

SECTION 8

OUTFALL 011 (PERIMETER POND WEIR)  
ANNUAL 2010 REPORTING SUMMARY

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**OUTFALL 011 (Perimeter Pond Weir)**

**ANNUAL 2010 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1, 2010 through July 18, 2010

| ANALYTE                               | UNITS    | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 1/20/2010-1/21/2010 |            |                         | 2/6/2010-2/7/2010 |            |                         |
|---------------------------------------|----------|---|---------------------|------------|-------------------------|-------------------|------------|-------------------------|
|                                       |          |   | SAMPLE<br>TYPE      | RESULT     | VALIDATION<br>QUALIFIER | SAMPLE<br>TYPE    | RESULT     | VALIDATION<br>QUALIFIER |
| Ammonia as Nitrogen (N)               | mg/L     | 10.1/1.96                                   | Comp                | ND < 0.50  | *                       | Comp              | ND < 0.50  | *                       |
| Biochemical Oxygen Demand (BOD 5 day) | mg/L     | 30/20                                       | Comp                | 1.6        | Ja* (DNQ)               | Comp              | 2.0        | *                       |
| Chloride                              | mg/L     | 150/-                                       | Comp                | 11         | *                       | Comp              | 3.7        | *                       |
| Specific Conductivity (Lab)           | umhos/cm | -/-   | Grab                | 170        | --                      | Grab              | 140        | --                      |
| Surfactants (MBAS)                    | mg/L     | 0.5/-                                       | Comp                | ND < 0.025 | *                       | Comp              | 0.042      | J* (DNQ)                |
| Fluoride                              | mg/L     | 1.6/-                                       | ANR                 | ANR        | ANR                     | Comp              | 0.21       | B*                      |
| Nitrate + Nitrite as Nitrogen (N)     | mg/L     | 8.0/-                                       | Comp                | 0.48       | *                       | Comp              | 0.93       | *                       |
| Nitrate as Nitrogen (N)               | mg/L     | 8.0/-                                       | Comp                | 0.46       | *                       | Comp              | 0.93       | *                       |
| Nitrite-N                             | mg/L     | 1.0/-                                       | Comp                | ND < 0.090 | *                       | Comp              | ND < 0.090 | *                       |
| Oil & Grease                          | mg/L     | 15/10                                       | Grab                | ND < 1.3   | *                       | Grab              | ND < 1.3   | *                       |
| Perchlorate                           | ug/L     | 6.0/-                                       | Comp                | ND < 0.90  | *                       | Comp              | ND < 0.90  | *                       |
| pH (Field)                            | pH units | 6.5-8.5/-                                   | Grab                | 7.5        | *                       | Grab              | 6.9        | *                       |
| Total Settleable Solids               | ml/L     | 0.3/0.1                                     | Grab                | 0.10       | --                      | Grab              | ND < 0.10  | *                       |
| Sulfate                               | mg/L     | 300/-                                       | Comp                | 3.2        | *                       | Comp              | 13         | *                       |
| Temperature                           | deg. F   | 86/-  | Grab                | 49         | *                       | Grab              | 53         | *                       |
| Total Cyanide                         | ug/L     | 8.5/4.3                                     | Grab                | ND < 2.2   | *                       | Grab              | ND < 2.2   | *                       |
| Total Dissolved Solids                | mg/L     | 950/-                                       | Comp                | 120        | *                       | Comp              | 120        | *                       |
| Hardness                              | mg/L     | -/-   | ANR                 | ANR        | ANR                     | Comp              | 53         | --                      |
| Hardness, dissolved                   | mg/L     | -/-   | ANR                 | ANR        | ANR                     | Comp              | 52         | --                      |
| Total Organic Carbon                  | mg/L     | -/-   | ANR                 | ANR        | ANR                     | Comp              | 10         | --                      |
| Total Residual Chlorine (Field)       | mg/L     | 0.1/-                                       | ANR                 | ANR        | ANR                     | Grab              | 0.06       | *                       |
| Total Suspended Solids                | mg/L     | 45/15                                       | Comp                | 280        | --                      | Comp              | 10         | *                       |
| Turbidity                             | NTU      | -/-   | Comp                | 140        | --                      | Comp              | 36         | --                      |
| Volume Discharged                     | MGD      | 160/-                                       | Meas                | 0.48396    | *                       | Meas              | 0.1151     | *                       |
| <b>METALS</b>                         |          |   |                     |            |                         |                   |            |                         |
| Antimony                              | ug/L     | 6.0/-                                       | ANR                 | ANR        | ANR                     | Comp              | 1.0        | J* (DNQ)                |
| Antimony, dissolved                   | ug/L     | -/-   | ANR                 | ANR        | ANR                     | Comp              | 1.0        | J* (DNQ)                |
| Arsenic                               | ug/L     | 10/-  | ANR                 | ANR        | ANR                     | Comp              | ND < 7.0   | U                       |
| Arsenic, dissolved                    | ug/L     | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 7.0   | U                       |
| Barium                                | mg/L     | 1.0/-                                       | ANR                 | ANR        | ANR                     | Comp              | 0.026      | --                      |
| Barium, dissolved                     | mg/L     | -/-   | ANR                 | ANR        | ANR                     | Comp              | 0.016      | --                      |
| Beryllium                             | ug/L     | 4.0/-                                       | ANR                 | ANR        | ANR                     | Comp              | ND < 0.90  | U                       |
| Beryllium, dissolved                  | ug/L     | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.90  | U                       |
| Boron                                 | mg/L     | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.020 | U                       |
| Boron, dissolved                      | mg/L     | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.020 | U                       |
| Cadmium                               | ug/L     | 3.1/2.0                                     | Comp                | 0.10       | J (DNQ)                 | Comp              | 0.30       | J* (DNQ)                |
| Cadmium, dissolved                    | ug/L     | -/-   | Comp                | ND < 0.10  | U                       | Comp              | 0.23       | J* (DNQ)                |
| Calcium                               | mg/L     | -/-   | ANR                 | ANR        | ANR                     | Comp              | 16         | --                      |
| Calcium, Dissolved                    | mg/L     | -/-   | ANR                 | ANR        | ANR                     | Comp              | 16         | --                      |
| Chromium                              | ug/L     | 16.3/8.1                                    | ANR                 | ANR        | ANR                     | Comp              | ND < 2.0   | U                       |
| Chromium VI                           | ug/L     | 16.3/8.1                                    | ANR                 | ANR        | ANR                     | Grab              | ND < 0.25  | *                       |
| Cobalt                                | ug/L     | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 2.0   | U                       |
| Cobalt, dissolved                     | ug/L     | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 2.0   | U                       |
| Copper                                | ug/L     | 14.0/7.1                                    | Comp                | 8.7        | J (*III)                | Comp              | 6.8        | *                       |
| Copper, dissolved                     | ug/L     | -/-   | Comp                | 1.5        | J (DNQ, *III)           | Comp              | 5.1        | *                       |
| Iron                                  | mg/L     | 0.3/-                                       | Comp                | 9.7        | --                      | Comp              | 2.0        | --                      |
| Iron, dissolved                       | mg/L     | -/-   | Comp                | 0.16       | --                      | Comp              | 0.20       | --                      |
| Lead                                  | ug/L     | 5.2/2.6                                     | Comp                | 5.7        | --                      | Comp              | 2.2        | *                       |
| Lead, dissolved                       | ug/L     | -/-   | Comp                | ND < 0.20  | U                       | Comp              | 0.75       | B, J* (DNQ)             |
| Magnesium                             | mg/L     | -/-   | ANR                 | ANR        | ANR                     | Comp              | 3.1        | --                      |
| Magnesium, Dissolved                  | mg/L     | -/-   | ANR                 | ANR        | ANR                     | Comp              | 2.7        | --                      |
| Manganese                             | ug/L     | 50/-  | Comp                | 140        | --                      | Comp              | 120        | --                      |
| Manganese, dissolved                  | ug/L     | -/-   | Comp                | 1.5        | --                      | Comp              | 75         | --                      |
| Mercury                               | ug/L     | 0.10/0.05                                   | Comp                | 0.12       | J (DNQ)                 | Comp              | ND < 0.10  | U                       |
| Mercury, dissolved                    | ug/L     | -/-   | Comp                | ND < 0.10  | U                       | Comp              | ND < 0.10  | U                       |
| Nickel                                | ug/L     | 96/35                                       | ANR                 | ANR        | ANR                     | Comp              | 2.1        | J (DNQ)                 |
| Nickel, dissolved                     | ug/L     | -/-   | ANR                 | ANR        | ANR                     | Comp              | 2.9        | J (R, DNQ)              |

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|--------------------------------------|-------|---|---------------------|------------|-------------------------|-------------------|------------|-------------------------|
|                                      |       |   | SAMPLE<br>TYPE      | RESULT     | VALIDATION<br>QUALIFIER | SAMPLE<br>TYPE    | RESULT     | VALIDATION<br>QUALIFIER |
| Selenium                             | ug/L  | 8.2/4.1                                     | Comp                | ND < 0.50  | U                       | Comp              | 0.55       | J* (DNQ)                |
| Selenium, dissolved                  | ug/L  | -/-   | Comp                | ND < 0.50  | U                       | Comp              | 0.56       | J* (DNQ)                |
| Silver                               | ug/L  | 4.1/2.0                                     | ANR                 | ANR        | ANR                     | Comp              | 0.12       | J* (DNQ)                |
| Silver, dissolved                    | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.10  | *                       |
| Thallium                             | ug/L  | 2.0/-                                       | ANR                 | ANR        | ANR                     | Comp              | 0.20       | J* (DNQ)                |
| Thallium, dissolved                  | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.20  | *                       |
| Vanadium                             | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | 4.5        | J (DNQ)                 |
| Vanadium, dissolved                  | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 3.0   | U                       |
| Zinc                                 | ug/L  | 119/54                                      | Comp                | 32         | J (*III)                | Comp              | 17         | J (DNQ)                 |
| Zinc, dissolved                      | ug/L  | -/-   | Comp                | 6.2        | J (DNQ, *III)           | Comp              | 10         | J (DNQ)                 |
| <b>ORGANICS</b>                      |       |   |                     |            |                         |                   |            |                         |
| Benzene                              | ug/L  | -/-   | Grab                | ND < 0.28  | *                       | Grab              | ND < 0.28  | *                       |
| Carbon Tetrachloride                 | ug/L  | -/-   | Grab                | ND < 0.28  | *                       | Grab              | ND < 0.28  | *                       |
| Chloroform                           | ug/L  | -/-   | Grab                | ND < 0.33  | *                       | Grab              | ND < 0.33  | *                       |
| 1,1-Dichloroethane                   | ug/L  | -/-   | Grab                | ND < 0.40  | *                       | Grab              | ND < 0.40  | *                       |
| 1,2-Dichloroethane                   | ug/L  | -/-   | Grab                | ND < 0.28  | *                       | Grab              | ND < 0.28  | *                       |
| 1,1-Dichloroethene                   | ug/L  | 6.0/3.2                                     | Grab                | ND < 0.42  | *                       | Grab              | ND < 0.42  | *                       |
| 1,4-Dioxane                          | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 1.0   | *                       |
| Ethylbenzene                         | ug/L  | -/-   | Grab                | ND < 0.25  | *                       | Grab              | ND < 0.25  | *                       |
| Tetrachloroethene                    | ug/L  | -/-   | Grab                | ND < 0.32  | *                       | Grab              | ND < 0.32  | *                       |
| Toluene                              | ug/L  | -/-   | Grab                | ND < 0.36  | *                       | Grab              | ND < 0.36  | *                       |
| Xylenes (Total)                      | ug/L  | -/-   | Grab                | ND < 0.90  | *                       | Grab              | ND < 0.90  | *                       |
| 1,1,1-Trichloroethane                | ug/L  | -/-   | Grab                | ND < 0.30  | *                       | Grab              | ND < 0.30  | *                       |
| 1,1,2-Trichloroethane                | ug/L  | -/-   | Grab                | ND < 0.30  | *                       | Grab              | ND < 0.30  | *                       |
| Trichloroethene                      | ug/L  | 5.0/-                                       | Grab                | ND < 0.26  | *                       | Grab              | ND < 0.26  | *                       |
| Trichlorofluoromethane               | ug/L  | -/-   | Grab                | ND < 0.34  | *                       | Grab              | ND < 0.34  | *                       |
| Trichlorotrifluoroethane (Freon 113) | ug/L  | -/-   | Grab                | ND < 0.50  | *                       | Grab              | ND < 0.50  | *                       |
| Vinyl Chloride                       | ug/L  | -/-   | Grab                | ND < 0.40  | *                       | Grab              | ND < 0.40  | *                       |
| <b>TPH</b>                           |       |   |                     |            |                         |                   |            |                         |
| DRO (C13 - C28)                      | mg/L  | -/-   | ANR                 | ANR        | ANR                     | Grab              | ND < 0.048 | *                       |
| GRO (C4 - C12)                       | mg/L  | -/-   | ANR                 | ANR        | ANR                     | Grab              | ND < 0.025 | *                       |
| <b>ADDITIONAL ANALYTES</b>           |       |   |                     |            |                         |                   |            |                         |
| 1,2-Dichloro-1,1,2-trifluoroethane   | ug/L  | -/-   | Grab                | ND < 1.1   | *                       | Grab              | ND < 1.1   | *                       |
| 2,4,5-Trichlorophenol                | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.19  | U                       |
| 1,1,2,2-Tetrachloroethane            | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Grab              | ND < 0.30  | *                       |
| 1,2,4-Trichlorobenzene               | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094 | U                       |
| 1,2-Dichlorobenzene                  | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094 | U                       |
| 1,2-Dichlorobenzene                  | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Grab              | ND < 0.32  | *                       |
| 1,2-Dichloropropane                  | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Grab              | ND < 0.35  | *                       |
| 1,2-Diphenylhydrazine/Azobenzene     | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094 | U                       |
| 1,3-Dichlorobenzene                  | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094 | U                       |
| 1,3-Dichlorobenzene                  | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Grab              | ND < 0.35  | *                       |
| 1,4-Dichlorobenzene                  | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.19  | U                       |
| 1,4-Dichlorobenzene                  | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Grab              | ND < 0.37  | *                       |
| 2,4,6-Trichlorophenol                | ug/L  | 13.0/6.5                                    | Comp                | ND < 0.094 | *                       | Comp              | ND < 0.094 | U                       |
| 2,4-Dichlorophenol                   | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.19  | U                       |
| 2,4-Dimethylphenol                   | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.28  | U                       |
| 2,4-Dinitrophenol                    | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.85  | UJ (C)                  |
| 2,4-Dinitrotoluene                   | ug/L  | 18.3/9.1                                    | Comp                | ND < 0.19  | *                       | Comp              | ND < 0.19  | U                       |
| 2,6-Dinitrotoluene                   | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094 | U                       |
| 2-Chloroethylvinylether              | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Grab              | ND < 1.8   | *                       |
| 2-Chloronaphthalene                  | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094 | U                       |
| 2-Chlorophenol                       | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.19  | U                       |
| 2-Methyl-4,6-dinitrophenol           | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.19  | R (R)                   |
| 2-Methylnaphthalene                  | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094 | U                       |
| 2-Methylphenol                       | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094 | U                       |
| 2-Nitrophenol                        | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094 | U                       |
| 3,3'-Dichlorobenzidine               | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 4.7   | UJ (*III)               |

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|------------------------------|------------|---|---------------------|-------------|-------------------------|-------------------|-------------|-------------------------|
|                              |            |   | SAMPLE<br>TYPE      | RESULT      | VALIDATION<br>QUALIFIER | SAMPLE<br>TYPE    | RESULT      | VALIDATION<br>QUALIFIER |
| 4,4'-DDD                     | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.0019 | C*                      |
| 4,4'-DDE                     | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.0028 | *                       |
| 4,4'-DDT                     | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.0038 | *                       |
| 4-Bromophenylphenylether     | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| 4-Chloro-3-methylphenol      | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.19   | U                       |
| 4-Chloroaniline              | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | UJ (*III)               |
| 4-Chlorophenylphenylether    | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| 4-Nitrophenol                | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 2.4    | U                       |
| Acenaphthene                 | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| Acenaphthylene               | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| Acrolein                     | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Grab              | ND < 4.0    | *                       |
| Acrylonitrile                | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Grab              | ND < 1.2    | *                       |
| Acute Toxicity               | % SURVIVAL | 70-100/-                                    | ANR                 | ANR         | ANR                     | Grab              | 100         | --                      |
| Aldrin                       | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.0014 | *                       |
| alpha-BHC                    | ug/L       | 0.03/0.01                                   | Comp                | ND < 0.0024 | *                       | Comp              | ND < 0.0024 | *                       |
| Aniline                      | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.28   | UJ (*III)               |
| Anthracene                   | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| Aroclor-1016                 | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.24   | *                       |
| Aroclor-1221                 | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.24   | *                       |
| Aroclor-1232                 | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.24   | *                       |
| Aroclor-1242                 | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.24   | *                       |
| Aroclor-1248                 | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.24   | *                       |
| Aroclor-1254                 | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.24   | *                       |
| Aroclor-1260                 | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.24   | *                       |
| Benzidine                    | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 4.7    | UJ (*III)               |
| Benzo(a)anthracene           | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| Benzo(a)pyrene               | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| Benzo(b)fluoranthene         | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| Benzo(g,h,i)perylene         | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| Benzo(k)fluoranthene         | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| Benzoic acid                 | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 2.8    | UJ (C)                  |
| Benzyl alcohol               | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| beta-BHC                     | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.0038 | *                       |
| bis (2-Chloroethyl) ether    | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| bis (2-ethylhexyl) Phthalate | ug/L       | 4.0/-                                       | Comp                | ND < 1.6    | *                       | Comp              | ND < 1.6    | U                       |
| bis(2-Chloroethoxy) methane  | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| bis(2-Chloroisopropyl) ether | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| Bromodichloromethane         | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Grab              | ND < 0.30   | *                       |
| Bromoform                    | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Grab              | ND < 0.40   | *                       |
| Bromomethane                 | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Grab              | ND < 0.42   | *                       |
| Butylbenzylphthalate         | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.66   | U                       |
| Chlordane                    | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.038  | *                       |
| Chlorobenzene                | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Grab              | ND < 0.36   | *                       |
| Chloroethane                 | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Grab              | ND < 0.40   | *                       |
| Chloromethane                | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Grab              | ND < 0.40   | *                       |
| Chronic Toxicity             | TUC        | 1.0/-                                       | Comp                | 1.0         | *                       | Comp              | 1.0         | *                       |
| Chrysene                     | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| cis-1,2-Dichloroethene       | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Grab              | ND < 0.32   | *                       |
| cis-1,3-Dichloropropene      | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Grab              | ND < 0.22   | *                       |
| Cyclohexane                  | ug/L       | -/-   | Grab                | ND < 0.40   | *                       | Grab              | ND < 0.40   | *                       |
| delta-BHC                    | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.0033 | *                       |
| Dibenzo(a,h)anthracene       | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| Dibenzofuran                 | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| Dibromochloromethane         | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Grab              | ND < 0.40   | *                       |
| Dieldrin                     | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.0019 | *                       |
| Diethylphthalate             | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | 0.15        | J (DNQ)                 |
| Dimethylphthalate            | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.094  | U                       |
| Di-n-butylphthalate          | ug/L       | -/-   | ANR                 | ANR         | ANR                     | Comp              | ND < 0.19   | U                       |

OUTFALL 011 (Perimeter Pond Weir)

ANNUAL 2010 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1, 2010 through July 18, 2010

| ANALYTE                          | UNITS | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 1/20/2010-1/21/2010 |            |                         | 2/6/2010-2/7/2010 |             |                         |
|----------------------------------|-------|---|---------------------|------------|-------------------------|-------------------|-------------|-------------------------|
|                                  |       |   | SAMPLE<br>TYPE      | RESULT     | VALIDATION<br>QUALIFIER | SAMPLE<br>TYPE    | RESULT      | VALIDATION<br>QUALIFIER |
| Di-n-octylphthalate              | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094  | U                       |
| Endosulfan I                     | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.0019 | *                       |
| Endosulfan II                    | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.0028 | *                       |
| Endosulfan sulfate               | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.0028 | *                       |
| Endrin                           | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.0019 | C*                      |
| Endrin aldehyde                  | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.0019 | *                       |
| Endrin ketone                    | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.0028 | *                       |
| Fluoranthene                     | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094  | U                       |
| Fluorene                         | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094  | U                       |
| Heptachlor                       | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.0028 | C*                      |
| Heptachlor epoxide               | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.0024 | *                       |
| Hexachlorobenzene                | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094  | U                       |
| Hexachlorobutadiene              | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.19   | U                       |
| Hexachlorocyclopentadiene        | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094  | UJ (*III)               |
| Hexachloroethane                 | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.19   | U                       |
| Hydrazine                        | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.452  | U                       |
| Unsymmetrical Dimethyl Hydrazine | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 1.42   | U                       |
| Indeno(1,2,3-cd)pyrene           | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094  | U                       |
| Isophorone                       | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094  | U                       |
| Lindane (gamma-BHC)              | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.0028 | *                       |
| Methoxychlor                     | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.0033 | *                       |
| Methylene Chloride               | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Grab              | ND < 0.95   | *                       |
| m-Nitroaniline                   | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.19   | UJ (*III)               |
| Monomethyl Hydrazine             | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.857  | U                       |
| Naphthalene                      | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094  | U                       |
| Nitrobenzene                     | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094  | U                       |
| n-Nitrosodimethylamine           | ug/L  | 16.3/8.1                                    | Comp                | ND < 0.094 | *                       | Comp              | ND < 0.094  | U                       |
| n-Nitroso-di-n-propylamine       | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094  | U                       |
| n-Nitrosodiphenylamine           | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094  | UJ (C)                  |
| o-Nitroaniline                   | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094  | U                       |
| p-Cresol                         | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.19   | U                       |
| Pentachlorophenol                | ug/L  | 16.5/8.2                                    | Comp                | ND < 0.094 | *                       | Comp              | ND < 0.094  | UJ (C)                  |
| Phenanthrene                     | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094  | U                       |
| Phenol                           | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.28   | U                       |
| p-Nitroaniline                   | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.47   | UJ (*III)               |
| Pyrene                           | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.094  | U                       |
| Toxaphene                        | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Comp              | ND < 0.24   | *                       |
| trans-1,2-Dichloroethene         | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Grab              | ND < 0.30   | *                       |
| trans-1,3-Dichloropropene        | ug/L  | -/-   | ANR                 | ANR        | ANR                     | Grab              | ND < 0.32   | *                       |

**OUTFALL 011 (Perimeter Pond Weir)**

**ANNUAL 2010 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**July 19, 2010 through December 31, 2010**

| ANALYTE                               | UNITS    | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 12/22/2010-12/23/2010 |            |                         |
|---------------------------------------|----------|---|-----------------------|------------|-------------------------|
|                                       |          |   | SAMPLE<br>TYPE        | RESULT     | VALIDATION<br>QUALIFIER |
| Ammonia as Nitrogen (N)               | mg/L     | 10.1/-                                      | Comp                  | ND < 0.500 | *                       |
| Biochemical Oxygen Demand (BOD 5 day) | mg/L     | 30/-  | Comp                  | 1.0        | Ja* (DNQ)               |
| Chloride                              | mg/L     | 150/-                                       | Comp                  | 4.9        | *                       |
| Dissolved Oxygen                      | mg       | -/-   | Grab                  | 0.39       | *                       |
| Specific Conductivity (Lab)           | umhos/cm | -/-   | Grab                  | 120        | --                      |
| Surfactants (MBAS)                    | mg/L     | 0.5/-                                       | Comp                  | ND < 0.050 | *                       |
| Fluoride                              | mg/L     | 1.6/-                                       | ANR                   | ANR        | ANR                     |
| Nitrate + Nitrite as Nitrogen (N)     | mg/L     | 8/-   | Comp                  | 0.22       | Ja* (DNQ)               |
| Nitrate as Nitrogen (N)               | mg/L     | 8/-   | Comp                  | 0.22       | *                       |
| Nitrite-N                             | mg/L     | 1/-   | Comp                  | ND < 0.090 | *                       |
| Oil & Grease                          | mg/L     | 15/-  | Grab                  | ND < 1.3   | *                       |
| Perchlorate                           | ug/L     | 6.0/-                                       | Comp                  | ND < 0.90  | *                       |
| pH (Field)                            | pH units | 6.5-8.5/-                                   | Grab                  | 7.5        | *                       |
| Total Settleable Solids               | ml/L     | 0.3/-                                       | Grab                  | ND < 0.10  | *                       |
| Sulfate                               | mg/L     | 300/-                                       | Comp                  | 5.4        | *                       |
| Temperature                           | deg. F   | 86/-  | Grab                  | 50         | *                       |
| Total Cyanide                         | ug/L     | 8.5/-                                       | Comp                  | ND < 2.2   | *                       |
| Total Dissolved Solids                | mg/L     | 950/-                                       | Comp                  | 90         | *                       |
| Total Organic Carbon                  | mg/L     | -/-   | ANR                   | ANR        | ANR                     |
| Total Residual Chlorine               | mg/L     | 0.1/-                                       | ANR                   | ANR        | ANR                     |
| Total Suspended Solids                | mg/L     | 45/-  | Comp                  | 50         | --                      |
| Turbidity                             | NTU      | -/-   | Comp                  | 190        | --                      |
| Volume Discharged                     | MGD      | 160/-                                       | NA                    | 0.288      | *                       |
| <b>METALS</b>                         |          |   |                       |            |                         |
| Antimony                              | ug/L     | 6.0/-                                       | ANR                   | ANR        | ANR                     |
| Arsenic                               | ug/L     | 10/-  | ANR                   | ANR        | ANR                     |
| Barium                                | mg/L     | 1.0/-                                       | ANR                   | ANR        | ANR                     |
| Beryllium                             | ug/L     | 4.0/-                                       | ANR                   | ANR        | ANR                     |
| Boron                                 | mg/L     | -/-   | ANR                   | ANR        | ANR                     |
| Cadmium                               | ug/L     | 3.1/-                                       | Comp                  | 0.16       | J (DNQ)                 |
| Cadmium, dissolved                    | ug/L     | -/-   | Comp                  | ND < 0.10  | U                       |
| Chromium                              | ug/L     | 16/-  | ANR                   | ANR        | ANR                     |
| Chromium VI                           | ug/L     | 16/-  | ANR                   | ANR        | ANR                     |
| Cobalt                                | ug/L     | -/-   | ANR                   | ANR        | ANR                     |
| Copper                                | ug/L     | 14/-  | Comp                  | 6.29       | --                      |
| Copper, dissolved                     | ug/L     | -/-   | Comp                  | 2.2        | --                      |
| Iron                                  | mg/L     | 0.3/-                                       | Comp                  | 6.4        | --                      |
| Iron, dissolved                       | mg/L     | -/-   | Comp                  | 0.37       | --                      |
| Lead                                  | ug/L     | 5.2/-                                       | Comp                  | 4.6        | J (*III)                |
| Lead, dissolved                       | ug/L     | -/-   | Comp                  | 0.20       | J (DNQ, *III)           |
| Manganese                             | ug/L     | 50/-  | Comp                  | 62         | --                      |

