

APPENDIX C

THIRD QUARTER 2007 SUMMARY TABLES, DISCHARGE  
MONITORING DATA, OUTFALLS 002, 004, 006, 009 AND 010

**THIRD QUARTER 2007 REPORTING SUMMARY NOTES  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Notes:**

1. TCDD TEQs for the purpose of determining permit compliance are the sum of the products of the detected dioxin congener concentration multiplied by that congener's 1998 World Health Organization's (WHO) toxic equivalency factor (TEF). The resulting compliance TCDD TEQ does not include those congener concentrations that are reported as DNQ, as specified on Page 46 of the NPDES permit.
2. For some sample dates, pH was determined with a field instrument to obtain a more representative result and was noted as such. These results were not validated.
3. The NPDES permit limits for mercury of 0.10 µg/L (Outfalls 001, 002, 011, and 018) and 0.13 µg/L (Outfalls 3-10) are not achievable by the laboratory; therefore, the laboratory reporting limit of 0.20 µg/L was used to determine compliance.
4. The following assumptions and rationale were used to report the DMR Quantity or Loading results:

Loading (lbs/day) = Measured Sample Concentration (mg/L) x 8.34 x Outfall flow (MGD)  
Monthly Average Loading (lbs/day) = Sum of Event Mass Discharges within a Month /  
Number of Days of Flow for all Sample Events

Where:

Event Mass Discharge = Measured Sample Concentration for Event (mg/L) x  
8.34 x Total Flow for Sample Event (MGD)

In Compliance with the Permit (Page 44, Section D), for Monthly Average Discharge Values:

- For calculating the monthly average, one-half of the MDL was used for concentration results reported as ND.
  - For calculating the monthly average, the estimated value was used for concentration results reported as DNQ.
  - If all pollutants belonging to the same group are reported as ND or DNQ, the sum of the individual pollutant concentrations were considered zero for calculation of the monthly average.
5. Data presented in the report tables are reported as quantified to the MDL (ND < MDL) and includes estimated detections (DNQ values) to provide low-level information and to give an indication of the sensitivity of the methods used. The laboratory-derived MDLs are designed to be reliable however, the data generation and validation procedures are designed to establish defensibility of quantified data to the RL. Data presented in the tables are accurate and reliable as qualified, but the final laboratory data reports and data validation reports must be used to determine legal defensibility. This does not affect compliance determination, since values below the RL are not used for compliance purposes.

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**Symbols and Abbreviations:**

The following symbols and abbreviations may occur on report tables:

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|              |  |
|--------------|--|
| -92.9 +/-200 | A negative radiochemical analytical result indicates the count rate of the sample was less than the background condition   |
| \$           | reported result or other information was incorrectly reported by the laboratory; result was corrected by the data validator  |
| --           | based on validation of the data, a qualifier was not required  |
| -/-          | no permit limit established for daily maximum or monthly average   |
| <(value)     | analyte not detected at a concentration greater than or equal to the DL, MDL, or RL (see laboratory report for specific detail)  |
| *            | result not validated   |
| *1           | improper preservation of sample  |
| *2           | the ICP/MS ppb check standard was recovered above the control limit; therefore, the constituent detected was qualified as estimated (J)  |
| *3           | initial and or continuing calibration recoveries were outside acceptable control limits  |
| *4           | Extractable Fuel Hydrocarbon (EFH) recovery was above control limit in the blank spike only and relative percent difference for the EFH blank spike/blank spike duplicate pair exceeded the quality control (QC) limit of </-25% |
| *5           | blank spike/blank spike duplicate relative percent difference was outside the control limit  |
| *7           | BOD results were estimated due to method derivation  |
| *10          | value was estimated detect or estimated non detect (J,UJ) due to deficiencies in quantitation of the constituent including constituents reported by the laboratory as Estimated Maximum Possible Concentration (EMPC) values     |
| *11          | no calibration was performed for this compound; result is reported as a tentatively identified compound (TIC)  |
| *II          | Unusual problems found with the data that have been described in Section II, "Sample Management" of the validation reports.  |
| *III         | Unusual problems found with the data that have been described in Section III, "Method Analyses" of the validation reports.   |
| ANR          | analysis not required; e.g., constituent or outfall was not required by the permit to be sampled and analyzed (annual, semi-annual, etc.)  |
| B            | laboratory method blank contamination  |
| C            | calibration %RSD or %D were noncompliant   |
| C5           | Calibration verification %R was outside method control limits  |
| D            | analysis with this flag should not be used because another more technically sound analysis is available  |
| %D           | percent difference between the initial and continuing calibration relative response factors  |
| deg F        | degrees Fahrenheit   |
| DL           | detection limit  |
| DNQ          | detected but not quantified (constituent value greater than or equal to the laboratory method detection limit and less then the laboratory reporting limit)  |
| E            | duplicates show poor agreement   |

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|                 |  |
|-----------------|--|
| H               | holding time was exceeded  |
| I               | ICP interference check solution results were unsatisfactory  |
| J               | estimated value  |
| K               | The sample dilution's set-up did not meet the oxygen depletion criteria of at least 2 mg/l. Therefore, the reported result is an estimated value only.                                       |
| L2              | the laboratory control sample %R was below the method control limits   |
| lbs/day         | pounds per day   |
| L               | laboratory control sample %R was outside control limits  |
| LOD             | limit of detection   |
| M1              | matrix spike (MS) and/or MS duplicate were above the acceptance limits due to sample matrix interference   |
| M2              | the MS and/or MS duplicate were below the acceptance limits due to sample matrix interference  |
| M-3             | Results exceeded the linear range in the MS and/or MS duplicate and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS). |
| MDA             | minimum detectable activity  |
| MDL             | method detection limit   |
| MGD             | million gallons per day  |
| mg/L            | milligrams per liter   |
| ml/L            | milliliters per liter  |
| NA              | not applicable; no permit limit established for the constituent and/or outfall   |
| ND              | analyte value less than the LOD or MDL   |
| NM              | not measured or determined   |
| NTU             | nephelometric turbidity unit   |
| pCi/L           | picocuries per liter   |
| pg/L            | picograms per liter  |
| Q               | matrix spike recovery outside of control limits  |
| R               | (as a validation qualifier): results are rejected; the presence or absence of analyte cannot be verified   |
| R               | (as a reason code in parentheses): %R for calibration not within control limits  |
| RL              | laboratory reporting limit   |
| RL-1            | reporting limit raised due to sample matrix effects  |
| %RSD            | percent relative standard deviation  |
| S               | surrogate recovery was outside control limits  |
| TEQ             | toxic equivalency quotient   |
| T               | presumed contamination, as indicated by a detect in the trip blank   |
| TU <sub>c</sub> | toxicity units (chronic)   |
| U               | result not detected  |
| ug/L            | micrograms per liter   |
| UJ              | result not detected at the estimated reporting limit   |
| umhos/cm        | micromhos per centimeter   |
| WHO TEF         | World Health Organization toxic equivalency factor   |
| ^               | analysis not completed due to hold time exceedence or insufficient sample volume   |
| +               | False positive – reported compound was not present. Not applicable.  |

**OUTFALL 002 (South Slope below R-2 Pond)**

**THIRD QUARTER 2007 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**July 1 through September 30, 2007**

| ANALYTE                               | UNITS    | Permit Limit<br>Daily<br>Max/Monthly Avg | 9/22/2007 |                         |
|---------------------------------------|----------|--|-----------|-------------------------|
|                                       |          |  | RESULT    | VALIDATION<br>QUALIFIER |
| Ammonia as Nitrogen (N)               | mg/L     | 10.1/1.96                                | 5.9       | --                      |
| Biochemical Oxygen Demand (BOD 5 day) | mg/L     | 30/20                                    | 20        | --                      |
| Chloride                              | mg/L     | 150/-                                    | 4.4       | --                      |
| Specific Conductivity (Lab)           | umhos/cm | -/-                                      | 300       | --                      |
| Surfactants (MBAS)                    | mg/L     | 0.5/-                                    | 0.13      | --                      |
| Fluoride                              | mg/L     | 1.6/-                                    | 0.50      | J (DNQ)                 |
| Nitrate + Nitrite as Nitrogen (N)     | mg/L     | 8.0/-                                    | 4.0       | --                      |
| Nitrate as Nitrogen (N)               | mg/L     | 8.0/-                                    | 3.8       | --                      |
| Nitrite-N                             | mg/L     | 1.0/-                                    | 0.22      | J (Q)                   |
| Oil & Grease                          | mg/L     | 15/10                                    | 1.5       | J (DNQ)                 |
| Perchlorate                           | ug/L     | 6.0/-                                    | ND < 3.0  | U                       |
| pH (Field)                            | pH units | 6.5-8.5/-                                | 7.0       | *                       |
| Total Settleable Solids               | ml/L     | 0.3/0.1                                  | ND < 0.10 | R (*III)                |
| Sulfate                               | mg/L     | 300/-                                    | 11        | --                      |
| Temperature                           | deg. F   | 86/-                                     | 54        | *                       |
| Total Cyanide                         | ug/L     | 8.5/4.3                                  | 10        | --                      |
| Total Dissolved Solids                | mg/L     | 950/-                                    | 780       | --                      |
| Hardness                              | mg/L     | -/-                                      | 990       | --                      |
| Hardness, dissolved                   | mg/L     | -/-                                      | 110       | --                      |
| Total Organic Carbon                  | mg/L     | -/-                                      | 53        | --                      |
| Total Residual Chlorine               | mg/L     | 0.1/-                                    | ND < 0.10 | UJ (H)                  |
| Total Suspended Solids                | mg/L     | 45/15                                    | 33000     | --                      |
| Turbidity                             | NTU      | -/-                                      | 8400      | --                      |
| Volume Discharged                     | MGD      | 160/-                                    | 0.234     | *                       |
| <b>METALS</b>                         |          |  |           |                         |
| Antimony                              | ug/L     | 6.0/-                                    | ND < 1.0  | U                       |
| Antimony, dissolved                   | ug/L     | -/-                                      | 0.93      | J (DNQ)                 |
| Arsenic                               | ug/L     | 10/-                                     | 35        | --                      |
| Barium                                | mg/L     | 1.0/-                                    | 2.3       | --                      |
| Barium, dissolved                     | mg/L     | -/-                                      | 0.044     | --                      |
| Beryllium                             | ug/L     | 4.0/-                                    | 11        | --                      |
| Beryllium, dissolved                  | ug/L     | -/-                                      | ND < 0.90 | U                       |
| Boron                                 | mg/L     | -/-                                      | 0.22      | --                      |
| Boron, dissolved                      | mg/L     | -/-                                      | 0.083     | --                      |
| Calcium                               | mg/L     | -/-                                      | 310       | --                      |
| Calcium, Dissolved                    | mg/L     | -/-                                      | 32        | --                      |
| Cobalt                                | ug/L     | -/-                                      | 91        | --                      |
| Cobalt, dissolved                     | ug/L     | -/-                                      | 3.2       | J (DNQ)                 |
| Cadmium                               | ug/L     | 3.1/2.0                                  | 6.9       | --                      |
| Cadmium, dissolved                    | ug/L     | -/-                                      | ND < 0.22 | U                       |
| Chromium                              | ug/L     | 16.3/8.1                                 | 100       | --                      |
| Chromium, dissolved                   | ug/L     | -/-                                      | ND < 2.0  | U                       |
| Chromium VI                           | ug/L     | 16.3/8.1                                 | ANR       | ANR                     |

