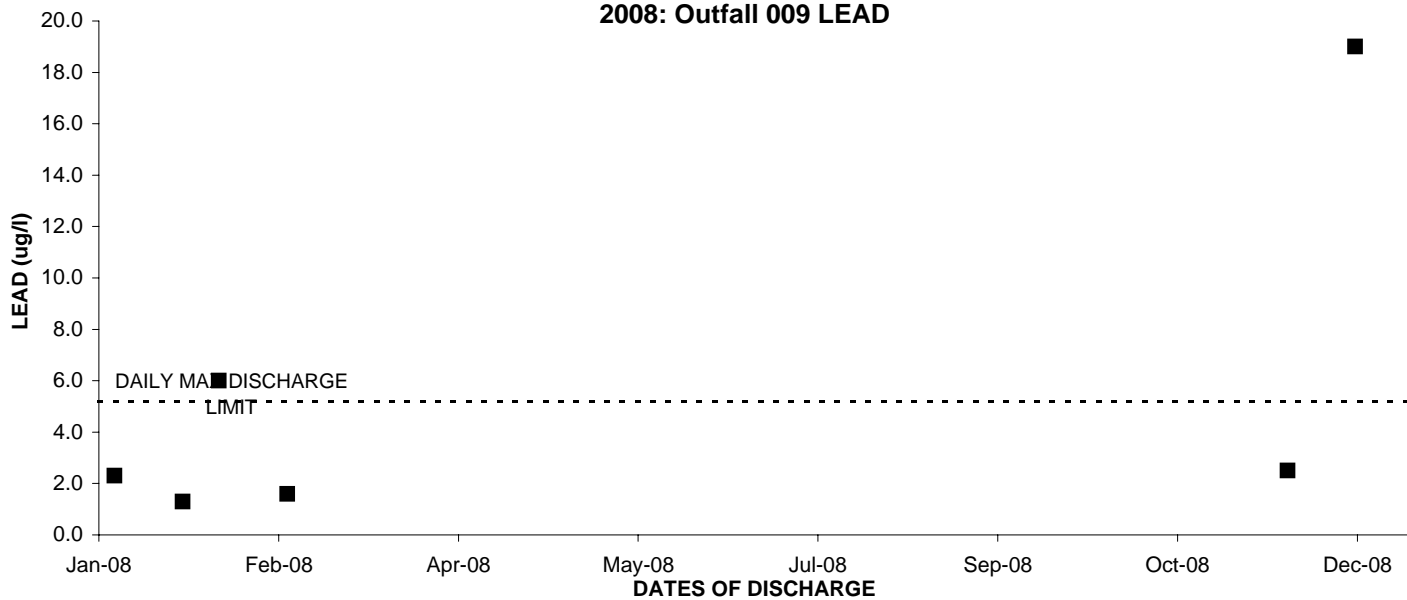
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