**OUTFALL 011 (Perimeter Pond Weir)**

**ANNUAL 2010 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**July 19, 2010 through December 31, 2010**

| ANALYTE                              | UNITS | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 12/22/2010-12/23/2010 |             |                         |
|--------------------------------------|-------|---|-----------------------|-------------|-------------------------|
|                                      |       |   | SAMPLE<br>TYPE        | RESULT      | VALIDATION<br>QUALIFIER |
| Manganese, dissolved                 | ug/L  | -/-   | Comp                  | ND < 1.0    | U (B)                   |
| Mercury                              | ug/L  | 0.10/-                                      | Comp                  | ND < 0.10   | U                       |
| Mercury, dissolved                   | ug/L  | -/-   | Comp                  | ND < 0.10   | U                       |
| Nickel                               | ug/L  | 96/-  | ANR                   | ANR         | ANR                     |
| Selenium                             | ug/L  | 8.2/-                                       | Comp                  | ND < 0.50   | U                       |
| Selenium, dissolved                  | ug/L  | -/-   | Comp                  | ND < 0.50   | U                       |
| Silver                               | ug/L  | 4.1/-                                       | ANR                   | ANR         | ANR                     |
| Thallium                             | ug/L  | 2.0/-                                       | ANR                   | ANR         | ANR                     |
| Vanadium                             | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| Zinc                                 | ug/L  | 119/-                                       | Comp                  | 28.3        | --                      |
| Zinc, Dissolved                      | ug/L  | -/-   | Comp                  | ND < 6.00   | U                       |
| <b>ORGANICS</b>                      |       |   |                       |             |                         |
| Benzene                              | ug/L  | -/-   | Grab                  | ND < 0.28   | *                       |
| Carbon Tetrachloride                 | ug/L  | -/-   | Grab                  | ND < 0.28   | *                       |
| Chloroform                           | ug/L  | -/-   | Grab                  | ND < 0.33   | *                       |
| 1,1-Dichloroethane                   | ug/L  | -/-   | Grab                  | ND < 0.40   | *                       |
| 1,2-Dichloroethane                   | ug/L  | 0.5/-                                       | Grab                  | ND < 0.28   | *                       |
| 1,1-Dichloroethene                   | ug/L  | 6.0/-                                       | Grab                  | ND < 0.42   | *                       |
| 1,4-Dioxane                          | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| Ethylbenzene                         | ug/L  | -/-   | Grab                  | ND < 0.25   | *                       |
| Tetrachloroethene                    | ug/L  | -/-   | Grab                  | ND < 0.32   | *                       |
| Toluene                              | ug/L  | -/-   | Grab                  | ND < 0.36   | *                       |
| Xylenes (Total)                      | ug/L  | -/-   | Grab                  | ND < 0.90   | *                       |
| 1,1,1-Trichloroethane                | ug/L  | -/-   | Grab                  | ND < 0.30   | *                       |
| 1,1,2-Trichloroethane                | ug/L  | -/-   | Grab                  | ND < 0.30   | *                       |
| Trichloroethene                      | ug/L  | 5.0/-                                       | Grab                  | ND < 0.26   | *                       |
| Trichlorofluoromethane               | ug/L  | -/-   | Grab                  | ND < 0.34   | *                       |
| Trichlorotrifluoroethane (Freon 113) | ug/L  | -/-   | Grab                  | ND < 0.50   | *                       |
| Vinyl Chloride                       | ug/L  | -/-   | Grab                  | ND < 0.40   | *                       |
| <b>TPH</b>                           |       |   |                       |             |                         |
| EFH (C13 - C22)                      | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| GRO (C4 - C12)                       | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| <b>ADDITIONAL ANALYTES</b>           |       |   |                       |             |                         |
| 1,2-Dichloro-1,1,2-trifluoroethane   | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| 1,1,2,2-Tetrachloroethane            | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| 1,2,4-Trichlorobenzene               | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| 1,2-Dichlorobenzene                  | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| 1,2-Dichloropropane                  | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| 1,2-Diphenylhydrazine/Azobenzene     | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| 1,3-Dichlorobenzene                  | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| 1,4-Dichlorobenzene                  | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| 2,4,6-Trichlorophenol                | ug/L  | 13/-  | Comp                  | ND < 0.0943 | *                       |



**OUTFALL 011 (Perimeter Pond Weir)**

**ANNUAL 2010 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**July 19, 2010 through December 31, 2010**

| ANALYTE                      | UNITS      | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 12/22/2010-12/23/2010 |             |                         |
|------------------------------|------------|---|-----------------------|-------------|-------------------------|
|                              |            |   | SAMPLE<br>TYPE        | RESULT      | VALIDATION<br>QUALIFIER |
| 2,4-Dichlorophenol           | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| 2,4-Dimethylphenol           | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| 2,4-Dinitrophenol            | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| 2,4-Dinitrotoluene           | ug/L       | 18/-  | Comp                  | ND < 0.189  | *                       |
| 2,6-Dinitrotoluene           | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| 2-Chloroethylvinylether      | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| 2-Chloronaphthalene          | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| 2-Chlorophenol               | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| 2-Methyl-4,6-dinitrophenol   | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| 2-Nitrophenol                | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| 3,3'-Dichlorobenzidine       | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| 4,4'-DDD                     | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| 4,4'-DDE                     | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| 4,4'-DDT                     | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| 4-Bromophenylphenylether     | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| 4-Chloro-3-methylphenol      | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| 4-Chlorophenylphenylether    | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| 4-Nitrophenol                | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| Acenaphthene                 | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| Acrolein                     | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| Acrylonitrile                | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| Acute Toxicity               | % SURVIVAL | 70-100/-                                    | ANR                   | ANR         | ANR                     |
| Aldrin                       | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| alpha-BHC                    | ug/L       | 0.03/-                                      | Comp                  | ND < 0.0024 | *                       |
| Anthracene                   | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| Aroclor-1016                 | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| Aroclor-1221                 | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| Aroclor-1232                 | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| Aroclor-1242                 | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| Aroclor-1248                 | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| Aroclor-1254                 | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| Aroclor-1260                 | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| Benzidine                    | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| Benzo(a)anthracene           | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| Benzo(a)pyrene               | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| Benzo(b)fluoranthene         | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| Benzo(g,h,l)perylene         | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| Benzo(k)fluoranthene         | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| beta-BHC                     | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| bis (2-Chloroethyl) ether    | ug/L       | -/-   | ANR                   | ANR         | ANR                     |
| bis (2-ethylhexyl) Phthalate | ug/L       | 4.0/-                                       | Comp                  | ND < 1.60   | *                       |
| bis(2-Chloroethoxy) methane  | ug/L       | -/-   | ANR                   | ANR         | ANR                     |

**OUTFALL 011 (Perimeter Pond Weir)**

**ANNUAL 2010 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**July 19, 2010 through December 31, 2010**

| ANALYTE                      | UNITS | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 12/22/2010-12/23/2010 |        |                         |
|------------------------------|-------|---|-----------------------|--------|-------------------------|
|                              |       |   | SAMPLE<br>TYPE        | RESULT | VALIDATION<br>QUALIFIER |
| bis(2-Chloroisopropyl) ether | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Bromodichloromethane         | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Bromoform                    | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Bromomethane                 | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Butylbenzylphthalate         | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Chlordane                    | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Chlorobenzene                | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Chloroethane                 | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Chloromethane                | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Chronic Toxicity             | TUC   | 1/-   | Grab                  | 1.0    | *                       |
| Chrysene                     | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| cis-1,2-Dichloroethene       | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| cis-1,3-Dichloropropene      | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Cyclohexane                  | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| delta-BHC                    | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Dibenzo(a,h)anthracene       | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Dibromochloromethane         | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Dieldrin                     | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Diethylphthalate             | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Dimethylphthalate            | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Di-n-butylphthalate          | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Di-n-octylphthalate          | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Endosulfan I                 | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Endosulfan II                | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Endosulfan sulfate           | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Endrin                       | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Endrin aldehyde              | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Fluoranthene                 | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Fluorene                     | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Heptachlor                   | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Heptachlor epoxide           | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Hexachlorobenzene            | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Hexachlorobutadiene          | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Hexachlorocyclopentadiene    | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Hexachloroethane             | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Indeno(1,2,3-cd)pyrene       | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Isophorone                   | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Lindane (gamma-BHC)          | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Methylene Chloride           | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Monomethyl Hydrazine         | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Naphthalene                  | ug/L  | -/-   | ANR                   | ANR    | ANR                     |
| Nitrobenzene                 | ug/L  | -/-   | ANR                   | ANR    | ANR                     |

**OUTFALL 011 (Perimeter Pond Weir)**

**ANNUAL 2010 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**July 19, 2010 through December 31, 2010**

| ANALYTE                    | UNITS | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 12/22/2010-12/23/2010 |             |                         |
|----------------------------|-------|---|-----------------------|-------------|-------------------------|
|                            |       |   | SAMPLE<br>TYPE        | RESULT      | VALIDATION<br>QUALIFIER |
| n-Nitrosodimethylamine     | ug/L  | 16/-  | Comp                  | ND < 0.0943 | *                       |
| n-Nitroso-di-n-propylamine | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| n-Nitrosodiphenylamine     | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| Pentachlorophenol          | ug/L  | 16.5/-                                      | Comp                  | ND < 0.0943 | *                       |
| Phenanthrene               | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| Phenol                     | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| Pyrene                     | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| Toxaphene                  | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| trans-1,2-Dichloroethene   | ug/L  | -/-   | ANR                   | ANR         | ANR                     |
| trans-1,3-Dichloropropene  | ug/L  | -/-   | ANR                   | ANR         | ANR                     |

**OUTFALL 011 (Perimeter Pond Weir)**

**ANNUAL 2010 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Type: Composite**

**Sample Date: January 20-21, 2010**

| <b>ANALYTE</b>                   | <b>LAB LOD<br/>(ug/L)</b> | <b>LAB RL<br/>(ug/L)</b> | <b>LAB RESULT<br/>(ug/L)</b> | <b>VALIDATION<br/>QUALIFIER</b> | <b>1998 WHO TEF</b> | <b>TCDD Equivalent<br/>(w/out DNQ Values)<br/>(ug/L)</b> |
|----------------------------------|---------------------------|--------------------------|------------------------------|---------------------------------|---------------------|--|
| 1,2,3,4,6,7,8-HpCDD              | 1.10E-05                  | 4.80E-05                 | 5.10E-05                     | --                              | 0.01                | <b>5.10E-07</b>  |
| 1,2,3,4,6,7,8-HpCDF              | 5.60E-06                  | 7.80E-06                 | ND                           | U (B)                           | 0.01                | <b>ND</b>  |
| 1,2,3,4,7,8,9-HpCDF              | 8.60E-06                  | 4.80E-05                 | ND                           | U                               | 0.01                | <b>ND</b>  |
| 1,2,3,4,7,8-HxCDD                | 7.70E-06                  | 4.80E-05                 | ND                           | U                               | 0.1                 | <b>ND</b>  |
| 1,2,3,4,7,8-HxCDF                | 5.90E-06                  | 4.80E-05                 | ND                           | U                               | 0.1                 | <b>ND</b>  |
| 1,2,3,6,7,8-HxCDD                | 6.80E-06                  | 4.80E-05                 | ND                           | U                               | 0.1                 | <b>ND</b>  |
| 1,2,3,6,7,8-HxCDF                | 5.10E-06                  | 4.80E-05                 | ND                           | U                               | 0.1                 | <b>ND</b>  |
| 1,2,3,7,8,9-HxCDD                | 5.80E-06                  | 4.80E-05                 | ND                           | U                               | 0.1                 | <b>ND</b>  |
| 1,2,3,7,8,9-HxCDF                | 5.80E-06                  | 4.80E-05                 | ND                           | U                               | 0.1                 | <b>ND</b>  |
| 1,2,3,7,8-PeCDD                  | 7.80E-06                  | 4.80E-05                 | ND                           | U                               | 1                   | <b>ND</b>  |
| 1,2,3,7,8-PeCDF                  | 6.30E-06                  | 4.80E-05                 | ND                           | U                               | 0.05                | <b>ND</b>  |
| 2,3,4,6,7,8-HxCDF                | 4.90E-06                  | 4.80E-05                 | ND                           | U                               | 0.1                 | <b>ND</b>  |
| 2,3,4,7,8-PeCDF                  | 8.10E-06                  | 4.80E-05                 | ND                           | U                               | 0.5                 | <b>ND</b>  |
| 2,3,7,8-TCDD                     | 3.10E-06                  | 9.50E-06                 | ND                           | U                               | 1                   | <b>ND</b>  |
| 2,3,7,8-TCDF                     | 3.50E-06                  | 9.50E-06                 | ND                           | U                               | 0.1                 | <b>ND</b>  |
| OCDD                             | 1.70E-05                  | 9.50E-05                 | 5.30E-04                     | --                              | 0.0001              | <b>5.30E-08</b>  |
| OCDF                             | 1.40E-05                  | 9.50E-05                 | ND                           | U (B)                           | 0.0001              | <b>ND</b>  |
| <b>TCDD TEQ w/out DNQ Values</b> |                           |                          |                              |                                 |                     | <b>5.63E-07</b>  |

**TCDD TEQ PERMIT LIMIT = 2.80E-08**

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

**OUTFALL 011 (Perimeter Pond Weir)**

**ANNUAL 2010 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Type: Composite**

**Sample Date February 6-7, 2010**

| <b>ANALYTE</b>      | <b>LAB LOD<br/>(ug/L)</b> | <b>LAB RL<br/>(ug/L)</b> | <b>LAB RESULT<br/>(ug/L)</b> | <b>VALIDATION<br/>QUALIFIER</b> | <b>1998 WHO TEF</b> | <b>TCDD Equivalent<br/>(w/out DNQ Values)<br/>(ug/L)</b> |
|---------------------|---------------------------|--------------------------|------------------------------|---------------------------------|---------------------|--|
| 1,2,3,4,6,7,8-HpCDD | 9.10E-07                  | 4.90E-05                 | ND                           | U (B)                           | 0.01                | ND   |
| 1,2,3,4,6,7,8-HpCDF | 5.50E-07                  | 4.90E-05                 | ND                           | U (B)                           | 0.01                | ND   |
| 1,2,3,4,7,8,9-HpCDF | 9.70E-07                  | 4.90E-05                 | 2.30E-06                     | J (DNQ)                         | 0.01                | ND   |
| 1,2,3,4,7,8-HxCDD   | 5.20E-07                  | 4.90E-05                 | 2.10E-06                     | J (DNQ)                         | 0.1                 | ND   |
| 1,2,3,4,7,8-HxCDF   | 6.00E-07                  | 4.90E-05                 | 2.90E-06                     | J (DNQ)                         | 0.1                 | ND   |
| 1,2,3,6,7,8-HxCDD   | 4.50E-07                  | 4.90E-05                 | 2.10E-06                     | J (DNQ)                         | 0.1                 | ND   |
| 1,2,3,6,7,8-HxCDF   | 5.20E-07                  | 4.90E-05                 | 2.40E-06                     | J (DNQ)                         | 0.1                 | ND   |
| 1,2,3,7,8,9-HxCDD   | 4.10E-07                  | 1.70E-06                 | ND                           | UJ (*III)                       | 0.1                 | ND   |
| 1,2,3,7,8,9-HxCDF   | 6.90E-07                  | 1.60E-06                 | ND                           | UJ (*III)                       | 0.1                 | ND   |
| 1,2,3,7,8-PeCDD     | 8.00E-07                  | 4.90E-05                 | 2.20E-06                     | J (DNQ)                         | 1                   | ND   |
| 1,2,3,7,8-PeCDF     | 5.00E-07                  | 4.90E-05                 | 1.90E-06                     | J (DNQ)                         | 0.05                | ND   |
| 2,3,4,6,7,8-HxCDF   | 5.20E-07                  | 1.50E-06                 | ND                           | UJ (*III)                       | 0.1                 | ND   |
| 2,3,4,7,8-PeCDF     | 6.30E-07                  | 2.20E-06                 | ND                           | UJ (*III)                       | 0.5                 | ND   |
| 2,3,7,8-TCDD        | 5.50E-07                  | 9.90E-06                 | ND                           | U                               | 1                   | ND   |
| 2,3,7,8-TCDF        | 4.20E-07                  | 9.90E-06                 | ND                           | U                               | 0.1                 | ND   |
| OCDD                | 2.40E-06                  | 9.90E-05                 | 2.30E-04                     | --                              | 0.0001              | 2.30E-08   |
| OCDF                | 8.90E-07                  | 2.60E-05                 | ND                           | U (B)                           | 0.0001              | ND   |

|                                  |                 |
|----------------------------------|-----------------|
| <b>TCDD TEQ w/out DNQ Values</b> | <b>2.30E-08</b> |
|----------------------------------|-----------------|

**TCDD TEQ PERMIT LIMIT = 2.80E-08**

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

**OUTFALL 011 (Perimeter Pond Weir)**

**ANNUAL 2010 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Type: Composite**

**Sample Date December 22-23, 2010**

| <b>ANALYTE</b>      | <b>LAB LOD<br/>(ug/L)</b> | <b>LAB RL<br/>(ug/L)</b> | <b>LAB RESULT<br/>(ug/L)</b> | <b>VALIDATION<br/>QUALIFIER</b> | <b>1998 WHO TEF</b> | <b>BEF Great Lakes<br/>Water Quality<br/>Initiative</b> | <b>TCDD Equivalent<br/>(w/out DNQ Values)<br/>(ug/L)</b> |
|---------------------|---------------------------|--------------------------|------------------------------|---------------------------------|---------------------|---|--|
| 1,2,3,4,6,7,8-HpCDD | 5.70E-06                  | 5.00E-05                 | ND                           | U (B)                           | 0.01                | 0.05  | ND   |
| 1,2,3,4,6,7,8-HpCDF | 4.30E-06                  | 5.00E-05                 | ND                           | U (B)                           | 0.01                | 0.01  | ND   |
| 1,2,3,4,7,8,9-HpCDF | 5.90E-06                  | 5.00E-05                 | ND                           | U                               | 0.01                | 0.4   | ND   |
| 1,2,3,4,7,8-HxCDD   | 6.60E-06                  | 5.00E-05                 | ND                           | U                               | 0.1                 | 0.3   | ND   |
| 1,2,3,4,7,8-HxCDF   | 5.90E-06                  | 5.00E-05                 | ND                           | U                               | 0.1                 | 0.08  | ND   |
| 1,2,3,6,7,8-HxCDD   | 5.40E-06                  | 5.00E-05                 | ND                           | U                               | 0.1                 | 0.1   | ND   |
| 1,2,3,6,7,8-HxCDF   | 5.80E-06                  | 5.00E-05                 | ND                           | U                               | 0.1                 | 0.2   | ND   |
| 1,2,3,7,8,9-HxCDD   | 5.60E-06                  | 5.00E-05                 | ND                           | U                               | 0.1                 | 0.1   | ND   |
| 1,2,3,7,8,9-HxCDF   | 6.50E-06                  | 5.00E-05                 | ND                           | U                               | 0.1                 | 0.6   | ND   |
| 1,2,3,7,8-PeCDD     | 1.10E-05                  | 5.00E-05                 | ND                           | U                               | 1                   | 0.9   | ND   |
| 1,2,3,7,8-PeCDF     | 5.80E-06                  | 5.00E-05                 | ND                           | U                               | 0.05                | 0.2   | ND   |
| 2,3,4,6,7,8-HxCDF   | 5.40E-06                  | 5.00E-05                 | ND                           | U                               | 0.1                 | 0.7   | ND   |
| 2,3,4,7,8-PeCDF     | 7.10E-06                  | 5.00E-05                 | ND                           | U                               | 0.5                 | 1.6   | ND   |
| 2,3,7,8-TCDD        | 3.00E-06                  | 1.00E-05                 | ND                           | U                               | 1                   | 1   | ND   |
| 2,3,7,8-TCDF        | 2.10E-06                  | 1.00E-05                 | ND                           | U                               | 0.1                 | 0.8   | ND   |
| OCDD                | 5.60E-04                  | 1.00E-04                 | ND                           | U (B)                           | 0.0001              | 0.01  | ND   |
| OCDF                | 1.20E-05                  | 1.00E-04                 | ND                           | U (B)                           | 0.0001              | 0.02  | ND   |

|                                  |           |
|----------------------------------|-----------|
| <b>TCDD TEQ w/out DNQ Values</b> | <b>ND</b> |
|----------------------------------|-----------|

**TCDD TEQ PERMIT LIMIT = 2.80E-08**

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

**OUTFALL 011 (Perimeter Pond Weir)**

**ANNUAL 2010 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**January 1, 2010 through July 18, 2010**

| ANALYTE                                | UNITS | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 1/21/2010 (Comp) |                         |      | 2/7/2010 (Comp) |                         |      |
|--|-------|---|------------------|-------------------------|------|-----------------|-------------------------|------|
|  |       |   | RESULT           | Validation<br>Qualifier | MDA  | RESULT          | Validation<br>Qualifier | MDA  |
| <b>RADIOACTIVITY</b>                   |       |   |                  |                         |      |                 |                         |      |
| Gross Alpha                            | pCi/L | 15/-  | 3.5 ± 1.3        | J (C)                   | 1.3  | 2 ± 0.88        | J (C, DNQ)              | 0.93 |
| Gross Beta                             | pCi/L | 50/-  | 15.2 ± 1.9       | --                      | 1.5  | 3.9 ± 1.2       | J (DNQ)                 | 1.6  |
| Strontium-90                           | pCi/L | 8.0/-                                       | 0.07 ± 0.32      | R (H)                   | 0.55 | -2 ± 2.3        | UJ (C)                  | 4.3  |
| Total Combined Radium-226 & Radium 228 | pCi/L | 5.0/-                                       | 0.46 ± 0.32      | R (H)                   | 0.62 | 0.43 ± 0.24     | UJ                      | 0.51 |
| Tritium                                | pCi/L | 20000/-                                     | 43 ± 84          | U                       | 150  | ND < 500 ± 75   | U (B)                   | 94   |
| Uranium, Total                         | pCi/L | 20/-  | 0.104 ± 0.012    | UJ (H)                  | 0.21 | 0.566 ± 0.068   | J (H, DNQ)              | 0.43 |
| Potassium-40                           | pCi/L | -/-   | -40 ± 280        | U                       | 270  | -100 ± 43000    | U                       | 300  |
| Cesium 137                             | pCi/L | 200/-                                       | ND < 14 ± 6.8    | U                       | 14   | -2.9 ± 9.0      | U                       | 16   |

**OUTFALL 011 (Perimeter Pond Weir)**

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**July 19, 2010 through December 31, 2010**

| ANALYTE                                | UNITS | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 12/23/2010 (Comp) |       |                         |
|--|-------|---|-------------------|-------|-------------------------|
|  |       |   | RESULT            | MDA   | VALIDATION<br>QUALIFIER |
| <b>RADIOACTIVITY</b>                   |       |   |                   |       |                         |
| Gross Alpha                            | pCi/L | 15/-  | 5.1 ± 0.71        | 0.467 | J (C)                   |
| Gross Beta                             | pCi/L | 50/-  | 5.75 ± 0.71       | 0.926 | --                      |
| Strontium-90                           | pCi/L | 8.0/-                                       | -0.041 ± 0.33     | 0.78  | U                       |
| Total Combined Radium-226 & Radium 228 | pCi/L | 5.0/-                                       | 1.15 ± 0.54       | 1.24  | J (DNQ)                 |
| Tritium                                | pCi/L | 20000/-                                     | 49.5 ± 160        | 271   | U                       |
| Uranium, Total                         | pCi/L | 20/-  | 0.477 ± 0.055     | 0.017 | J (DNQ)                 |
| Potassium-40                           | pCi/L | -/-   | ND < 16.2         | 16.2  | U                       |
| Cesium 137                             | pCi/L | 200/-                                       | ND < 1.28         | 1.28  | U                       |



