

OUTFALL 010 (Building 203)

**ANNUAL 2009 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2009

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	1/24/2009		2/6/2009	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Chloride	mg/L	150/-	25	*	27	*
Fluoride	mg/L	1.6/-	ANR	ANR	0.22	B*
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1.1	*	1.7	*
Oil & Grease	mg/L	15/-	ND < 1.3	*	ND < 1.3	*
Perchlorate	ug/L	6.0/-	ANR	ANR	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	7.0	*	7.5	*
Sulfate	mg/L	250/-	16	*	23	*
Temperature	deg. F	86/-	55	*	53	*
Total Cyanide	ug/L	-/-	ANR	ANR	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	180	*	210	*
Hardness	mg/L	-/-	ANR	ANR	95	--
Hardness, dissolved	mg/L	-/-	ANR	ANR	92	--
Total Suspended Solids	mg/L	-/-	ANR	ANR	4.0	J (DNQ)
Volume Discharged	MGD	17.8/-	0.000715	*	0.00604	*
METALS						
Aluminum	ug/L	-/-	ANR	ANR	360	J (Q)
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ND < 40	U
Antimony	ug/L	6.0/-	0.51	J* (DNQ)	ND < 2.0	U (B)

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			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Thallium, dissolved	ug/L	-/-	ND < 0.20	*	ND < 0.20	U
Vanadium	ug/L	-/-	ANR	ANR	ND < 3.0	U
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ND < 3.0	U
Zinc	ug/L	-/-	ANR	ANR	ND < 6.0	U
Zinc, dissolved	ug/L	-/-	ANR	ANR	ND < 6.0	U
ORGANICS						
Benzene	ug/L	-/-	ANR	ANR	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ND < 0.28	*
Chloroform	ug/L	-/-	ANR	ANR	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ND < 0.28	*
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ND < 0.42	*
Ethylbenzene	ug/L	-/-	ANR	ANR	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	ANR	ANR	ND < 0.32	*
Toluene	ug/L	-/-	ANR	ANR	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	ANR	ANR	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ND < 0.30	*
Trichloroethene	ug/L	-/-	ANR	ANR	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ND < 0.50	*
Vinyl chloride	ug/L	-/-	ANR	ANR	ND < 0.40	*

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	1/24/2009		2/6/2009	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
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 < 2.8	*
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 < 5.2	*
Acenaphthene	ug/L	-/-	ANR	ANR	ND < 2.8	*
Acenaphthylene	ug/L	-/-	ANR	ANR	ND < 2.8	*
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	-/-	ANR	ANR	ND < 0.0024	*
Aniline	ug/L	-/-	ANR	ANR	ND < 3.3	*
Anthracene	ug/L	-/-	ANR	ANR	ND < 2.4	*
Aroclor-1016	ug/L	-/-	ANR	ANR	ND < 0.24	U
Aroclor-1221	ug/L	-/-	ANR	ANR	ND < 0.24	U
Aroclor-1232	ug/L	-/-	ANR	ANR	ND < 0.24	U
Aroclor-1242	ug/L	-/-	ANR	ANR	ND < 0.24	U
Aroclor-1248	ug/L	-/-	ANR	ANR	ND < 0.24	U
Aroclor-1254	ug/L	-/-	ANR	ANR	ND < 0.24	U
Aroclor-1260	ug/L	-/-	ANR	ANR	ND < 0.24	U
Benzidine	ug/L	-/-	ANR	ANR	ND < 9.4	*
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ND < 2.4	*
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ND < 2.8	*
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 < 9.4	*
Benzyl alcohol	ug/L	-/-	ANR	ANR	ND < 3.3	*
beta-BHC	ug/L	-/-	ANR	ANR	ND < 0.0038	*
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ND < 2.8	*
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ND < 3.8	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ND < 2.8	*
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ND < 2.4	*
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 < 3.8	*
Chlordane	ug/L	-/-	ANR	ANR	ND < 0.038	*
Chlorobenzene	ug/L	-/-	ANR	ANR	ND < 0.36	*
Chloroethane	ug/L	-/-	ANR	ANR	ND < 0.40	*
Chloromethane	ug/L	-/-	ANR	ANR	ND < 0.40	*
Chlorpyrifos	ug/L	-/-	ANR	ANR	ND < 0.10	U
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ND < 2.4	*
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ND < 0.22	L*
delta-BHC	ug/L	-/-	ANR	ANR	ND < 0.0033	*

