1. For Dioxins and Furans, laboratory results may have been reported in picograms/liter (pg/L). However, the permit limit is stated in micrograms/liter (µg/L). To evaluate permit compliance, the laboratory results have been converted to µg/L, as necessary, to calculate the TCDD TEQ.

2. TCDD TEQs for the purpose of determining permit compliance are the sum of the products of the detected dioxin congener concentration multiplied by that congener's TEF. The resulting compliance TCDD TEQ does not include those congener concentrations that are reported as DNQ, as specified on Page 40 of the NPDES permit.

3. For some sample dates, pH was determined with a field instrument and was noted as such. These results were not validated. Since pH does not have an RL, the possible pH range is shown in the RL column.

4. The NPDES permit limit or benchmark limit for mercury of 0.10 µg/L (Outfalls 001, 002, 011, 018 and 019) and 0.13 µg/L (Outfalls 003-010) are not achievable by the laboratory; therefore, the laboratory reporting limit of 0.20 µg/L was used to determine compliance.

5. All of the following abbreviations and/or notes may not occur on every table.

| | |
|---|---|
| -92.9 +/-200 | A negative radiochemical analytical result indicates the count rate of the sample was less than the background condition |
| $ | reported result or other information was incorrectly reported by the laboratory; result was corrected by the data validator |
| -- | based on validation of the data, a qualifier was not required |
| -/- | no permit limit established for daily maximum or monthly average |
| <(value) | analyte not detected at a concentration greater than or equal to the DL, MDL, or RL (see laboratory report for specific detail) |
| * | result not validated |
| *1 | improper preservation of sample |
| *2 | the ICP/MS ppb check standard was recovered above the control limit; therefore, the constituent n 9l atedd 4462 0 Td ( )Tj -291.076 -13.8 Td ( )Tj (4)' 6.732 |

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| | | | 12/15/2008 | |
|---|---|---|---|---|
| _ _ | . | ◢ ◢_ /◢_ . | . | ◢ ◢_ _ E |
| | | | | |
| Chloride | mg/L | 150/- | 31 | * |
| Fluoride | mg/L | 1.6/- | ANR | ANR |
| Nitrate + Nitrite as Nitrogen (N) | mg/L | 10/- | 0.37 | * |
| Oil & Grease | mg/L | 15/- | 3.3 | B, J* (DNQ) |
| Perchlorate | ug/L | 6.0/- | ND < 0.90 | * |
| pH (Field) | pH units | 6.5-8.5/- | 9.1 | * |
| Sulfate | mg/L | 250/- | 11 | * |
| Temperature | deg. F | 86/- | 48 | * |
| Total Cyanide | ug/L | -/- | ANR | ANR |
| Total Dissolved Solids | mg/L | 850/- | 140 | * |
| Total Suspended Solids | mg/L | -/- | ANR | ANR |
| Volume Discharged | MGD | 17.8/- | 0.00044 | * |
| ◢ _ . | | | | |
| Aluminum | ug/L | -/- | ANR | ANR |
| Antimony | ug/L | 6.0/- | 0.40 | J* (DNQ) |
| Antimony, dissolved | ug/L | -/- | 0.39 | B, J* (DNQ) |
| Arsenic | ug/L | -/- | ANR | ANR |
| Beryllium | ug/L | -/- | ANR | ANR |
| Boron | mg/L | 1.0/- | ANR | ANR |
| Cadmium | ug/L | 4.0/- | ND < 0.11 | * |
| Cadmium, dissolved | ug/L | -/- | ND < 0.11 | * |
| Chromium | ug/L | -/- | ANR | ANR |
| Copper | ug/L | 14.0/- | 2.7 | * |
| Copper, dissolved | ug/L | -/- | 1.3 | B, J* (DNQ) |
| Lead | ug/L | 5.2/- | 0.96 | J* (DNQ) |
| Lead, dissolved | ug/L | -/- | ND < 0.30 | * |
| Mercury | ug/L | 0.13/- | ND < 0.027 | U |
| Mercury, dissolved | ug/L | -/- | ND < 0.027 | U |
| Nickel | ug/L | 100/- | ANR | ANR |
| Selenium | ug/L | -/- | ANR | ANR |
| Silver | ug/L | -/- | ANR | ANR |
| Thallium | ug/L | 2.0/- | ND < 0.20 | * |
| Thallium, dissolved | ug/L | -/- | ND < 0.20 | * |
| Vanadium | ug/L | -/- | ANR | ANR |
| Zinc | ug/L | -/- | ANR | ANR |
| _ . | | | | |
| Benzene | ug/L | -/- | ANR | ANR |
| Carbon Tetrachloride | ug/L | -/- | ANR | ANR |
| Chloroform | ug/L | -/- | ANR | ANR |