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January 1, 2010 through July 18, 2010

| ANALYTE  | UNITS   | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 01/20/2010-01/21/2010 |         |  | 02/06/2010-02/07/2010 |         |  |
|--|---------|---|-----------------------|---------|--|-----------------------|---------|--|
|  |         |   | Sample<br>Type        | Result  | Concentration<br>Result<br>Validation<br>Qualifier | Sample<br>Type        | Result  | Concentration<br>Result<br>Validation<br>Qualifier |
| Max discharge for event                          | MGD     | 160   | Meas                  | 0.2999  | *  | Meas                  | 0.1151  | *  |
| Ammonia as Nitrogen (N)                          | LBS/DAY | 13,500/2615                                 | Comp                  | ND      | *  | Comp                  | ND      | *  |
| Biochemical Oxygen Demand (BOD 5 day<br>Chloride | LBS/DAY | 40,032/26,700                               | Comp                  | 4.00    | Ja* (DNQ)  | Comp                  | 1.92    | *  |
| Surfactants (MBAS)                               | LBS/DAY | 200,160/-                                   | Comp                  | 27.51   | *  | Comp                  | 3.55    | *  |
| Fluoride   | LBS/DAY | 667/-                                       | Comp                  | ND      | *  | Comp                  | 0.04    | J* (DNQ)   |
| Nitrate + Nitrite as Nitrogen (N)                | LBS/DAY | 2,135/-                                     | ANR                   | ANR     | ANR  | Comp                  | 0.20    | B*   |
| Nitrate as Nitrogen (N)                          | LBS/DAY | 10,700/-                                    | Comp                  | 1.20    | *  | Comp                  | 0.89    | *  |
| Nitrite-N  | LBS/DAY | 10,700/-                                    | Comp                  | 1.15    | *  | Comp                  | 0.89    | *  |
| Oil & Grease                                     | LBS/DAY | 1,334/-                                     | Comp                  | ND      | *  | Comp                  | ND      | *  |
| Perchlorate                                      | LBS/DAY | 20,016/13,344                               | Grab                  | ND      | *  | Grab                  | ND      | *  |
| Sulfate  | LBS/DAY | 8/-   | Comp                  | ND      | *  | Comp                  | ND      | *  |
| Total Cyanide                                    | LBS/DAY | 400,320/-                                   | Comp                  | 8.00    | *  | Comp                  | 12.48   | *  |
| Total Dissolved Solids                           | LBS/DAY | 11.3/5.7                                    | Grab                  | ND      | *  | Grab                  | ND      | *  |
| Total Suspended Solids                           | LBS/DAY | 1,270,000/-                                 | Comp                  | 300.14  | *  | Comp                  | 115.19  | *  |
| Antimony   | LBS/DAY | 60,048/20,016                               | Comp                  | 700.33  | --   | Comp                  | 9.60    | *  |
| Arsenic  | LBS/DAY | 8.01/-                                      | ANR                   | ANR     | ANR  | Comp                  | 0.0010  | J* (DNQ)   |
| Barium   | LBS/DAY | 66.7/-                                      | ANR                   | ANR     | ANR  | Comp                  | ND      | U  |
| Beryllium  | LBS/DAY | 1,330/-                                     | ANR                   | ANR     | ANR  | Comp                  | 0.02    | --   |
| Cadmium  | LBS/DAY | 5.34/-                                      | ANR                   | ANR     | ANR  | Comp                  | ND      | U  |
| Chromium   | LBS/DAY | 4.14/2.7                                    | Comp                  | 0.00025 | J (DNQ)  | Comp                  | 0.00029 | J* (DNQ)   |
| Copper   | LBS/DAY | 21.8/10.8                                   | ANR                   | ANR     | ANR  | Comp                  | ND      | U  |
| Iron   | LBS/DAY | 18.7/9.5                                    | Comp                  | 0.02    | J (*III)   | Comp                  | 0.01    | *  |
| Lead   | LBS/DAY | 400/-                                       | Comp                  | 24.26   | --   | Comp                  | 1.92    | --   |
| Manganese  | LBS/DAY | 6.94/3.5                                    | Comp                  | 0.01    | --   | Comp                  | 0.0021  | *  |
| Mercury  | LBS/DAY | 66.7/-                                      | Comp                  | 0.35    | --   | Comp                  | 0.12    | --   |
| Nickel   | LBS/DAY | 0.13/0.07                                   | Comp                  | 0.00030 | J (DNQ)  | Comp                  | ND      | U  |
| Selenium   | LBS/DAY | 128/47                                      | ANR                   | ANR     | ANR  | Comp                  | 0.0020  | J (DNQ)  |
|  | LBS/DAY | 10.9/5.5                                    | Comp                  | ND      | U  | Comp                  | 0.00053 | J* (DNQ)   |

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

**OUTFALL 011 (Perimeter Pond Weir)**

**ANNUAL 2010 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1, 2010 through July 18, 2010

| ANALYTE                      | UNITS   | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 01/20/2010-01/21/2010 |          |  | 02/06/2010-02/07/2010 |          |  |
|------------------------------|---------|---|-----------------------|----------|--|-----------------------|----------|--|
|                              |         |   | Sample<br>Type        | Result   | Concentration<br>Result<br>Validation<br>Qualifier | Sample<br>Type        | Result   | Concentration<br>Result<br>Validation<br>Qualifier |
| Silver                       | LBS/DAY | 5.5/2.7                                     | ANR                   | ANR      | ANR  | Comp                  | 0.00012  | J* (DNQ)   |
| Thallium                     | LBS/DAY | 2.7/-                                       | ANR                   | ANR      | ANR  | Comp                  | 0.00019  | J* (DNQ)   |
| Zinc                         | LBS/DAY | 159/72                                      | Comp                  | 0.08     | J (*III)   | Comp                  | 0.02     | J (DNQ)  |
| 1,1-Dichloroethene           | LBS/DAY | 8/4.3                                       | Grab                  | ND       | *  | Grab                  | ND       | *  |
| Trichloroethene              | LBS/DAY | 6.7/-                                       | Grab                  | ND       | *  | Grab                  | ND       | *  |
| 2,4,6-Trichlorophenol        | LBS/DAY | 17/8.7                                      | Comp                  | ND       | *  | Comp                  | ND       | U  |
| 2,4-Dinitrotoluene           | LBS/DAY | 24/12                                       | Comp                  | ND       | *  | Comp                  | ND       | U  |
| alpha-BHC                    | LBS/DAY | 0.04/0.013                                  | Comp                  | ND       | *  | Comp                  | ND       | *  |
| bis (2-ethylhexyl) Phthalate | LBS/DAY | 5.3/-                                       | Comp                  | ND       | *  | Comp                  | ND       | U  |
| n-Nitrosodimethylamine       | LBS/DAY | 21.8/10.8                                   | Comp                  | ND       | *  | Comp                  | ND       | U  |
| Pentachlorophenol            | LBS/DAY | 22/10.9                                     | Comp                  | ND       | *  | Comp                  | ND       | UJ (C)   |
| TCDD TEQ_NoDNQ               | LBS/DAY | 3.70E-08/1.90E-08                           | Comp                  | 1.41E-09 | --   | Comp                  | 2.21E-11 | --   |

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

**OUTFALL 011 (Perimeter Pond Weir)**

**ANNUAL 2010 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**July 19, 2010 through December 31, 2010**

| ANALYTE                               | UNITS   | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 12/22/2010-12/23/2010 |        |  |
|---------------------------------------|---------|---|-----------------------|--------|--|
|                                       |         |   | Sample Type           | Result | Concentration<br>Result<br>Validation<br>Qualifier |
| Max Discharge for event               | MGD     | 160   | Meas                  | 0.288  |  |
| Ammonia as Nitrogen (N)               | LBS/DAY | 13,500/-                                    | Comp                  | ND     | *  |
| Biochemical Oxygen Demand (BOD 5 day) | LBS/DAY | 40,032/-                                    | Comp                  | 2.40   | Ja* (DNQ)  |
| Chloride                              | LBS/DAY | 200,160/-                                   | Comp                  | 11.77  | *  |
| Surfactants (MBAS)                    | LBS/DAY | 667/-                                       | Comp                  | ND     | *  |
| Nitrate + Nitrite as Nitrogen (N)     | LBS/DAY | 10,700/-                                    | Comp                  | 0.53   | Ja* (DNQ)  |
| Nitrate as Nitrogen (N)               | LBS/DAY | 10,700/-                                    | Comp                  | 0.53   | *  |
| Nitrite-N                             | LBS/DAY | 1,334/-                                     | Comp                  | ND     | *  |
| Oil & Grease                          | LBS/DAY | 20,016/-                                    | Grab                  | ND     | *  |
| Perchlorate                           | LBS/DAY | 8/-   | Comp                  | ND     | *  |
| Sulfate                               | LBS/DAY | 400,320/-                                   | Comp                  | 12.97  | *  |
| Total Cyanide                         | LBS/DAY | 11.3/5.7                                    | Comp                  | ND     | *  |
| Total Dissolved Solids                | LBS/DAY | 1,270,000/-                                 | Comp                  | 216.17 | *  |
| Total Suspended Solids                | LBS/DAY | 60,048/-                                    | Comp                  | 120.10 | --   |
| Cadmium                               | LBS/DAY | 4.14/-                                      | Comp                  | 0.00   | J (DNQ)  |
| Copper                                | LBS/DAY | 18.7/-                                      | Comp                  | 0.02   | --   |
| Iron                                  | LBS/DAY | 400/-                                       | Comp                  | 15.37  | --   |
| Lead                                  | LBS/DAY | 6.94/-                                      | Comp                  | 0.01   | J (*III)   |
| Manganese                             | LBS/DAY | 66.7/-                                      | Comp                  | 0.15   | --   |
| Mercury                               | LBS/DAY | 0.13/-                                      | Comp                  | ND     | U  |
| Selenium                              | LBS/DAY | 10.9/-                                      | Comp                  | ND     | U  |
| Zinc                                  | LBS/DAY | 159/-                                       | Comp                  | 0.07   | --   |
| 1,2-Dichloroethane                    | LBS/DAY | 0.67/-                                      | Grab                  | ND     | *  |
| 1,1-Dichloroethene                    | LBS/DAY | 8/-   | Grab                  | ND     | *  |
| Trichloroethene                       | LBS/DAY | 6.7/-                                       | Grab                  | ND     | *  |
| 2,4,6-Trichlorophenol                 | LBS/DAY | 17/-  | Comp                  | ND     | *  |

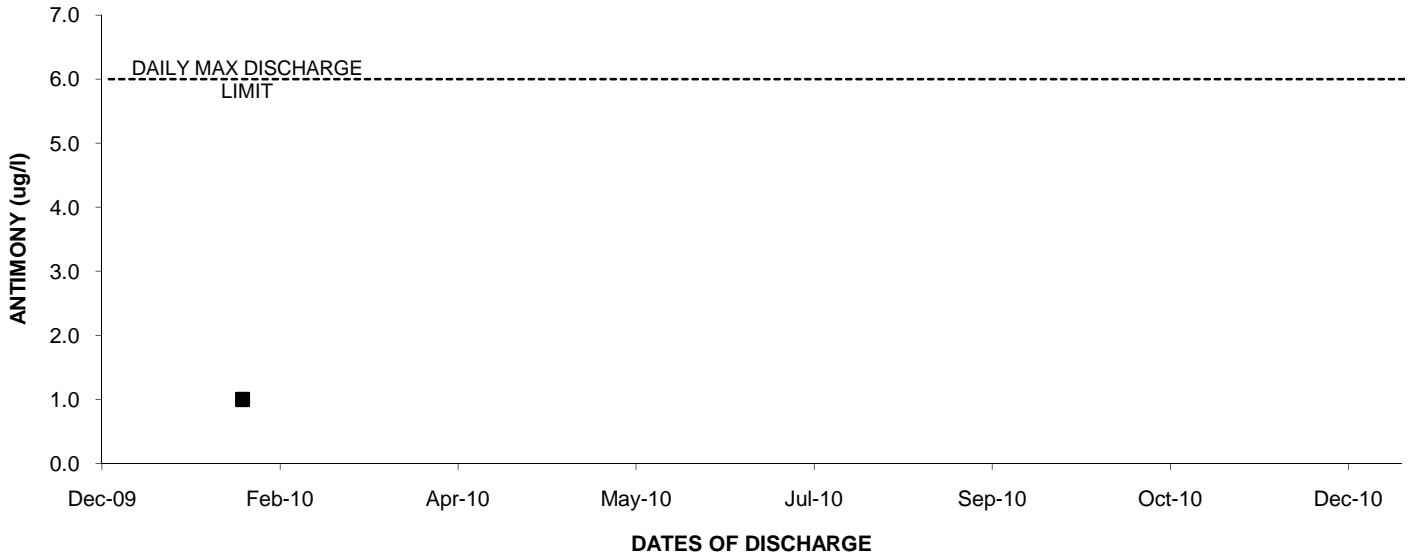
**OUTFALL 011 (Perimeter Pond Weir)**

**ANNUAL 2010 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

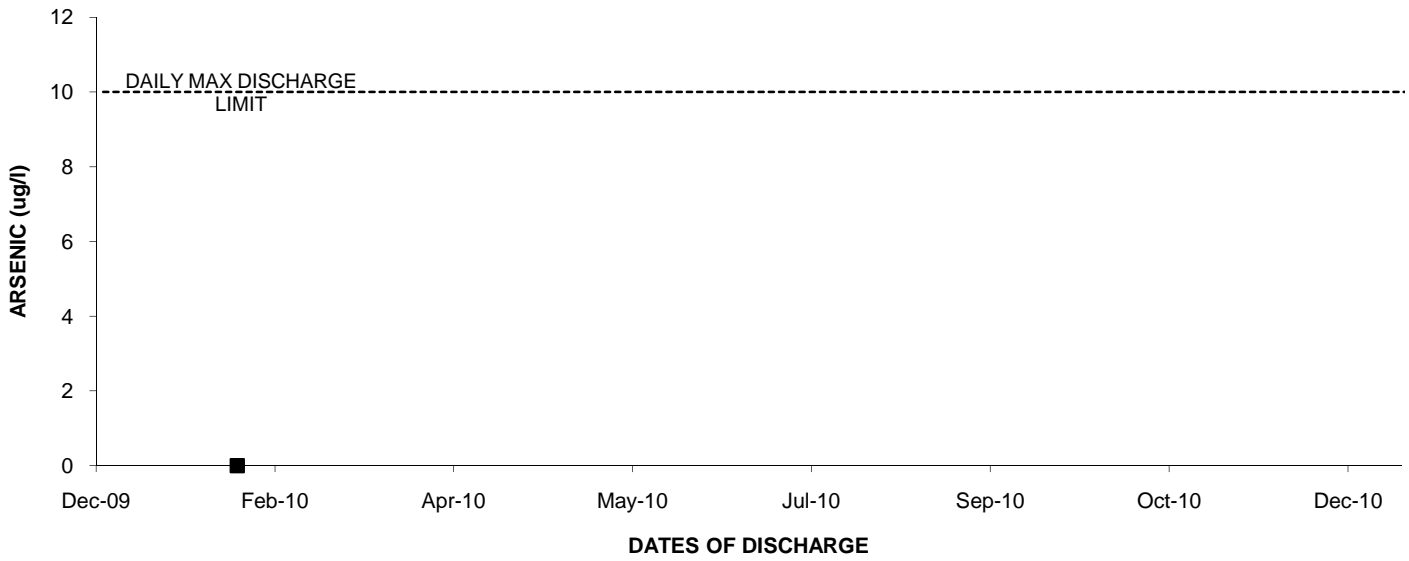
**July 19, 2010 through December 31, 2010**

| ANALYTE                      | UNITS   | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 12/22/2010-12/23/2010 |        |  |
|------------------------------|---------|---|-----------------------|--------|--|
|                              |         |   | Sample Type           | Result | Concentration<br>Result<br>Validation<br>Qualifier |
| 2,4-Dinitrotoluene           | LBS/DAY | 24/-  | Comp                  | ND     | *  |
| alpha-BHC                    | LBS/DAY | 0.04/-                                      | Comp                  | ND     | *  |
| bis (2-ethylhexyl) Phthalate | LBS/DAY | 5.3/-                                       | Comp                  | ND     | *  |
| n-Nitrosodimethylamine       | LBS/DAY | 21.8/-                                      | Comp                  | ND     | *  |
| Pentachlorophenol            | LBS/DAY | 22/-  | Comp                  | ND     | *  |
| TCDD TEQ_NoDNQ               | LBS/DAY | 3.7E-08/-                                   | Comp                  | ND     | --   |