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**July 1 through September 30, 2007**

| ANALYTE                              | UNITS | Permit Limit<br>Daily<br>Max/Monthly Avg | 9/22/2007 |                         |
|--------------------------------------|-------|--|-----------|-------------------------|
|                                      |       |  | RESULT    | VALIDATION<br>QUALIFIER |
| Copper                               | ug/L  | 14.0/7.1                                 | 100       | --                      |
| Copper, dissolved                    | ug/L  | -/-                                      | 7.9       | --                      |
| Iron                                 | mg/L  | 0.3/-                                    | 97        | --                      |
| Iron, dissolved                      | mg/L  | -/-                                      | 0.62      | --                      |
| Lead                                 | ug/L  | 5.2/2.6                                  | 310       | --                      |
| Lead, dissolved                      | ug/L  | -/-                                      | 1.9       | J (DNQ)                 |
| Magnesium                            | mg/L  | -/-                                      | 54        | --                      |
| Magnesium, Dissolved                 | mg/L  | -/-                                      | 7.6       | --                      |
| Manganese                            | ug/L  | 50/-                                     | 11000     | --                      |
| Manganese, dissolved                 | ug/L  | -/-                                      | 260       | --                      |
| Mercury                              | ug/L  | 0.10/0.05                                | 0.042     | J (DNQ)                 |
| Mercury, dissolved                   | ug/L  | -/-                                      | 0.029     | J (DNQ)                 |
| Nickel                               | ug/L  | 96/35                                    | 110       | --                      |
| Nickel, dissolved                    | ug/L  | -/-                                      | 5.3       | --                      |
| Selenium                             | ug/L  | 8.2/4.1                                  | 3.9       | J (DNQ)                 |
| Selenium, dissolved                  | ug/L  | -/-                                      | 0.76      | J (DNQ)                 |
| Silver                               | ug/L  | 4.1/2.0                                  | ND < 1.0  | U                       |
| Silver, dissolved                    | ug/L  | -/-                                      | ND < 0.40 | U                       |
| Thallium                             | ug/L  | 2.0/-                                    | 1.9       | J (DNQ)                 |
| Thallium, dissolved                  | ug/L  | -/-                                      | 0.31      | J (DNQ)                 |
| Vanadium                             | ug/L  | -/-                                      | 210       | --                      |
| Vanadium, dissolved                  | ug/L  | -/-                                      | 4.2       | J (DNQ)                 |
| Zinc                                 | ug/L  | 119/54                                   | 790       | --                      |
| Zinc, dissolved                      | ug/L  | -/-                                      | ND < 6.0  | U                       |
| <b>ORGANICS</b>                      |       |  |           |                         |
| Benzene                              | ug/L  | -/-                                      | ND < 0.28 | U                       |
| Carbon Tetrachloride                 | ug/L  | -/-                                      | ND < 0.28 | U                       |
| Chloroform                           | ug/L  | -/-                                      | ND < 0.33 | U                       |
| 1,1-Dichloroethane                   | ug/L  | -/-                                      | ND < 0.27 | U                       |
| 1,2-Dichloroethane                   | ug/L  | -/-                                      | ND < 0.28 | U                       |
| 1,1-Dichloroethene                   | ug/L  | 6.0/3.2                                  | ND < 0.42 | U                       |
| 1,4-Dioxane                          | ug/L  | -/-                                      | ND < 1.0  | U (B)                   |
| Ethylbenzene                         | ug/L  | -/-                                      | ND < 0.25 | U                       |
| Tetrachloroethene                    | ug/L  | -/-                                      | ND < 0.32 | U                       |
| Toluene                              | ug/L  | -/-                                      | ND < 0.36 | U                       |
| Xylenes (Total)                      | ug/L  | -/-                                      | ND < 0.90 | U                       |
| 1,1,1-Trichloroethane                | ug/L  | -/-                                      | ND < 0.30 | U                       |
| 1,1,2-Trichloroethane                | ug/L  | -/-                                      | ND < 0.30 | U                       |
| Trichloroethene                      | ug/L  | 5.0/-                                    | ND < 0.26 | U                       |
| Trichlorofluoromethane               | ug/L  | -/-                                      | ND < 0.34 | U                       |
| Trichlorotrifluoroethane (Freon 113) | ug/L  | -/-                                      | ND < 1.5  | U                       |
| Vinyl Chloride                       | ug/L  | -/-                                      | ND < 0.30 | U                       |
| <b>TPH</b>                           |       |  |           |                         |
| EFH (C13 - C22)                      | mg/L  | -/-                                      | 0.20      | J (DNQ)                 |

**OUTFALL 002 (South Slope below R-2 Pond)**

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NPDES PERMIT CA0001309**

**July 1 through September 30, 2007**

| ANALYTE                            | UNITS      | Permit Limit<br>Daily<br>Max/Monthly Avg | 9/22/2007   |                         |
|------------------------------------|------------|--|-------------|-------------------------|
|                                    |            |  | RESULT      | VALIDATION<br>QUALIFIER |
| GRO (C4 - C12)                     | mg/L       | -/-                                      | ND < 0.025  | U                       |
| TRPH                               | mg/L       | -/-                                      | ND < 0.60   | U                       |
| <b>ADDITIONAL ANALYTES</b>         |            |  |             |                         |
| 1,2-Dichloro-1,1,2-trifluoroethane | ug/L       | -/-                                      | ND < 2.5    | UJ (*III)               |
| 2,4,5-Trichlorophenol              | ug/L       | -/-                                      | ND < 0.19   | U                       |
| 1,1,2,2-Tetrachloroethane          | ug/L       | -/-                                      | ND < 0.24   | U                       |
| 1,2,4-Trichlorobenzene             | ug/L       | -/-                                      | ANR         | ANR                     |
| 1,2-Dichlorobenzene                | ug/L       | -/-                                      | ND < 0.32   | U                       |
| 1,2-Dichloropropane                | ug/L       | -/-                                      | ND < 0.35   | U                       |
| 1,2-Diphenylhydrazine/Azobenzene   | ug/L       | -/-                                      | ANR         | ANR                     |
| 1,3-Dichlorobenzene                | ug/L       | -/-                                      | ND < 0.35   | U                       |
| 1,4-Dichlorobenzene                | ug/L       | -/-                                      | ND < 0.37   | U                       |
| 2,4,6-Trichlorophenol              | ug/L       | 13.0/6.5                                 | ND < 0.094  | U                       |
| 2,4-Dichlorophenol                 | ug/L       | -/-                                      | ND < 0.19   | U                       |
| 2,4-Dimethylphenol                 | ug/L       | -/-                                      | 0.32        | J (DNQ)                 |
| 2,4-Dinitrophenol                  | ug/L       | -/-                                      | ND < 0.85   | U                       |
| 2,4-Dinitrotoluene                 | ug/L       | 18.3/9.1                                 | ND < 0.19   | U                       |
| 2,6-Dinitrotoluene                 | ug/L       | -/-                                      | ND < 0.094  | U                       |
| 2-Chloroethylvinylether            | ug/L       | -/-                                      | ND < 1.8    | U                       |
| 2-Chloronaphthalene                | ug/L       | -/-                                      | ND < 0.094  | U                       |
| 2-Chlorophenol                     | ug/L       | -/-                                      | ND < 0.19   | U                       |
| 2-Methyl-4,6-dinitrophenol         | ug/L       | -/-                                      | ND < 0.19   | U                       |
| 2-Nitrophenol                      | ug/L       | -/-                                      | ND < 0.094  | U                       |
| 3,3'-Dichlorobenzidine             | ug/L       | -/-                                      | ND < 0.38   | U                       |
| 4,4'-DDD                           | ug/L       | -/-                                      | ND < 0.028  | UJ (S)                  |
| 4,4'-DDE                           | ug/L       | -/-                                      | ND < 0.028  | UJ (S)                  |
| 4,4'-DDT                           | ug/L       | -/-                                      | ND < 0.028  | UJ (S)                  |
| 4-Bromophenylphenylether           | ug/L       | -/-                                      | ND < 0.094  | U                       |
| 4-Chloro-3-methylphenol            | ug/L       | -/-                                      | ND < 0.19   | U                       |
| 4-Chloroaniline                    | ug/L       | -/-                                      | ND < 0.094  | U                       |
| 4-Chlorophenylphenylether          | ug/L       | -/-                                      | ND < 0.094  | U                       |
| 4-Nitrophenol                      | ug/L       | -/-                                      | ND < 2.4    | U                       |
| Acenaphthene                       | ug/L       | -/-                                      | ND < 0.094  | U                       |
| Acenaphthylene                     | ug/L       | -/-                                      | ND < 0.094  | U                       |
| Acrolein                           | ug/L       | -/-                                      | ND < 4.0    | U                       |
| Acrylonitrile                      | ug/L       | -/-                                      | ND < 0.70   | U                       |
| Acute Toxicity                     | % SURVIVAL | 70-100/-                                 | 100         | *                       |
| Aldrin                             | ug/L       | -/-                                      | ND < 0.028  | UJ (S)                  |
| alpha-BHC                          | ug/L       | 0.03/0.01                                | ND < 0.0024 | UJ (S)                  |
| Anthracene                         | ug/L       | -/-                                      | ND < 0.094  | U                       |
| Aroclor-1016                       | ug/L       | -/-                                      | ND < 0.42   | UJ (S)                  |
| Aroclor-1221                       | ug/L       | -/-                                      | ND < 0.094  | UJ (S)                  |
| Aroclor-1232                       | ug/L       | -/-                                      | ND < 0.24   | UJ (S)                  |
| Aroclor-1242                       | ug/L       | -/-                                      | ND < 0.24   | UJ (S)                  |

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**July 1 through September 30, 2007**

| ANALYTE                      | UNITS | Permit Limit<br>Daily<br>Max/Monthly Avg | 9/22/2007  |                         |
|------------------------------|-------|--|------------|-------------------------|
|                              |       |  | RESULT     | VALIDATION<br>QUALIFIER |
| Aroclor-1248                 | ug/L  | -/-                                      | ND < 0.24  | UJ (S)                  |
| Aroclor-1254                 | ug/L  | -/-                                      | ND < 0.24  | UJ (S)                  |
| Aroclor-1260                 | ug/L  | -/-                                      | ND < 0.28  | UJ (S)                  |
| Benzidine                    | ug/L  | -/-                                      | ND < 0.94  | UJ (*III)               |
| Benzo(a)anthracene           | ug/L  | -/-                                      | ND < 0.094 | U                       |
| Benzo(a)pyrene               | ug/L  | -/-                                      | ND < 0.094 | UJ (C)                  |
| Benzo(b)fluoranthene         | ug/L  | -/-                                      | ND < 0.094 | U                       |
| Benzo(g,h,l)perylene         | ug/L  | -/-                                      | ND < 0.094 | U                       |
| Benzo(k)fluoranthene         | ug/L  | -/-                                      | ND < 0.094 | U                       |
| beta-BHC                     | ug/L  | -/-                                      | ND < 0.038 | UJ (S)                  |
| bis (2-Chloroethyl) ether    | ug/L  | -/-                                      | ND < 0.094 | U                       |
| bis (2-ethylhexyl) Phthalate | ug/L  | 4.0/-                                    | ND < 4.7   | U (B)                   |
| bis(2-Chloroethoxy) methane  | ug/L  | -/-                                      | ND < 0.094 | U                       |
| bis(2-Chloroisopropyl) ether | ug/L  | -/-                                      | ND < 0.094 | U                       |
| Bromodichloromethane         | ug/L  | -/-                                      | ND < 0.30  | U                       |
| Bromoform                    | ug/L  | -/-                                      | ND < 0.40  | U                       |
| Bromomethane                 | ug/L  | -/-                                      | ND < 0.42  | U                       |
| Butylbenzylphthalate         | ug/L  | -/-                                      | ND < 4.7   | U (B)                   |
| Chlordane                    | ug/L  | -/-                                      | ND < 0.19  | UJ (S)                  |
| Chlorobenzene                | ug/L  | -/-                                      | ND < 0.36  | U                       |
| Chloroethane                 | ug/L  | -/-                                      | ND < 0.40  | U                       |
| Chloromethane                | ug/L  | -/-                                      | ND < 0.40  | U                       |
| Chronic Toxicity             | TUC   | 1.0/-                                    | 16.0       | *                       |
| Chrysene                     | ug/L  | -/-                                      | ND < 0.094 | U                       |
| cis-1,2-Dichloroethene       | ug/L  | -/-                                      | ANR        | ANR                     |
| cis-1,3-Dichloropropene      | ug/L  | -/-                                      | ND < 0.22  | U                       |
| Cyclohexane                  | ug/L  | -/-                                      | ND < 2.5   | UJ (*III)               |
| delta-BHC                    | ug/L  | -/-                                      | ND < 0.019 | UJ (S)                  |
| Dibenzo(a,h)anthracene       | ug/L  | -/-                                      | ND < 0.094 | U                       |
| Dibenzofuran                 | ug/L  | -/-                                      | ND < 0.094 | U                       |
| Dibromochloromethane         | ug/L  | -/-                                      | ND < 0.28  | UJ (C)                  |
| Dieldrin                     | ug/L  | -/-                                      | ND < 0.028 | UJ (S)                  |
| Diethylphthalate             | ug/L  | -/-                                      | ND < 0.094 | U                       |
| Dimethylphthalate            | ug/L  | -/-                                      | ND < 0.094 | U                       |
| Di-n-butylphthalate          | ug/L  | -/-                                      | ND < 0.19  | U                       |
| Di-n-octylphthalate          | ug/L  | -/-                                      | ND < 0.094 | U                       |
| Endosulfan I                 | ug/L  | -/-                                      | ND < 0.028 | UJ (S)                  |
| Endosulfan II                | ug/L  | -/-                                      | ND < 0.038 | UJ (S)                  |
| Endosulfan sulfate           | ug/L  | -/-                                      | ND < 0.047 | UJ (S,C)                |
| Endrin                       | ug/L  | -/-                                      | ND < 0.028 | UJ (S)                  |
| Endrin aldehyde              | ug/L  | -/-                                      | ND < 0.047 | UJ (S)                  |
| Endrin ketone                | ug/L  | -/-                                      | ND < 0.038 | UJ (S,C)                |
| Fluoranthene                 | ug/L  | -/-                                      | ND < 0.094 | U                       |
| Fluorene                     | ug/L  | -/-                                      | ND < 0.094 | U                       |