See attached notesh

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|---|---|---|---|---|
| _ _ | . | ◢ ◢_ /◢_ . | . | ◢ ◢_ _ E |
| 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 |
| Vinyl chloride | 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-Dichloropropane | ug/L | -/- | ANR | ANR |
| 1,2-Diphenylhydrazine/Azobenzene | ug/L | -/- | ANR | ANR |
| 1,3-Dichlorobenzene | ug/L | -/- | ANR | ANR |
| 1,4-Dichlorobenzene | ug/L | -/- | ANR | ANR |
| 2,4,6-Trichlorophenol | ug/L | -/- | ANR | ANR |
| 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 | -/- | ANR | ANR |
| 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 |

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**E 004 (. )**

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**15, 2008**

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|---|---|---|---|---|---|---|---|---|
| 1,2,3,4,6,7,8-HpCDD | 0.00E+00 | 2.50E-05 | 1.14E-05 | J (DNQ) | | 0.01 | **1.14 -07** | |
| 1,2,3,4,6,7,8-HpCDF | 2.60E-06 | 2.50E-05 | ND | U | | 0.01 | | |
| 1,2,3,4,7,8,9-HpCDF | 1.83E-06 | 2.50E-05 | ND | U | | 0.01 | | |
| 1,2,3,4,7,8-HxCDD | 4.09E-06 | 2.50E-05 | ND | U | | 0.1 | | |
| 1,2,3,4,7,8-HxCDF | 8.83E-07 | 2.50E-05 | ND | U | | 0.1 | | |
| 1,2,3,6,7,8-HxCDD | 3.99E-06 | 2.50E-05 | ND | U | | 0.1 | | |
| 1,2,3,6,7,8-HxCDF | 1.10E-06 | 2.50E-05 | ND | U | | 0.1 | | |
| 1,2,3,7,8,9-HxCDD | 3.75E-06 | 2.50E-05 | ND | U | | 0.1 | | |
| 1,2,3,7,8,9-HxCDF | 1.98E-06 | 2.50E-05 | ND | U | | 0.1 | | |
| 1,2,3,7,8-PeCDD | 2.08E-06 | 2.50E-05 | ND | U | | 1 | | |
| 1,2,3,7,8-PeCDF | 1.32E-06 | 2.50E-05 | ND | U | | 0.05 | | |
| 2,3,4,6,7,8-HxCDF | 1.34E-06 | 2.50E-05 | ND | U | | 0.1 | | |
| 2,3,4,7,8-PeCDF | 1.50E-06 | 2.50E-05 | ND | U | | 0.5 | | |
| 2,3,7,8-TCDD | 6.93E-07 | 5.00E-06 | ND | U | | 1 | | |
| 2,3,7,8-TCDF | 5.77E-07 | 5.00E-06 | ND | U | | 0.1 | | |
| OCDD | 0.00E+00 | 5.00E-05 | 1.71E-04 | -- | | 0.0001 | **1.71 -08** | **1.71 -08** |
| OCDF | 0.00E+00 | 5.00E-05 | 5.16E-06 | J (DNQ) | | 0.0001 | **5.16 -10** | |

| | | |
|---|---|---|
| / | **1.32 -07** | |
| / | | **1.71 -08** |

Dioxin TCDD TEQ compliance limit established for this outfall? Yes **− 2.80 -08**

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

# E 004 (. )

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| | | | 12/15/2008 | |
|---|---|---|---|---|
| _ _ | . | ◢_ /◢_ . | | _ ◢ ◢_ . _ E |
| | | | | |
| Chloride | LBS/DAY | 22,268/- | 0.114 | * |
| Nitrate + Nitrite as Nitrogen (N) | LBS/DAY | 1,485/- | 0.0014 | * |
| Oil & Grease | LBS/DAY | 2,227/- | 0.012 | B, J* (DNQ) |
| Perchlorate | LBS/DAY | 0.89/- | ND | * |
| Sulfate | LBS/DAY | 37,113/- | 0.04 | * |
| Total Dissolved Solids | LBS/DAY | 126,184/- | 0.51 | * |
| Antimony | LBS/DAY | 0.89/- | 0.0000015 | J* (DNQ) |
| Cadmium | LBS/DAY | 0.59/- | ND | * |
| Copper | LBS/DAY | 2.08/- | 0.0000099 | * |
| Lead | LBS/DAY | 0.77/- | 0.0000035 | J* (DNQ) |
| Mercury | LBS/DAY | 0.02/- | ND | U |
| Thallium | LBS/DAY | 0.3/- | ND | * |
| TCDD TEQ_NoDNQ | LBS/DAY | 4.2E-09/- | 6.28E-14 | -- |