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January 1 through December 31, 2009

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg
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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2009

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	2/13/2009		10/14/2009	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Thallium, dissolved	ug/L	-/-	ND < 0.20	*	ND < 0.20	*
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						
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	-/-				
1,3-Dichlorobenzene	ug/L	-/-				
1,4-Dichlorobenzene	ug/L	-/-				
1,4-Dichlorobenzene	ug/L	-/-				
2,4,6-Trichlorophenol	ug/L	-/-				
2,4-Dichlorophenol	ug/L	-/-				
2,4-Dimethylphenol	ug/L	-/-				
2,4-Dinitrophenol	ug/L	-/-				
2,4-Dinitrotoluene	ug/L	-/-				
2,6-Dinitrotoluene	ug/L	-/-				
2-Chloroethylvinylether	ug/L	-/-				
2-Chloronaphthalene	ug/L	-/-				
2-Chlorophenol	ug/L	-/-				
2-Methyl-4,6-dinitrophenol	ug/L	-/-				
2-Methylnaphthalene	ug/L	-/-				
2-Methylphenol	ug/L	-/-				
2-Nitrophenol	ug/L	-/-				

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4,4'-DDE	ug/L	-/-
4,4'-DDT	ug/L	-/-
4-Bromophenylphenylether	ug/L	-/-
4-Chloro-3-methylphenol	ug/L	-/-
4-Chloroaniline	ug/L	-/-
4-Chlorophenylphenylether	ug/L	-/-
4-Nitrophenol	ug/L	-/-
Acenaphthene	ug/L	-/-
Acenaphthylene	ug/L	-/-
Acrolein	ug/L	-/-
Acrylonitrile	ug/L	-/-

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg
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	-/-

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January 1 through December 31, 2009

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/7/2009	
			RESULT	VALIDATION QUALIFIER
Thallium, dissolved	ug/L	-/-	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR
Zinc, dissolved	ug/L	-/-	ANR	ANR
ORGANICS				
Benzene	ug/L	-/-	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR
ADDITIONAL ANALYTES				
2,4,5-Trichlorophenol	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	-/-		

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg
4,4'-DDE	ug/L	-/-
4,4'-DDT	ug/L	-/-
4-Bromophenylphenylether	ug/L	-/-
4-Chloro-3-methylphenol	ug/L	-/-
4-Chloroaniline	ug/L	-/-
4-Chlorophenylphenylether	ug/L	-/-
4-Nitrophenol	ug/L	-/-
Acenaphthene	ug/L	-/-
Acenaphthylene	ug/L	-/-
Acrolein	ug/L	-/-
Acrylonitrile	ug/L	-/-
Acute Toxicity	% SURVIVAL	70-100/-
Aldrin	ug/L	-/-
alpha-BHC	ug/L	-/-
Aniline	ug/L	-/-
Anthracene	ug/L	-/-
Aroclor-1016	ug/L	-/-
Aroclor-1221	ug/L	-/-
Aroclor-1232	ug/L	-/-
Aroclor-1242	ug/L	-/-
Aroclor-1248	ug/L	-/-
Aroclor-1254	ug/L	-/-
Aroclor-1260	ug/L	-/-
ug/L	-/-	

ug/L -/-)fute Tluora Tmlene ug/L

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January 1 through December 31, 2009