**OUTFALL 002 (South Slope below R-2 Pond)**

**THIRD QUARTER 2007 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**July 1 through September 30, 2007**

| ANALYTE                          | UNITS | Permit Limit<br>Daily<br>Max/Monthly Avg | 9/22/2007  |                         |
|----------------------------------|-------|--|------------|-------------------------|
|                                  |       |  | RESULT     | VALIDATION<br>QUALIFIER |
| Heptachlor                       | ug/L  | -/-                                      | ND < 0.028 | UJ (S)                  |
| Heptachlor epoxide               | ug/L  | -/-                                      | ND < 0.028 | UJ (S)                  |
| Hexachlorobenzene                | ug/L  | -/-                                      | ND < 0.094 | U                       |
| Hexachlorobutadiene              | ug/L  | -/-                                      | ANR        | ANR                     |
| Hexachlorocyclopentadiene        | ug/L  | -/-                                      | ND < 0.094 | U                       |
| Hexachloroethane                 | ug/L  | -/-                                      | ND < 0.19  | U                       |
| Hydrazine                        | ug/L  | -/-                                      | ND < 0.15  | R (Q)                   |
| Indeno(1,2,3-cd)pyrene           | ug/L  | -/-                                      | ND < 0.094 | U                       |
| Isophorone                       | ug/L  | -/-                                      | ND < 0.094 | U                       |
| Lindane (gamma-BHC)              | ug/L  | -/-                                      | ND < 0.028 | UJ (S)                  |
| Methoxychlor                     | ug/L  | -/-                                      | ND < 0.038 | UJ (S,C)                |
| Methylene Chloride               | ug/L  | -/-                                      | ND < 0.95  | U                       |
| Monomethyl Hydrazine             | ug/L  | -/-                                      | ND < 0.56  | R (Q)                   |
| Naphthalene                      | ug/L  | -/-                                      | ANR        | ANR                     |
| Nitrobenzene                     | ug/L  | -/-                                      | ND < 0.094 | U                       |
| n-Nitrosodimethylamine           | ug/L  | 16.3/8.1                                 | ND < 0.094 | U                       |
| n-Nitroso-di-n-propylamine       | ug/L  | -/-                                      | ND < 0.094 | U                       |
| n-Nitrosodiphenylamine           | ug/L  | -/-                                      | ND < 0.094 | U                       |
| p-Cresol                         | ug/L  | -/-                                      | 18         | --                      |
| Pentachlorophenol                | ug/L  | 16.5/8.2                                 | ND < 0.094 | U                       |
| Phenanthrene                     | ug/L  | -/-                                      | ND < 0.094 | U                       |
| Phenol                           | ug/L  | -/-                                      | 3.2        | --                      |
| Pyrene                           | ug/L  | -/-                                      | ND < 0.094 | U                       |
| Toxaphene                        | ug/L  | -/-                                      | ND < 1.4   | UJ (S)                  |
| trans-1,2-Dichloroethene         | ug/L  | -/-                                      | ND < 0.27  | U                       |
| trans-1,3-Dichloropropene        | ug/L  | -/-                                      | ND < 0.32  | U                       |
| Unsymmetrical Dimethyl Hydrazine | ug/L  | -/-                                      | ND < 0.32  | UJ (Q)                  |

**OUTFALL 002 (South Slope below R-2 Pond)**

**THIRD QUARTER 2007 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Date September 22, 2007**

| ANALYTE             | LAB LOD<br>(ug/L) | LAB RL<br>(ug/L) | LAB<br>RESULT<br>(ug/L) | VALIDATION<br>QUALIFIER | 1998<br>WHO TEF | TCDD Equivalent<br>(w/DNQ Values)<br>(ug/L) | TCDD Equivalent<br>(w/out DNQ Values)<br>(ug/L) |
|---------------------|-------------------|------------------|-------------------------|-------------------------|-----------------|---|---|
| 1,2,3,4,6,7,8-HpCDD | 0.00E+00          | 2.50E-05         | 5.97E-04                | --                      | 0.01            | 5.97E-06                                    | 5.97E-06  |
| 1,2,3,4,6,7,8-HpCDF | 0.00E+00          | 2.50E-05         | 1.37E-04                | --                      | 0.01            | 1.37E-06                                    | 1.37E-06  |
| 1,2,3,4,7,8,9-HpCDF | 0.00E+00          | 2.50E-05         | 1.10E-05                | J (DNQ)                 | 0.01            | 1.10E-07                                    | ND  |
| 1,2,3,4,7,8-HxCDD   | 0.00E+00          | 2.50E-05         | 2.38E-05                | J (DNQ)                 | 0.1             | 2.38E-06                                    | ND  |
| 1,2,3,4,7,8-HxCDF   | 0.00E+00          | 2.50E-05         | 2.15E-05                | J (DNQ)                 | 0.1             | 2.15E-06                                    | ND  |
| 1,2,3,6,7,8-HxCDD   | 0.00E+00          | 2.50E-05         | 4.77E-05                | --                      | 0.1             | 4.77E-06                                    | 4.77E-06  |
| 1,2,3,6,7,8-HxCDF   | 0.00E+00          | 2.50E-05         | 1.97E-05                | J (DNQ)                 | 0.1             | 1.97E-06                                    | ND  |
| 1,2,3,7,8,9-HxCDD   | 0.00E+00          | 2.50E-05         | 4.33E-05                | --                      | 0.1             | 4.33E-06                                    | 4.33E-06  |
| 1,2,3,7,8,9-HxCDF   | 0.00E+00          | 2.50E-05         | 6.70E-06                | J (DNQ)                 | 0.1             | 6.70E-07                                    | ND  |
| 1,2,3,7,8-PeCDD     | 0.00E+00          | 2.50E-05         | 2.19E-05                | J (DNQ)                 | 1               | 2.19E-05                                    | ND  |
| 1,2,3,7,8-PeCDF     | 0.00E+00          | 2.50E-05         | 1.70E-05                | J (DNQ)                 | 0.05            | 8.50E-07                                    | ND  |
| 2,3,4,6,7,8-HxCDF   | 0.00E+00          | 2.50E-05         | 2.25E-05                | J (DNQ)                 | 0.1             | 2.25E-06                                    | ND  |
| 2,3,4,7,8-PeCDF     | 0.00E+00          | 2.50E-05         | 3.37E-05                | --                      | 0.5             | 1.69E-05                                    | 1.69E-05  |
| 2,3,7,8-TCDD        | 0.00E+00          | 5.00E-06         | 5.12E-06                | --                      | 1               | 5.12E-06                                    | 5.12E-06  |
| 2,3,7,8-TCDF        | 0.00E+00          | 5.00E-06         | 3.58E-05                | --                      | 0.1             | 3.58E-06                                    | 3.58E-06  |
| OCDD                | 0.00E+00          | 5.00E-05         | 4.84E-03                | --                      | 0.0001          | 4.84E-07                                    | 4.84E-07  |
| OCDF                | 0.00E+00          | 5.00E-05         | 3.31E-04                | --                      | 0.0001          | 3.31E-08                                    | 3.31E-08  |

|                                  |                 |                 |
|----------------------------------|-----------------|-----------------|
| <b>TCDD TEQ w/ DNQ Values</b>    | <b>7.48E-05</b> |                 |
| <b>TCDD TEQ w/out DNQ Values</b> |                 | <b>4.26E-05</b> |

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

**OUTFALL 002 (South Slope below R-2 Pond)**

**THIRD QUARTER 2007 MASS-BASED REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**July 1 through September 30, 2007**

| ANALYTE                               | UNITS   | Mass-Based<br>Permit Limit Daily<br>Max/Monthly Avg | 9/22/2007 |   |
|---------------------------------------|---------|---|-----------|---|
|                                       |         |   | Result    | CONCENTRATION<br>RESULT VALIDATION<br>QUALIFIER |
| Biochemical Oxygen Demand (BOD 5 day) | LBS/DAY | 40,032/26,700                                       | 39        | --  |
| Chloride                              | LBS/DAY | 200,160/-   | 8.6       | --  |
| Surfactants (MBAS)                    | LBS/DAY | 667/-   | 0.25      | --  |
| Fluoride                              | LBS/DAY | 2,135/-   | 0.97      | J (DNQ)   |
| Nitrate + Nitrite as Nitrogen (N)     | LBS/DAY | 10,700/-  | 7.8       | --  |
| Oil & Grease                          | LBS/DAY | 20,016/13,344                                       | 2.9       | J (DNQ)   |
| Perchlorate                           | LBS/DAY | 8/-   | ND        | U   |
| Sulfate                               | LBS/DAY | 400,320/-   | 21        | --  |
| Total Cyanide                         | LBS/DAY | 11.3/5.7  | 0.019     | --  |
| Total Dissolved Solids                | LBS/DAY | 1,270,000/-   | 1519      | --  |
| Total Residual Chlorine               | LBS/DAY | 133/-   | ND        | UJ (H)  |
| Total Suspended Solids                | LBS/DAY | 60,048/20,016                                       | 64275     | --  |
| <b>METALS</b>                         |         |   |           |   |
| Antimony                              | LBS/DAY | 8.01/-  | ND        | U   |
| Arsenic                               | LBS/DAY | 66.7/-  | 0.068     | --  |
| Barium                                | LBS/DAY | 1,330/-   | 4.48      | --  |
| Beryllium                             | LBS/DAY | 5.34/-  | 0.021     | --  |
| Cadmium                               | LBS/DAY | 5.34/2.7  | 0.013     | --  |
| Chromium                              | LBS/DAY | 21.8/10.8   | 0.19      | --  |
| Copper                                | LBS/DAY | 18.7/9.5  | 0.19      | --  |
| Iron                                  | LBS/DAY | 400/-   | 189       | --  |
| Lead                                  | LBS/DAY | 6.94/3.5  | 0.60      | --  |
| Manganese                             | LBS/DAY | 66.7/-  | 21        | --  |
| Mercury                               | LBS/DAY | 0.13/0.07   | 0.00008   | J (DNQ)   |
| Nickel                                | LBS/DAY | 128/47  | 0.21      | --  |
| Selenium                              | LBS/DAY | 10.9/5.5  | 0.008     | J (DNQ)   |
| Silver                                | LBS/DAY | 5.5/2.7   | ND        | U   |
| Thallium                              | LBS/DAY | 2.7/-   | 0.0037    | J (DNQ)   |
| Zinc                                  | LBS/DAY | 159/72  | 1.54      | --  |
| <b>ORGANICS</b>                       |         |   |           |   |
| 1,1-Dichloroethene                    | LBS/DAY | 8/4.3   | ND        | U   |
| Trichloroethene                       | LBS/DAY | 6.7/-   | ND        | U   |
| <b>ADDITIONAL ANALYTES</b>            |         |   |           |   |
| 2,4,6-Trichlorophenol                 | LBS/DAY | 17/8.7  | ND        | U   |
| 2,4-Dinitrotoluene                    | LBS/DAY | 24/12   | ND        | U   |
| alpha-BHC                             | LBS/DAY | 0.04/0.013  | ND        | UJ (S)  |
| bis (2-ethylhexyl) Phthalate          | LBS/DAY | 5.3/-   | ND        | U (B)   |
| n-Nitrosodimethylamine                | LBS/DAY | 21.8/10.8   | ND        | U   |
| Pentachlorophenol                     | LBS/DAY | 22/10.9   | ND        | U   |
| TCDD TEQ_NoDNQ                        | LBS/DAY | 3.7E-08/1.9E-08                                     | 8.31E-08  | *   |