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

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1 31, 2008

| | | 004 EE-1 12/15/2008 4 00 00 | 004 EE-2 12/15/2008 5 00 00 | 004 EE-3 12/15/2008 6 00 00 | 004 EE-4 12/15/2008 7 00 00 | 004 EE-5 12/15/2008 8 00 00 |
|---|---|---|---|---|---|---|
| | | | | | | |
| Density | g/cc | 0.93* | 0.96* | 0.94* | 0.93* | 0.94* |
| Sediment | mg/L | 27* | 14* | 12* | 15* | 16* |

| | | 004 EE-6 12/15/2008 00 00 | 004 EE-7 12/15/2008 10 00 00 | 004 EE-8 12/15/2008 11 00 00 | 004 EE- 12/15/2008 12 00 00 |
|---|---|---|---|---|---|
| | | | | | |
| Density | g/cc | 0.95* | 0.95* | 0.94* | 0.94* |
| Sediment | mg/L | 14* | ND <10* | ND <10* | 17* |

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

E 006 (E E-2)

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E 006 (E E-2)

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|---|---|---|---|---|---|---|
| | | | | E | | E |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |

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

E 006 (E E-2)

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**E 006 (E E-2)**

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**15, 2008**

| | ( / ) | ( / ) | ( / ) | E | 1 8 E | ( / ) | ( / ) |
|---|---|---|---|---|---|---|---|
| 1,2,3,4,6,7,8-HpCDD | 5.00E-06 | 2.50E-05 | ND | U | 0.01 | | |
| 1,2,3,4,6,7,8-HpCDF | 1.5 | | | | | | |

**E 006 (E E-2)**

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**1 30, 2008**

| | | | 11/26/2008 | |
|---|---|---|---|---|
| | | / | | E |
| | | | | |
| Chloride | LBS/DAY | 22,268/- | 1.27 | * |
| Nitrate + Nitrite as Nitrogen (N) | LBS/DAY | 1,485/- | 0.18 | * |
| Oil & Grease | LBS/DAY | 2,227/- | 0.084 | J* (DNQ) |
| Perchlorate | LBS/DAY | 0.89/- | ND | * |
| Sulfate | LBS/DAY | 37,113/- | 1.36 | * |
| Total Dissolved Solids | LBS/DAY | 126,184/- | 8.09 | * |
| Antimony | LBS/DAY | 0.89/- | 0.000011 | J* (DNQ) |
| Cadmium | LBS/DAY | 0.59/- | 0.0000064 | J* (DNQ) |
| Copper | LBS/DAY | 2.08/- | 0.000078 | B* |
| Lead | LBS/DAY | 0.77/- | 0.000043 | * |
| Mercury | LBS/DAY | 0.02/- | ND | UJ (*III) |
| Thallium | LBS/DAY | 0.3/- | ND | * |
| TCDD TEQ_NoDNQ | LBS/DAY | 4.2E-09/- | 1.45E-13 | -- |

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

**E 006 (E E-2)**

**E 2008**

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**1 31, 2008**

E 004 ( )

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| | | 004 EE-1 12/15/2008 4 00 00 | 004 EE-2 12/15/2008 5 00 00 | 004 EE-3 12/15/2008 6 00 00 | 004 EE-4 12/15/2008 7 00 00 | 004 EE-5 12/15/2008 8 00 00 |
|---|---|---|---|---|---|---|
| | | | | | | |
| Density | g/cc | 0.93* | 0.96* | 0.94* | 0.93* | 0.94* |
| Sediment | mg/L | 27* | 14* | 12* | 15* | 16* |

| | | 004 EE-6 12/15/2008 00 00 | 004 EE-7 12/15/2008 10 00 00 | 004 EE-8 12/15/2008 11 00 00 | 004 EE- 12/15/2008 12 00 00 |
|---|---|---|---|---|---|
| | | | | | |
| Density | g/cc | 0.95* | 0.95* | 0.94* | 0.94* |
| Sediment | mg/L | 14* | ND <10* | ND <10* | 17* |

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

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E 2008

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1 31, 2008

| | | | 11/26/2008 | | 12/15/2008 | |
|---|---|---|---|---|---|---|
| | | / | | E | | E |
| | | | | | | |
| 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 | * |
| Total Suspended Solids | mg/L | -/- | ANR | ANR | ANR | ANR |
| Volume Discharged | MGD | 17.8/- | 0.06926 | * | 0.408315 | * |
| | | | | | | |
| Aluminum | 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 |
| Beryllium | ug/L | -/- | ANR | ANR | ANR | ANR |
| Boron | mg/L | 1.0/- | 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) |
| Chromium | 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) |
| Lead | ug/L | 5.2/- | 2.5 | * | 19 | -- |
| Lead, dissolved | ug/L | -/- | 0.42 | J* (DNQ) | 1.1 | -- |
| 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 |
| Selenium | ug/L | -/- | ANR | ANR | ANR | ANR |
| Silver | ug/L | -/- | ANR | ANR | ANR | ANR |
| Thallium | ug/L | 2.0/- | ND < 0.20 | * | ND < 0.20 | U |
| Thallium, dissolved | ug/L | -/- | ND < 0.20 | * | ND < 0.20 | U |
| Vanadium | ug/L | -/- | ANR | ANR | ANR | ANR |
| Zinc | ug/L | -/- | ANR | ANR | ANR | ANR |
| | | | | | | |
| 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 |