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/7/2009	
			RESULT	ALIDATION QUALIFIER
Diazinon	ug/L	-/-	NR	NR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR
Dibenzofuran	ug/L	-/-	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR
Diethylphthalate	ug/L	-/-	NR	NR
Dimethylphthalate	ug/L	-/-	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR
Endosulfan I	ug/L	-/-	NR	NR
Endosulfan II	ug/L	-/-	NR	NR
Endosulfan sulfate	ug/L	-/-	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR
Endrin ketone	ug/L	-/-	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR
Hexachloroethane	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
m-Nitroaniline	ug/L	-/-		
Naphthalene	ug/L	-/-		

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**ANNUAL 2009 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Sample Date January 24, 2009

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	8.27E-06	J (DNQ)	0.01	ND
1,2,3,4,6,7,8-HpCDF	0.00E+00	2.50E-05	1.67E-06	J (DNQ)	0.01	ND
1,2,3,4,7,8,9-HpCDF	3.93E-07	2.50E-05	ND	U	0.01	ND
1,2,3,4,7,8-HxCDD	5.72E-07	2.50E-05	ND	U	0.1	ND
1,2,3,4,7,8-HxCDF	3.43E-07	2.50E-05	ND	U	0.1	ND
1,2,3,6,7,8-HxCDD	5.76E-07	2.50E-05	ND	U	0.1	ND
1,2,3,6,7,8-HxCDF	3.43E-07	2.50E-05	ND	U	0.1	ND
1,2,3,7,8,9-HxCDD	5.36E-07	2.50E-05	ND	U	0.1	ND
1,2,3,7,8,9-HxCDF	4.79E-07	2.50E-05	ND	U	0.1	ND
1,2,3,7,8-PeCDD	3.78E-07	2.50E-05	ND	U	1	ND
1,2,3,7,8-PeCDF	3.40E-07	2.50E-05	ND	U	0.05	ND
2,3,4,6,7,8-HxCDF	3.72E-07	2.50E-05	ND	U	0.1	ND
2,3,4,7,8-PeCDF	3.70E-07	2.50E-05	ND	U	0.5	ND
2,3,7,8-TCDD	2.99E-07	5.00E-06	ND	U	1	ND
2,3,7,8-TCDF	2.94E-07	5.00E-06	ND	U	0.1	ND
OCDD	0.00E+00	5.00E-05	9.09E-05	--	0.0001	9.09E-09

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**ANNUAL 2009 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Sample Date February 13, 2009

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO
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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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Sample Date December 7, 2009

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1.20E-06	8.00E-05	ND	U (B)	0.01	ND
1,2,3,4,6,7,8-HpCDF	8.60E-07	4.90E-05	ND	U (B)	0.01	ND
1,2,3,4,7,8,9-HpCDF	1.30E-06	4.90E-05	ND	U (B)	0.01	ND
1,2,3,4,7,8-HxCDD	7.60E-07	4.90E-05	ND	U (B)	0.1	ND
1,2,3,4,7,8-HxCDF	6.40E-07	4.90E-05	ND	U (B)	0.1	ND
1,2,3,6,7,8-HxCDD	7.00E-07	4.90E-05	ND	U (B)	0.1	ND
1,2,3,6,7,8-HxCDF	6.20E-07	4.90E-05	ND	U (B)	0.1	ND
1,2,3,7,8,9-HxCDD	6.60E-07	4.90E-05	ND	U (B)	0.1	ND
1,2,3,7,8,9-HxCDF	6.80E-07	4.90E-05	ND	U (B)	0.1	ND
1,2,3,7,8-PeCDD	8.30E-07	4.90E-05	ND	U	1	ND
1,2,3,7,8-PeCDF	1.10E-06	4.90E-05	ND	U (B)	0.05	ND
2,3,4,6,7,8-HxCDF	5.80E-07	4.90E-05	ND	U (B)	0.1	ND
2,3,4,7,8-PeCDF	1.30E-06	4.90E-05	ND	U	0.5	ND
2,3,7,8-TCDD	5.60E-07	9.70E-06	ND	U	1	ND
2,3,7,8-TCDF	2.80E-06	9.70E-06	ND	U	0.1	ND
OCDD	1.30E-06	9.70E-05	8.90E-04	--	0.0001	8.90E-08
OCDF	7.70E-07	9.70E-05	ND	U (B)	0.0001	ND