## OUTFALL 004 (SRE)

### THIRD QUARTER 2007 REPORTING SUMMARY THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

July 1 through September 30, 2007

| ANALYTE                           | UNITS    | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 7/5/2007   |                         | 9/22/2007 |                         |
|-----------------------------------|----------|---|------------|-------------------------|-----------|-------------------------|
|                                   |          |   | RESULT     | VALIDATION<br>QUALIFIER | RESULT    | VALIDATION<br>QUALIFIER |
| Chloride                          | mg/L     | 150/-                                       | 58         | *                       | 53        | *                       |
| Calcium                           | mg/L     | -/-   | 27         | *                       | ANR       | ANR                     |
| Calcium, Dissolved                | mg/L     | -/-   | 29         | *                       | ANR       | ANR                     |
| Fluoride                          | mg/L     | 1.6/-                                       | 0.36       | J* (DNQ)                | ANR       | ANR                     |
| Nitrate + Nitrite as Nitrogen (N) | mg/L     | 10/-  | 0.76       | *                       | 3.2       | *                       |
| Oil & Grease                      | mg/L     | 15/-  | ND < 1.1   | *                       | ND < 1.1  | *                       |
| Perchlorate                       | ug/L     | 6.0/-                                       | ND < 0.65  | *                       | ND < 1.5  | U                       |
| pH (Field)                        | pH units | 6.5-8.5/-                                   | 7.3        | *                       | 8.4       | *                       |
| Sulfate                           | mg/L     | 250/-                                       | 62         | *                       | 37        | *                       |
| Temperature                       | deg. F   | 86/-  | 82         | *                       | 61        | *                       |
| Total Cyanide                     | ug/L     | -/-   | ND < 2.2   | *                       | ANR       | ANR                     |
| Total Dissolved Solids            | mg/L     | 850/-                                       | 310        | *                       | 360       | *                       |
| Hardness                          | mg/L     | -/-   | 120        | *                       | ANR       | ANR                     |
| Hardness, dissolved               | mg/L     | -/-   | 120        | *                       | ANR       | ANR                     |
| Total Suspended Solids            | mg/L     | -/-   | ND < 10    | *                       | 170       | --                      |
| Volume Discharged                 | MGD      | 17.8/-                                      | 0.16       | ANR                     | ANR       | ANR                     |
| <b>METALS</b>                     |          |   |            |                         |           |                         |
| Aluminum                          | ug/L     | -/-   | ND < 40    | *                       | ANR       | ANR                     |
| Aluminum, dissolved               | ug/L     | -/-   | ND < 40    | *                       | ANR       | ANR                     |
| Antimony                          | ug/L     | 6.0/-                                       | ND < 0.20  | *                       | 0.85      | J* (DNQ)                |
| Antimony, dissolved               | ug/L     | -/-   | 0.49       | J* (DNQ)                | 0.93      | J* (DNQ)                |
| Arsenic                           | ug/L     | -/-   | ND < 7.0   | *                       | ANR       | ANR                     |
| Arsenic, dissolved                | ug/L     | -/-   | ND < 7.0   | *                       | ANR       | ANR                     |
| Beryllium                         | ug/L     | -/-   | ND < 0.90  | *                       | ANR       | ANR                     |
| Beryllium, dissolved              | ug/L     | -/-   | ND < 0.90  | *                       | ANR       | ANR                     |
| Boron                             | mg/L     | -/-   | 0.18       | *                       | ANR       | ANR                     |
| Boron, dissolved                  | mg/L     | -/-   | 0.19       | *                       | ANR       | ANR                     |
| Cadmium                           | ug/L     | 4.0/-                                       | ND < 0.11  | *                       | 0.15      | J* (DNQ)                |
| Cadmium, dissolved                | ug/L     | -/-   | ND < 0.11  | *                       | ND < 0.11 | *                       |
| Chromium                          | ug/L     | -/-   | 5.9        | *                       | ANR       | ANR                     |
| Chromium, dissolved               | ug/L     | -/-   | ND < 2.0   | *                       | ANR       | ANR                     |
| Copper                            | ug/L     | 14.0/-                                      | 1.2        | J* (DNQ)                | 10        | *                       |
| Copper, dissolved                 | ug/L     | -/-   | 0.92       | J* (DNQ)                | 3.8       | *                       |
| Iron                              | mg/L     | -/-   | 0.041      | *                       | ANR       | ANR                     |
| Iron, dissolved                   | mg/L     | -/-   | ND < 0.015 | *                       | ANR       | ANR                     |
| Lead                              | ug/L     | 5.2/-                                       | 0.23       | J* (DNQ)                | 4.4       | *                       |
| Lead, dissolved                   | ug/L     | -/-   | ND < 0.10  | *                       | 0.25      | J* (DNQ)                |
| Magnesium                         | mg/L     | -/-   | 9.8        | *                       | ANR       | ANR                     |
| Magnesium, Dissolved              | mg/L     | -/-   | 11         | *                       | ANR       | ANR                     |
| Mercury                           | ug/L     | 0.13/-                                      | ND < 0.050 | U                       | 0.23      | --                      |
| Mercury, dissolved                | ug/L     | -/-   | ND < 0.050 | U                       | 0.055     | J (DNQ,R)               |
| Nickel                            | ug/L     | -/-   | 2.6        | B, J* (DNQ)             | ANR       | ANR                     |

**OUTFALL 004 (SRE)**

**THIRD QUARTER 2007 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**July 1 through September 30, 2007**

| ANALYTE                              | UNITS | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 7/5/2007  |                         | 9/22/2007 |                         |
|--------------------------------------|-------|---|-----------|-------------------------|-----------|-------------------------|
|                                      |       |   | RESULT    | VALIDATION<br>QUALIFIER | RESULT    | VALIDATION<br>QUALIFIER |
| Nickel, dissolved                    | ug/L  | -/-   | ND < 2.0  | *                       | ANR       | ANR                     |
| Selenium                             | ug/L  | -/-   | 8.1       | J* (DNQ)                | ANR       | ANR                     |
| Selenium, dissolved                  | ug/L  | -/-   | ND < 8.0  | *                       | ANR       | ANR                     |
| Silver                               | ug/L  | -/-   | ND < 6.0  | *                       | ANR       | ANR                     |
| Silver, dissolved                    | ug/L  | -/-   | ND < 6.0  | *                       | ANR       | ANR                     |
| Thallium                             | ug/L  | 2.0/-                                       | ND < 0.15 | *                       | ND < 0.15 | *                       |
| Thallium, dissolved                  | ug/L  | -/-   | ND < 0.15 | *                       | ND < 0.15 | *                       |
| Vanadium                             | ug/L  | -/-   | ND < 3.0  | *                       | ANR       | ANR                     |
| Vanadium, dissolved                  | ug/L  | -/-   | ND < 3.0  | *                       | ANR       | ANR                     |
| Zinc                                 | ug/L  | -/-   | ND < 4.0  | *                       | ANR       | ANR                     |
| Zinc, dissolved                      | ug/L  | -/-   | ND < 4.0  | *                       | ANR       | ANR                     |
| <b>ORGANICS</b>                      |       |   |           |                         |           |                         |
| Benzene                              | ug/L  | -/-   | ND < 0.28 | *                       | ANR       | ANR                     |
| Carbon Tetrachloride                 | ug/L  | -/-   | ND < 0.28 | *                       | ANR       | ANR                     |
| Chloroform                           | ug/L  | -/-   | ND < 0.33 | *                       | ANR       | ANR                     |
| 1,1-Dichloroethane                   | ug/L  | -/-   | ND < 0.27 | *                       | ANR       | ANR                     |
| 1,2-Dichloroethane                   | ug/L  | -/-   | ND < 0.28 | *                       | ANR       | ANR                     |
| 1,1-Dichloroethene                   | ug/L  | -/-   | ND < 0.42 | *                       | ANR       | ANR                     |
| Ethylbenzene                         | ug/L  | -/-   | ND < 0.25 | *                       | ANR       | ANR                     |
| Tetrachloroethene                    | ug/L  | -/-   | ND < 0.32 | *                       | ANR       | ANR                     |
| Toluene                              | ug/L  | -/-   | ND < 0.36 | *                       | ANR       | ANR                     |
| Xylenes (Total)                      | ug/L  | -/-   | ND < 0.90 | *                       | ANR       | ANR                     |
| 1,1,1-Trichloroethane                | ug/L  | -/-   | ND < 0.30 | *                       | ANR       | ANR                     |
| 1,1,2-Trichloroethane                | ug/L  | -/-   | ND < 0.30 | *                       | ANR       | ANR                     |
| Trichloroethene                      | ug/L  | -/-   | ND < 0.26 | *                       | ANR       | ANR                     |
| Trichlorofluoromethane               | ug/L  | -/-   | ND < 0.34 | *                       | ANR       | ANR                     |
| Trichlorotrifluoroethane (Freon 113) | ug/L  | -/-   | ND < 1.5  | *                       | ANR       | ANR                     |
| Vinyl chloride                       | ug/L  | -/-   | ND < 0.30 | *                       | ANR       | ANR                     |
| <b>ADDITIONAL ANALYTES</b>           |       |   |           |                         |           |                         |
| 2,4,5-Trichlorophenol                | ug/L  | -/-   | ND < 2.9  | *                       | ANR       | ANR                     |
| 1,1,2,2-Tetrachloroethane            | ug/L  | -/-   | ND < 0.24 | *                       | ANR       | ANR                     |
| 1,2,4-Trichlorobenzene               | ug/L  | -/-   | ND < 2.4  | *                       | ANR       | ANR                     |
| 1,2-Dichlorobenzene                  | ug/L  | -/-   | ND < 2.9  | *                       | ANR       | ANR                     |
| 1,2-Dichlorobenzene                  | ug/L  | -/-   | ND < 0.32 | *                       | ANR       | ANR                     |
| 1,2-Dichloropropane                  | ug/L  | -/-   | ND < 0.35 | *                       | ANR       | ANR                     |
| 1,2-Diphenylhydrazine/Azobenzene     | ug/L  | -/-   | ND < 1.9  | *                       | ANR       | ANR                     |
| 1,3-Dichlorobenzene                  | ug/L  | -/-   | ND < 0.35 | *                       | ANR       | ANR                     |
| 1,3-Dichlorobenzene                  | ug/L  | -/-   | ND < 2.9  | *                       | ANR       | ANR                     |
| 1,4-Dichlorobenzene                  | ug/L  | -/-   | ND < 2.4  | *                       | ANR       | ANR                     |
| 1,4-Dichlorobenzene                  | ug/L  | -/-   | ND < 0.37 | *                       | ANR       | ANR                     |
| 2,4,6-Trichlorophenol                | ug/L  | -/-   | ND < 2.9  | *                       | ANR       | ANR                     |
| 2,4-Dichlorophenol                   | ug/L  | -/-   | ND < 1.9  | *                       | ANR       | ANR                     |
| 2,4-Dimethylphenol                   | ug/L  | -/-   | ND < 3.4  | *                       | ANR       | ANR                     |