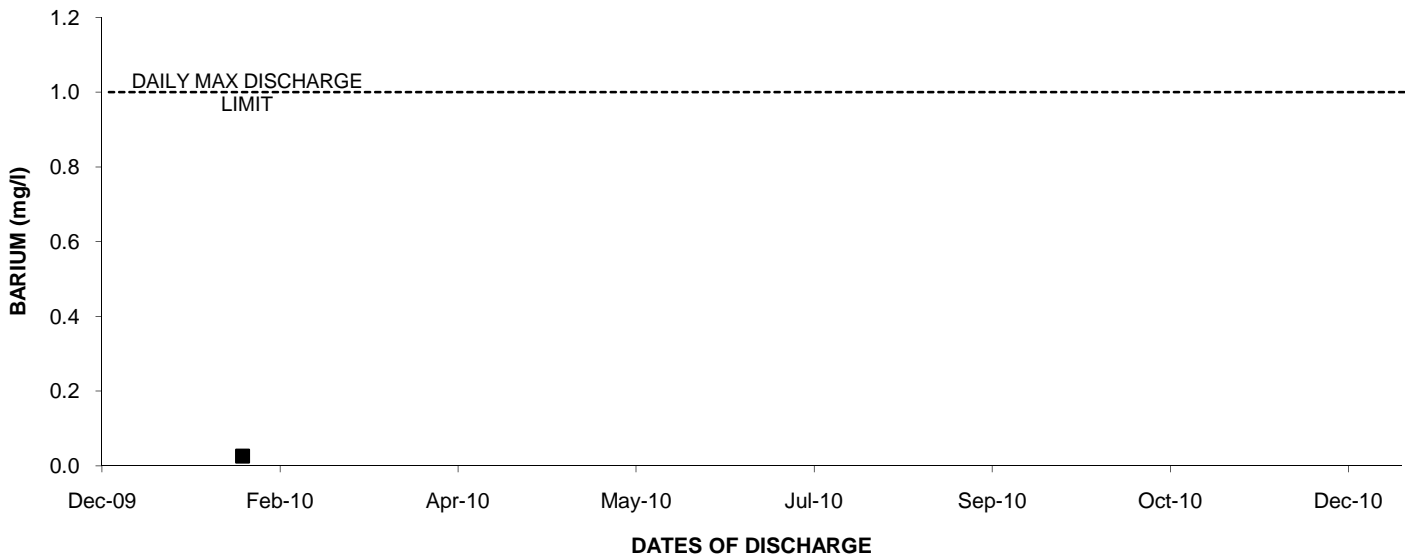
### 2010: Outfall 011 ANTIMONY



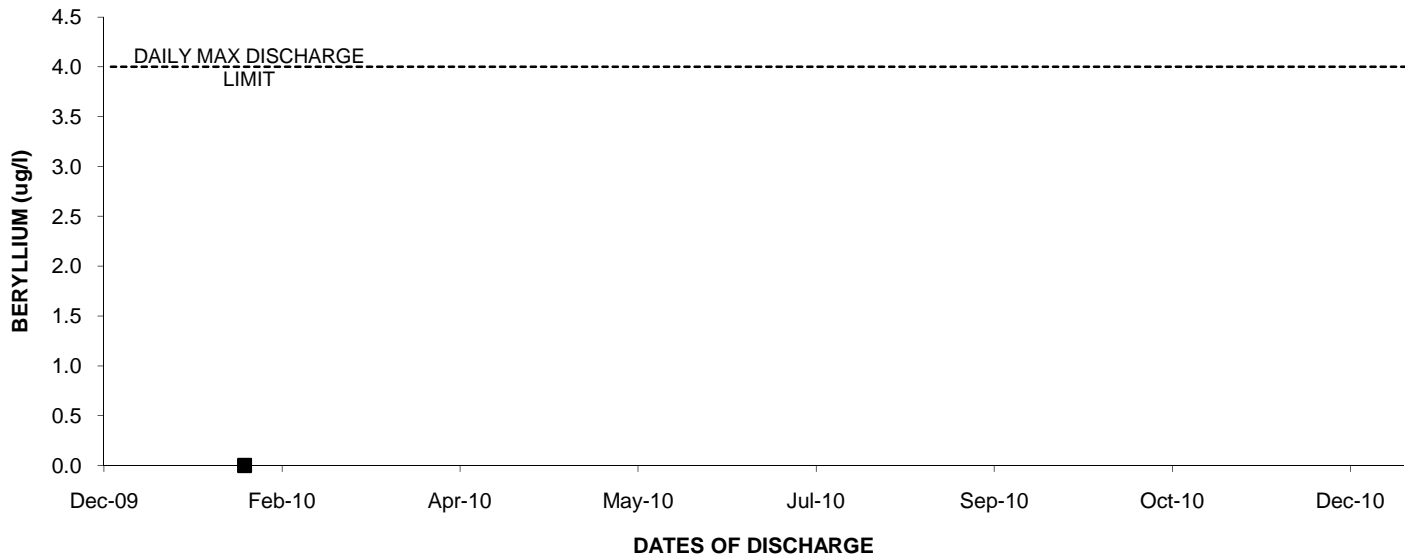
### 2010: Outfall 011 ARSENIC



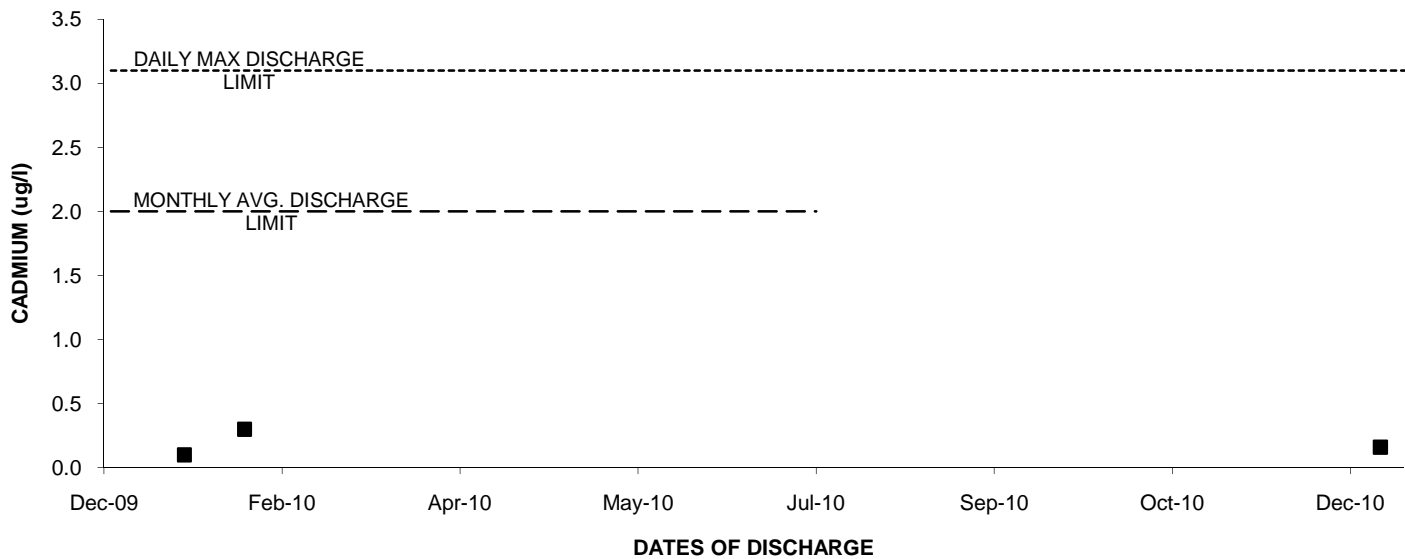
### 2010: Outfall 011 BARIUM



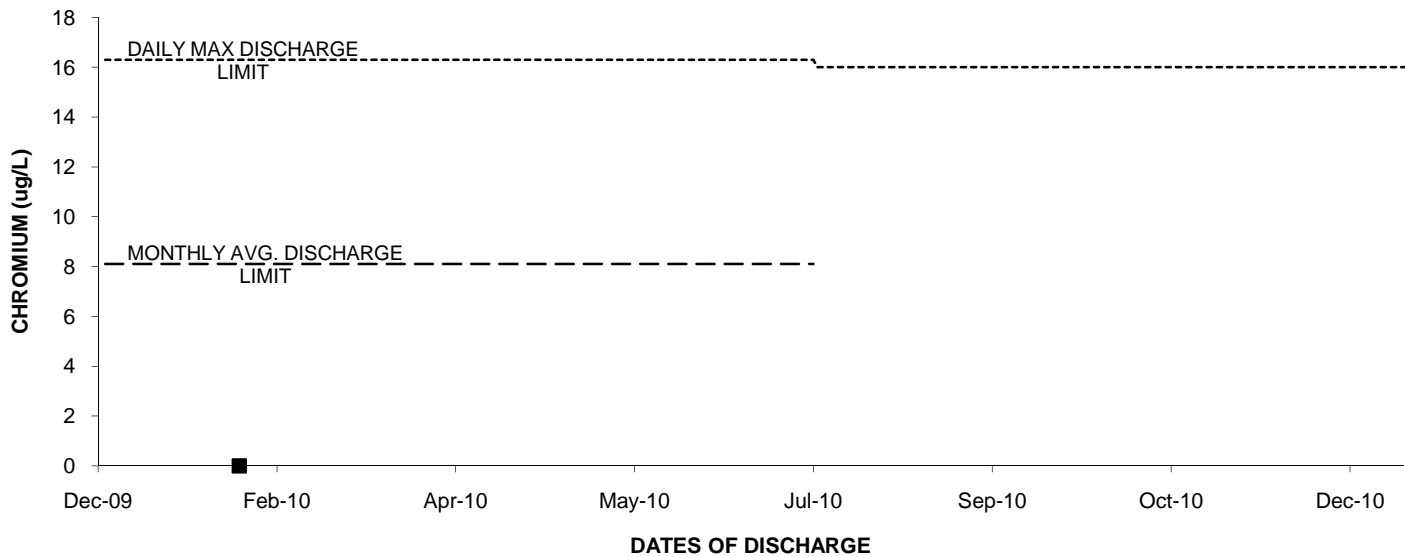
2010: Outfall 011 BERYLLIUM



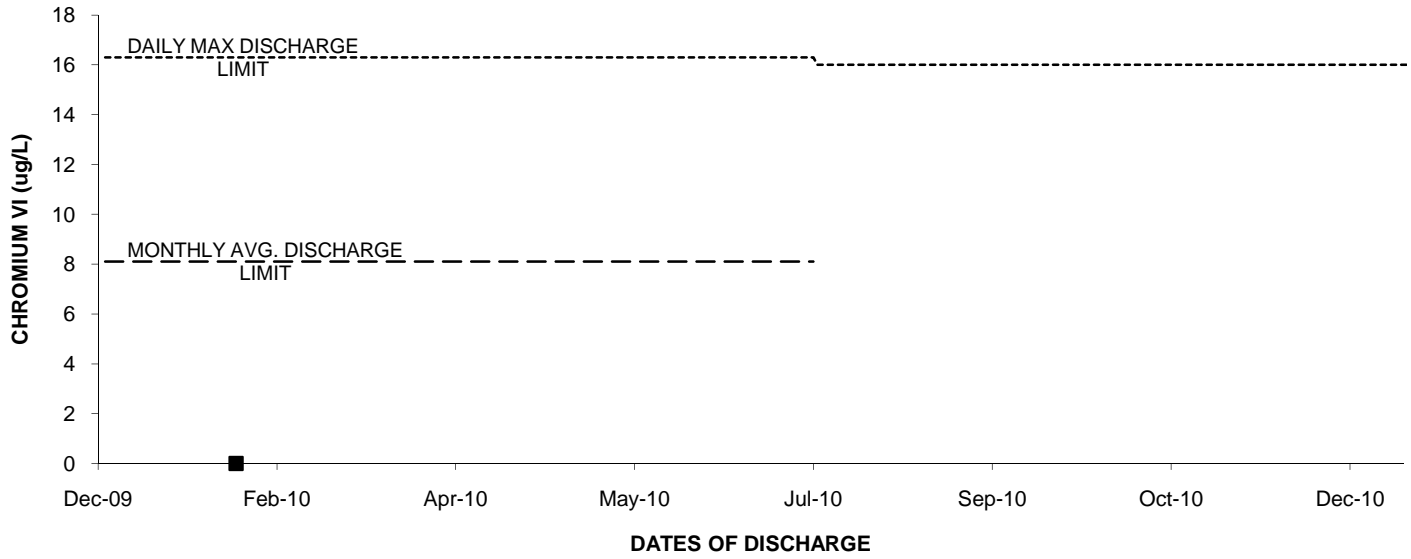
2010: Outfall 011 CADMIUM



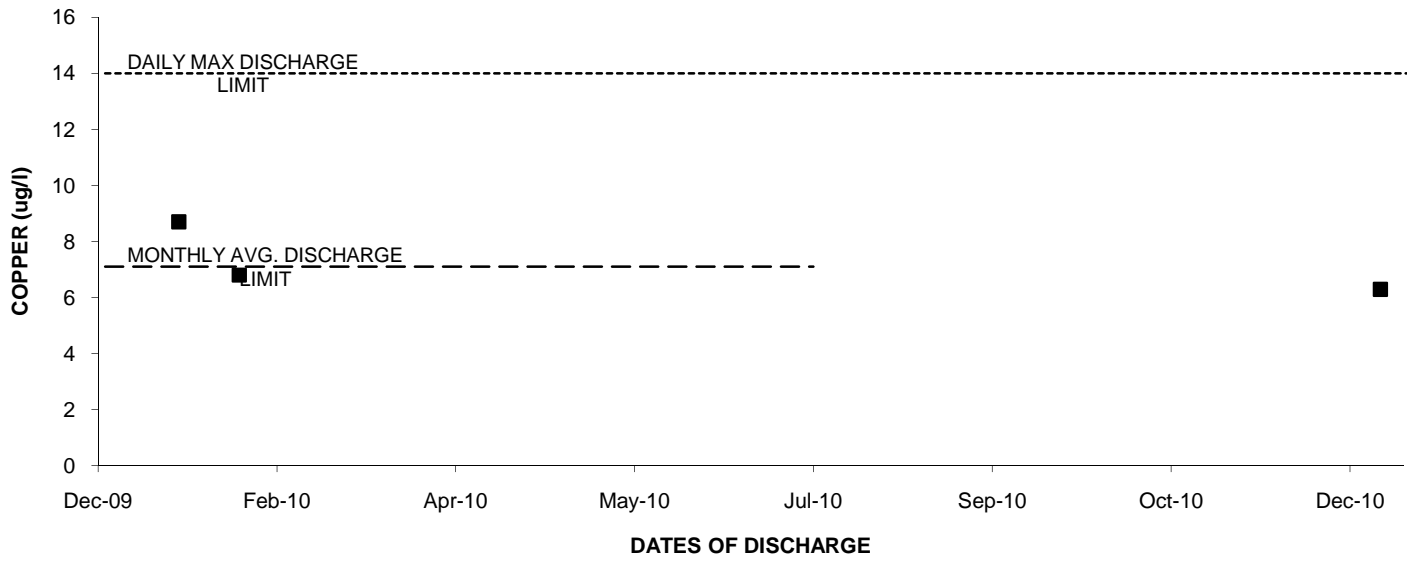
2010: Outfall 011 CHROMIUM



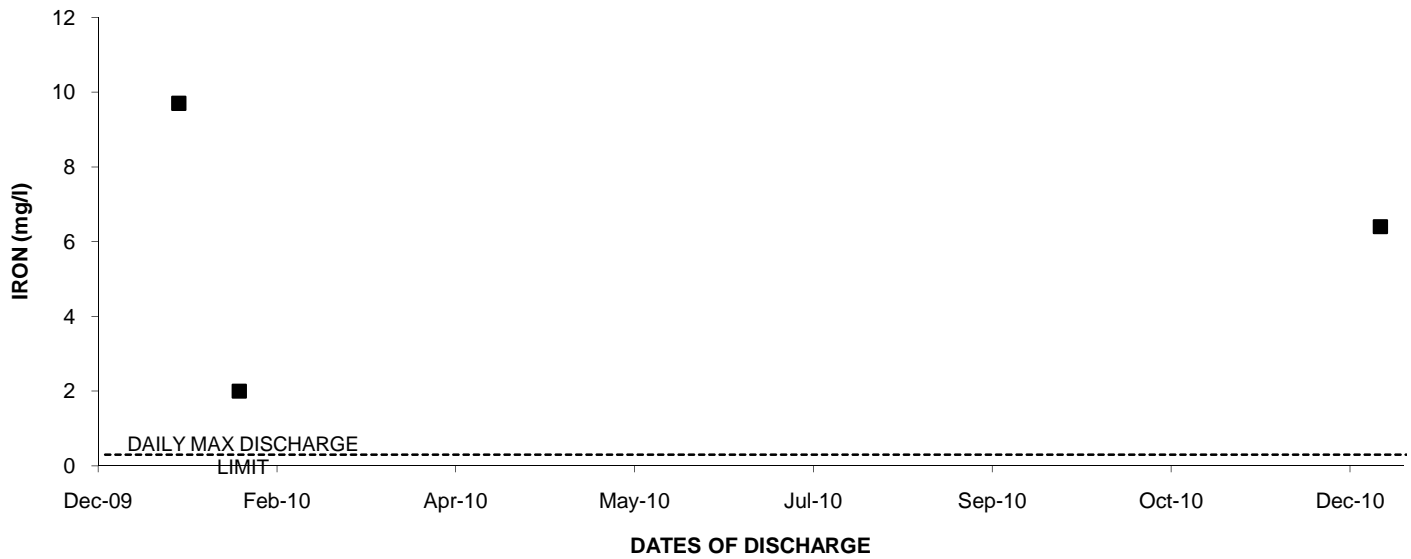
### 2010: Outfall 011 CHROMIUM VI



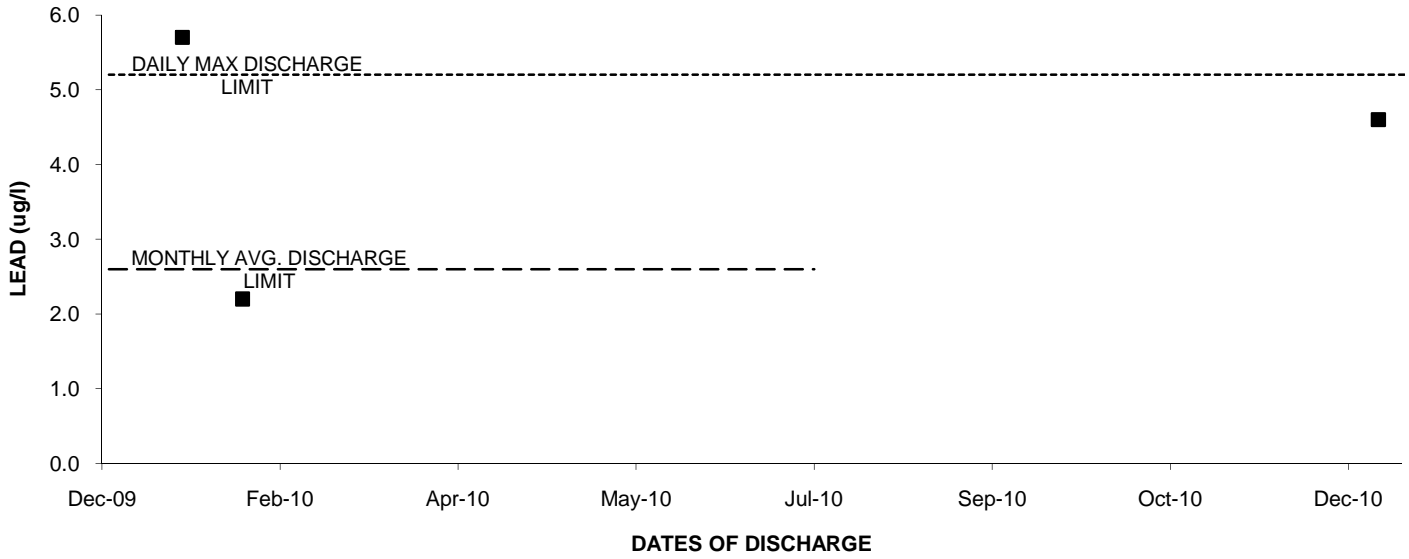
### 2010: Outfall 011 COPPER



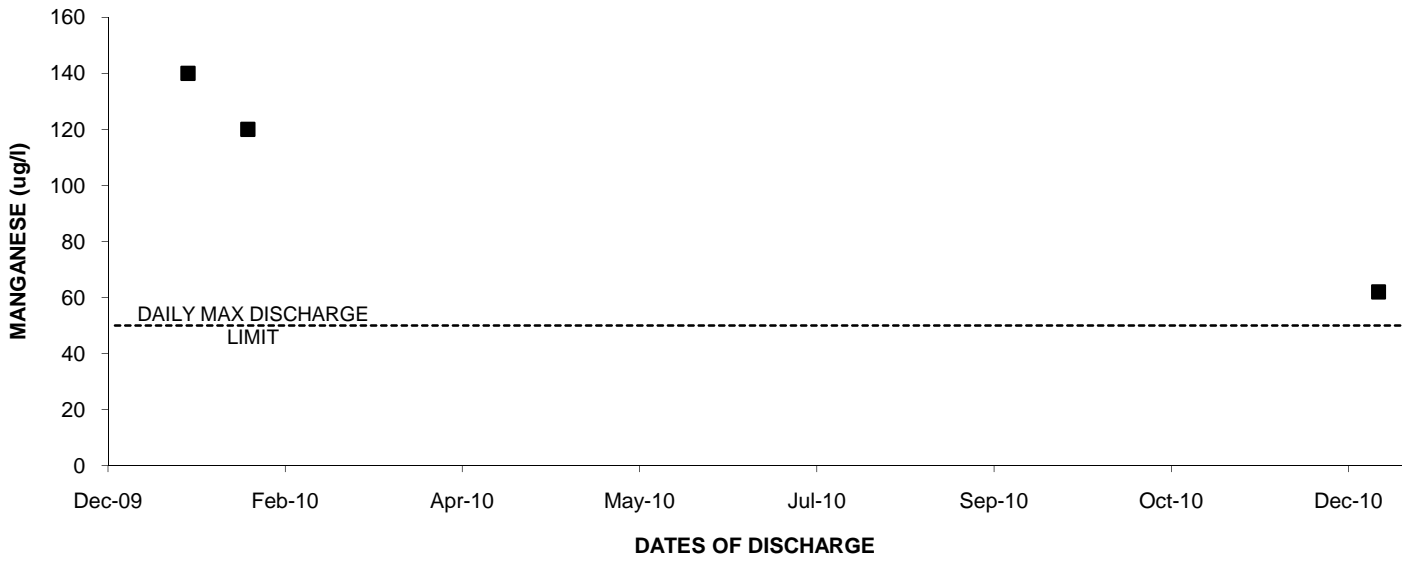
### 2010: Outfall 011 IRON



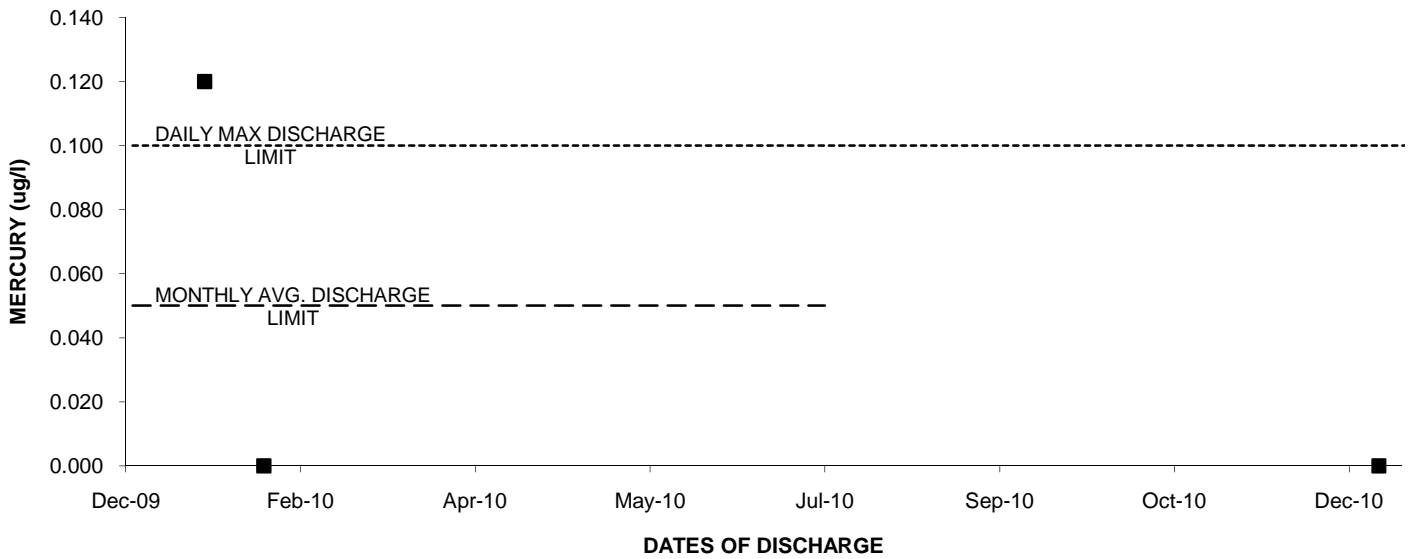
### 2010: Outfall 011 LEAD



### 2010: Outfall 011 MANGANESE

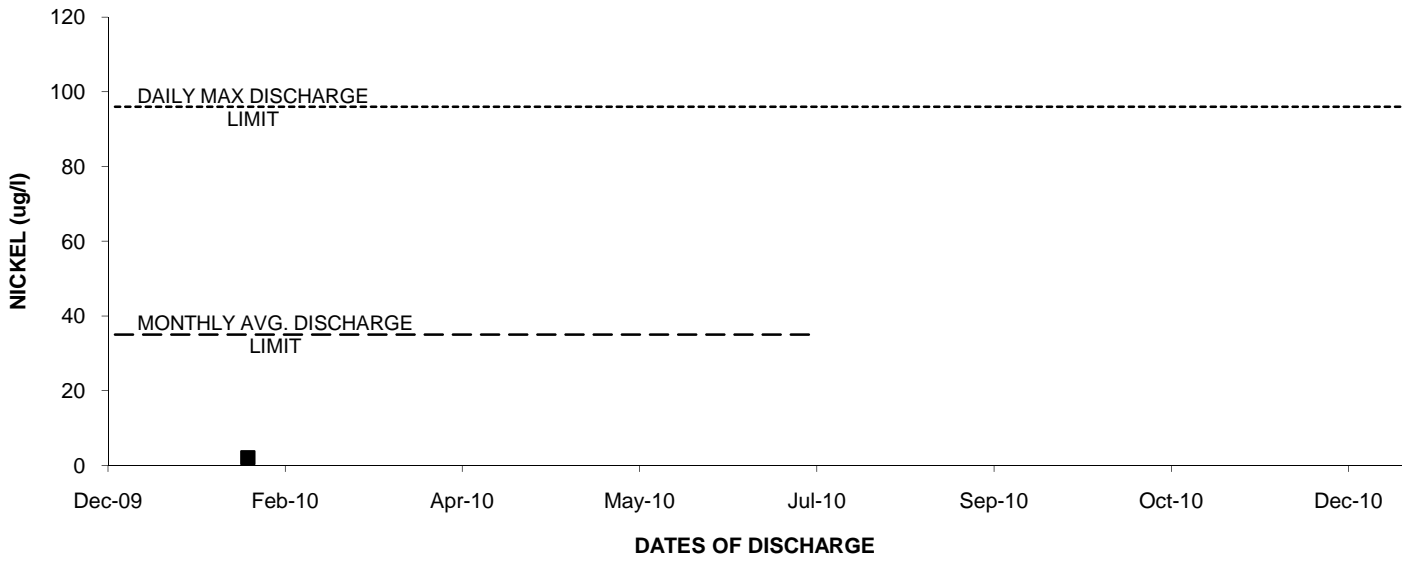


### 2010: Outfall 011 MERCURY

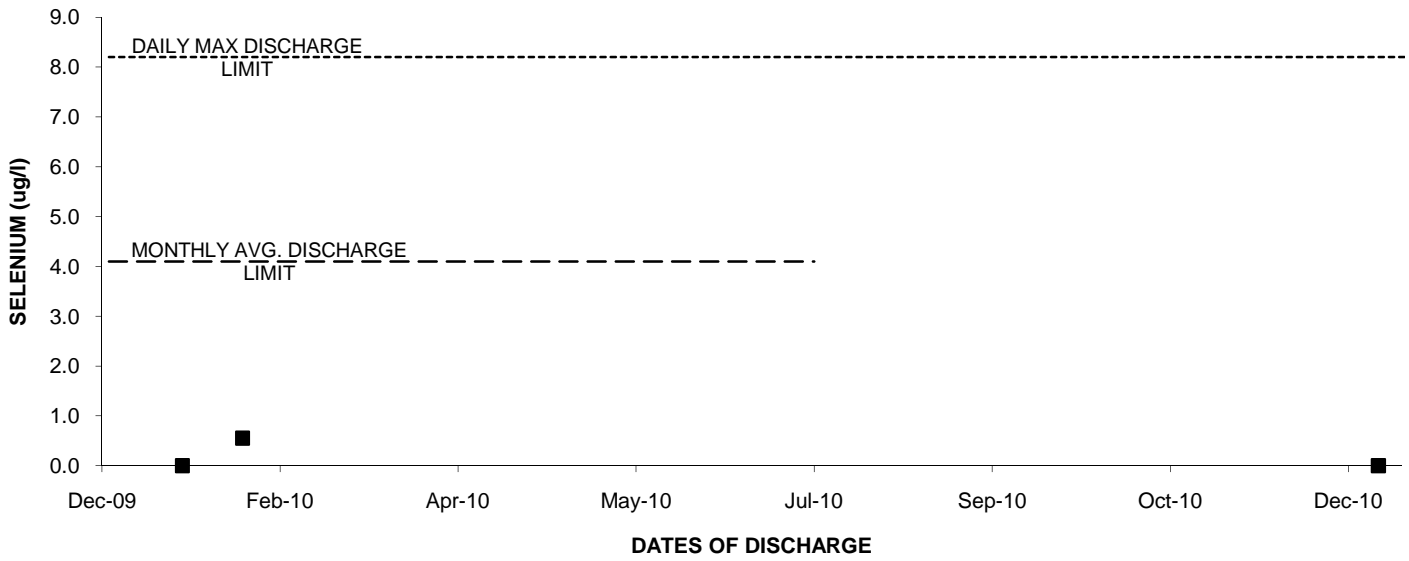




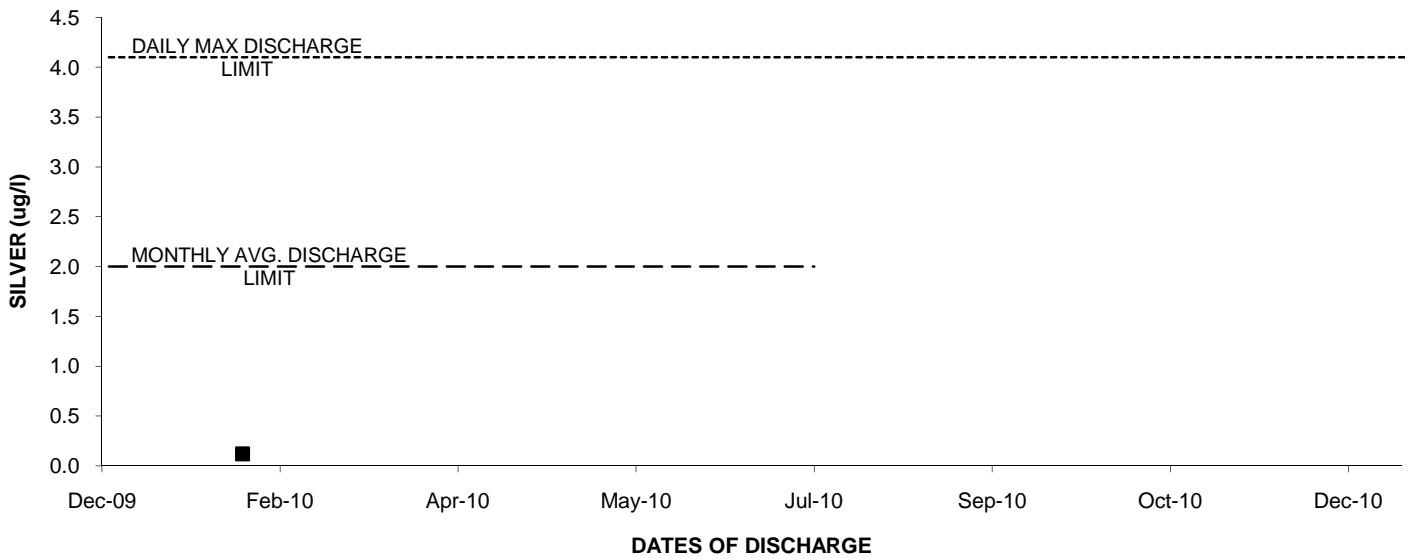