OUTFALL 010 (Building 203)

**ANNUAL 2009 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2009

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	1/24/2009			2/6/2009		
			RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	0.44 ± 0.89	1.6	UJ (H,C)	0.77 ± 0.96	1.6	UJ (C,H)
Gross Beta	pCi/L	50/-	4.36 ± 0.96	0.99	J (H)	4.8 ± 1.0	1.1	J (H)
Strontium-90	pCi/L	8.0/-	0.12 ± 0.38	0.64	U	0.52 ± 0.64	1	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.15 ± 0.30	0.71	U	0.19 ± 0.32	0.76	U
Tritium	pCi/L	20000/-	30 ± 170	290	U	-80 ± 180	330	U
Uranium, Total	pCi/L	20/-	0.176 ± 0.021	0.21	UJ (H)	0.266 ± 0.029	0.21	J (DNQ)
Potassium-40	pCi/L	-/-	-90 ± 620	250	UJ (H)	-100 ± 1900	300	U
Cesium 137	pCi/L	200/-	-1.2 ± 7.4	14	UJ (H)	0 ± 7.5	14	U

OUTFALL 010 (Building 203)
ANNUAL 2009 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	2/13/2009			10/14/2009		
			RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	1.3 ± 1.2	1.7	UJ (H,C)	0.66 ± 0.73	1.1	UJ (H,C)
Gross Beta	pCi/L	50/-	4.2 ± 1.0	1.1	J (H)	4.4 ± 1.4	2	J (H)
Strontium-90	pCi/L	8.0/-	0.36 ± 0.48	0.79	U	0.1 ± 0.23	0.4	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.00 ± 0.32	0.74	U	-0.135 ± 0.304	0.720	U
Tritium	pCi/L	20000/-	30 ± 180	310	U	70 ± 120	190	U
Uranium, Total	pCi/L	20/-	1.21 ± 0.13	0.21	J (H)	0.308 ± 0.035	0.21	J (DNQ)
Potassium-40	pCi/L	-/-	-80 ± 5200	300	UJ (H)	-100 ± 4000	400	UJ (H)
Cesium 137	pCi/L	200/-	2.8 ± 7.0	13	UJ (H)	0 ± 70	14	UJ (H)

OUTFALL 010 (Building 203)

**ANNUAL 2009 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2009

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	1/24/2009		2/6/2009	
			Result	CONCENTRATION RESULT VALIDATION QUALIFIER	Result	CONCENTRATION RESULT VALIDATION QUALIFIER
Chloride	LBS/DAY	22,268/-	0.15	*	1.36	*
Fluoride	LBS/DAY	238/-	ANR	ANR	0.01	B*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	0.01	*	0.09	*
Oil & Grease	LBS/DAY	2,227/-	ND	*	ND	*
Perchlorate	LBS/DAY	0.89/-	ANR	ANR	ND	*
Sulfate	LBS/DAY	37,113/-	0.10	*	1.16	*
Total Dissolved Solids	LBS/DAY	126,184/-	1.07	*	10.58	*
Antimony	LBS/DAY	0.89/-	0.000003	J* (DNQ)	ND	U (B)
Boron	LBS/DAY	148/-	ANR	ANR	ND	U
Cadmium	LBS/DAY	0.59/-	ND	*	ND	U
Copper	LBS/DAY	2.08/-	0.00002	*	0.0001	J (DNQ)
Lead	LBS/DAY	0.77/-	0.00001	*	ND	U
Mercury	LBS/DAY	0.02/-	0.000001	J (DNQ)	ND	U (B)
Nickel	LBS/DAY	14.9/-	ANR	ANR	ND	U
Thallium	LBS/DAY	0.3/-	ND	*	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	5.42E-14	--	2.64E-13	--