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

E 00 ( -13 )

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1 31, 2008

| | | | 11/26/2008 | | 12/15/2008 | |
|---|---|---|---|---|---|---|
| | | / | | E | | E |
| 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 |
| Vinyl chloride | 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-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 |
| 1,4-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 |
| 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-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-Chlorophenylphenylether | ug/L | -/- | ANR | ANR | ANR | ANR |
| 4-Nitrophenol | ug/L | -/- | ANR | ANR | ANR | ANR |
| Acenaphthene | 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 |
| 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 |

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

E 00 ( -13 )

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1 31, 2008

| | | | 11/26/2008 | | 12/15/2008 | |
|---|---|---|---|---|---|---|
| | | / | | E | | E |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |

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1 31, 2008

| | | | 11/26/2008 | | 12/15/2008 | |
|---|---|---|---|---|---|---|
| | | | | E | | E |
| Lindane (gamma-BHC) | ug/L | -/- | ANR | ANR | ANR | ANR |
| Methylene Chloride | 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 |
| Pentachlorophenol | ug/L | -/- | ANR | ANR | ANR | ANR |
| Phenanthrene | ug/L | -/- | ANR | ANR | ANR | ANR |
| Phenol | ug/L | -/- | ANR | ANR | ANR | ANR |
| Pyrene | ug/L | -/- | ANR | ANR | ANR | ANR |
| Toxaphene | ug/L | -/- | ANR | ANR | ANR | ANR |
| trans-1,2-Dichloroethene | ug/L | -/- | ANR | ANR | ANR | ANR |
| trans-1,3-Dichloropropene | ug/L | -/- | ANR | ANR | ANR | ANR |

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26, 2008

| _ _ | _ ( / ) | _ ( / ) | _ ( / ) | _ E | | 1 8 E | ( / ) ( / ) | ( / ) ( / ) |
|---|---|---|---|---|---|---|---|---|
| 1,2,3,4,6,7,8-HpCDD | 0.00E+00 | 2.50E-05 | 3.56E-05 | -- | | 0.01 | 3.56 -07 | 3.56 -07 |
| 1,2,3,4,6,7,8-HpCDF | 0.00E+00 | 2.50E-05 | 6.39E-06 | J (DNQ) | | 0.01 | 6.3 -08 | |
| 1,2,3,4,7,8,9-HpCDF | 2.41E-06 | 2.50E-05 | ND | U | | 0.01 | | |
| 1,2,3,4,7,8-HxCDD | 4.71E-06 | 2.50E-05 | ND | U | | 0.1 | | |
| 1,2,3,4,7,8-HxCDF | 1.61E-06 | 2.50E-05 | ND | U | | 0.1 | | |
| 1,2,3,6,7,8-HxCDD | 4.48E-06 | 2.50E-05 | ND | U | | 0.1 | | |
| 1,2,3,6,7,8-HxCDF | 1.73E-06 | 2.50E-05 | ND | U | | 0.1 | | |
| 1,2,3,7,8,9-HxCDD | 4.27E-06 | 2.50E-05 | ND | U | | 0.1 | | |
| 1,2,3,7,8,9-HxCDF | 2.48E-06 | 2.50E-05 | ND | U | | 0.1 | | |
| 1,2,3,7,8-PeCDD | 1.73E-06 | 2.50E-05 | ND | U | | 1 | | |
| 1,2,3,7,8-PeCDF | 1.70E-06 | 2.50E-05 | ND | U | | 0.05 | | |
| 2,3,4,6,7,8-HxCDF | 1.96E-06 | 2.50E-05 | ND | U | | 0.1 | | |
| 2,3,4,7,8-PeCDF | 1.93E-06 | 2.50E-05 | ND | U | | 0.5 | | |
| 2,3,7,8-TCDD | 1.05E-06 | 5.00E-06 | ND | U | | 1 | | |
| 2,3,7,8-TCDF | 1.09E-06 | 5.00E-06 | ND | U | | 0.1 | | |
| OCDD | 0.00E+00 | 5.00E-05 | 4.28E-04 | -- | | 0.0001 | 4.28 -08 | 4.28 -08 |
| OCDF | 0.00E+00 | 5.00E-05 | 2.45E-05 | J (DNQ) | | 0.0001 | 2.45 -0 | |