### 2010: Outfall 011 NICKEL



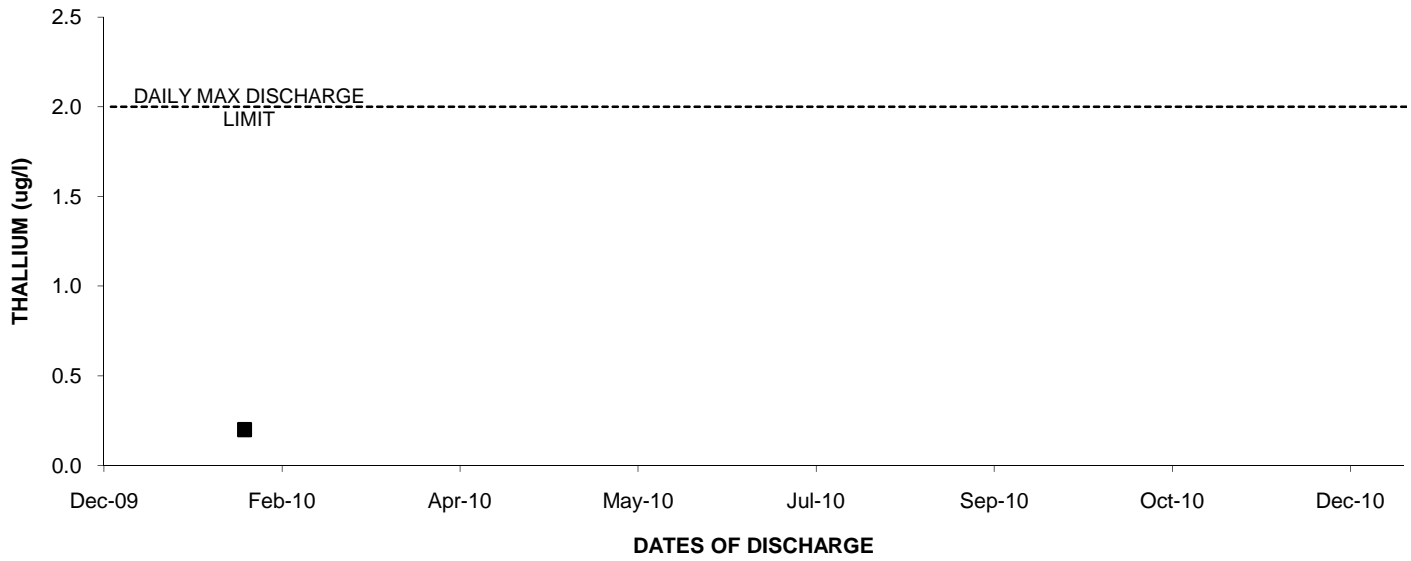
### 2010: Outfall 011 SELENIUM



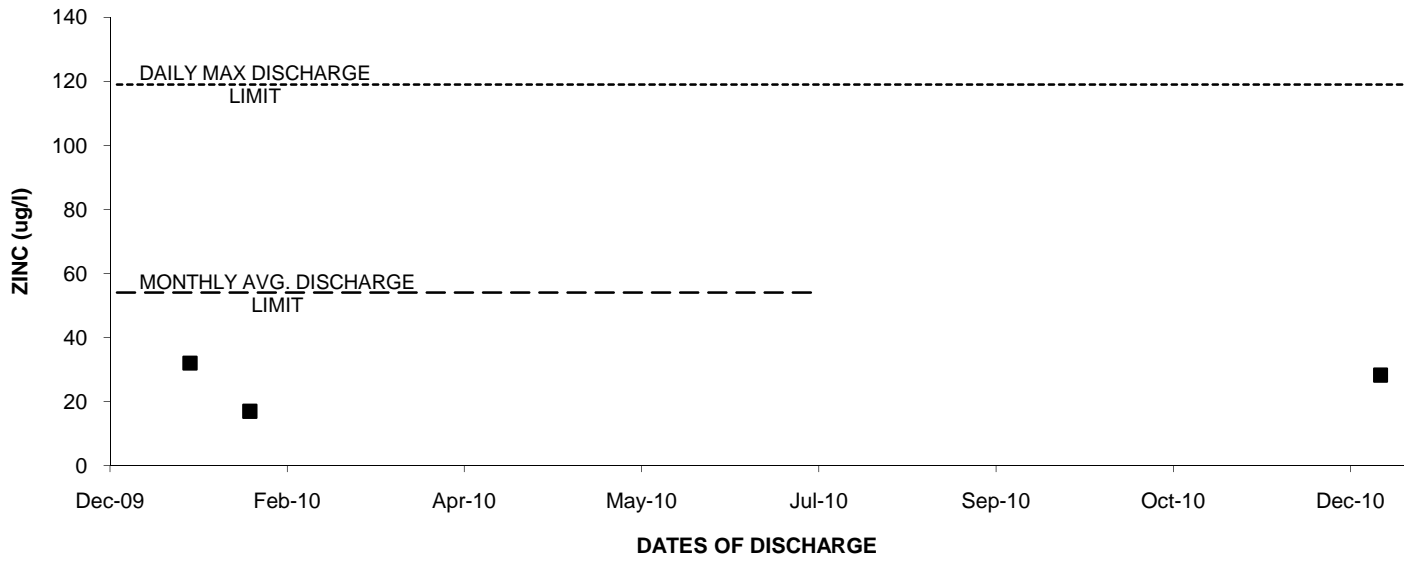
### 2010: Outfall 011 SILVER



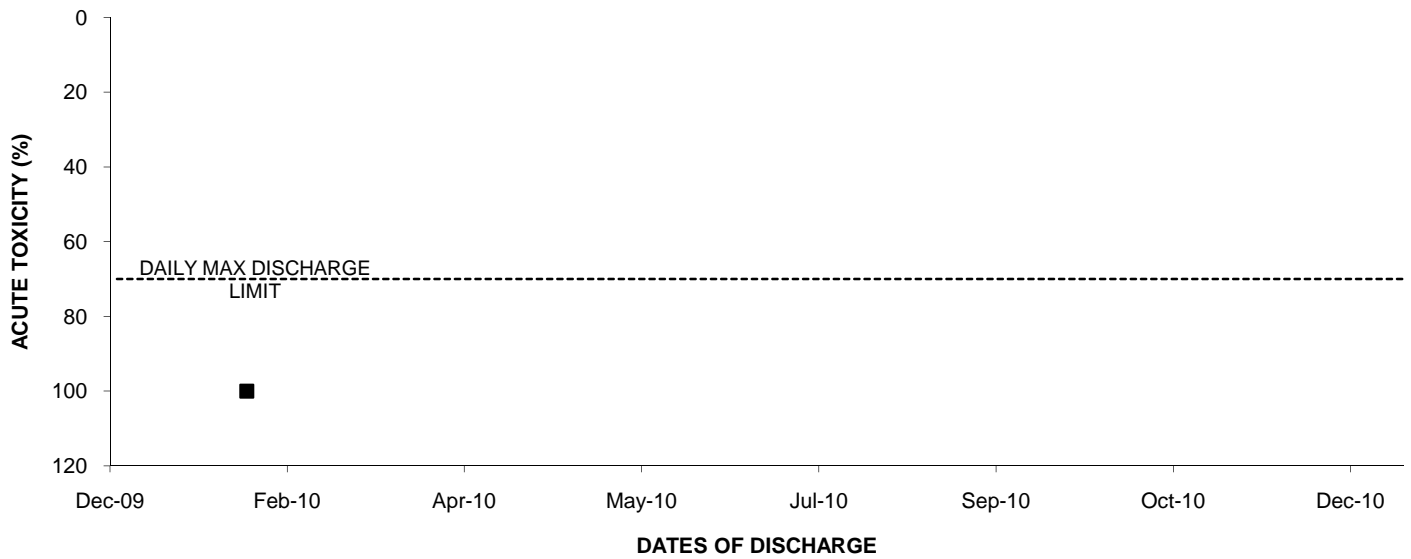
### 2010: Outfall 011 THALLIUM



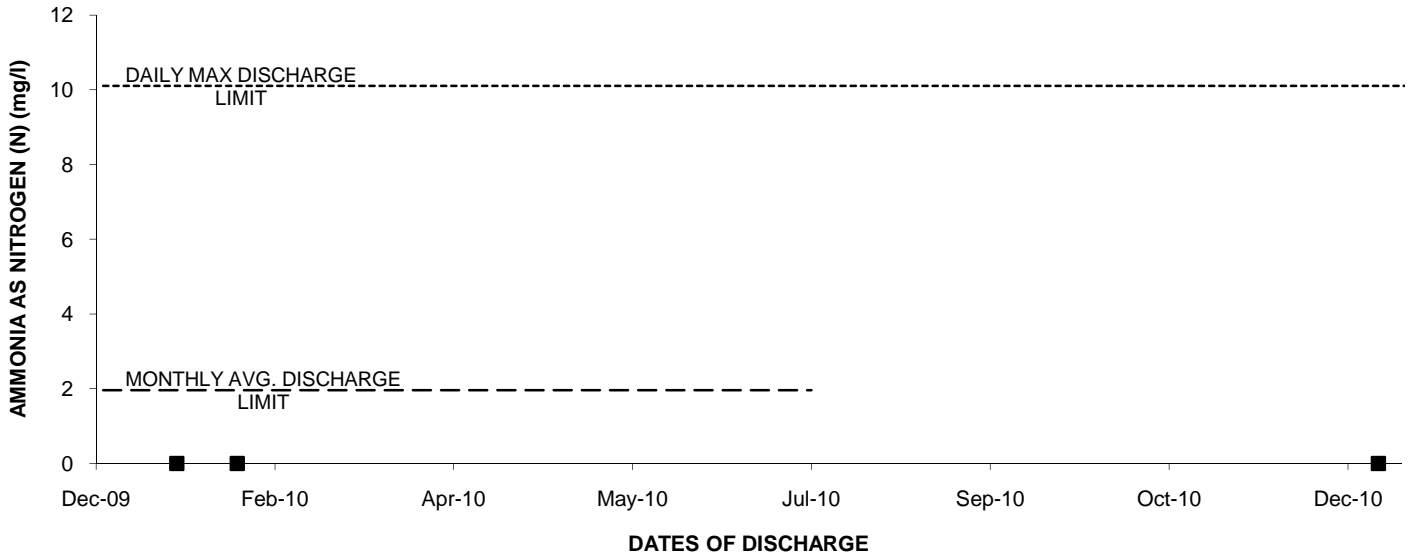
### 2010: Outfall 011 ZINC



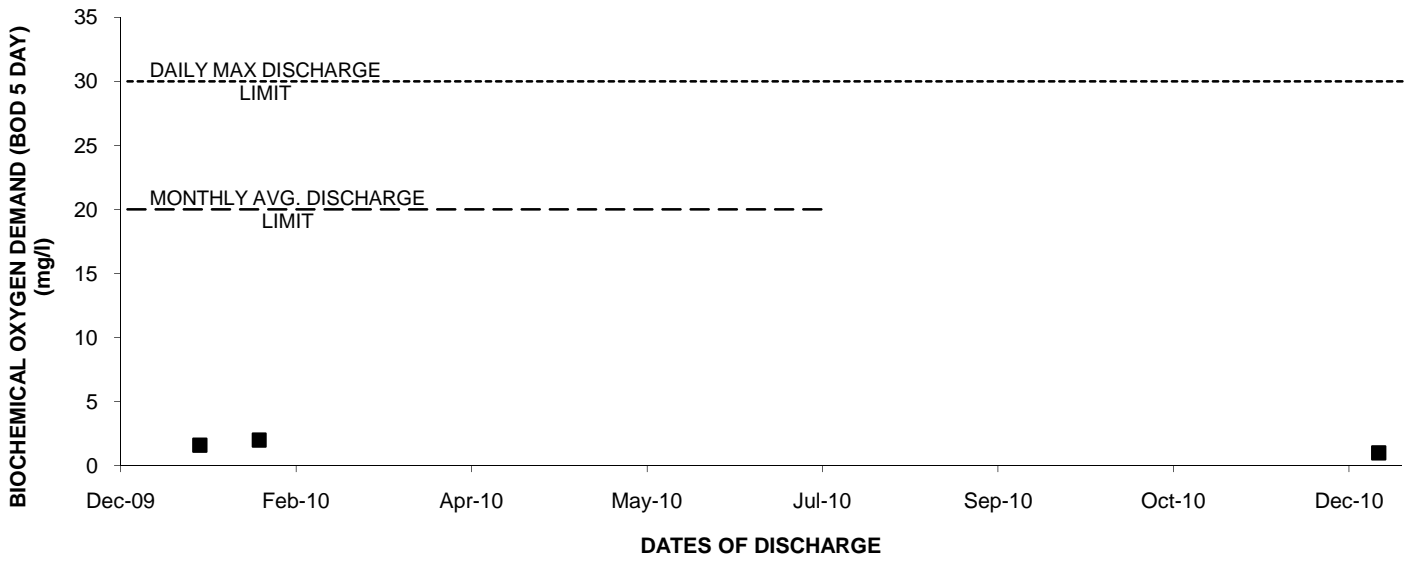
### 2010: Outfall 011 ACUTE TOXICITY



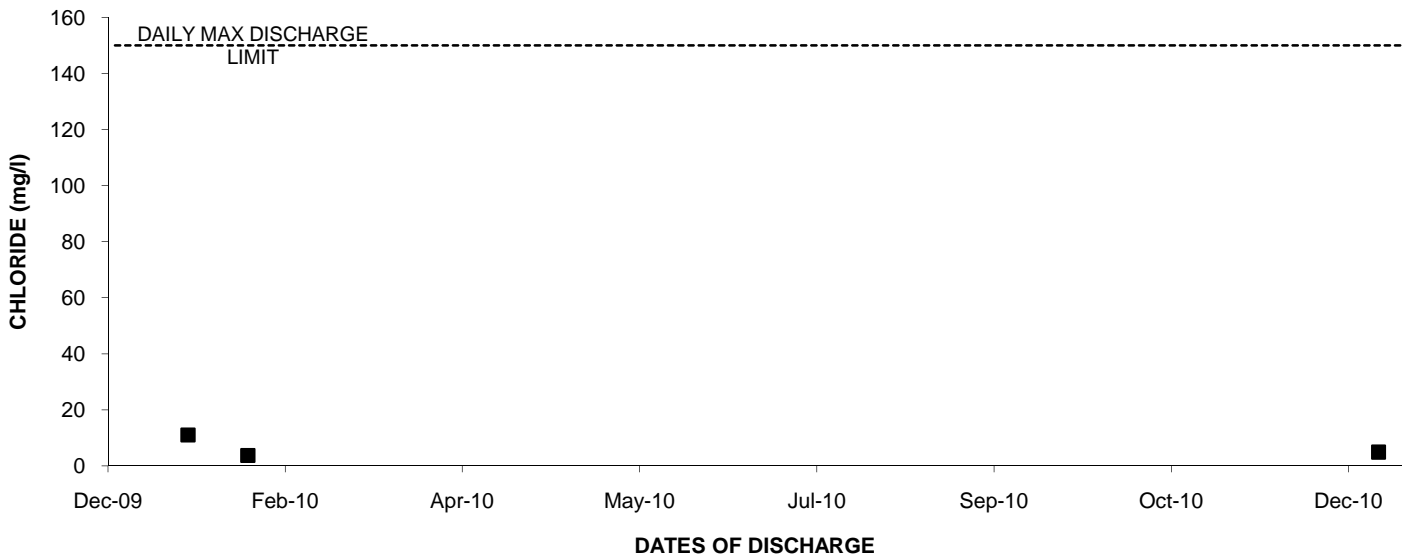
### 2010: Outfall 011 AMMONIA AS NITROGEN (N)



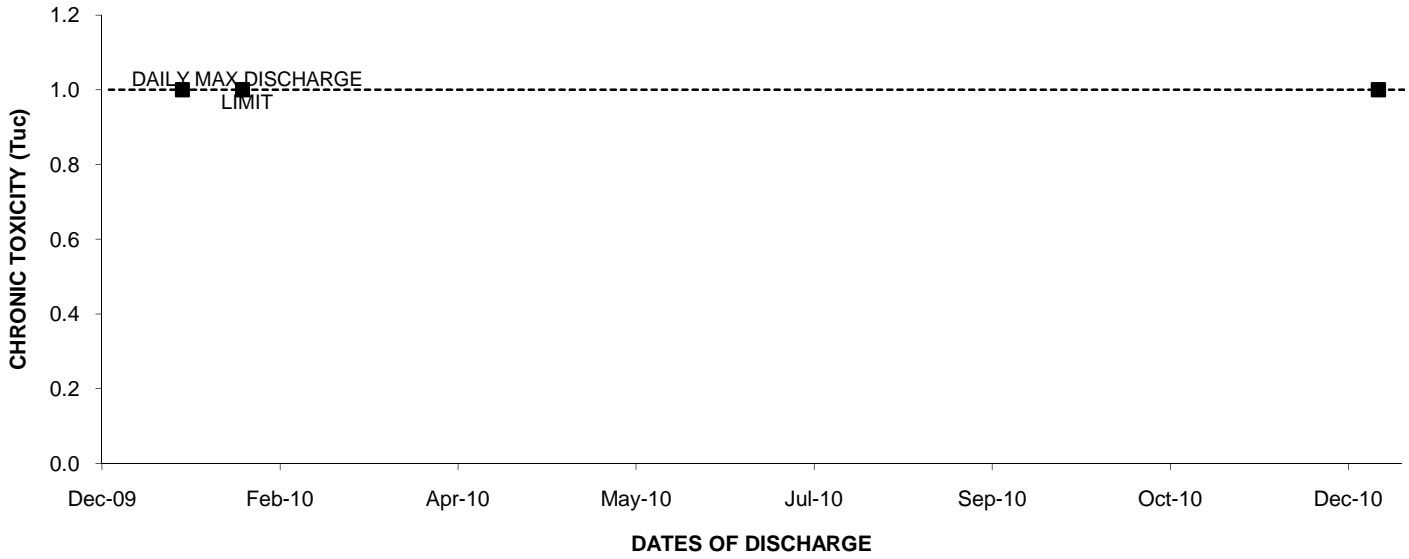
### 2010: Outfall 011 BIOCHEMICAL OXYGEN DEMAND (BOD 5 DAY)



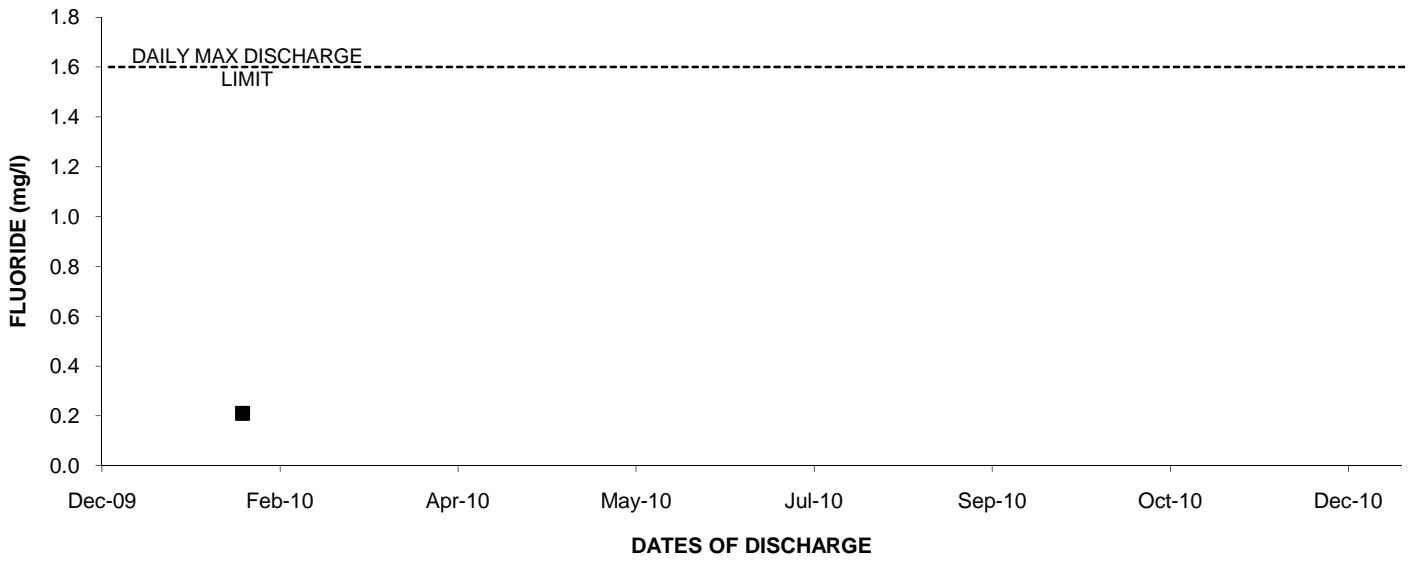
### 2010: Outfall 011 CHLORIDE



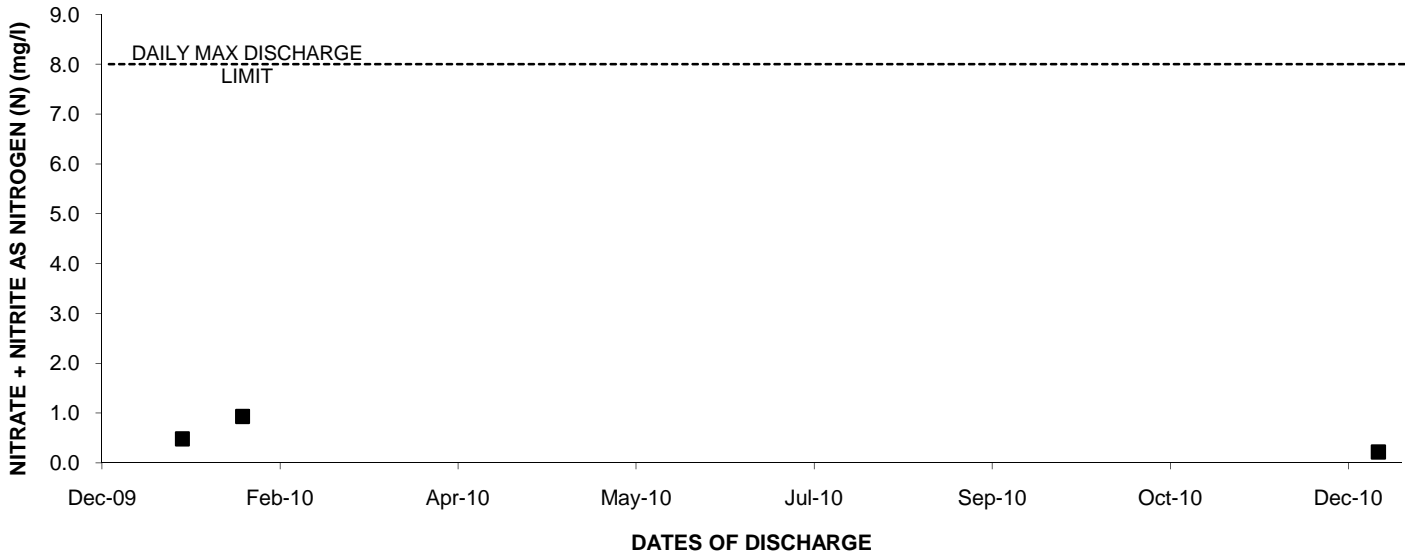
### 2010: Outfall 011 CHRONIC TOXICITY



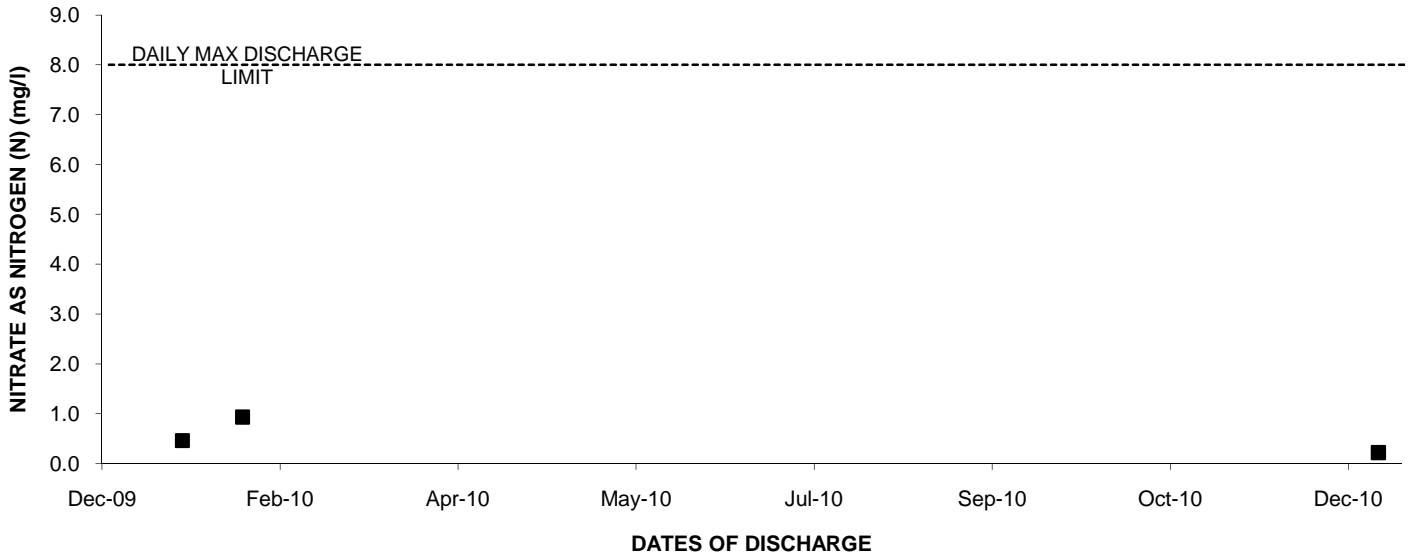
### 2010: Outfall 011 FLUORIDE



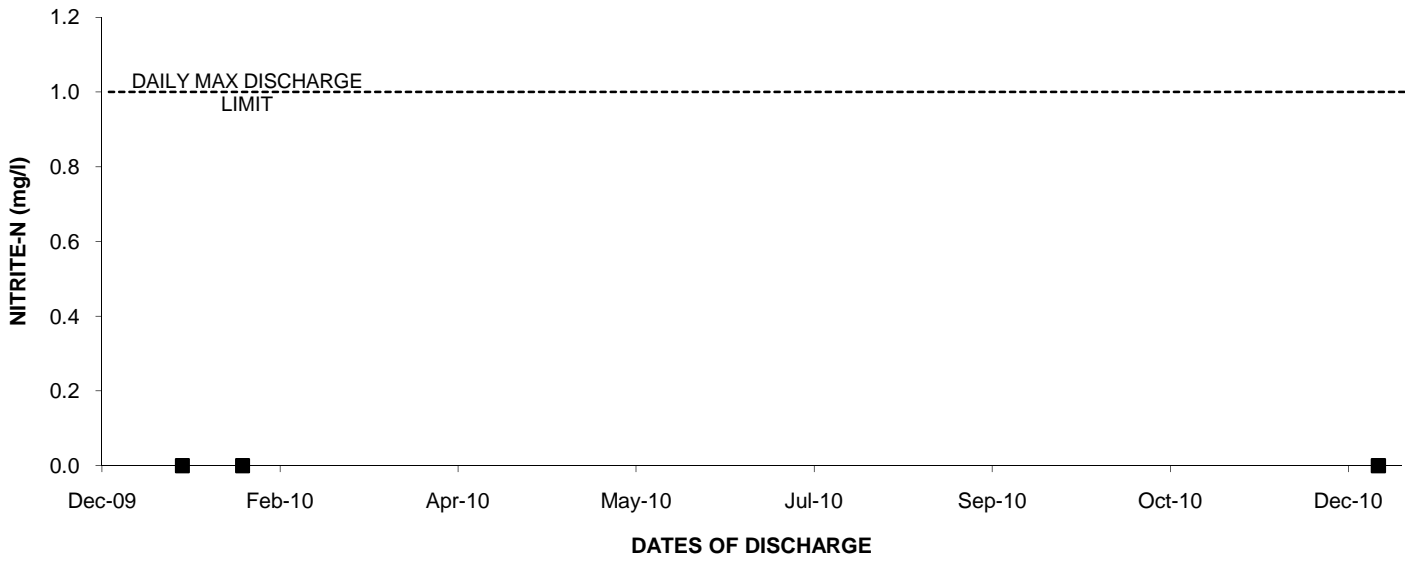
### 2010: Outfall 011 NITRATE + NITRITE AS NITROGEN (N)