OUTFALL 010 (Building 203)

**ANNUAL 2009 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2009

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg
Chloride	LBS/DAY	22,268/-
Fluoride	LBS/DAY	238/-

OUTFALL 010 (Building 203)

**ANNUAL 2009 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2009

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/7/2009	
			Result	CONCENTRA TION RESULT VALIDATION QUALIFIER
Chloride	LBS/DAY	22,268/-	0.06	*
Fluoride	LBS/DAY	238/-	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	0.01	*
Oil & Grease	LBS/DAY	2,227/-	ND	*
Perchlorate	LBS/DAY	0.89/-	ANR	ANR
Sulfate	LBS/DAY	37,113/-	0.09	*
Total Dissolved Solids	LBS/DAY	126,184/-	0.51	*
Antimony	LBS/DAY	0.89/-	0.000002	J* (DNQ)
Boron	LBS/DAY	148/-	ANR	ANR7/2009
Cadmium	LBS/DAY	0.59/-		
Copper	LBS/DAY	2.08/-		
Lead	LBS/DAY	0.77/-		
Mercury	LBS/DAY	0.02/-		
Nickel	LBS/DAY	14.9/-		
Thallium	LBS/DAY	0.3/-		
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-		

**BMP EFFECTIVENESS
OUTFALL 010 (Building 203)**

**ANNUAL 2009 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

January 1 through December 31, 2009

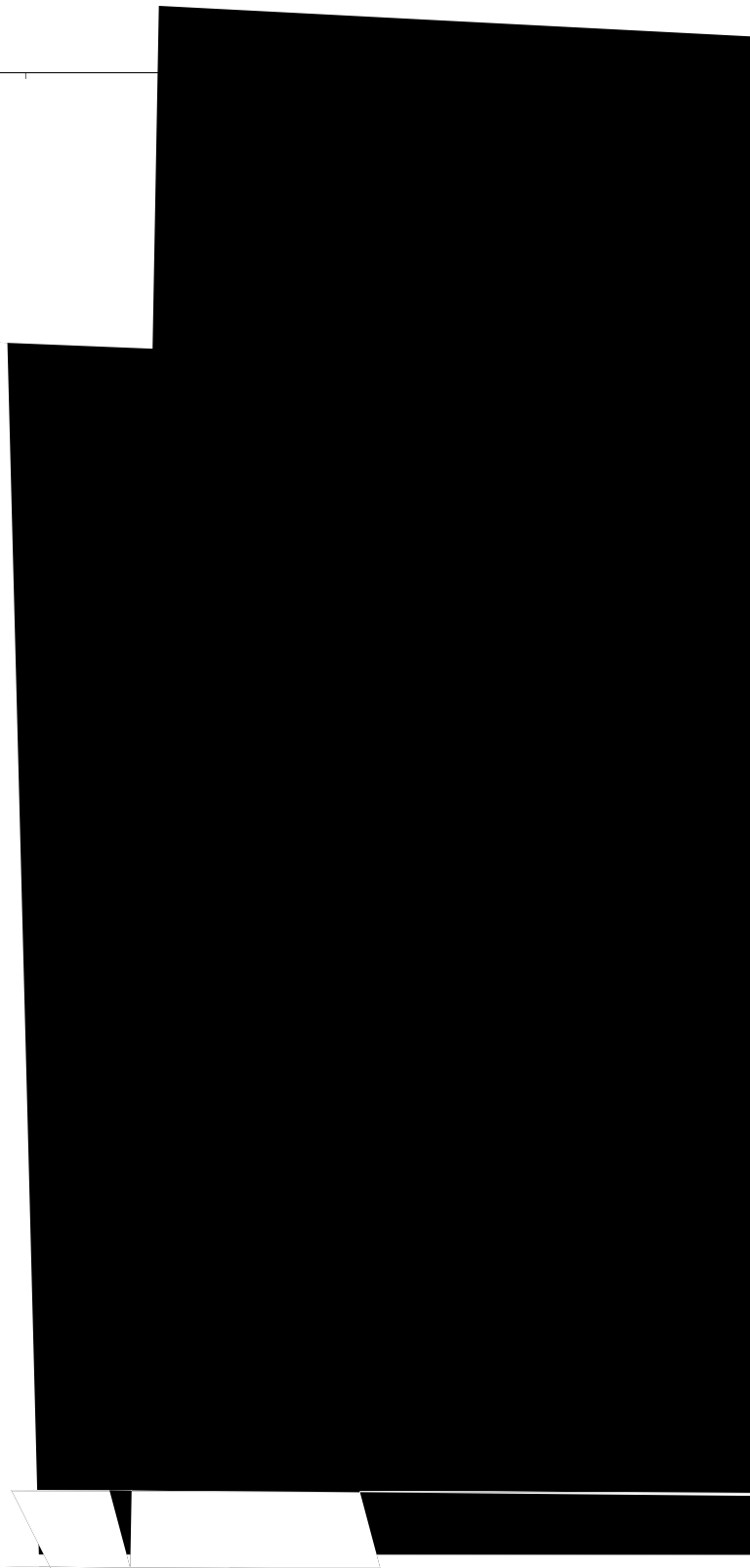
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**BMP EFFECTIVENESS
OUTFALL 010 (Building 203)**