| | | |
|---|---|---|
| / | 4.65 -07 | |
| / | | 3. -07 |

Dioxin TCDD TEQ compliance limit established for this outfall? Yes − 2.80 -08

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

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1 30, 2008

| | | | 11/26/2008 | |
|---|---|---|---|---|
| | | | | E |
| | | | | |
| Chloride | LBS/DAY | 22,268/- | 3.23 | * |
| Nitrate + Nitrite as Nitrogen (N) | LBS/DAY | 1,485/- | 0.55 | * |
| Oil & Grease | LBS/DAY | 2,227/- | 1.62 | J* (DNQ) |
| Perchlorate | LBS/DAY | 0.89/- | ND | * |
| Sulfate | LBS/DAY | 37,113/- | 13.29 | * |
| Total Dissolved Solids | LBS/DAY | 126,184/- | 63.54 | * |
| Antimony | LBS/DAY | 0.89/- | 0.00034 | J* (DNQ) |
| Cadmium | LBS/DAY | 0.59/- | 0.00037 | J* (DNQ) |
| Copper | LBS/DAY | 2.08/- | 0.0039 | B* |
| Lead | LBS/DAY | 0.77/- | 0.0014 | * |
| Mercury | LBS/DAY | 0.02/- | 0.000032 | J (*III,DNQ) |
| Thallium | LBS/DAY | 0.3/- | ND | * |
| TCDD TEQ_NoDNQ | LBS/DAY | 4.2E-09/- | 2.30E-10 | -- |

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

# OUTFALL 009 (WS-13 Drainage)

## FOURTH QUARTER 2008 REPORTING SUMMARY
## THE BOEING COMPANY
## SANTA SUSANA FIELD LABORATORY
## NPDES PERMIT CA0001309

### December 1 through December 31, 2008

| | | | 12/15/2008 | |
|---|---|---|---|---|
| **ANALYTE** | **UNITS** | **Permit Limit Daily Max/Monthly Avg** | **Result** | **CONCENTRATION RESULT VALIDATION QUALIFIER** |
| | | | | |
| Chloride | LBS/DAY | 22,268/- | 37.46 | * |
| Nitrate + Nitrite as Nitrogen (N) | LBS/DAY | 1,485/- | 2.96 | * |
| Oil & Grease | LBS/DAY | 2,227/- | 13.28 | B, J* (DNQ) |
| Sulfate | LBS/DAY | 37,113/- | 34.05 | * |
| Total Dissolved Solids | LBS/DAY | 126,184/- | 340.53 | * |
| Antimony | LBS/DAY | 0.89/- | ND | U (B) |
| Cadmium | LBS/DAY | 0.59/- | 0.0018 | J (DNQ) |
| Copper | LBS/DAY | 2.08/- | 0.041 | -- |
| Lead | LBS/DAY | 0.77/- | 0.065 | -- |
| Mercury | LBS/DAY | 0.02/- | 0.00025 | J (DNQ) |
| Thallium | LBS/DAY | 0.3/- | ND | U |
| TCDD TEQ_NoDNQ | LBS/DAY | 4.2E-09/- | 6.23E-09 | -- |

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

# OUTFALL 009 (WS- Drainage)

## BENCHMARK SUMMARY
## THE BOEING COMPANY
## SANTA SUSANA FIELD LABORATORY
## NPDES PERMIT CA0001309

**Sample Date February 3, 2008**

**E 010 ( 203)**

**E 2008**

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**1 31, 2008**

| | | | **11/26/2008** | | **12/15/2008** | |
|---|---|---|---|---|---|---|
| | | | **E** | | **E** | |
| Chloride | mg/L | 150/- | 41 | * | 32 | * |
| Fluoride | mg/L | 1.6/- | ANR | ANR | ANR | ANR |

E 010 ( 203)

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11/26/2008 12/15/2008

**E 010 ( 203)**

**E 2008**

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**1 31, 2008**

| | | | 11/26/2008 | | 12/15/2008 | |
|---|---|---|---|---|---|---|
| | | | | E | | E |
| 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 |
| beta-BHC | ug/L | -/- | ANR | ANR | ANR | ANR |
| bis (2-Chloroeth | | | | | | |

E 010 ( 203)

E 2008

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1 31, 2008

| | | | 11/26/2008 | | 12/15/2008 | |
|---|---|---|---|---|---|---|
| | | | | E | | E |
| Lindane (gamma-BHC) | ug/L | -/- | ANR | ANR | ANR | ANR |
| Methylene Chloride | 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 |
| Pentachlorophenol | ug/L | -/- | ANR | ANR | ANR | ANR |
| Phenanthrene | ug/L | -/- | ANR | ANR | ANR | ANR |
| Phenol | ug/L | -/- | ANR | ANR | ANR | ANR |
| Pyrene | ug/L | -/- | ANR | ANR | ANR | ANR |
| Toxaphene | ug/L | -/- | ANR | ANR | ANR | ANR |
| trans-1,2-Dichloroethene | ug/L | -/- | ANR | ANR | ANR | ANR |
| trans-1,3-Dichloropropene | ug/L | -/- | ANR | ANR | ANR | ANR |