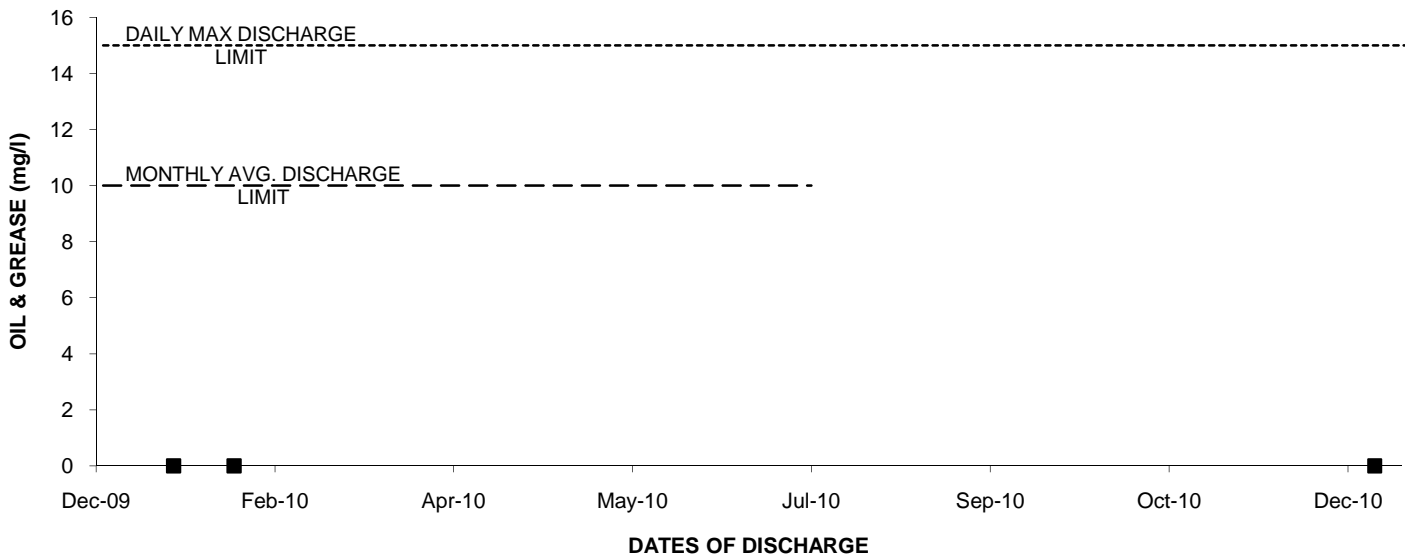
### 2010: Outfall 011 NITRATE AS NITROGEN (N)



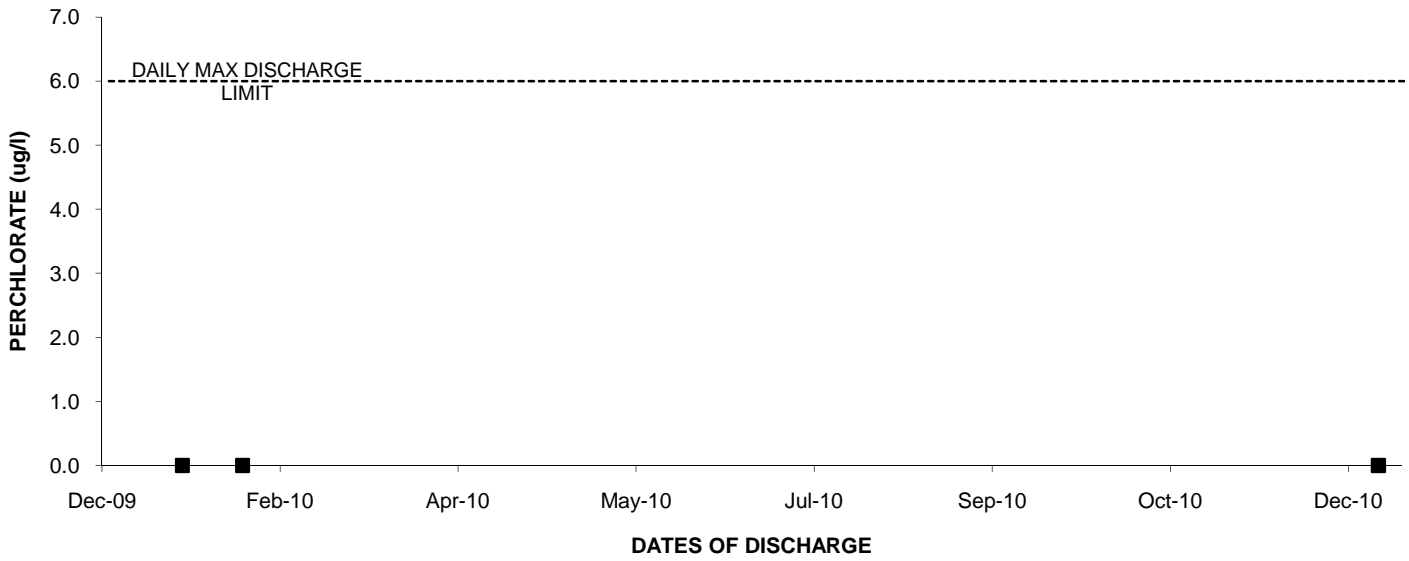
### 2010: Outfall 011 NITRITE-N



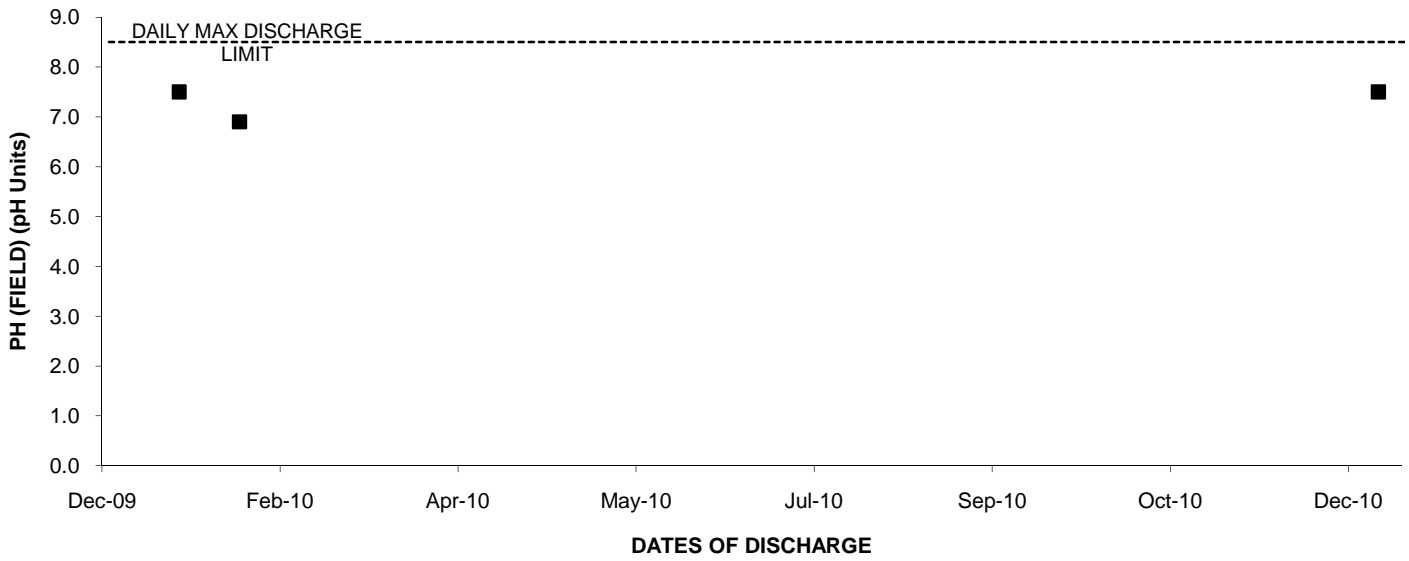
### 2010: Outfall 011 OIL & GREASE



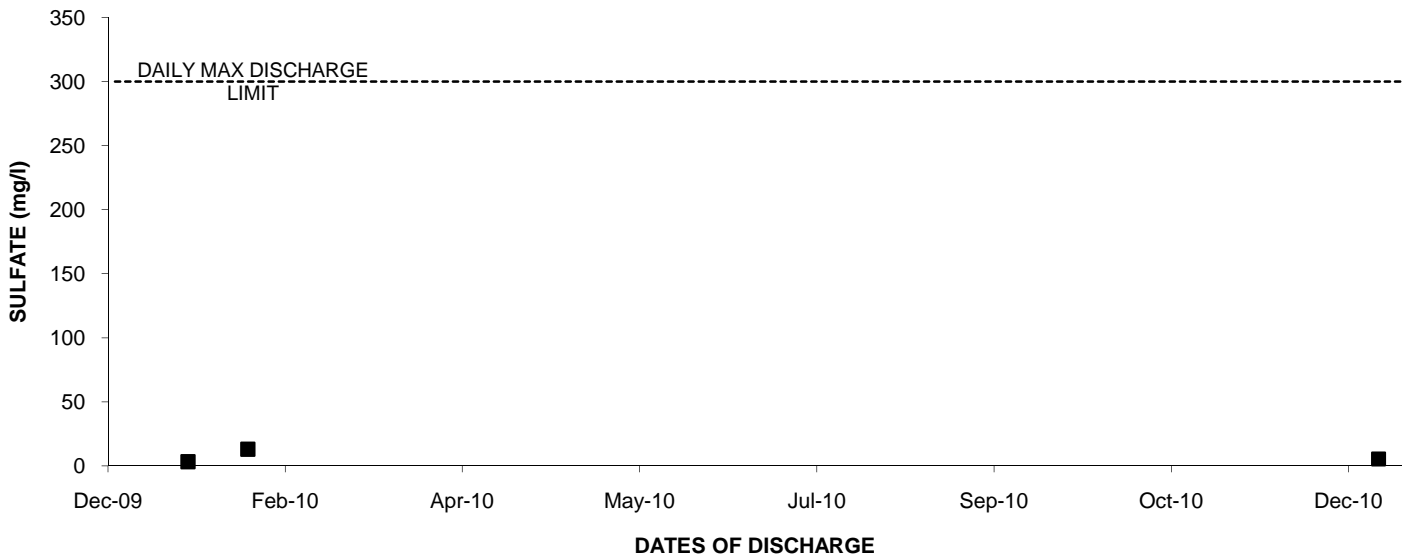
### 2010: Outfall 011 PERCHLORATE



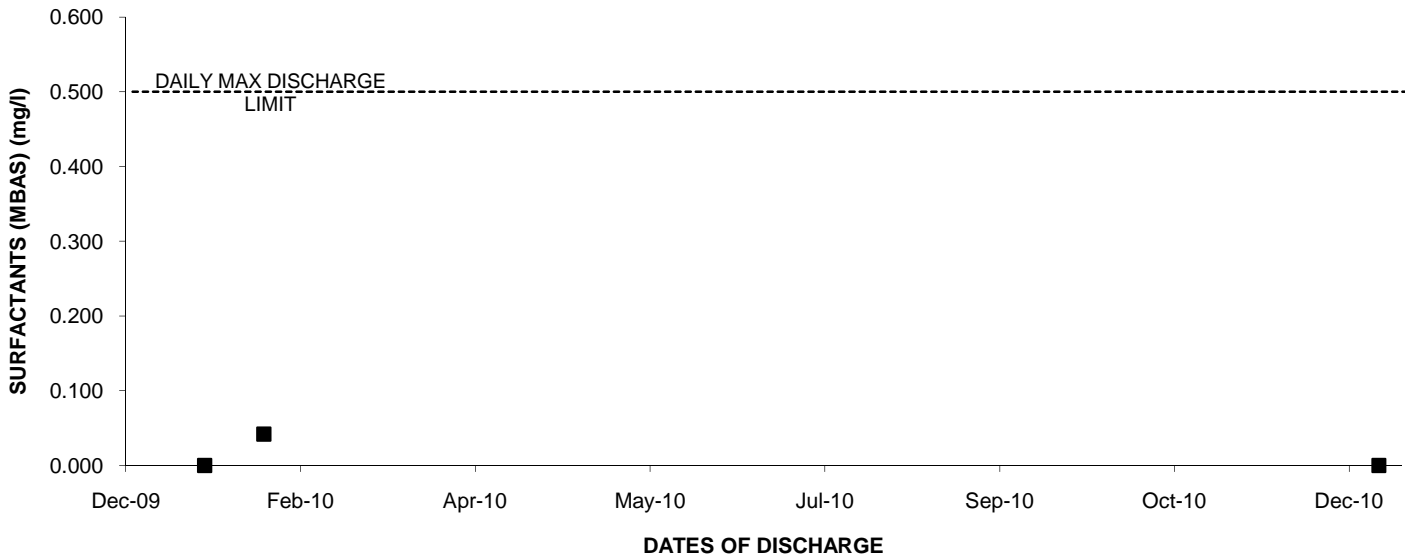
### 2010: Outfall 011 PH (FIELD)



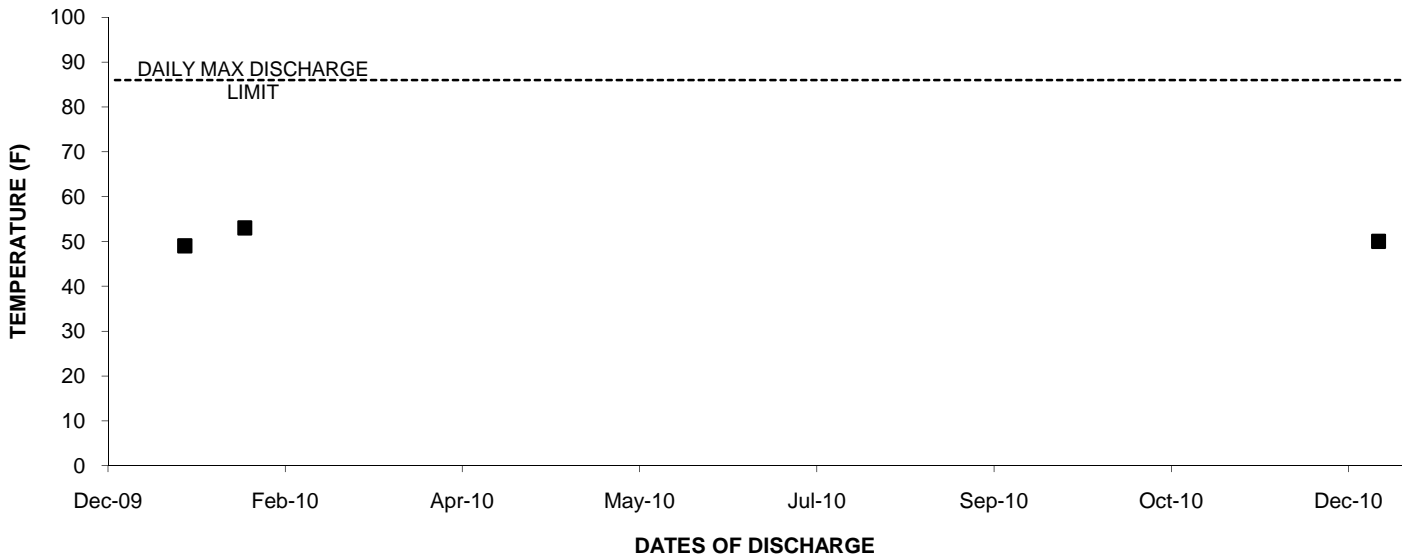
### 2010: Outfall 011 SULFATE



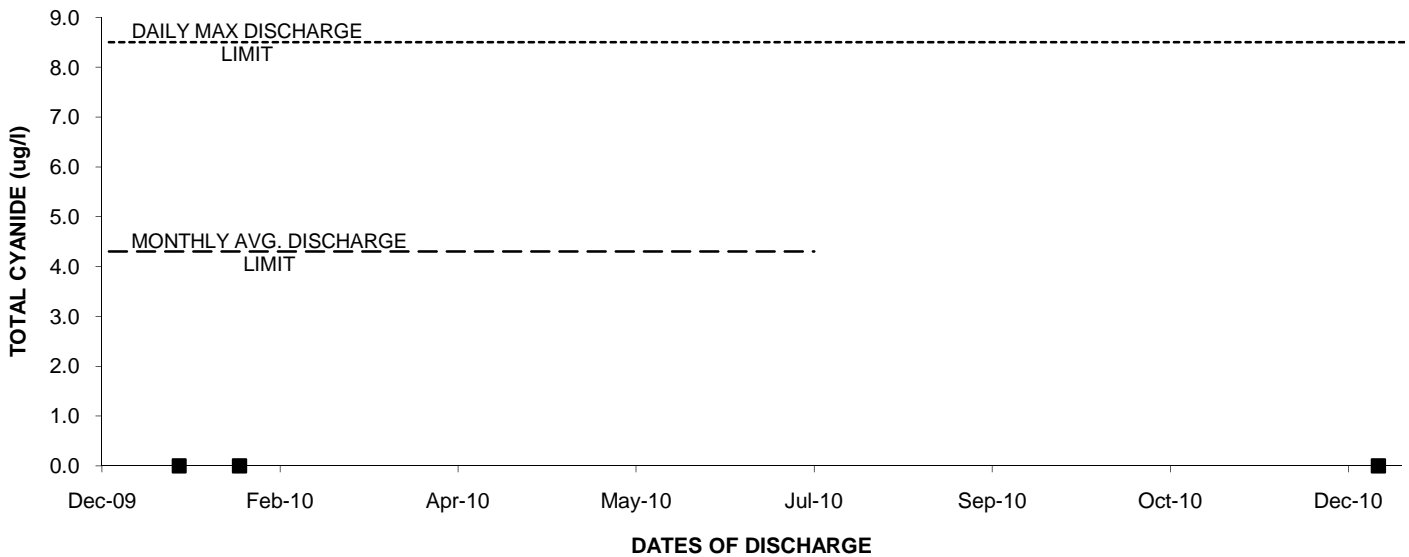
### 2010: Outfall 011 SURFACTANTS (MBAS)



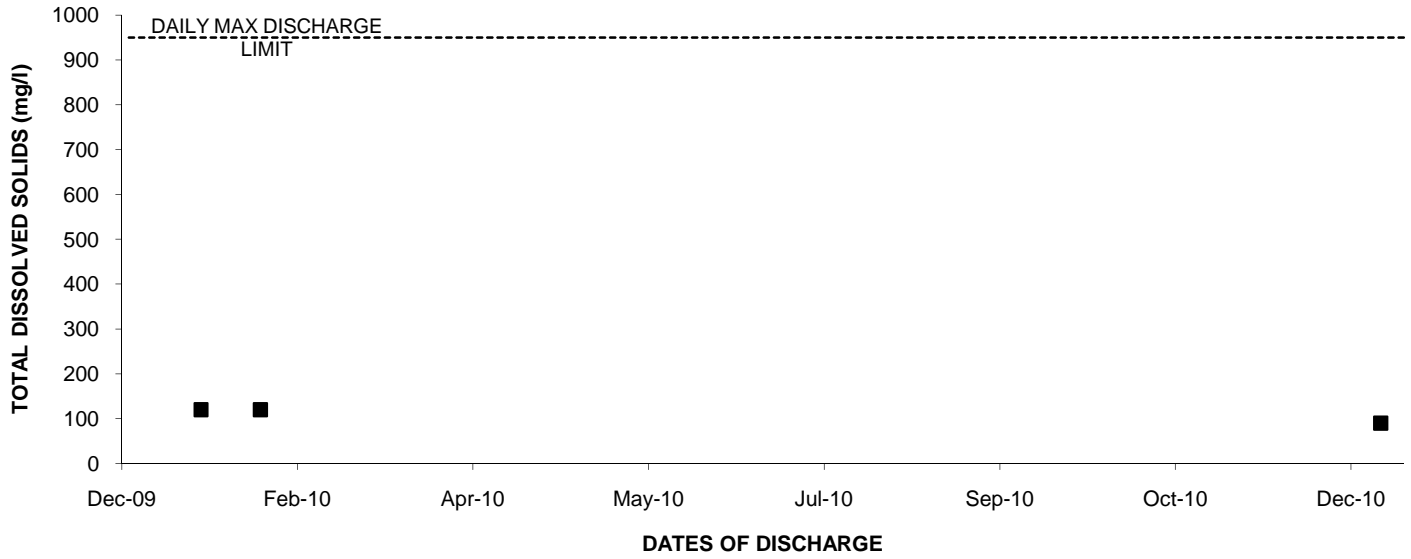
### 2010: Outfall 011 TEMPERATURE



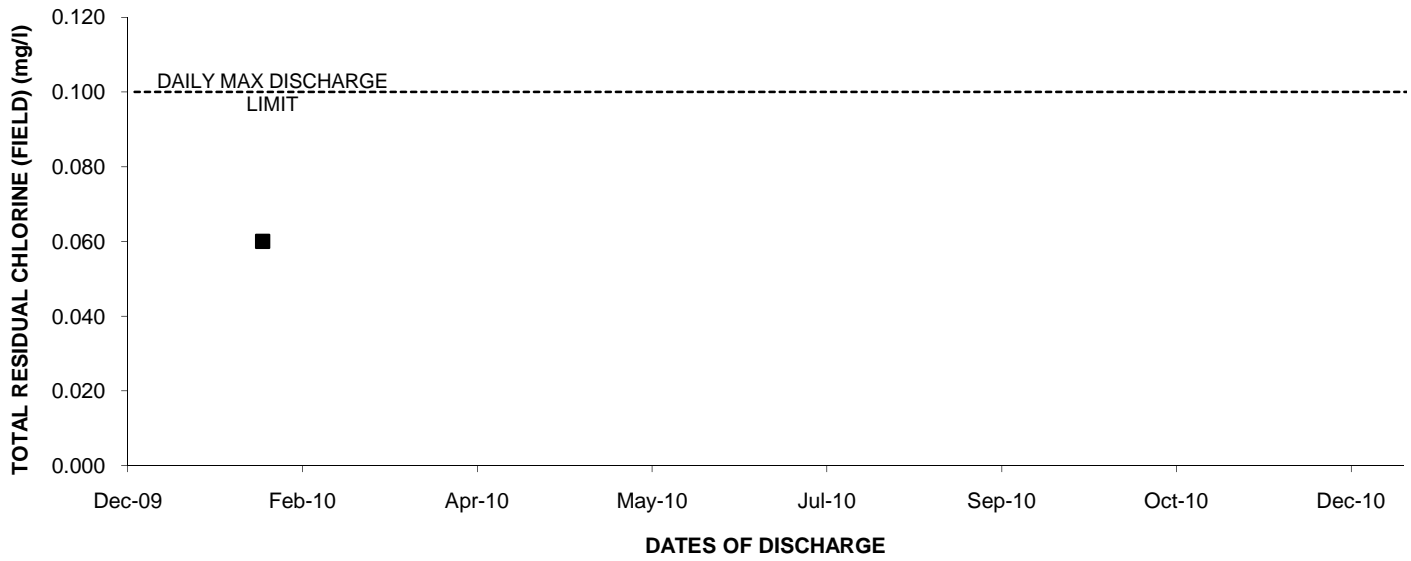
### 2010: Outfall 011 TOTAL CYANIDE



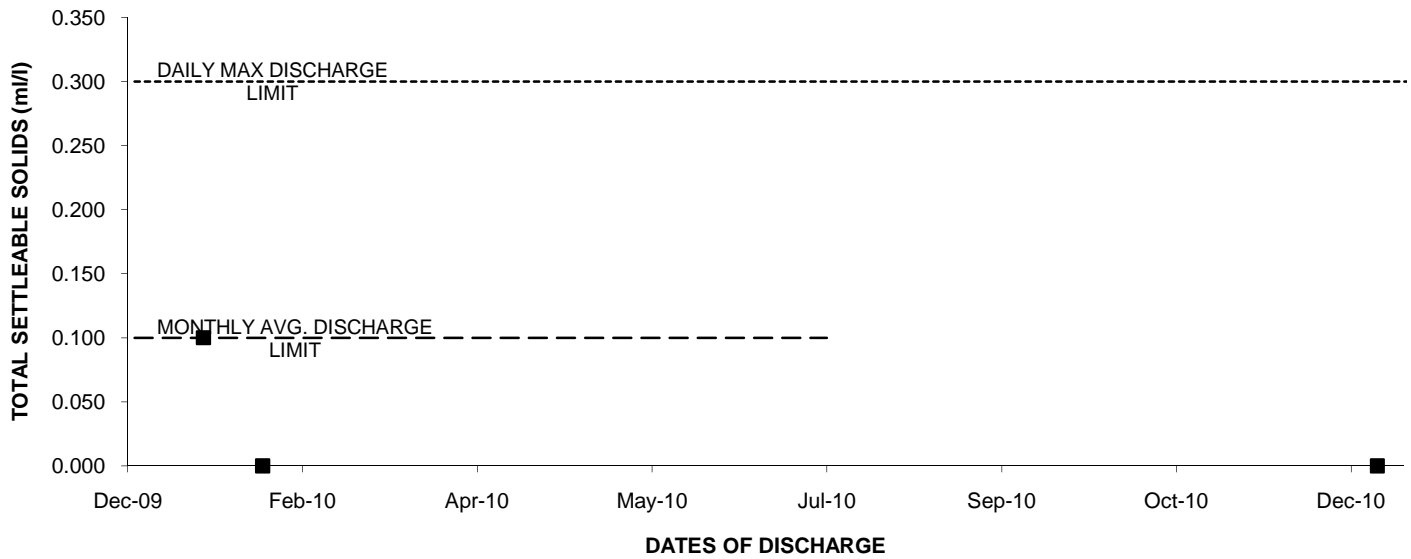
### 2010: Outfall 011 TOTAL DISSOLVED SOLIDS