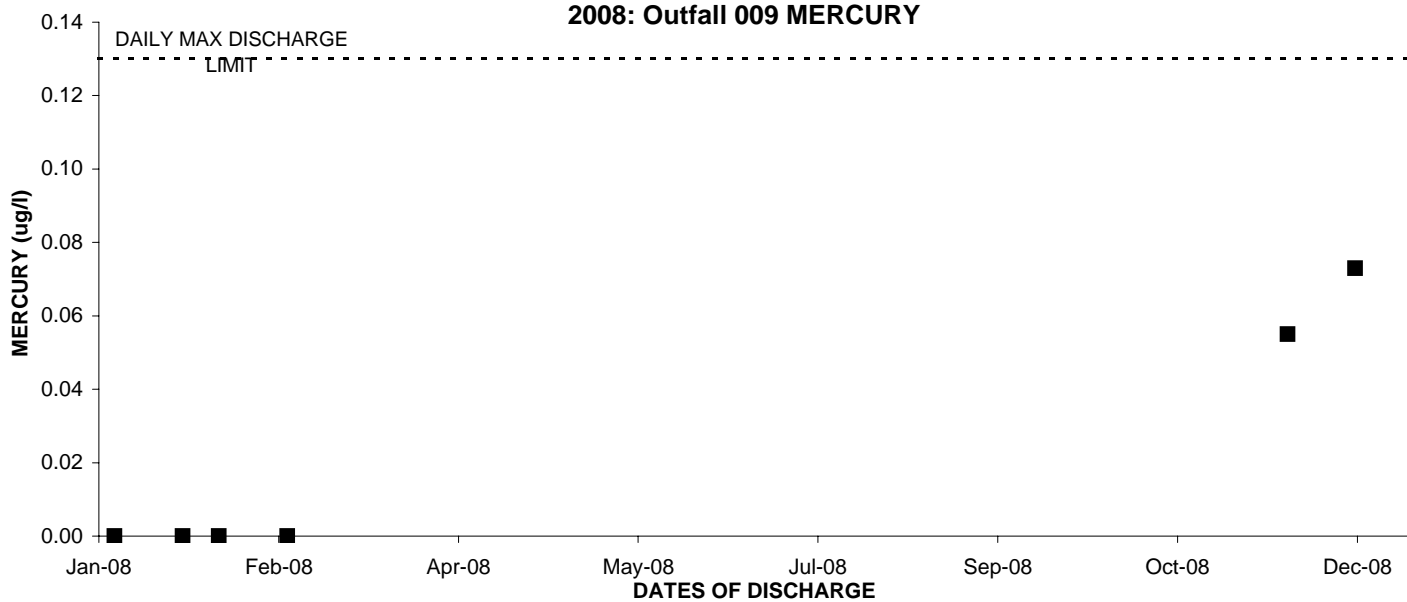
2008: Outfall 009 COPPER



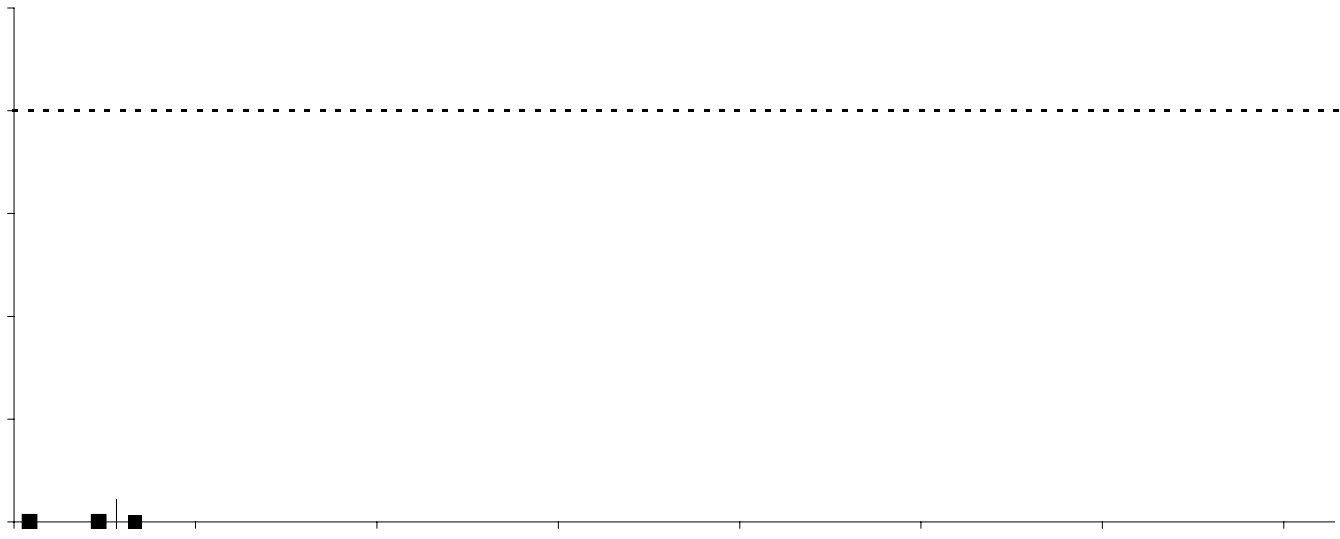