**ANNUAL 2009 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

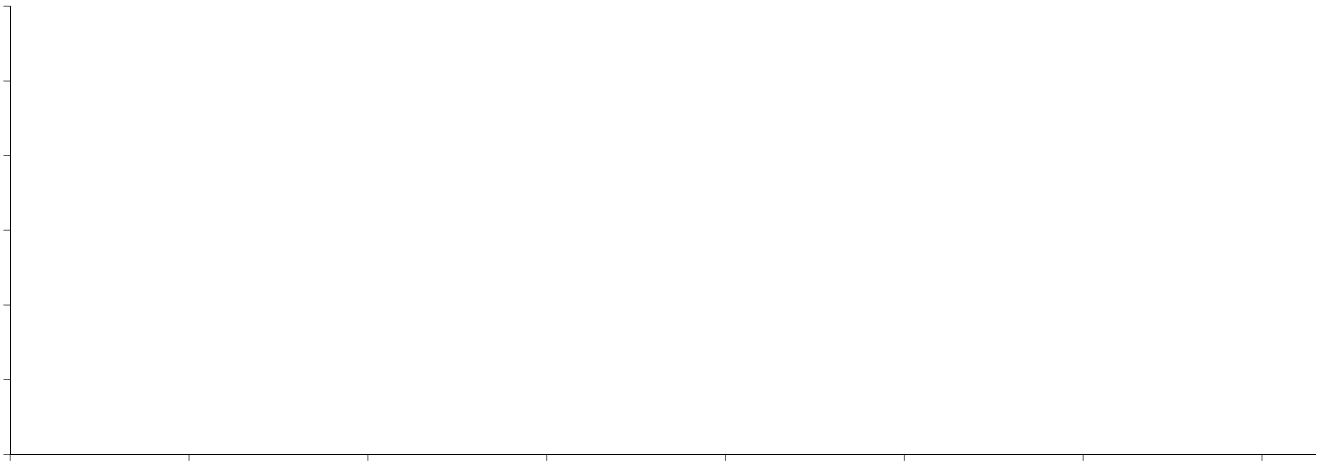
January 1 through December 31, 2009