**OUTFALL 004 (SRE)**

**THIRD QUARTER 2007 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**July 1 through September 30, 2007**

| ANALYTE                    | UNITS      | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 7/5/2007   |                         | 9/22/2007 |                         |
|----------------------------|------------|---|------------|-------------------------|-----------|-------------------------|
|                            |            |   | RESULT     | VALIDATION<br>QUALIFIER | RESULT    | VALIDATION<br>QUALIFIER |
| 2,4-Dinitrophenol          | ug/L       | -/-   | ND < 4.3   | *                       | ANR       | ANR                     |
| 2,4-Dinitrotoluene         | ug/L       | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| 2,6-Dinitrotoluene         | ug/L       | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| 2-Chloroethylvinylether    | ug/L       | -/-   | ND < 1.8   | *                       | ANR       | ANR                     |
| 2-Chloronaphthalene        | ug/L       | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| 2-Chlorophenol             | ug/L       | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| 2-Methyl-4,6-dinitrophenol | ug/L       | -/-   | ND < 3.8   | *                       | ANR       | ANR                     |
| 2-Methylnaphthalene        | ug/L       | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| 2-Methylphenol             | ug/L       | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| 2-Nitrophenol              | ug/L       | -/-   | ND < 3.4   | *                       | ANR       | ANR                     |
| 3,3'-Dichlorobenzidine     | ug/L       | -/-   | ND < 2.9   | *                       | ANR       | ANR                     |
| 4,4'-DDD                   | ug/L       | -/-   | ND < 0.030 | *                       | ANR       | ANR                     |
| 4,4'-DDE                   | ug/L       | -/-   | ND < 0.030 | *                       | ANR       | ANR                     |
| 4,4'-DDT                   | ug/L       | -/-   | ND < 0.030 | *                       | ANR       | ANR                     |
| 4-Bromophenylphenylether   | ug/L       | -/-   | ND < 2.4   | *                       | ANR       | ANR                     |
| 4-Chloro-3-methylphenol    | ug/L       | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| 4-Chloroaniline            | ug/L       | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| 4-Chlorophenylphenylether  | ug/L       | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| 4-Nitrophenol              | ug/L       | -/-   | ND < 5.3   | *                       | ANR       | ANR                     |
| Acenaphthene               | ug/L       | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| Acenaphthylene             | ug/L       | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| Acrolein                   | ug/L       | -/-   | ND < 4.0   | *                       | ANR       | ANR                     |
| Acrylonitrile              | ug/L       | -/-   | ND < 0.70  | *                       | ANR       | ANR                     |
| Acute Toxicity             | % SURVIVAL | 70-100/-                                    | 100        | *                       | ANR       | ANR                     |
| Aldrin                     | ug/L       | -/-   | ND < 0.030 | *                       | ANR       | ANR                     |
| alpha-BHC                  | ug/L       | -/-   | ND < 0.020 | *                       | ANR       | ANR                     |
| Aniline                    | ug/L       | -/-   | ND < 2.4   | *                       | ANR       | ANR                     |
| Anthracene                 | ug/L       | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| Aroclor-1016               | ug/L       | -/-   | ND < 0.35  | *                       | ANR       | ANR                     |
| Aroclor-1221               | ug/L       | -/-   | ND < 0.10  | *                       | ANR       | ANR                     |
| Aroclor-1232               | ug/L       | -/-   | ND < 0.25  | *                       | ANR       | ANR                     |
| Aroclor-1242               | ug/L       | -/-   | ND < 0.25  | *                       | ANR       | ANR                     |
| Aroclor-1248               | ug/L       | -/-   | ND < 0.25  | *                       | ANR       | ANR                     |
| Aroclor-1254               | ug/L       | -/-   | ND < 0.25  | *                       | ANR       | ANR                     |
| Aroclor-1260               | ug/L       | -/-   | ND < 0.30  | *                       | ANR       | ANR                     |
| Benzidine                  | ug/L       | -/-   | ND < 8.2   | *                       | ANR       | ANR                     |
| Benzo(a)anthracene         | ug/L       | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| Benzo(a)pyrene             | ug/L       | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| Benzo(b)fluoranthene       | ug/L       | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| Benzo(g,h,i)perylene       | ug/L       | -/-   | ND < 2.9   | *                       | ANR       | ANR                     |
| Benzo(k)fluoranthene       | ug/L       | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| Benzoic acid               | ug/L       | -/-   | ND < 8.2   | *                       | ANR       | ANR                     |
| Benzyl alcohol             | ug/L       | -/-   | ND < 2.4   | *                       | ANR       | ANR                     |

**OUTFALL 004 (SRE)**

**THIRD QUARTER 2007 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**July 1 through September 30, 2007**

| ANALYTE                      | UNITS | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 7/5/2007   |                         | 9/22/2007 |                         |
|------------------------------|-------|---|------------|-------------------------|-----------|-------------------------|
|                              |       |   | RESULT     | VALIDATION<br>QUALIFIER | RESULT    | VALIDATION<br>QUALIFIER |
| beta-BHC                     | ug/L  | -/-   | ND < 0.040 | *                       | ANR       | ANR                     |
| bis (2-Chloroethyl) ether    | ug/L  | -/-   | ND < 2.4   | *                       | ANR       | ANR                     |
| bis (2-ethylhexyl) Phthalate | ug/L  | -/-   | ND < 3.8   | *                       | ANR       | ANR                     |
| bis(2-Chloroethoxy) methane  | ug/L  | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| bis(2-Chloroisopropyl) ether | ug/L  | -/-   | ND < 2.4   | *                       | ANR       | ANR                     |
| Bromodichloromethane         | ug/L  | -/-   | ND < 0.30  | *                       | ANR       | ANR                     |
| Bromoform                    | ug/L  | -/-   | 3.1        | J* (DNQ)                | ANR       | ANR                     |
| Bromomethane                 | ug/L  | -/-   | ND < 0.42  | *                       | ANR       | ANR                     |
| Butylbenzylphthalate         | ug/L  | -/-   | ND < 3.8   | *                       | ANR       | ANR                     |
| Chlordane                    | ug/L  | -/-   | ND < 0.20  | *                       | ANR       | ANR                     |
| Chlorobenzene                | ug/L  | -/-   | ND < 0.36  | *                       | ANR       | ANR                     |
| Chloroethane                 | ug/L  | -/-   | ND < 0.40  | *                       | ANR       | ANR                     |
| Chloromethane                | ug/L  | -/-   | ND < 0.40  | *                       | ANR       | ANR                     |
| Chrysene                     | ug/L  | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| cis-1,3-Dichloropropene      | ug/L  | -/-   | ND < 0.22  | *                       | ANR       | ANR                     |
| delta-BHC                    | ug/L  | -/-   | ND < 0.020 | *                       | ANR       | ANR                     |
| Dibenzo(a,h)anthracene       | ug/L  | -/-   | ND < 2.9   | *                       | ANR       | ANR                     |
| Dibenzofuran                 | ug/L  | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| Dibromochloromethane         | ug/L  | -/-   | 2.8        | *                       | ANR       | ANR                     |
| Dieldrin                     | ug/L  | -/-   | ND < 0.030 | *                       | ANR       | ANR                     |
| Diethylphthalate             | ug/L  | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| Dimethylphthalate            | ug/L  | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| Di-n-butylphthalate          | ug/L  | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| Di-n-octylphthalate          | ug/L  | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| Endosulfan I                 | ug/L  | -/-   | ND < 0.030 | *                       | ANR       | ANR                     |
| Endosulfan II                | ug/L  | -/-   | ND < 0.040 | *                       | ANR       | ANR                     |
| Endosulfan sulfate           | ug/L  | -/-   | ND < 0.050 | *                       | ANR       | ANR                     |
| Endrin                       | ug/L  | -/-   | ND < 0.030 | *                       | ANR       | ANR                     |
| Endrin aldehyde              | ug/L  | -/-   | ND < 0.050 | *                       | ANR       | ANR                     |
| Endrin ketone                | ug/L  | -/-   | ND < 0.040 | *                       | ANR       | ANR                     |
| Fluoranthene                 | ug/L  | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| Fluorene                     | ug/L  | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| Heptachlor                   | ug/L  | -/-   | ND < 0.030 | *                       | ANR       | ANR                     |
| Heptachlor epoxide           | ug/L  | -/-   | ND < 0.030 | *                       | ANR       | ANR                     |
| Hexachlorobenzene            | ug/L  | -/-   | ND < 2.4   | *                       | ANR       | ANR                     |
| Hexachlorobutadiene          | ug/L  | -/-   | ND < 3.4   | *                       | ANR       | ANR                     |
| Hexachlorocyclopentadiene    | ug/L  | -/-   | ND < 4.8   | *                       | ANR       | ANR                     |
| Hexachloroethane             | ug/L  | -/-   | ND < 2.9   | *                       | ANR       | ANR                     |
| Indeno(1,2,3-cd)pyrene       | ug/L  | -/-   | ND < 2.9   | *                       | ANR       | ANR                     |
| Isophorone                   | ug/L  | -/-   | ND < 1.9   | *                       | ANR       | ANR                     |
| Lindane (gamma-BHC)          | ug/L  | -/-   | ND < 0.030 | *                       | ANR       | ANR                     |
| Methoxychlor                 | ug/L  | -/-   | ND < 0.040 | *                       | ANR       | ANR                     |
| Methylene Chloride           | ug/L  | -/-   | ND < 0.95  | *                       | ANR       | ANR                     |

**OUTFALL 004 (SRE)**

**THIRD QUARTER 2007 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**July 1 through September 30, 2007**

| ANALYTE                    | UNITS | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 7/5/2007  |                         | 9/22/2007 |                         |
|----------------------------|-------|---|-----------|-------------------------|-----------|-------------------------|
|                            |       |   | RESULT    | VALIDATION<br>QUALIFIER | RESULT    | VALIDATION<br>QUALIFIER |
| m-Nitroaniline             | ug/L  | -/-   | ND < 1.9  | *                       | ANR       | ANR                     |
| Naphthalene                | ug/L  | -/-   | ND < 2.4  | *                       | ANR       | ANR                     |
| Nitrobenzene               | ug/L  | -/-   | ND < 2.4  | *                       | ANR       | ANR                     |
| n-Nitrosodimethylamine     | ug/L  | -/-   | ND < 2.4  | *                       | ANR       | ANR                     |
| n-Nitroso-di-n-propylamine | ug/L  | -/-   | ND < 2.4  | *                       | ANR       | ANR                     |
| n-Nitrosodiphenylamine     | ug/L  | -/-   | ND < 1.9  | *                       | ANR       | ANR                     |
| o-Nitroaniline             | ug/L  | -/-   | ND < 1.9  | *                       | ANR       | ANR                     |
| p-Cresol                   | ug/L  | -/-   | ND < 1.9  | *                       | ANR       | ANR                     |
| Pentachlorophenol          | ug/L  | -/-   | ND < 3.4  | *                       | ANR       | ANR                     |
| Phenanthrene               | ug/L  | -/-   | ND < 1.9  | *                       | ANR       | ANR                     |
| Phenol                     | ug/L  | -/-   | ND < 1.9  | *                       | ANR       | ANR                     |
| p-Nitroaniline             | ug/L  | -/-   | ND < 2.4  | *                       | ANR       | ANR                     |
| Pyrene                     | ug/L  | -/-   | ND < 1.9  | *                       | ANR       | ANR                     |
| Toxaphene                  | ug/L  | -/-   | ND < 1.5  | *                       | ANR       | ANR                     |
| trans-1,2-Dichloroethene   | ug/L  | -/-   | ND < 0.27 | *                       | ANR       | ANR                     |
| trans-1,3-Dichloropropene  | ug/L  | -/-   | ND < 0.32 | *                       | ANR       | ANR                     |



**OUTFALL 004 (SRE)**

**THIRD QUARTER 2007 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Date July 5, 2007**

| <b>ANALYTE</b>      | <b>LAB LOD<br/>(ug/L)</b> | <b>LAB RL<br/>(ug/L)</b> | <b>LAB<br/>RESULT<br/>(ug/L)</b> | <b>VALIDATION<br/>QUALIFIER</b> | <b>1998<br/>WHO TEF</b> | <b>TCDD Equivalent<br/>(w/DNQ Values)<br/>(ug/L)</b> | <b>TCDD Equivalent<br/>(w/out DNQ Values)<br/>(ug/L)</b> |
|---------------------|---------------------------|--------------------------|----------------------------------|---------------------------------|-------------------------|--|--|
| 1,2,3,4,6,7,8-HpCDD | 0.00E+00                  | 2.50E-05                 | 1.63E-05                         | J (DNQ)                         | 0.01                    | 1.63E-07   | ND   |
| 1,2,3,4,6,7,8-HpCDF | 0.00E+00                  | 2.50E-05                 | 2.36E-06                         | J (DNQ)                         | 0.01                    | 2.36E-08   | ND   |
| 1,2,3,4,7,8,9-HpCDF | 7.96E-07                  | 2.50E-05                 | ND                               | U                               | 0.01                    | ND   | ND   |
| 1,2,3,4,7,8-HxCDD   | 1.68E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                     | ND   | ND   |
| 1,2,3,4,7,8-HxCDF   | 3.42E-07                  | 2.50E-05                 | ND                               | U                               | 0.1                     | ND   | ND   |
| 1,2,3,6,7,8-HxCDD   | 7.86E-07                  | 2.50E-05                 | ND                               | U                               | 0.1                     | ND   | ND   |
| 1,2,3,6,7,8-HxCDF   | 3.78E-07                  | 2.50E-05                 | ND                               | U                               | 0.1                     | ND   | ND   |
| 1,2,3,7,8,9-HxCDD   | 7.48E-07                  | 2.50E-05                 | ND                               | U                               | 0.1                     | ND   | ND   |
| 1,2,3,7,8,9-HxCDF   | 5.74E-07                  | 2.50E-05                 | ND                               | U                               | 0.1                     | ND   | ND   |
| 1,2,3,7,8-PeCDD     | 6.39E-07                  | 2.50E-05                 | ND                               | U                               | 1                       | ND   | ND   |
| 1,2,3,7,8-PeCDF     | 5.06E-07                  | 2.50E-05                 | ND                               | U                               | 0.05                    | ND   | ND   |
| 2,3,4,6,7,8-HxCDF   | 4.08E-07                  | 2.50E-05                 | ND                               | U                               | 0.1                     | ND   | ND   |
| 2,3,4,7,8-PeCDF     | 4.86E-07                  | 2.50E-05                 | ND                               | U                               | 0.5                     | ND   | ND   |
| 2,3,7,8-TCDD        | 5.56E-07                  | 5.00E-06                 | ND                               | U                               | 1                       | ND   | ND   |
| 2,3,7,8-TCDF        | 6.46E-07                  | 5.00E-06                 | ND                               | U                               | 0.1                     | ND   | ND   |
| OCDD                | 0.00E+00                  | 5.00E-05                 | 2.57E-04                         | --                              | 0.0001                  | 2.57E-08   | 2.57E-08   |
| OCDF                | 0.00E+00                  | 5.00E-05                 | 6.33E-06                         | J (DNQ)                         | 0.0001                  | 6.33E-10   | ND   |