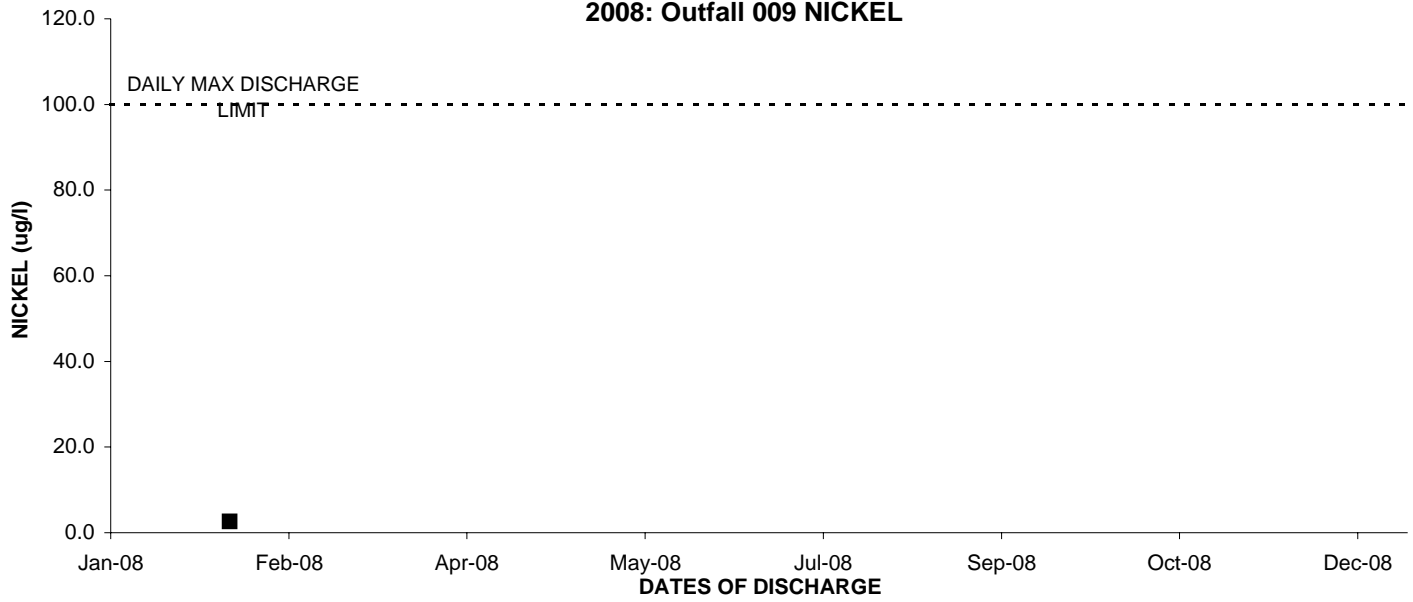
2008: Outfall 009 LEAD

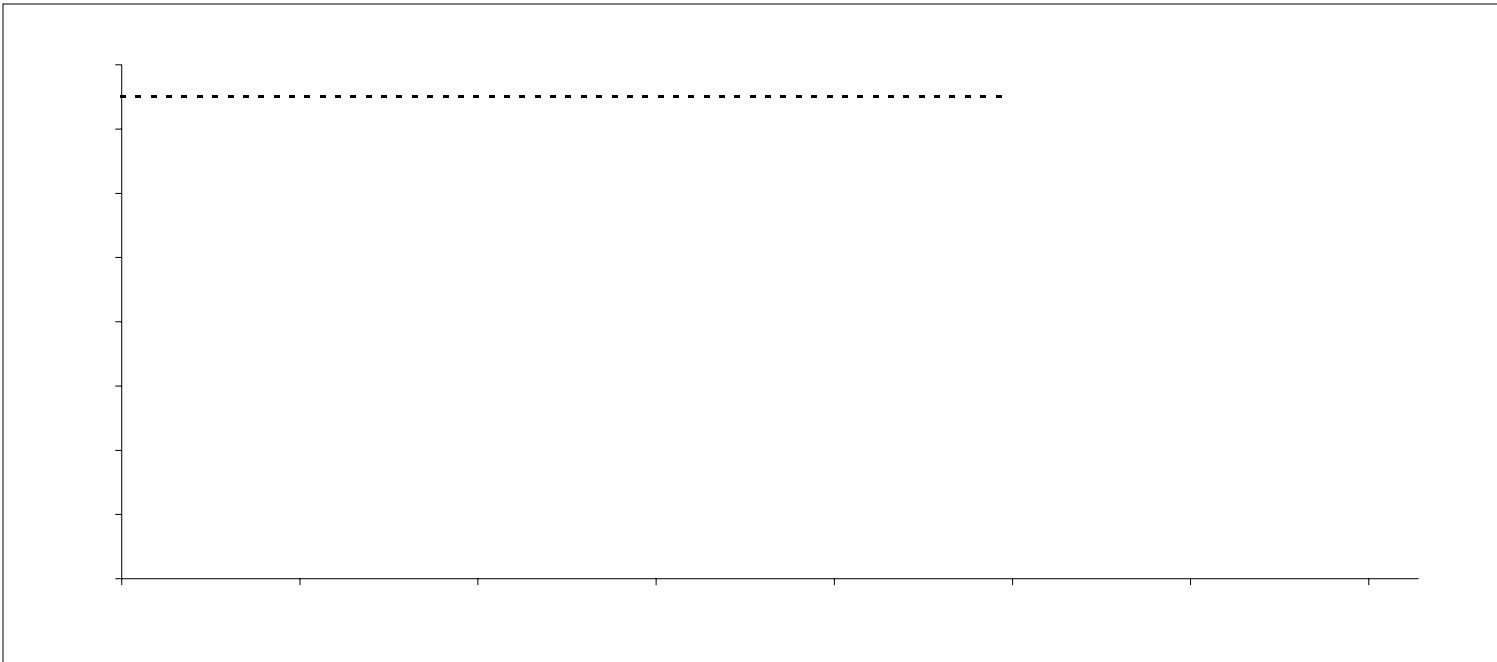