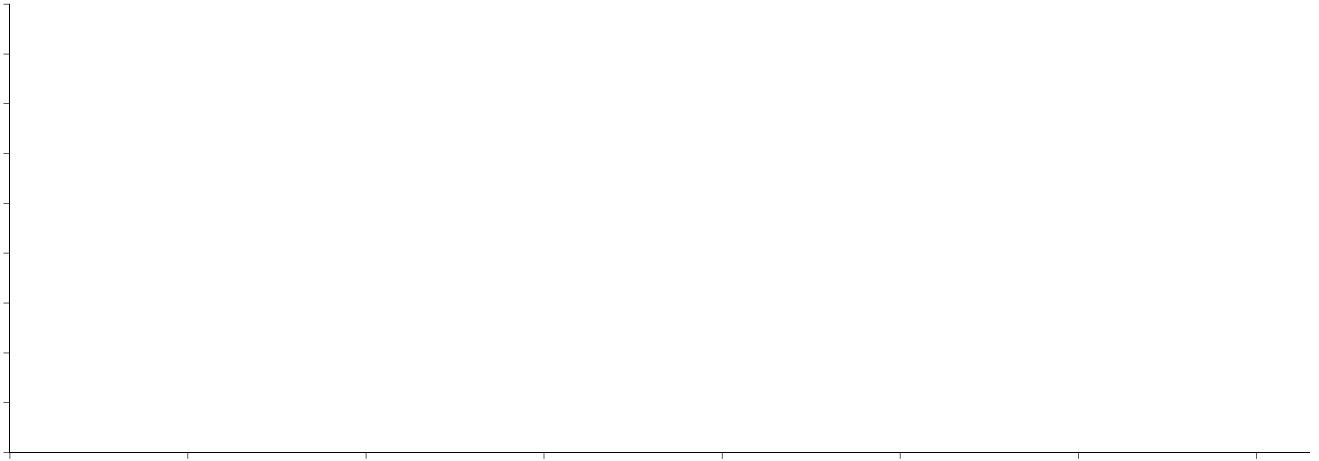
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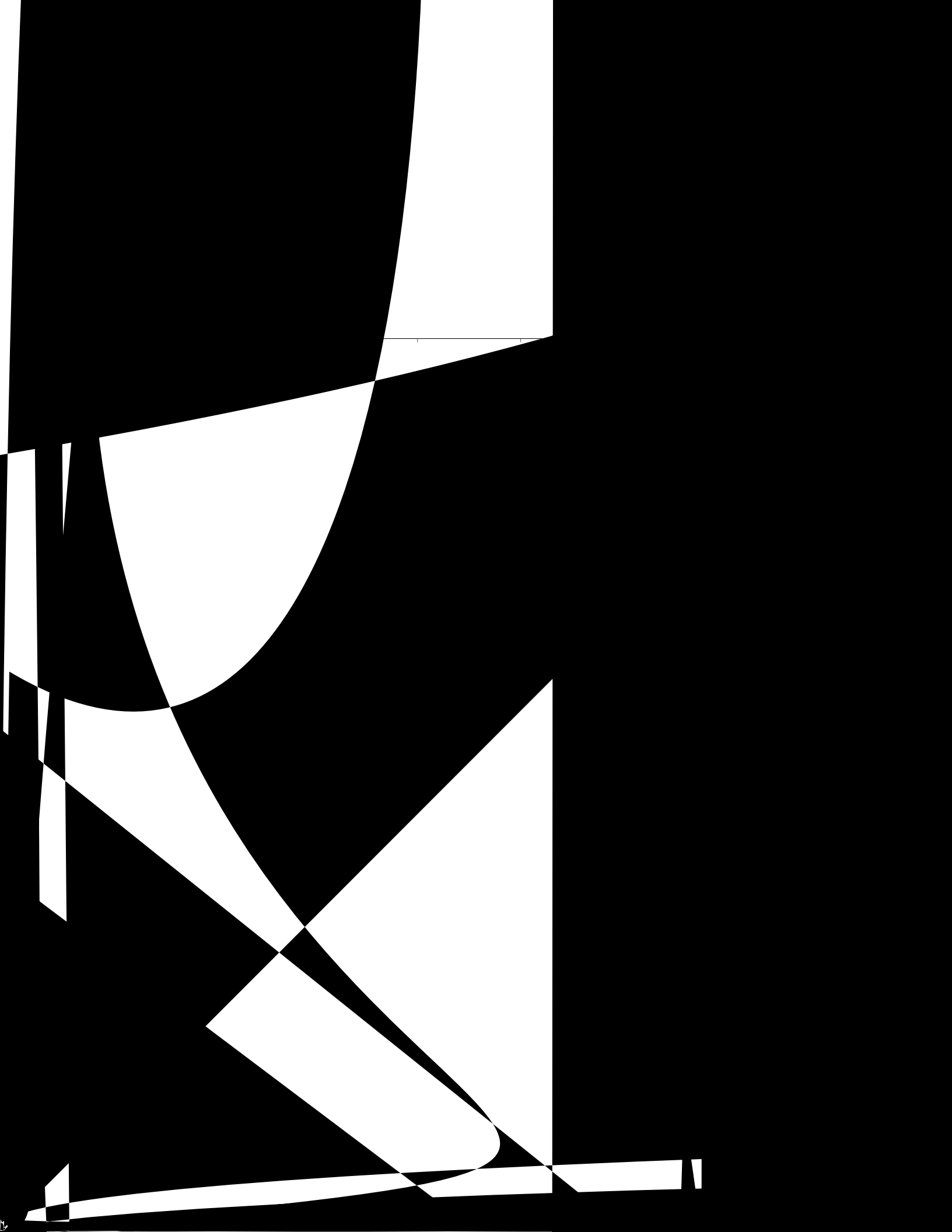