**E 010 ( 203)**

**E _ 2008**

**E _ _ 000130**

**15, 2008**

| _ _ | ( / ) | ( / ) | ( / ) | _ E | 1 8 E | ( / ) | ( / ) |
|---|---|---|---|---|---|---|---|
| 1,2,3,4,6,7,8-HpCDD | 1.23E-05 | 2.50E-05 | ND | U | 0.01 | | |
| 1,2,3,4,6,7,8-HpCDF | 2.69E-06 | 2.50E-05 | ND | U | 0.01 | | |
| 1,2,3,4,7,8,9-HpCDF | 3.30E-06 | 2.50E-05 | ND | U | 0.01 | | |
| 1,2,3,4,7,8-HxCDD | 2.88E-06 | 2.50E-05 | ND | U | 0.1 | | |
| 1,2,3,4,7,8-HxCDF | 7.71E-07 | 2.50E-05 | ND | U | 0.1 | | |
| 1,2,3,6,7,8-HxCDD | 2.57E-06 | 2.50E-05 | ND | U | 0.1 | | |
| 1,2,3,6,7,8-HxCDF | 8.98E-07 | 2.50E-05 | ND | U | 0.1 | | |
| 1,2,3,7,8,9-HxCDD | 2.52E-06 | 2.50E-05 | ND | U | 0.1 | | |
| 1,2,3,7,8,9-HxCDF | 1.67E-06 | 2.50E-05 | ND | U | 0.1 | | |
| 1,2,3,7,8-PeCDD | 1.67E-06 | 2.50E-05 | ND | U | 1 | | |
| 1,2,3,7,8-PeCDF | 1.12E-06 | 2.50E-05 | ND | U | 0.05 | | |
| 2,3,4,6,7,8-HxCDF | 1.10E-06 | 2.50E-05 | ND | U | 0.1 | | |
| 2,3,4,7,8-PeCDF | 1.17E-06 | 2.50E-05 | ND | U | 0.5 | | |
| 2,3,7,8-TCDD | 5.44E-07 | 5.00E-06 | ND | U | 1 | | |
| 2,3,7,8-TCDF | 5.40E-07 | 5.00E-06 | ND | U | 0.1 | | |
| OCDD | 0.00E+00 | 5.00E-05 | 6.01E-05 | -- | 50 | 50E-05 | 2 0 Td (D)Tj363334933724 0 Td (N)Tj 0.7282Td (-)Tj 0.329756 0 Td |

E 010 ( 203)

E 2008

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1 30, 2008

| | | | 11/26/2008 | |
|---|---|---|---|---|
| | | | | E |
| | | | | |
| Chloride | LBS/DAY | 22,268/- | 0.44 | * |
| Nitrate + Nitrite as Nitrogen (N) | LBS/DAY | 1,485/- | 0.03 | * |
| Oil & Grease | LBS/DAY | 2,227/- | 0.02 | J* (DNQ) |
| Perchlorate | LBS/DAY | 0.89/- | ND | * |
| Sulfate | LBS/DAY | 37,113/- | 0.45 | * |
| Total Dissolved Solids | LBS/DAY | 126,184/- | 3.31 | * |
| Antimony | LBS/DAY | 0.89/- | 0.0000072 | J* (DNQ) |
| Cadmium | LBS/DAY | 0.59/- | 0.0000026 | J* (DNQ) |
| Copper | LBS/DAY | 2.08/- | 0.000062 | B* |
| Lead | LBS/DAY | 0.77/- | 0.000021 | * |
| Mercury | LBS/DAY | 0.02/- | ND | UJ (*III) |
| Thallium | LBS/DAY | 0.3/- | ND | * |
| TCDD TEQ_NoDNQ | LBS/DAY | 4.2E-09/- | 7.32E-14 | -- |

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

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1 31, 2008

| | | 010 EE-1 11/26/2008 15 00 | 010 EE-1 12/15/2008 7 30 00 | 010 EE-2 12/15/2008 8 30 00 | 010 EE-3 12/15/2008 30 00 | 010 EE-4 12/15/2008 10 30 00 |
|---|---|---|---|---|---|---|
| Density | g/cc | 0.99* | 0.99* | 0.98* | 0.98* | 0.98* |
| Sediment | mg/L | ND <10* | ND <10* | ND <10* | ND <10* | 10* |

| | | 010 EE-5 12/15/2008 11 30 00 | 010 EE-6 12/15/2008 12 30 00 | 010 EE-7 12/15/2008 1 30 00 | 010 EE-8 12/15/2008 2 30 00 | 010 EE- 12/15/2008 3 30 00 |
|---|---|---|---|---|---|---|
| Density | g/cc | 0.99* | 0.98* | 0.99* | 0.98* | 0S90.! |

**E 013 ( )**

**E 2008**

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**1 31, 2008**

| | | | 12/15/2008 | |
|---|---|---|---|---|
| | | | | **E** |
| Zinc, dissolved | ug/L | -/- | 3.8 | B, J* (DNQ) |
| 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 |
| 1,4-Dioxane | ug/L | 3/- | ND < 1.0 | * |