2008: Outfall 009 MERCURY

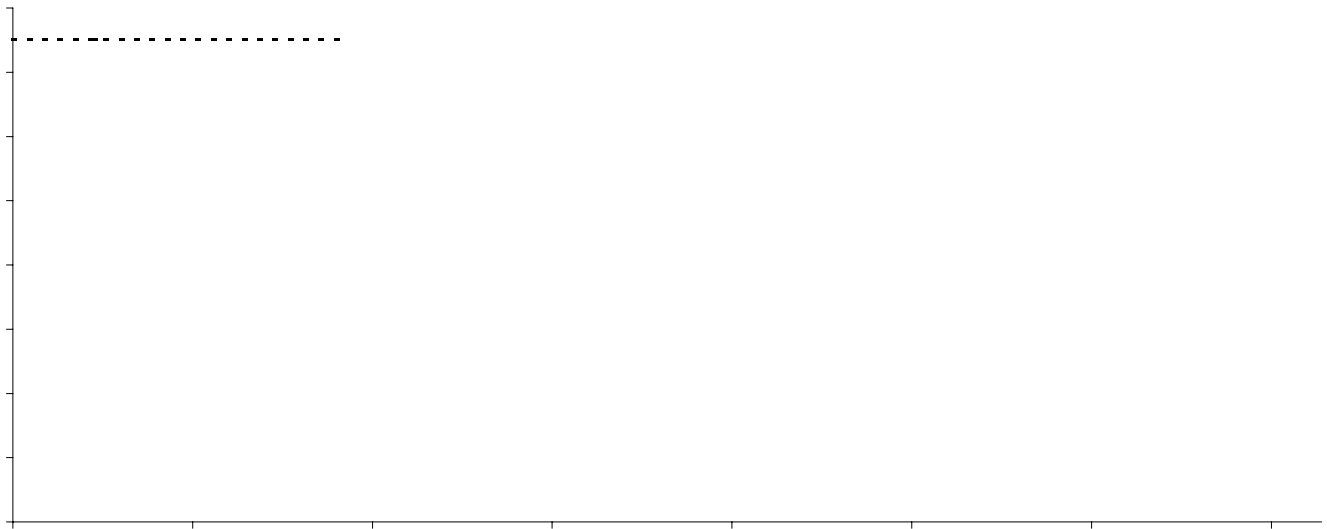
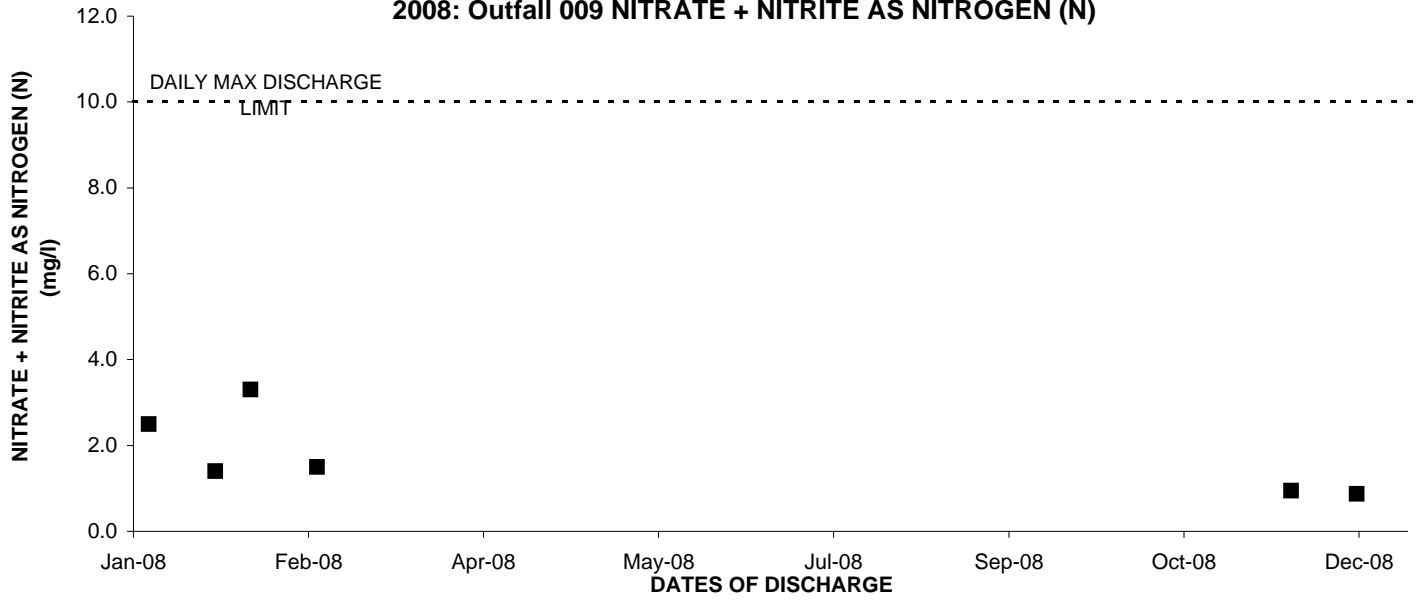