|                                  |                 |                 |
|----------------------------------|-----------------|-----------------|
| <b>TCDD TEQ w/ DNQ Values</b>    | <b>2.13E-07</b> |                 |
| <b>TCDD TEQ w/out DNQ Values</b> |                 | <b>2.57E-08</b> |

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

**OUTFALL 004 (SRE)**

**THIRD QUARTER 2007 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Date September 22, 2007**

| <b>ANALYTE</b>      | <b>LAB LOD<br/>(ug/L)</b> | <b>LAB RL<br/>(ug/L)</b> | <b>LAB<br/>RESULT<br/>(ug/L)</b> | <b>VALIDATION<br/>QUALIFIER</b> | <b>1998<br/>WHO<br/>TEF</b> | <b>TCDD Equivalent<br/>(w/DNQ Values)<br/>(ug/L)</b> | <b>TCDD Equivalent<br/>(w/out DNQ Values)<br/>(ug/L)</b> |
|---------------------|---------------------------|--------------------------|----------------------------------|---------------------------------|-----------------------------|--|--|
| 1,2,3,4,6,7,8-HpCDD | 0.00E+00                  | 2.50E-05                 | 1.86E-04                         | --                              | 0.01                        | 1.86E-06   | 1.86E-06   |
| 1,2,3,4,6,7,8-HpCDF | 0.00E+00                  | 2.50E-05                 | 3.32E-05                         | --                              | 0.01                        | 3.32E-07   | 3.32E-07   |
| 1,2,3,4,7,8,9-HpCDF | 6.98E-06                  | 2.50E-05                 | ND                               | U                               | 0.01                        | ND   | ND   |
| 1,2,3,4,7,8-HxCDD   | 0.00E+00                  | 2.50E-05                 | 2.23E-06                         | J (DNQ)                         | 0.1                         | 2.23E-07   | ND   |
| 1,2,3,4,7,8-HxCDF   | 3.58E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,6,7,8-HxCDD   | 0.00E+00                  | 2.50E-05                 | 6.53E-06                         | J (DNQ)                         | 0.1                         | 6.53E-07   | ND   |
| 1,2,3,6,7,8-HxCDF   | 3.71E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,7,8,9-HxCDD   | 0.00E+00                  | 2.50E-05                 | 2.26E-06                         | J (DNQ)                         | 0.1                         | 2.26E-07   | ND   |
| 1,2,3,7,8,9-HxCDF   | 4.99E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,7,8-PeCDD     | 1.90E-06                  | 2.50E-05                 | ND                               | U                               | 1                           | ND   | ND   |
| 1,2,3,7,8-PeCDF     | 1.90E-06                  | 2.50E-05                 | ND                               | U                               | 0.05                        | ND   | ND   |
| 2,3,4,6,7,8-HxCDF   | 3.95E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 2,3,4,7,8-PeCDF     | 1.74E-06                  | 2.50E-05                 | ND                               | U                               | 0.5                         | ND   | ND   |
| 2,3,7,8-TCDD        | 1.18E-06                  | 5.00E-06                 | ND                               | U                               | 1                           | ND   | ND   |
| 2,3,7,8-TCDF        | 1.64E-06                  | 5.00E-06                 | ND                               | U                               | 0.1                         | ND   | ND   |
| OCDD                | 0.00E+00                  | 5.00E-05                 | 3.36E-03                         | --                              | 0.0001                      | 3.36E-07   | 3.36E-07   |
| OCDF                | 0.00E+00                  | 5.00E-05                 | 7.74E-05                         | --                              | 0.0001                      | 7.74E-09   | 7.74E-09   |

|                                  |                 |                 |
|----------------------------------|-----------------|-----------------|
| <b>TCDD TEQ w/ DNQ Values</b>    | <b>3.64E-06</b> |                 |
| <b>TCDD TEQ w/out DNQ Values</b> |                 | <b>2.54E-06</b> |

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

**OUTFALL 004 (SRE)**

**THIRD QUARTER 2007 MASS-BASED REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

July 1 through July 31, 2007

| ANALYTE                           | UNITS   | Mass-Based Permit<br>Limit Daily<br>Max/Monthly Avg | 7/5/2007 |   |
|-----------------------------------|---------|---|----------|---|
|                                   |         |   | Result   | CONCENTRATION<br>RESULT VALIDATION<br>QUALIFIER |
| Chloride                          | LBS/DAY | 22,268/-  | 77       | *   |
| Fluoride                          | LBS/DAY | 238/-   | 0.48     | J* (DNQ)  |
| Nitrate + Nitrite as Nitrogen (N) | LBS/DAY | 1,485/-   | 1.0      | *   |
| Oil & Grease                      | LBS/DAY | 2,227/-   | ND       | *   |
| Perchlorate                       | LBS/DAY | 0.89/-  | ND       | *   |
| Sulfate                           | LBS/DAY | 37,113/-  | 83       | *   |
| Total Dissolved Solids            | LBS/DAY | 126,184/-   | 414      | *   |
| <b>METALS</b>                     |         |   |          |   |
| Antimony                          | LBS/DAY | 0.89/-  | ND       | *   |
| Boron                             | LBS/DAY | 148/-   | 0.24     | *   |
| Cadmium                           | LBS/DAY | 0.59/-  | ND       | *   |
| Copper                            | LBS/DAY | 2.08/-  | 0.0016   | J* (DNQ)  |
| Lead                              | LBS/DAY | 0.77/-  | 0.0003   | J* (DNQ)  |
| Mercury                           | LBS/DAY | 0.02/-  | ND       | U   |
| Thallium                          | LBS/DAY | 0.3/-   | ND       | *   |
| <b>ADDITIONAL ANALYTES</b>        |         |   |          |   |
| TCDD TEQ_NoDNQ                    | LBS/DAY | 4.2E-09/-   | 3.43E-11 | --  |

## OUTFALL 006 (FSDF-2)

### THIRD QUARTER 2007 REPORTING SUMMARY THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

July 1 through September 30, 2007

| ANALYTE                           | UNITS    | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 9/22/2007  |                         |
|-----------------------------------|----------|---|------------|-------------------------|
|                                   |          |   | RESULT     | VALIDATION<br>QUALIFIER |
| Chloride                          | mg/L     | 150/-                                       | 62         | *                       |
| Fluoride                          | mg/L     | 1.6/-                                       | ANR        | ANR                     |
| Nitrate + Nitrite as Nitrogen (N) | mg/L     | 10/-  | 2.5        | *                       |
| Oil & Grease                      | mg/L     | 15/-  | ND < 1.1   | *                       |
| Perchlorate                       | ug/L     | 6.0/-                                       | ND < 1.5   | U                       |
| pH (Field)                        | pH units | 6.5-8.5/-                                   | 7.0        | *                       |
| Sulfate                           | mg/L     | 250/-                                       | 23         | *                       |
| Temperature                       | deg. F   | 86/-  | 64         | *                       |
| Total Cyanide                     | ug/L     | -/-   | ANR        | ANR                     |
| Total Dissolved Solids            | mg/L     | 850/-                                       | 320        | *                       |
| Total Suspended Solids            | mg/L     | -/-   | 26         | --                      |
| Volume Discharged                 | MGD      | 17.8/-                                      | 0.003      | ANR                     |
| <b>METALS</b>                     |          |   |            |                         |
| Aluminum                          | ug/L     | -/-   | ANR        | ANR                     |
| Antimony                          | ug/L     | 6.0/-                                       | 0.60       | J* (DNQ)                |
| Antimony, dissolved               | ug/L     | -/-   | 0.59       | J* (DNQ)                |
| Arsenic                           | ug/L     | -/-   | ANR        | ANR                     |
| Beryllium                         | ug/L     | -/-   | ANR        | ANR                     |
| Cadmium                           | ug/L     | 4.0/-                                       | 0.27       | J* (DNQ)                |
| Cadmium, dissolved                | ug/L     | -/-   | 0.18       | J* (DNQ)                |
| Chromium                          | ug/L     | -/-   | ANR        | ANR                     |
| Copper                            | ug/L     | 14.0/-                                      | 5.9        | *                       |
| Copper, dissolved                 | ug/L     | -/-   | 4.3        | *                       |
| Lead                              | ug/L     | 5.2/-                                       | 1.3        | *                       |
| Lead, dissolved                   | ug/L     | -/-   | 0.13       | J* (DNQ)                |
| Mercury                           | ug/L     | 0.13/-                                      | 0.027      | J (DNQ,R)               |
| Mercury, dissolved                | ug/L     | -/-   | ND < 0.025 | UJ (R)                  |
| Nickel                            | ug/L     | -/-   | ANR        | ANR                     |
| Selenium                          | ug/L     | -/-   | ANR        | ANR                     |
| Silver                            | ug/L     | -/-   | ANR        | ANR                     |
| Thallium                          | ug/L     | 2.0/-                                       | ND < 0.15  | *                       |
| Thallium, dissolved               | ug/L     | -/-   | ND < 0.15  | *                       |
| Vanadium                          | ug/L     | -/-   | ANR        | ANR                     |
| Zinc                              | ug/L     | -/-   | ANR        | ANR                     |
| <b>ORGANICS</b>                   |          |   |            |                         |
| Benzene                           | ug/L     | -/-   | ANR        | ANR                     |
| Carbon Tetrachloride              | ug/L     | -/-   | ANR        | ANR                     |