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| | | | 12/15/2008 | |
|---|---|---|---|---|
| | | | | E |
| Chlordane | ug/L | -/ | | |

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|---|---|---|---|---|
| | | | | E |
| Phenanthrene | ug/L | -/- | ANR | ANR |
| Phenol | ug/L | -/- | ANR | ANR |
| Pyrene | ug/L | -/- | ANR | ANR |
| tertiary Butyl Alcohol | ug/L | 12/- | ND < 6.5 | * |
| Toxaphene | ug/L | -/- | ANR | ANR |
| trans-1,2-Dichloroethene | ug/L | -/- | ANR | ANR |
| trans-1,3-Dichloropropene | ug/L | -/- | ANR | ANR |

## OUTFALL 013 (Bravo Test Stand)

### FOURTH QUARTER 2008 REPORTING SUMMARY
### THE BOEING COMPANY
### SANTA SUSANA FIELD LABORATORY
### NPDES PERMIT CA0001309

### Sample Date December 15, 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 | 7.06E-06 | 2.50E-05 | ND | U | | 0.01 | **ND** | **ND** |
| 1,2,3,4,6,7,8-HpCDF | 2.04E-06 | 2.50E-05 | ND | U | | 0.01 | **ND** | **ND** |
| 1,2,3,4,7,8,9-HpCDF | 2.83E-06 | 2.50E-05 | ND | U | | 0.01 | **ND** | **ND** |
| 1,2,3,4,7,8-HxCDD | 4.04E-06 | 2.50E-05 | ND | U | | 0.1 | **ND** | **ND** |
| 1,2,3,4,7,8-HxCDF | 1.38E-06 | 2.50E-05 | ND | U | | 0.1 | **ND** | **ND** |
| 1,2,3,6,7,8-HxCDD | 3.91E-06 | 2.50E-05 | ND | U | | 0.1 | **ND** | **ND** |
| 1,2,3,6,7,8-HxCDF | 1.42E-06 | 2.50E-05 | ND | U | | 0.1 | **ND** | **ND** |
| 1,2,3,7,8,9-HxCDD | 3.70E-06 | 2.50E-05 | ND | U | | 0.1 | **ND** | **ND** |
| 1,2,3,7,8,9-HxCDF | 2.69E-06 | 2.50E-05 | ND | U | | 0.1 | **ND** | **ND** |
| 1,2,3,7,8-PeCDD | 2.49E-06 | 2.50E-05 | ND | U | | 1 | **ND** | **ND** |
| 1,2,3,7,8-PeCDF | 2.04E-06 | 2.50E-05 | ND | U | | 0.05 | **ND** | **ND** |
| 2,3,4,6,7,8-HxCDF | 1.74E-06 | 2.50E-05 | ND | U | | 0.1 | **ND** | **ND** |
| 2,3,4,7,8-PeCDF | 2.23E-06 | 2.50E-05 | ND | U | | 0.5 | **ND** | **ND** |
| 2,3,7,8-TCDD | 8.37E-07 | 5.00E-06 | ND | U | | 1 | **ND** | **ND** |
| 2,3,7,8-TCDF | 7.35E-07 | 5.00E-06 | ND | U | | 0.1 | **ND** | **ND** |
| OCDD | 0.00E+00 | 5.00E-05 | 3.14E-05 | J (DNQ) | | 0.0001 | **3.14E-09** | **ND** |
| OCDF | 7.49E-06 | 5.00E-05 | ND | U | | 0.0001 | **ND** | **ND** |

| | | |
|---|---|---|
| **TCDD TEQ w/ DNQ Values** | **3.14E-09** | |
| **TCDD TEQ w/out DNQ Values** | | **ND** |

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.