### 2010: Outfall 011 TOTAL RESIDUAL CHLORINE (FIELD)

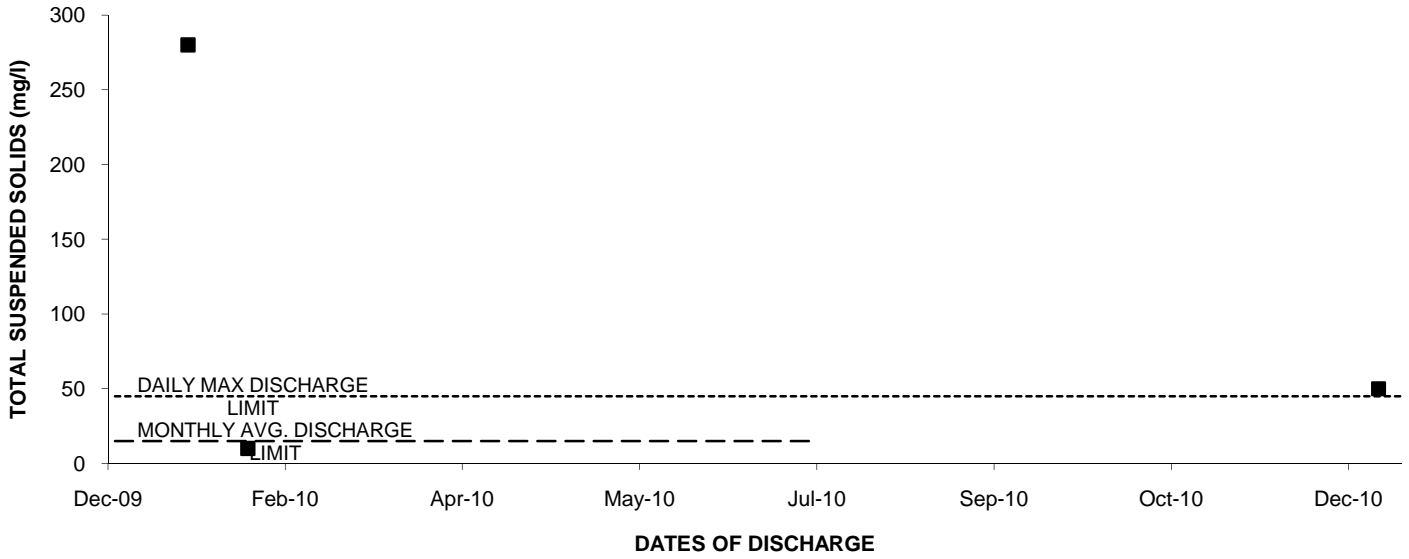


### 2010: Outfall 011 TOTAL SETTLEABLE SOLIDS

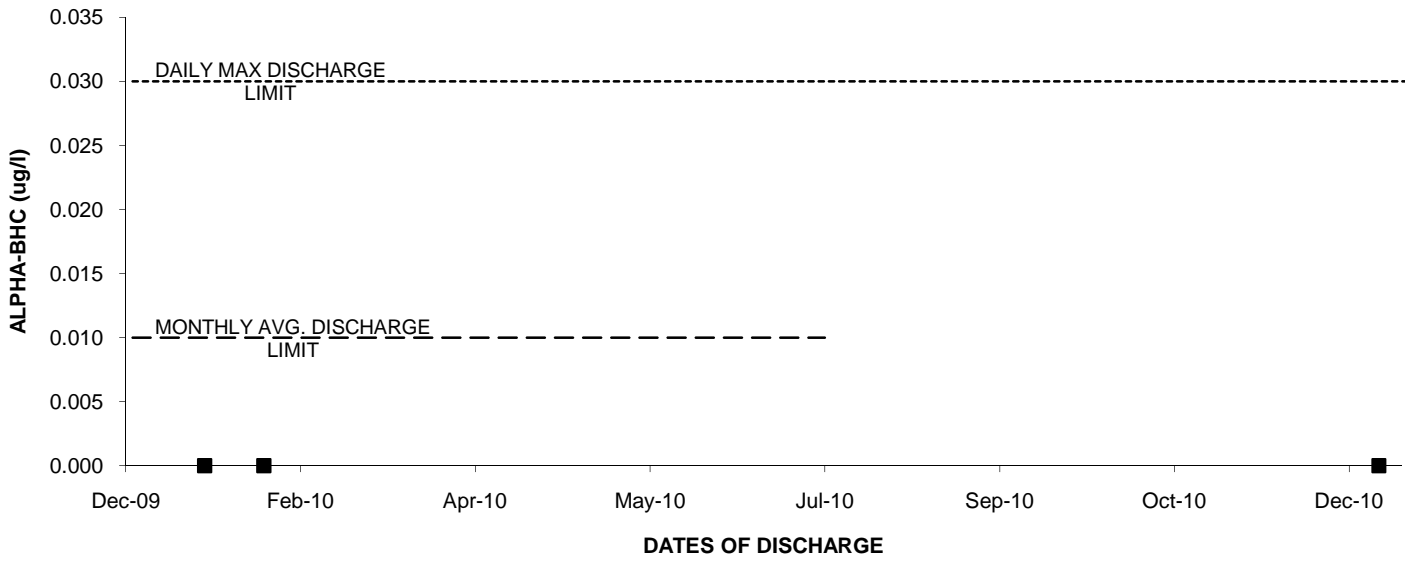




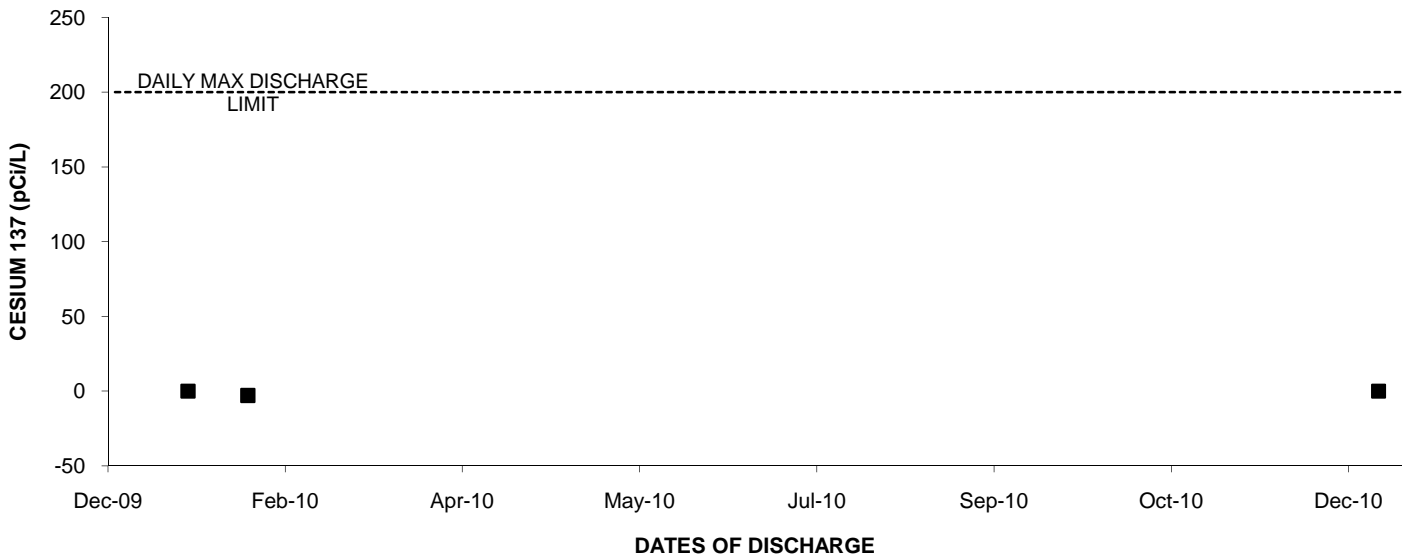
### 2010: Outfall 011 TOTAL SUSPENDED SOLIDS



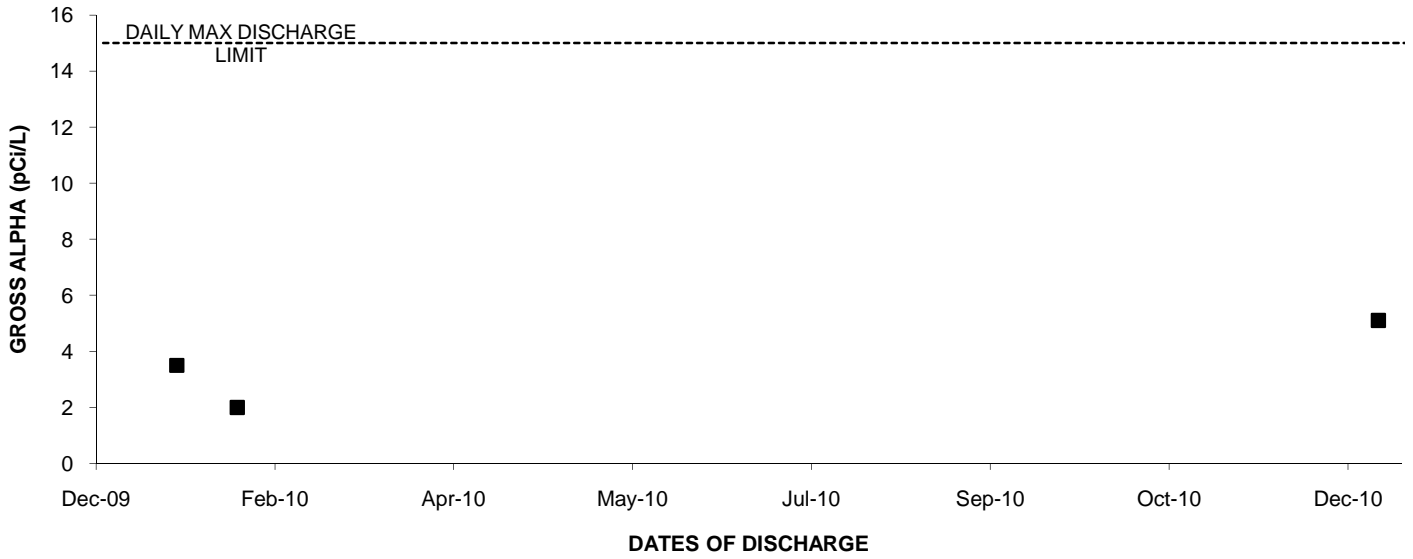
### 2010: Outfall 011 ALPHA-BHC



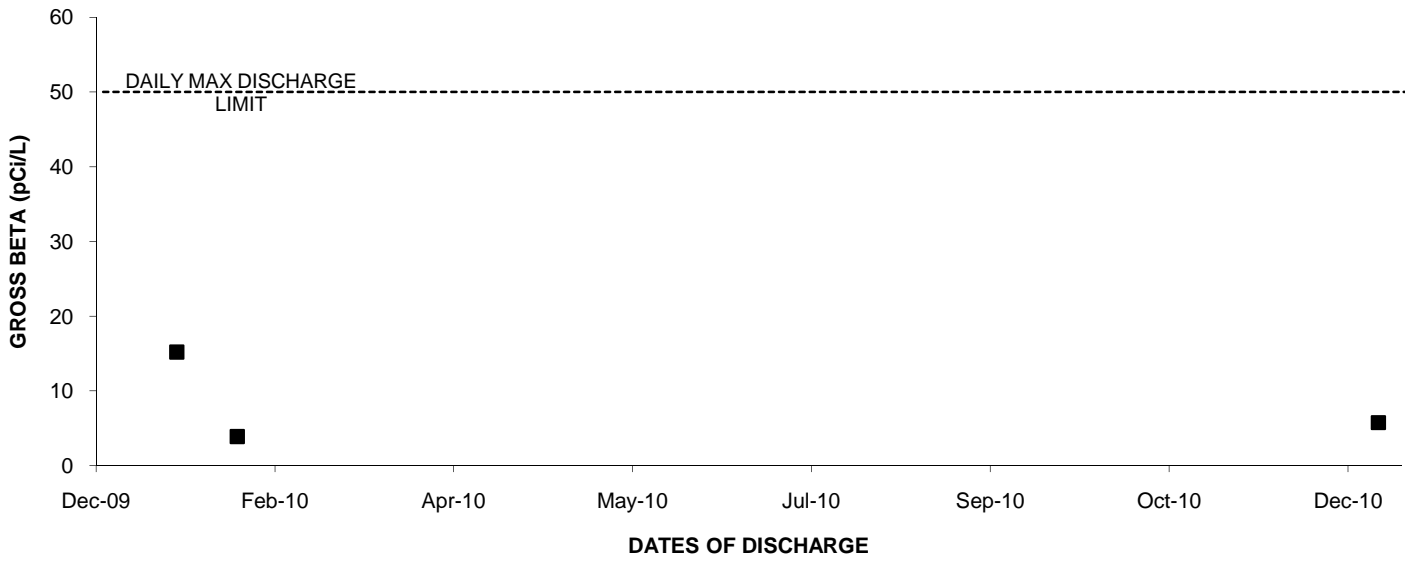
### 2010: Outfall 011 CESIUM 137



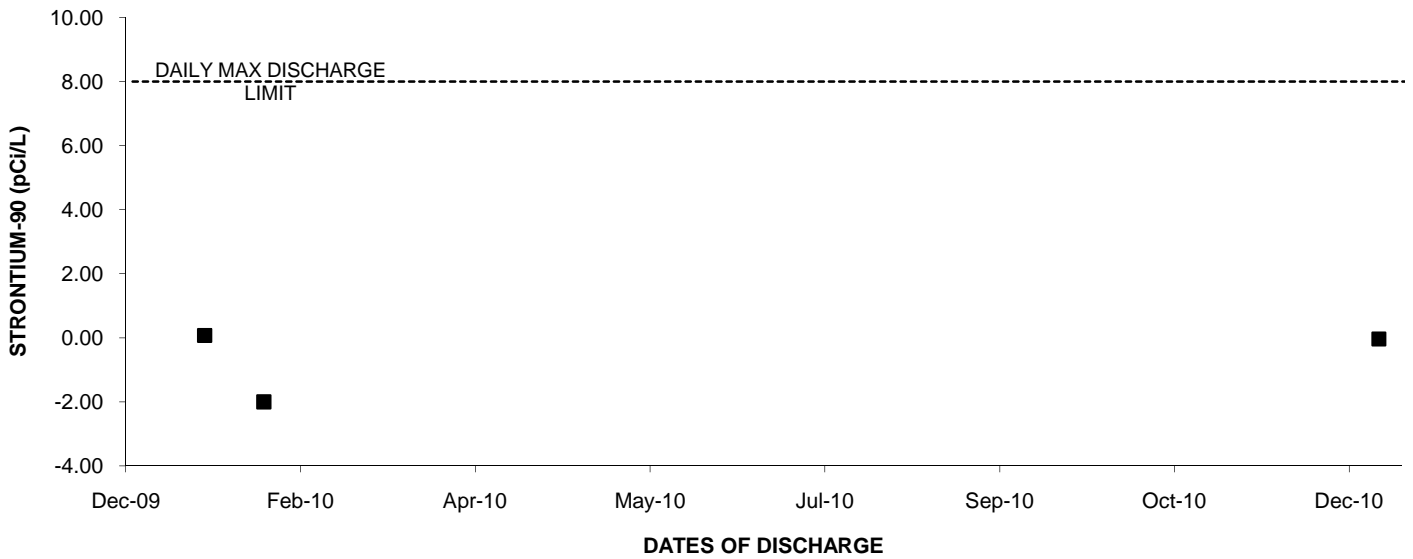
### 2010: Outfall 011 GROSS ALPHA



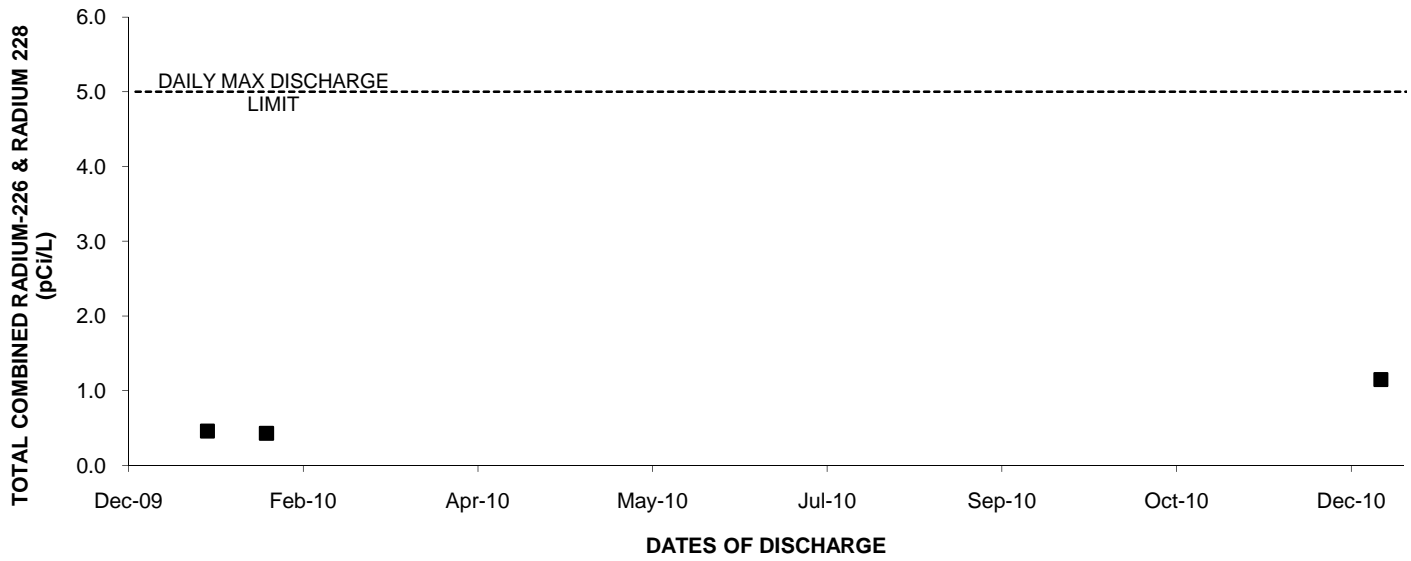
### 2010: Outfall 011 GROSS BETA



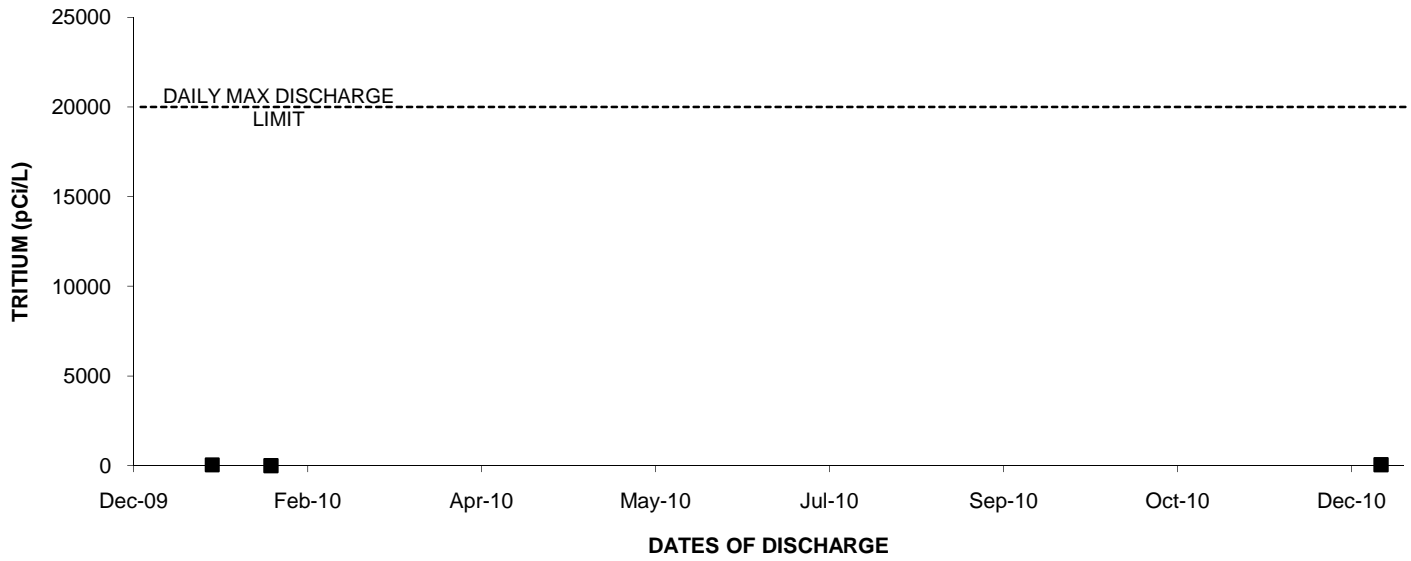
### 2010: Outfall 011 STRONTIUM-90



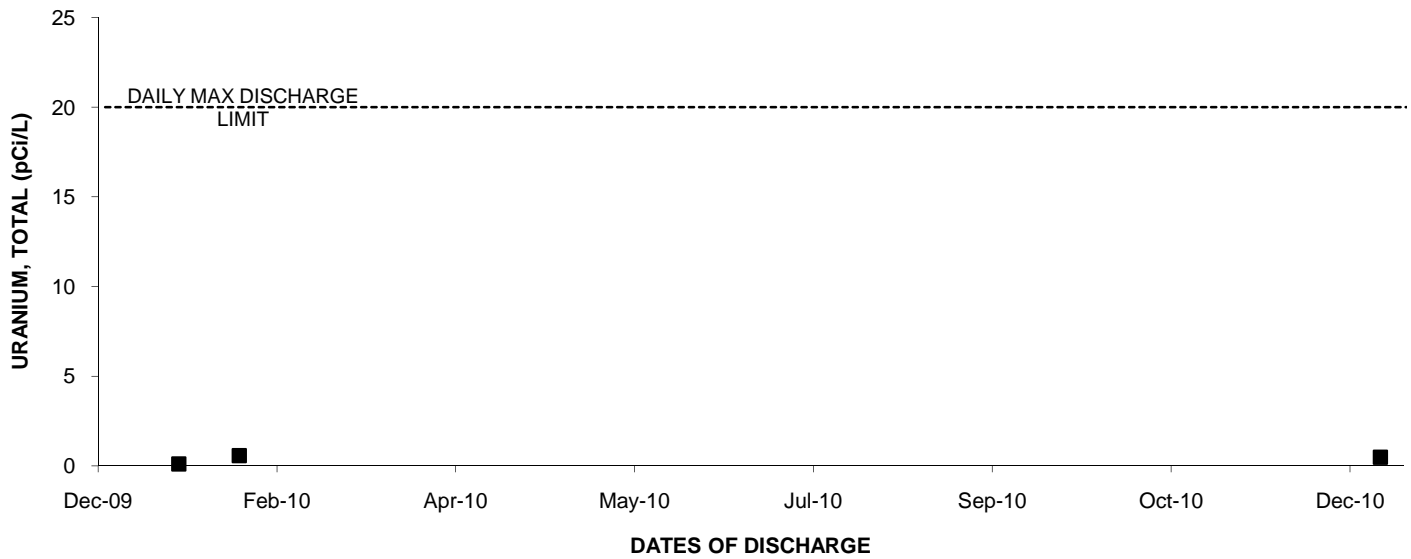
### 2010: Outfall 011 TOTAL COMBINED RADIUM-226 & RADIUM 228