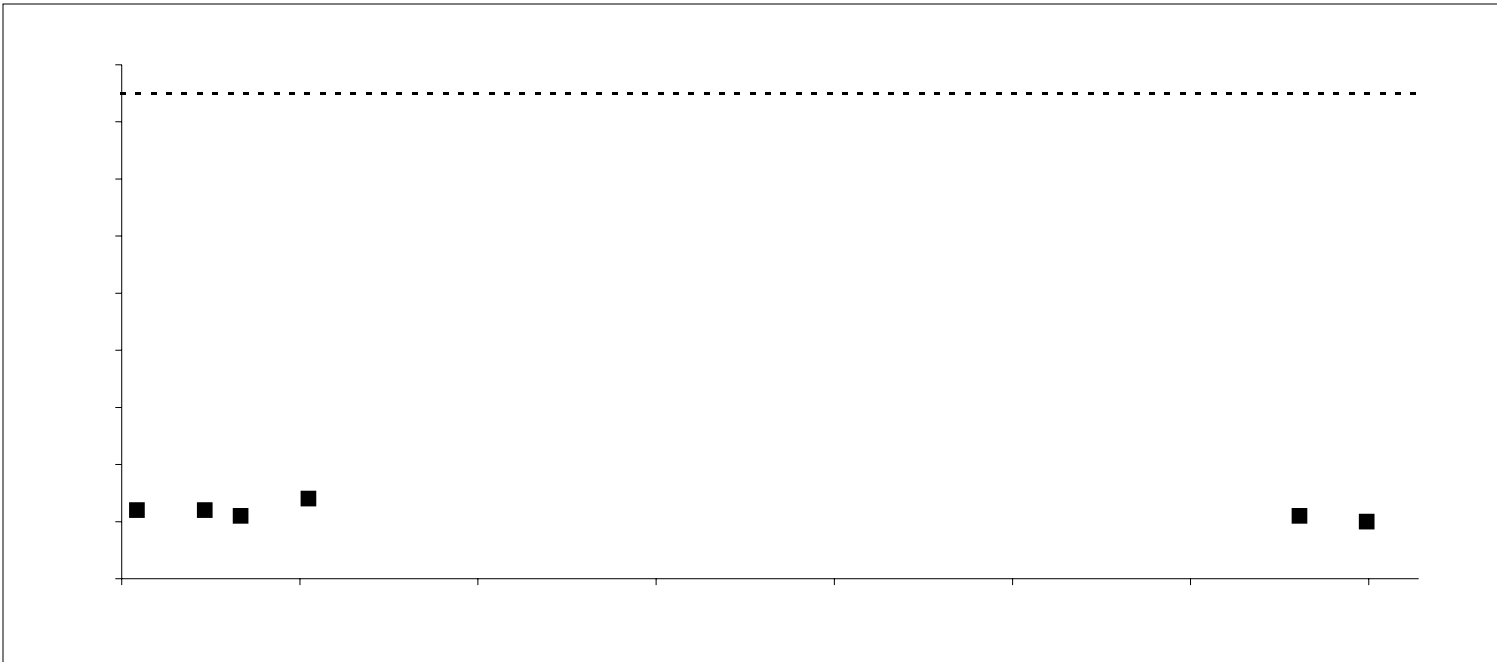
2008: Outfall 009 NICKEL

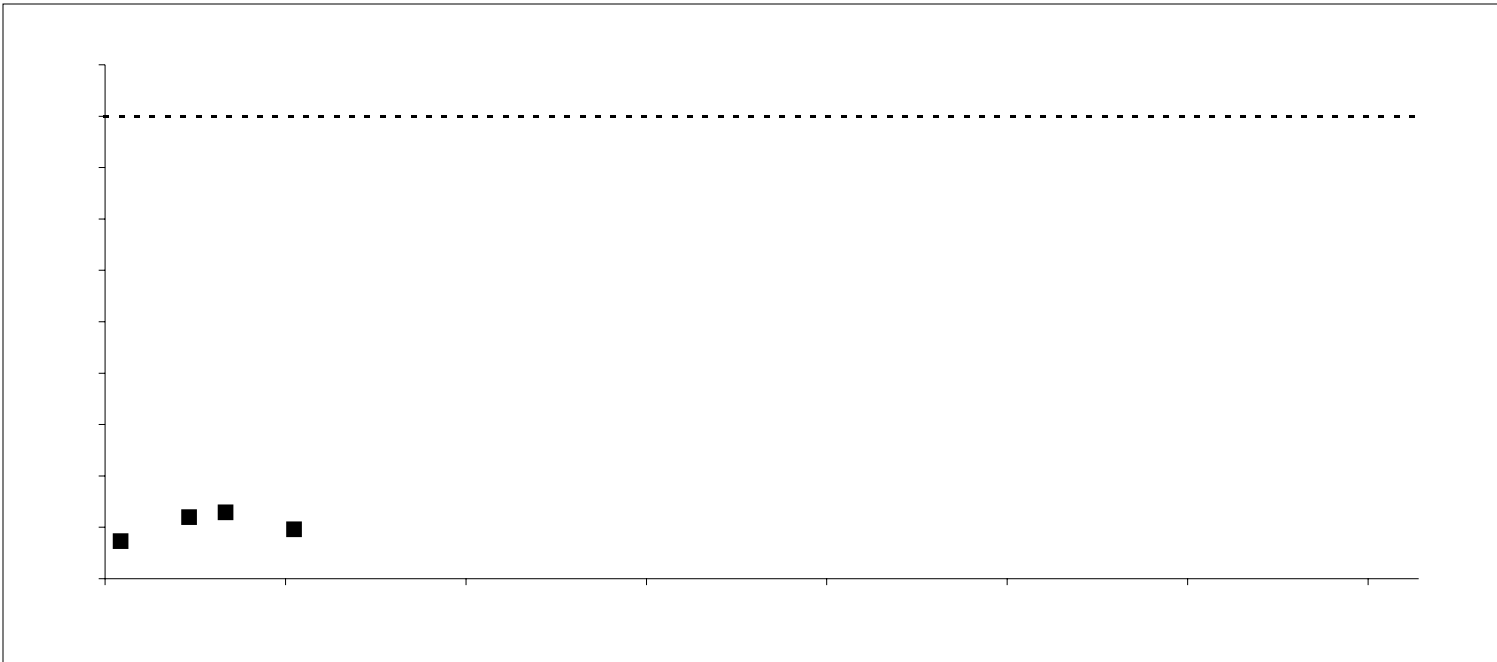




2008: Outfall 009 NITRATE + NITRITE AS NITROGEN (N)







2008: Outfall 009 URANIUM, TOTAL