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

## OUTFALL 006 (FSDF-2)

### THIRD QUARTER 2007 REPORTING SUMMARY THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

July 1 through September 30, 2007

| ANALYTE                          | UNITS | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 9/22/2007 |                         |
|----------------------------------|-------|---|-----------|-------------------------|
|                                  |       |   | RESULT    | VALIDATION<br>QUALIFIER |
| Chloroform                       | ug/L  | -/-   | ANR       | ANR                     |
| 1,1-Dichloroethane               | ug/L  | -/-   | ANR       | ANR                     |
| 1,2-Dichloroethane               | ug/L  | -/-   | ANR       | ANR                     |
| 1,1-Dichloroethene               | ug/L  | -/-   | ANR       | ANR                     |
| Ethylbenzene                     | ug/L  | -/-   | ANR       | ANR                     |
| Tetrachloroethene                | ug/L  | -/-   | ANR       | ANR                     |
| Toluene                          | ug/L  | -/-   | ANR       | ANR                     |
| Xylenes (Total)                  | ug/L  | -/-   | ANR       | ANR                     |
| 1,1,1-Trichloroethane            | ug/L  | -/-   | ANR       | ANR                     |
| 1,1,2-Trichloroethane            | ug/L  | -/-   | ANR       | ANR                     |
| Trichloroethene                  | ug/L  | -/-   | ANR       | ANR                     |
| Trichlorofluoromethane           | ug/L  | -/-   | ANR       | ANR                     |
| Vinyl chloride                   | ug/L  | -/-   | ANR       | ANR                     |
| <b>ADDITIONAL ANALYTES</b>       |       |   |           |                         |
| 1,1,2,2-Tetrachloroethane        | ug/L  | -/-   | ANR       | ANR                     |
| 1,2,4-Trichlorobenzene           | ug/L  | -/-   | ANR       | ANR                     |
| 1,2-Dichlorobenzene              | ug/L  | -/-   | ANR       | ANR                     |
| 1,2-Dichloropropane              | ug/L  | -/-   | ANR       | ANR                     |
| 1,2-Diphenylhydrazine/Azobenzene | ug/L  | -/-   | ANR       | ANR                     |
| 1,3-Dichlorobenzene              | ug/L  | -/-   | ANR       | ANR                     |
| 1,4-Dichlorobenzene              | ug/L  | -/-   | ANR       | ANR                     |
| 2,4,6-Trichlorophenol            | ug/L  | -/-   | ANR       | ANR                     |
| 2,4-Dichlorophenol               | ug/L  | -/-   | ANR       | ANR                     |
| 2,4-Dimethylphenol               | ug/L  | -/-   | ANR       | ANR                     |
| 2,4-Dinitrophenol                | ug/L  | -/-   | ANR       | ANR                     |
| 2,4-Dinitrotoluene               | ug/L  | -/-   | ANR       | ANR                     |
| 2,6-Dinitrotoluene               | ug/L  | -/-   | ANR       | ANR                     |
| 2-Chloroethylvinylether          | ug/L  | -/-   | ANR       | ANR                     |
| 2-Chloronaphthalene              | ug/L  | -/-   | ANR       | ANR                     |
| 2-Chlorophenol                   | ug/L  | -/-   | ANR       | ANR                     |
| 2-Methyl-4,6-dinitrophenol       | ug/L  | -/-   | ANR       | ANR                     |
| 2-Nitrophenol                    | ug/L  | -/-   | ANR       | ANR                     |
| 3,3'-Dichlorobenzidine           | ug/L  | -/-   | ANR       | ANR                     |
| 4,4'-DDD                         | ug/L  | -/-   | ANR       | ANR                     |
| 4,4'-DDE                         | ug/L  | -/-   | ANR       | ANR                     |
| 4,4'-DDT                         | ug/L  | -/-   | ANR       | ANR                     |
| 4-Bromophenylphenylether         | ug/L  | -/-   | ANR       | ANR                     |
| 4-Chloro-3-methylphenol          | ug/L  | -/-   | ANR       | ANR                     |

## OUTFALL 006 (FSDF-2)

### THIRD QUARTER 2007 REPORTING SUMMARY THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

July 1 through September 30, 2007

| ANALYTE                      | UNITS      | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 9/22/2007 |                         |
|------------------------------|------------|---|-----------|-------------------------|
|                              |            |   | RESULT    | VALIDATION<br>QUALIFIER |
| 4-Chlorophenylphenylether    | ug/L       | -/-   | ANR       | ANR                     |
| 4-Nitrophenol                | ug/L       | -/-   | ANR       | ANR                     |
| Acenaphthene                 | ug/L       | -/-   | ANR       | ANR                     |
| Acrolein                     | ug/L       | -/-   | ANR       | ANR                     |
| Acrylonitrile                | ug/L       | -/-   | ANR       | ANR                     |
| Acute Toxicity               | % SURVIVAL | 70-100/-                                    | ANR       | ANR                     |
| Aldrin                       | ug/L       | -/-   | ANR       | ANR                     |
| alpha-BHC                    | ug/L       | -/-   | ANR       | ANR                     |
| Anthracene                   | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1016                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1221                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1232                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1242                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1248                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1254                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1260                 | ug/L       | -/-   | ANR       | ANR                     |
| Benzidine                    | ug/L       | -/-   | ANR       | ANR                     |
| Benzo(a)anthracene           | ug/L       | -/-   | ANR       | ANR                     |
| Benzo(a)pyrene               | ug/L       | -/-   | ANR       | ANR                     |
| Benzo(b)fluoranthene         | ug/L       | -/-   | ANR       | ANR                     |
| Benzo(g,h,i)perylene         | ug/L       | -/-   | ANR       | ANR                     |
| Benzo(k)fluoranthene         | ug/L       | -/-   | ANR       | ANR                     |
| beta-BHC                     | ug/L       | -/-   | ANR       | ANR                     |
| bis (2-Chloroethyl) ether    | ug/L       | -/-   | ANR       | ANR                     |
| bis (2-ethylhexyl) Phthalate | ug/L       | -/-   | ANR       | ANR                     |
| bis(2-Chloroethoxy) methane  | ug/L       | -/-   | ANR       | ANR                     |
| bis(2-Chloroisopropyl) ether | ug/L       | -/-   | ANR       | ANR                     |
| Bromodichloromethane         | ug/L       | -/-   | ANR       | ANR                     |
| Bromoform                    | ug/L       | -/-   | ANR       | ANR                     |
| Bromomethane                 | ug/L       | -/-   | ANR       | ANR                     |
| Butylbenzylphthalate         | ug/L       | -/-   | ANR       | ANR                     |
| Chlordane                    | ug/L       | -/-   | ANR       | ANR                     |
| Chlorobenzene                | ug/L       | -/-   | ANR       | ANR                     |
| Chloroethane                 | ug/L       | -/-   | ANR       | ANR                     |
| Chloromethane                | ug/L       | -/-   | ANR       | ANR                     |
| Chrysene                     | ug/L       | -/-   | ANR       | ANR                     |
| cis-1,3-Dichloropropene      | ug/L       | -/-   | ANR       | ANR                     |
| delta-BHC                    | ug/L       | -/-   | ANR       | ANR                     |

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

**OUTFALL 006 (FSDF-2)**

**THIRD QUARTER 2007 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**July 1 through September 30, 2007**

| ANALYTE                    | UNITS | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 9/22/2007 |                         |
|----------------------------|-------|---|-----------|-------------------------|
|                            |       |   | RESULT    | VALIDATION<br>QUALIFIER |
| Dibenzo(a,h)anthracene     | ug/L  | -/-   | ANR       | ANR                     |
| Dibromochloromethane       | ug/L  | -/-   | ANR       | ANR                     |
| Dieldrin                   | ug/L  | -/-   | ANR       | ANR                     |
| Diethylphthalate           | ug/L  | -/-   | ANR       | ANR                     |
| Dimethylphthalate          | ug/L  | -/-   | ANR       | ANR                     |
| Di-n-butylphthalate        | ug/L  | -/-   | ANR       | ANR                     |
| Di-n-octylphthalate        | ug/L  | -/-   | ANR       | ANR                     |
| Endosulfan I               | ug/L  | -/-   | ANR       | ANR                     |
| Endosulfan II              | ug/L  | -/-   | ANR       | ANR                     |
| Endosulfan sulfate         | ug/L  | -/-   | ANR       | ANR                     |
| Endrin                     | ug/L  | -/-   | ANR       | ANR                     |
| Endrin aldehyde            | ug/L  | -/-   | ANR       | ANR                     |
| Fluoranthene               | ug/L  | -/-   | ANR       | ANR                     |
| Fluorene                   | ug/L  | -/-   | ANR       | ANR                     |
| Heptachlor                 | ug/L  | -/-   | ANR       | ANR                     |
| Heptachlor epoxide         | ug/L  | -/-   | ANR       | ANR                     |
| Hexachlorobenzene          | ug/L  | -/-   | ANR       | ANR                     |
| Hexachlorobutadiene        | ug/L  | -/-   | ANR       | ANR                     |
| Hexachlorocyclopentadiene  | ug/L  | -/-   | ANR       | ANR                     |
| Hexachloroethane           | ug/L  | -/-   | ANR       | ANR                     |
| Indeno(1,2,3-cd)pyrene     | ug/L  | -/-   | ANR       | ANR                     |
| Isophorone                 | ug/L  | -/-   | ANR       | ANR                     |
| Lindane (gamma-BHC)        | ug/L  | -/-   | ANR       | ANR                     |
| Methylene Chloride         | ug/L  | -/-   | ANR       | ANR                     |
| Naphthalene                | ug/L  | -/-   | ANR       | ANR                     |
| Nitrobenzene               | ug/L  | -/-   | ANR       | ANR                     |
| n-Nitrosodimethylamine     | ug/L  | -/-   | ANR       | ANR                     |
| n-Nitroso-di-n-propylamine | ug/L  | -/-   | ANR       | ANR                     |
| n-Nitrosodiphenylamine     | ug/L  | -/-   | ANR       | ANR                     |
| Pentachlorophenol          | ug/L  | -/-   | ANR       | ANR                     |
| Phenanthrene               | ug/L  | -/-   | ANR       | ANR                     |
| Phenol                     | ug/L  | -/-   | ANR       | ANR                     |
| Pyrene                     | ug/L  | -/-   | ANR       | ANR                     |
| Toxaphene                  | ug/L  | -/-   | ANR       | ANR                     |
| trans-1,2-Dichloroethene   | ug/L  | -/-   | ANR       | ANR                     |
| trans-1,3-Dichloropropene  | ug/L  | -/-   | ANR       | ANR                     |

**OUTFALL 006 (FSDF-2)**

**THIRD QUARTER 2007 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Date September 22, 2007**

| <b>ANALYTE</b>      | <b>LAB LOD<br/>(ug/L)</b> | <b>LAB RL<br/>(ug/L)</b> | <b>LAB<br/>RESULT<br/>(ug/L)</b> | <b>VALIDATION<br/>QUALIFIER</b> | <b>1998<br/>WHO<br/>TEF</b> | <b>TCDD Equivalent<br/>(w/DNQ Values)<br/>(ug/L)</b> | <b>TCDD Equivalent<br/>(w/out DNQ Values)<br/>(ug/L)</b> |
|---------------------|---------------------------|--------------------------|----------------------------------|---------------------------------|-----------------------------|--|--|
| 1,2,3,4,6,7,8-HpCDD | 3.82E-06                  | 2.50E-05                 | ND                               | U                               | 0.01                        | ND   | ND   |
| 1,2,3,4,6,7,8-HpCDF | 3.47E-06                  | 2.50E-05                 | ND                               | U                               | 0.01                        | ND   | ND   |
| 1,2,3,4,7,8,9-HpCDF | 3.56E-06                  | 2.50E-05                 | ND                               | U                               | 0.01                        | ND   | ND   |
| 1,2,3,4,7,8-HxCDD   | 4.10E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,4,7,8-HxCDF   | 1.68E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,6,7,8-HxCDD   | 1.66E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,6,7,8-HxCDF   | 1.64E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,7,8,9-HxCDD   | 1.61E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,7,8,9-HxCDF   | 2.62E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,7,8-PeCDD     | 1.15E-06                  | 2.50E-05                 | ND                               | U                               | 1                           | ND   | ND   |
| 1,2,3,7,8-PeCDF     | 1.21E-06                  | 2.50E-05                 | ND                               | U                               | 0.05                        | ND   | ND   |
| 2,3,4,6,7,8-HxCDF   | 1.95E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 2,3,4,7,8-PeCDF     | 1.25E-06                  | 2.50E-05                 | ND                               | U                               | 0.5                         | ND   | ND   |
| 2,3,7,8-TCDD        | 8.61E-07                  | 5.00E-06                 | ND                               | U                               | 1                           | ND   | ND   |
| 2,3,7,8-TCDF        | 1.21E-06                  | 5.00E-06                 | ND                               | U                               | 0.1                         | ND   | ND   |
| OCDD                | 0.00E+00                  | 5.40E-05                 | ND                               | U (B)                           | 0.0001                      | ND   | ND   |
| OCDF                | 4.94E-06                  | 5.00E-05                 | ND                               | U                               | 0.0001                      | ND   | ND   |