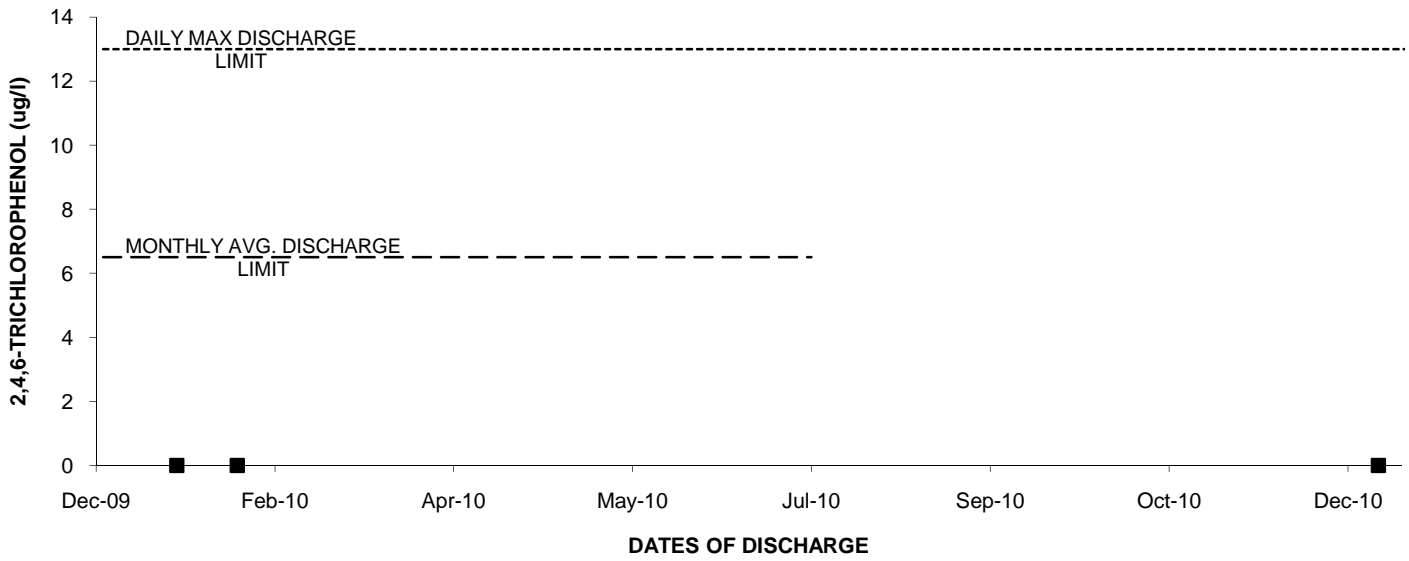
### 2010: Outfall 011 TRITIUM



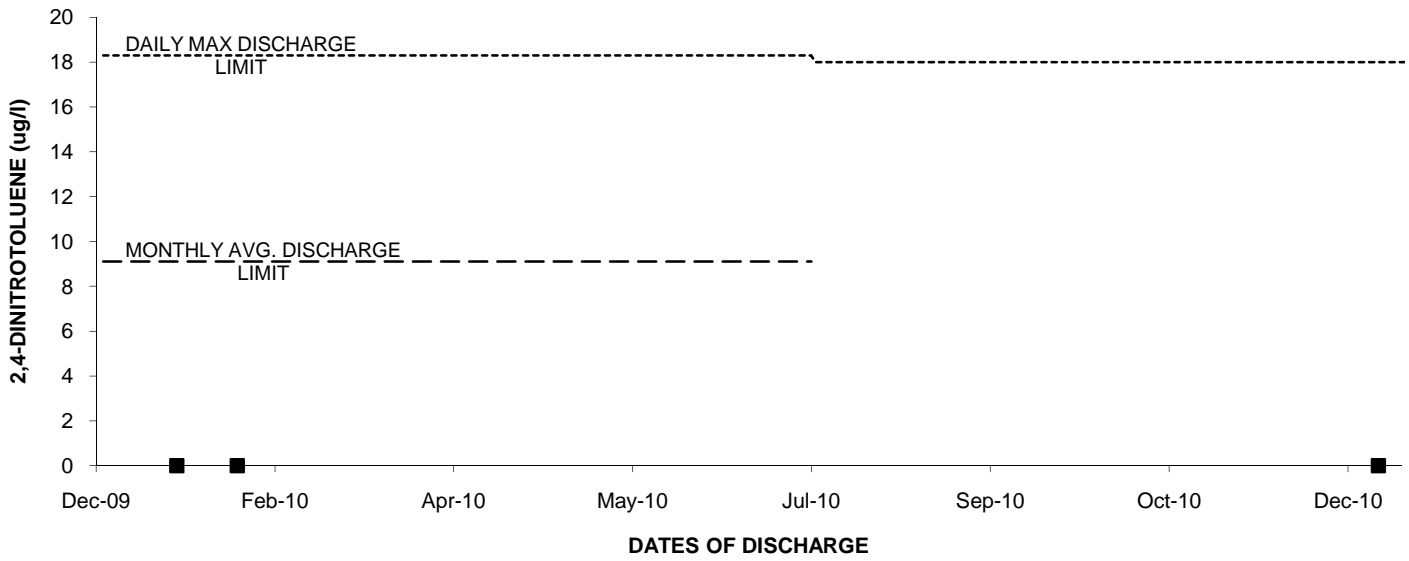
### 2010: Outfall 011 URANIUM, TOTAL



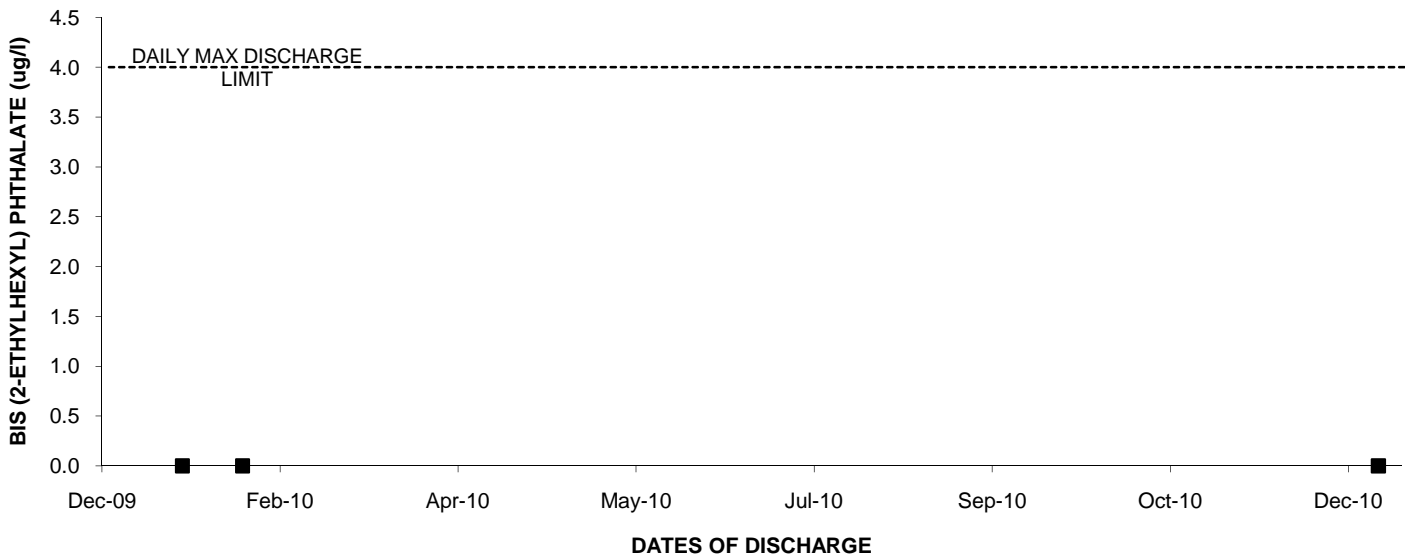
### 2010: Outfall 011 2,4,6-TRICHLOROPHENOL



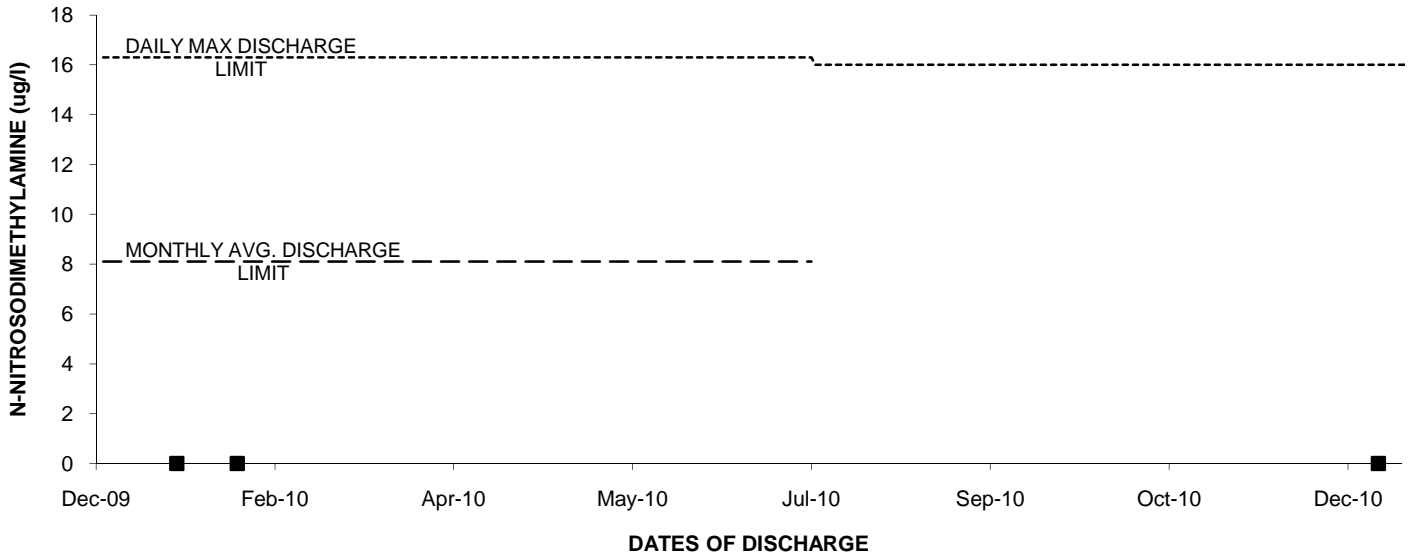
### 2010: Outfall 011 2,4-DINITROTOLUENE



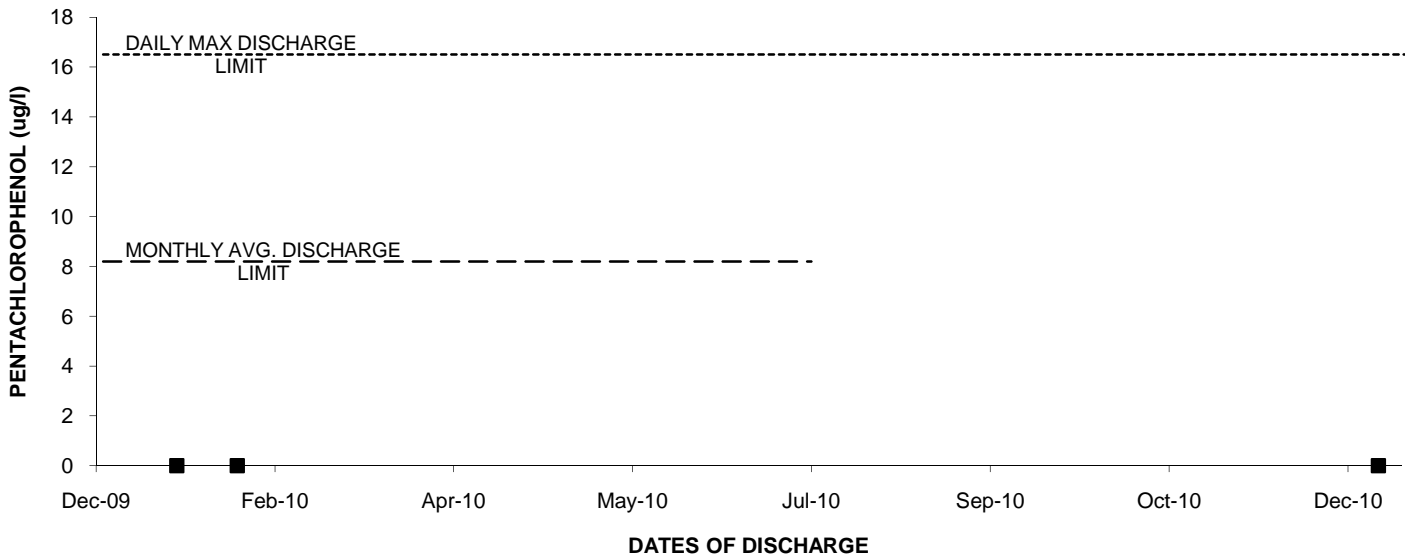
### 2010: Outfall 011 BIS (2-ETHYLHEXYL) PHTHALATE



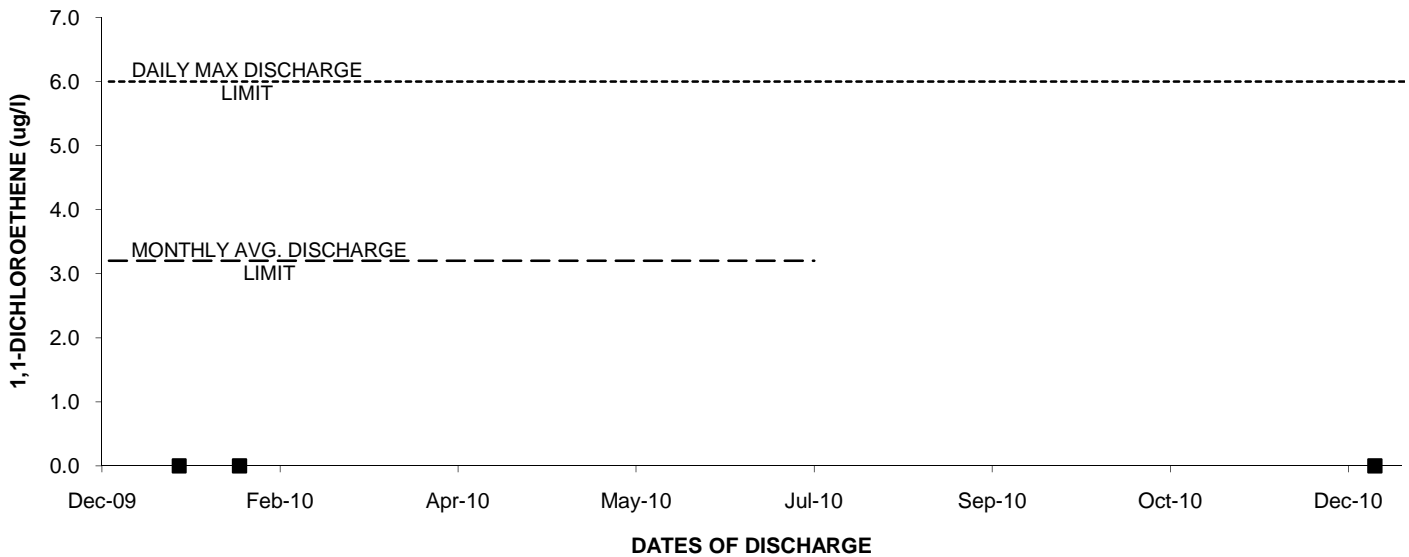
### 2010: Outfall 011 N-NITROSODIMETHYLAMINE



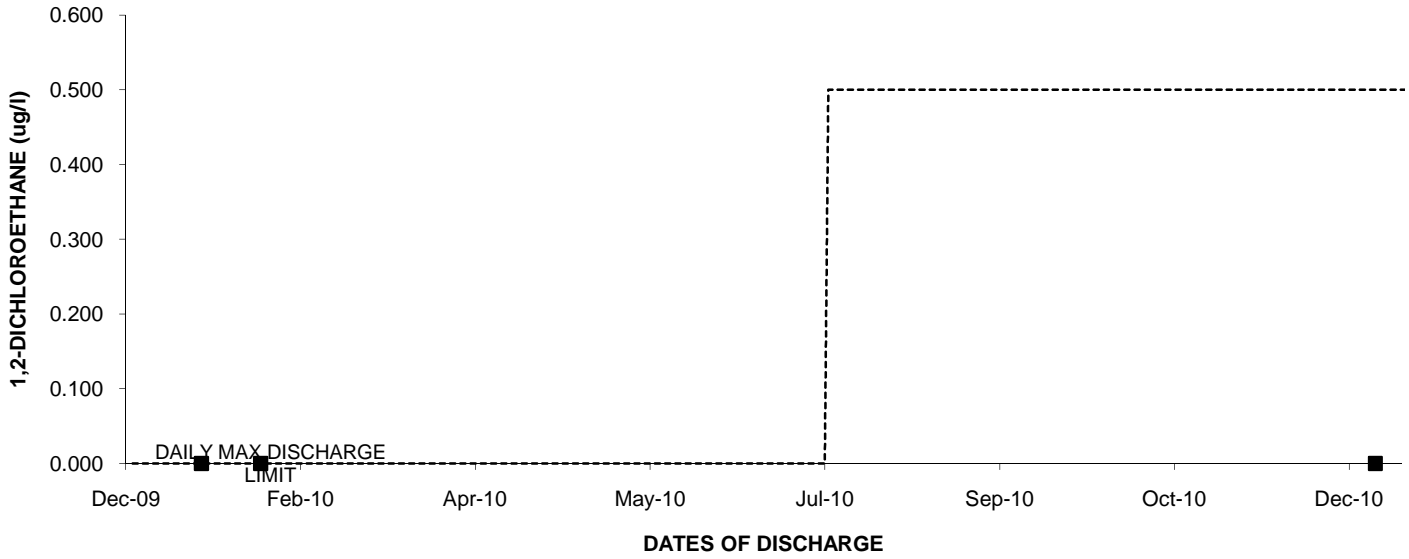
### 2010: Outfall 011 PENTACHLOROPHENOL



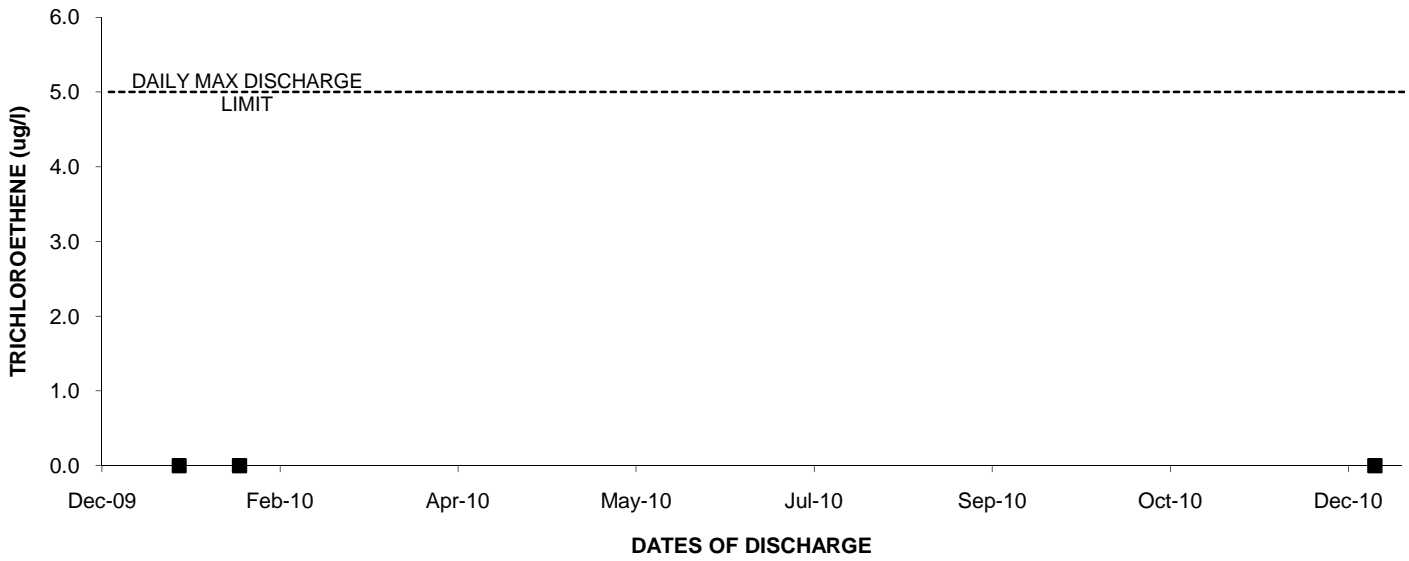
### 2010: Outfall 011 1,1-DICHLOROETHENE



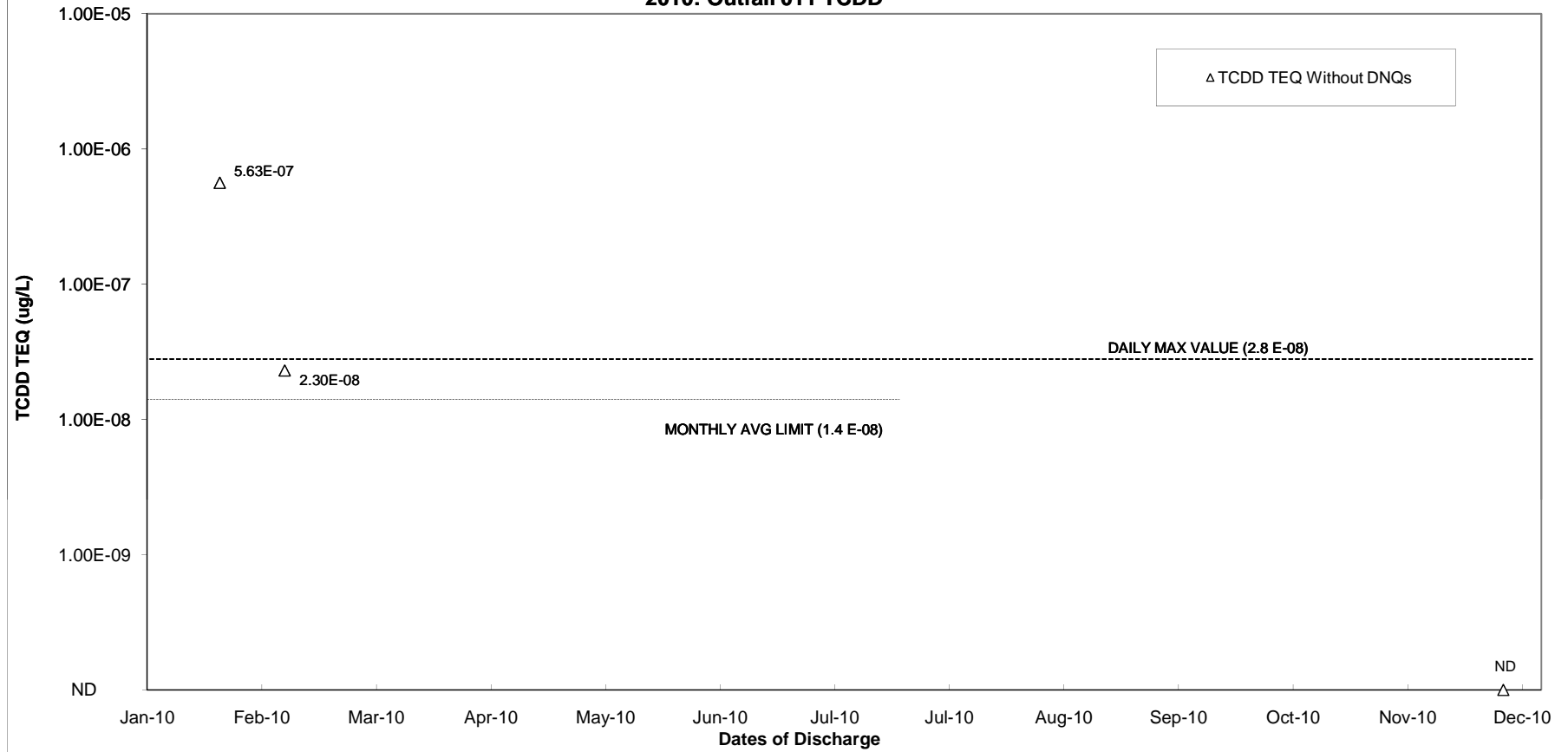
### 2010: Outfall 011 1,2-DICHLOROETHANE



### 2010: Outfall 011 TRICHLOROETHENE



### 2010: Outfall 011 TCDD



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