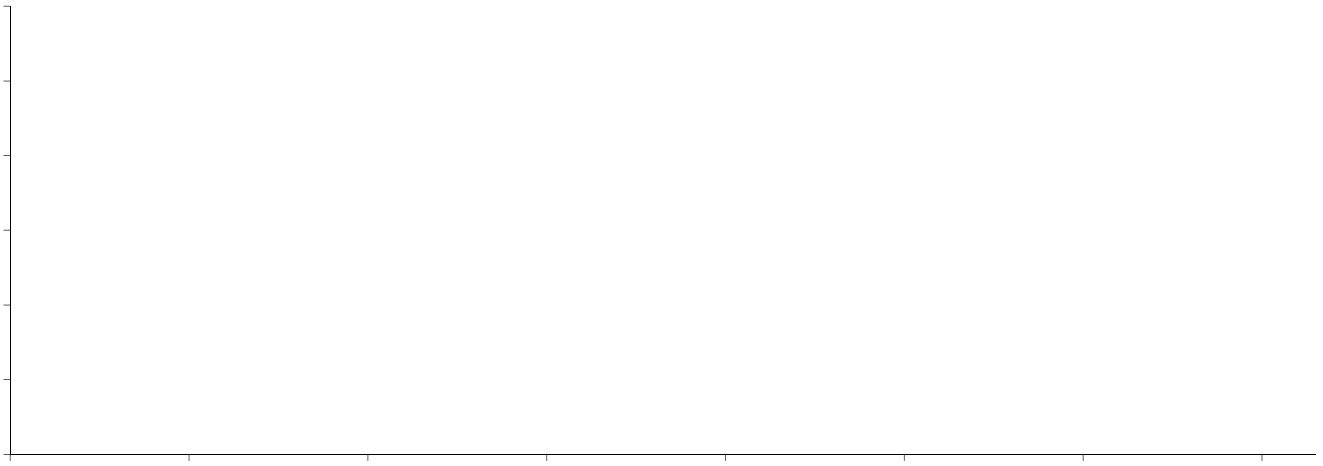














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