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| | | | | |
|---|---|---|---|---|
| Chloromethane | ug/L | -/- | ANR | ANR |
| Chrysene | ug/L | -/- | ANR | ANR |
| cis-1,3-Dichloropropene | ug/L | -/- | ANR | ANR |
| delta-BHC | ug/L | -/- | ANR | ANR |
| Dibenzo(a,h)anthracene | ug/L | -/- | ANR | ANR |
| Dibromochloromethane | ug/L | -/- | ANR | ANR |
| Dieldrin | ug/L | -/- | ANR | ANR |
| Diethylphthalate | ug/L | -/- | ANR | ANR |
| Diisopropyl ether | ug/L | -/- | ND < 0.25 | * |
| Dimethylphthalate | ug/L | -/- | ANR | ANR |
| Di-n-butylphthalate | ug/L | -/- | ANR | ANR |
| Di-n-octylphthalate | ug/L | -/- | ANR | ANR |
| Endosulfan I | ug/L | -/- | ANR | ANR |
| Endosulfan II | ug/L | -/- | ANR | ANR |
| Endosulfan sulfate | ug/L | -/- | ANR | ANR |
| Endrin | ug/L | -/- | ANR | ANR |
| Endrin aldehyde | 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 |
| Hydrazine | ug/L | -/- | ND < 0.15 | U |
| Unsymmetrical Dimethyl Hydrazine | ug/L | -/- | ND < 0.315 | U |
| Indeno(1,2,3-cd)pyrene | ug/L | -/- | ANR | ANR |
| Isophorone | ug/L | -/- | ANR | ANR |
| Lindane (gamma-BHC) | ug/L | -/- | ANR | ANR |
| Methylene Chloride | ug/L | -/- | ANR | ANR |
| Methyl-tert-butyl ether | ug/L | -/- | ND < 0.32 | * |
| Monomethyl Hydrazine | ug/L | -/- | ND < 0.561 | U |
| Naphthalene | ug/L | 21/- | ND < 2.8 | * |
| Nitrobenzene | ug/L | -/- | ANR | ANR |
| n-Nitrosodimethylamine | ug/L | -/- | ND < 2.4 | * |
| n-Nitroso-di-n-propylamine | ug/L | -/- | ANR | ANR |

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|---|---|---|---|---|
| | | | | E |
| n-Nitrosodiphenylamine | ug/L | -/- | ANR | ANR |
| Pentachlorophenol | ug/L | -/- | ANR | ANR |
| Phenanthrene | ug/L | -/- | ANR | ANR |
| Phenol | ug/L | -/- | ANR | ANR |
| Pyrene | ug/L | -/- | ANR | ANR |
| tertiary Butyl Alcohol | ug/L | 12/- | ND < 6.5 | * |
| Toxaphene | ug/L | -/- | ANR | ANR |
| trans-1,2-Dichloroethene | ug/L | -/- | ANR | ANR |
| trans-1,3-Dichloropropene | ug/L | -/- | ANR | ANR |

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| | ( / ) | ( / ) | ( / ) | **E** | **E** | ( / ) | ( / ) |
| 1,2,3,4,6,7,8-HpCDD | 0.00E+00 | 2.50E-05 | 2.33E-05 | J (DNQ) | 0.01 | **2.33 -07** | |
| 1,2,3,4,6,7,8-HpCDF | 0.00E+00 | 2.50E-05 | 1.69E-06 | J (DNQ) | 0.01 | **1.6 -0** | |

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|---|---|---|---|---|
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| Benzo(b)fluoranthene | ug/L | -/- | ANR | ANR |
| Benzo(g,h,I)perylene | ug/L | -/- | ANR | ANR |
| Benzo(k)fluoranthene | ug/L | -/- | ANR | ANR |
| beta-BHC | ug/L | -/- | ANR | ANR |
| bis (2-Chloroethyl) ether | ug/L | -/- | ANR | ANR |
| bis (2-ethylhexyl) Phthalate | ug/L | -/- | ANR | ANR |
| bis(2-Chloroethoxy) methane | ug/L | -/- | ANR | ANR |
| bis(2-Chloroisopropyl) ether | ug/L | -/- | ANR | ANR |
| Bromodichloromethane | ug/L | -/- | ANR | ANR |
| Bromoform | ug/L | -/- | ANR | ANR |
| Bromomethane | ug/L | -/- | ANR | ANR |
| Butylbenzylphthalate | ug/L | -/- | ANR | ANR |
| Chlordane | ug/L | 0.001/- | ND < 0.038 | * |
| Chlorobenzene | ug/L | -/- | ANR | ANR |
| Chloroethane | ug/L | -/- | ANR | ANR |
| Chloromethane | ug/L | -/- | ANR | ANR |
| Chrysene | ug/L | -/- | ANR | ANR |
| Chlorpyrifos | ug/L | 0.02/- | ND < 0.52 | U |
| cis-1,3-Dichloropropene | ug/L | -/- | ANR | ANR |
| delta-BHC | ug/L | -/- | ANR | ANR |
| Dibenzo(a,h)anthracene | ug/L | -/- | ANR | ANR |
| Dibromochloromethane | ug/L | -/- | ANR | ANR |
| Dieldrin | ug/L | 0.0002/- | ND < 0.0019 | * |
| Diethylphthalate | ug/L | -/- | ANR | ANR |
| Dimethylphthalate | ug/L | -/- | ANR | ANR |
| Di-n-butylphthalate | ug/L | -/- | ANR | ANR |
| Di-n-octylphthalate | ug/L | -/- | ANR | ANR |
| Endosulfan I | ug/L | -/- | ANR | ANR |
| Endosulfan II | ug/L | -/- | ANR | ANR |
| Endosulfan sulfate | ug/L | -/- | ANR | ANR |
| Endrin | ug/L | -/- | ANR | ANR |
| Endrin aldehyde | 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 |

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

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