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

**Dioxin TCDD TEQ compliance limit established for this outfall?**

**Yes**

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

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



**OUTFALL 006 (FSDF-2)**

**THIRD QUARTER 2007 MASS-BASED REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**July 1 through September 30, 2007**

| ANALYTE                           | UNITS   | Mass-Based Permit<br>Limit Daily<br>Max/Monthly Avg | 9/22/2007 |   |
|-----------------------------------|---------|---|-----------|---|
|                                   |         |   | Result    | CONCENTRATION<br>RESULT VALIDATION<br>QUALIFIER |
| Chloride                          | LBS/DAY | 22,268/-  | 1.57      | *   |
| Nitrate + Nitrite as Nitrogen (N) | LBS/DAY | 1,485/-   | 0.063     | *   |
| Oil & Grease                      | LBS/DAY | 2,227/-   | ND        | *   |
| Perchlorate                       | LBS/DAY | 0.89/-  | ND        | U   |
| Sulfate                           | LBS/DAY | 37,113/-  | 0.58      | *   |
| Total Dissolved Solids            | LBS/DAY | 126,184/-   | 8.1       | *   |
| <b>METALS</b>                     |         |   |           |   |
| Antimony                          | LBS/DAY | 0.89/-  | 0.000015  | J* (DNQ)  |
| Cadmium                           | LBS/DAY | 0.59/-  | 0.000007  | J* (DNQ)  |
| Copper                            | LBS/DAY | 2.08/-  | 0.00015   | *   |
| Lead                              | LBS/DAY | 0.77/-  | 0.00003   | *   |
| Mercury                           | LBS/DAY | 0.02/-  | 0.0000007 | J (DNQ,R)                                       |
| Thallium                          | LBS/DAY | 0.3/-   | ND        | *   |
| <b>ADDITIONAL ANALYTES</b>        |         |   |           |   |
| TCDD TEQ_NoDNQ                    | LBS/DAY | 4.2E-09/-   | ND        | *   |

**OUTFALL 009 (WS-13 Drainage)**

**THIRD QUARTER 2007 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**July 1 through September 30, 2007**

| ANALYTE                           | UNITS    | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 9/22/2007  |                         |
|-----------------------------------|----------|---|------------|-------------------------|
|                                   |          |   | RESULT     | VALIDATION<br>QUALIFIER |
| Chloride                          | mg/L     | 150/-                                       | 6.4        | *                       |
| Fluoride                          | mg/L     | 1.6/-                                       | ANR        | ANR                     |
| Nitrate + Nitrite as Nitrogen (N) | mg/L     | 10/-  | 1.3        | *                       |
| Oil & Grease                      | mg/L     | 15/-  | 1.2        | J* (DNQ)                |
| Perchlorate                       | ug/L     | 6.0/-                                       | ND < 1.5   | U                       |
| pH (Field)                        | pH units | 6.5-8.5/-                                   | 6.9        | *                       |
| Sulfate                           | mg/L     | 250/-                                       | 25         | *                       |
| Temperature                       | deg. F   | 86/-  | 61         | *                       |
| Total Cyanide                     | ug/L     | -/-   | ANR        | ANR                     |
| Total Dissolved Solids            | mg/L     | 850/-                                       | 160        | *                       |
| Total Suspended Solids            | mg/L     | -/-   | 99         | --                      |
| Volume Discharged                 | MGD      | 17.8/-                                      | ANR        | ANR                     |
| <b>METALS</b>                     |          |   |            |                         |
| Aluminum                          | ug/L     | -/-   | ANR        | ANR                     |
| Antimony                          | ug/L     | 6.0/-                                       | 0.86       | J (DNQ)                 |
| Antimony, dissolved               | ug/L     | -/-   | 0.78       | J* (DNQ)                |
| Arsenic                           | ug/L     | -/-   | ANR        | ANR                     |
| Beryllium                         | ug/L     | -/-   | ANR        | ANR                     |
| Cadmium                           | ug/L     | 4.0/-                                       | 0.15       | J (DNQ)                 |
| Cadmium, dissolved                | ug/L     | -/-   | ND < 0.11  | *                       |
| Chromium                          | ug/L     | -/-   | ANR        | ANR                     |
| Copper                            | ug/L     | 14.0/-                                      | 9.9        | --                      |
| Copper, dissolved                 | ug/L     | -/-   | 6.0        | *                       |
| Lead                              | ug/L     | 5.2/-                                       | 8.6        | --                      |
| Lead, dissolved                   | ug/L     | -/-   | 0.87       | J* (DNQ)                |
| Mercury                           | ug/L     | 0.13/-                                      | ND < 0.025 | U                       |
| Mercury, dissolved                | ug/L     | -/-   | ND < 0.025 | U                       |
| Nickel                            | ug/L     | -/-   | ANR        | ANR                     |
| Selenium                          | ug/L     | -/-   | ANR        | ANR                     |
| Silver                            | ug/L     | -/-   | ANR        | ANR                     |
| Thallium                          | ug/L     | 2.0/-                                       | ND < 0.15  | U                       |
| Thallium, dissolved               | ug/L     | -/-   | ND < 0.15  | *                       |
| Vanadium                          | ug/L     | -/-   | ANR        | ANR                     |
| Zinc                              | ug/L     | -/-   | ANR        | ANR                     |
| <b>ORGANICS</b>                   |          |   |            |                         |
| Benzene                           | ug/L     | -/-   | ANR        | ANR                     |
| Carbon Tetrachloride              | ug/L     | -/-   | ANR        | ANR                     |

## OUTFALL 009 (WS-13 Drainage)

### THIRD QUARTER 2007 REPORTING SUMMARY THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

July 1 through September 30, 2007

| ANALYTE                          | UNITS | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 9/22/2007 |                         |
|----------------------------------|-------|---|-----------|-------------------------|
|                                  |       |   | RESULT    | VALIDATION<br>QUALIFIER |
| Chloroform                       | ug/L  | -/-   | ANR       | ANR                     |
| 1,1-Dichloroethane               | ug/L  | -/-   | ANR       | ANR                     |
| 1,2-Dichloroethane               | ug/L  | -/-   | ANR       | ANR                     |
| 1,1-Dichloroethene               | ug/L  | -/-   | ANR       | ANR                     |
| Ethylbenzene                     | ug/L  | -/-   | ANR       | ANR                     |
| Tetrachloroethene                | ug/L  | -/-   | ANR       | ANR                     |
| Toluene                          | ug/L  | -/-   | ANR       | ANR                     |
| Xylenes (Total)                  | ug/L  | -/-   | ANR       | ANR                     |
| 1,1,1-Trichloroethane            | ug/L  | -/-   | ANR       | ANR                     |
| 1,1,2-Trichloroethane            | ug/L  | -/-   | ANR       | ANR                     |
| Trichloroethene                  | ug/L  | -/-   | ANR       | ANR                     |
| Trichlorofluoromethane           | ug/L  | -/-   | ANR       | ANR                     |
| Vinyl chloride                   | ug/L  | -/-   | ANR       | ANR                     |
| <b>ADDITIONAL ANALYTES</b>       |       |   |           |                         |
| 1,1,2,2-Tetrachloroethane        | ug/L  | -/-   | ANR       | ANR                     |
| 1,2,4-Trichlorobenzene           | ug/L  | -/-   | ANR       | ANR                     |
| 1,2-Dichlorobenzene              | ug/L  | -/-   | ANR       | ANR                     |
| 1,2-Dichloropropane              | ug/L  | -/-   | ANR       | ANR                     |
| 1,2-Diphenylhydrazine/Azobenzene | ug/L  | -/-   | ANR       | ANR                     |
| 1,3-Dichlorobenzene              | ug/L  | -/-   | ANR       | ANR                     |
| 1,4-Dichlorobenzene              | ug/L  | -/-   | ANR       | ANR                     |
| 2,4,6-Trichlorophenol            | ug/L  | -/-   | ANR       | ANR                     |
| 2,4-Dichlorophenol               | ug/L  | -/-   | ANR       | ANR                     |
| 2,4-Dimethylphenol               | ug/L  | -/-   | ANR       | ANR                     |
| 2,4-Dinitrophenol                | ug/L  | -/-   | ANR       | ANR                     |
| 2,4-Dinitrotoluene               | ug/L  | -/-   | ANR       | ANR                     |
| 2,6-Dinitrotoluene               | ug/L  | -/-   | ANR       | ANR                     |
| 2-Chloroethylvinylether          | ug/L  | -/-   | ANR       | ANR                     |
| 2-Chloronaphthalene              | ug/L  | -/-   | ANR       | ANR                     |
| 2-Chlorophenol                   | ug/L  | -/-   | ANR       | ANR                     |
| 2-Methyl-4,6-dinitrophenol       | ug/L  | -/-   | ANR       | ANR                     |
| 2-Nitrophenol                    | ug/L  | -/-   | ANR       | ANR                     |
| 3,3'-Dichlorobenzidine           | ug/L  | -/-   | ANR       | ANR                     |
| 4,4'-DDD                         | ug/L  | -/-   | ANR       | ANR                     |
| 4,4'-DDE                         | ug/L  | -/-   | ANR       | ANR                     |
| 4,4'-DDT                         | ug/L  | -/-   | ANR       | ANR                     |
| 4-Bromophenylphenylether         | ug/L  | -/-   | ANR       | ANR                     |
| 4-Chloro-3-methylphenol          | ug/L  | -/-   | ANR       | ANR                     |

## OUTFALL 009 (WS-13 Drainage)

### THIRD QUARTER 2007 REPORTING SUMMARY THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

July 1 through September 30, 2007

| ANALYTE                      | UNITS      | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 9/22/2007 |                         |
|------------------------------|------------|---|-----------|-------------------------|
|                              |            |   | RESULT    | VALIDATION<br>QUALIFIER |
| 4-Chlorophenylphenylether    | ug/L       | -/-   | ANR       | ANR                     |
| 4-Nitrophenol                | ug/L       | -/-   | ANR       | ANR                     |
| Acenaphthene                 | ug/L       | -/-   | ANR       | ANR                     |
| Acrolein                     | ug/L       | -/-   | ANR       | ANR                     |
| Acrylonitrile                | ug/L       | -/-   | ANR       | ANR                     |
| Acute Toxicity               | % SURVIVAL | 70-100/-                                    | ANR       | ANR                     |
| Aldrin                       | ug/L       | -/-   | ANR       | ANR                     |
| alpha-BHC                    | ug/L       | -/-   | ANR       | ANR                     |
| Anthracene                   | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1016                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1221                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1232                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1242                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1248                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1254                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1260                 | ug/L       | -/-   | ANR       | ANR                     |
| Benzidine                    | ug/L       | -/-   | ANR       | ANR                     |
| Benzo(a)anthracene           | ug/L       | -/-   | ANR       | ANR                     |
| Benzo(a)pyrene               | ug/L       | -/-   | ANR       | ANR                     |
| Benzo(b)fluoranthene         | ug/L       | -/-   | ANR       | ANR                     |
| Benzo(g,h,i)perylene         | ug/L       | -/-   | ANR       | ANR                     |
| Benzo(k)fluoranthene         | ug/L       | -/-   | ANR       | ANR                     |
| beta-BHC                     | ug/L       | -/-   | ANR       | ANR                     |
| bis (2-Chloroethyl) ether    | ug/L       | -/-   | ANR       | ANR                     |
| bis (2-ethylhexyl) Phthalate | ug/L       | -/-   | ANR       | ANR                     |
| bis(2-Chloroethoxy) methane  | ug/L       | -/-   | ANR       | ANR                     |
| bis(2-Chloroisopropyl) ether | ug/L       | -/-   | ANR       | ANR                     |
| Bromodichloromethane         | ug/L       | -/-   | ANR       | ANR                     |
| Bromoform                    | ug/L       | -/-   | ANR       | ANR                     |
| Bromomethane                 | ug/L       | -/-   | ANR       | ANR                     |
| Butylbenzylphthalate         | ug/L       | -/-   | ANR       | ANR                     |
| Chlordane                    | ug/L       | -/-   | ANR       | ANR                     |
| Chlorobenzene                | ug/L       | -/-   | ANR       | ANR                     |
| Chloroethane                 | ug/L       | -/-   | ANR       | ANR                     |
| Chloromethane                | ug/L       | -/-   | ANR       | ANR                     |
| Chrysene                     | ug/L       | -/-   | ANR       | ANR                     |
| cis-1,3-Dichloropropene      | ug/L       | -/-   | ANR       | ANR                     |
| delta-BHC                    | ug/L       | -/-   | ANR       | ANR                     |

## OUTFALL 009 (WS-13 Drainage)

### THIRD QUARTER 2007 REPORTING SUMMARY THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

July 1 through September 30, 2007

| ANALYTE                    | UNITS | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 9/22/2007 |                         |
|----------------------------|-------|---|-----------|-------------------------|
|                            |       |   | RESULT    | VALIDATION<br>QUALIFIER |
| Dibenzo(a,h)anthracene     | ug/L  | -/-   | ANR       | ANR                     |
| Dibromochloromethane       | ug/L  | -/-   | ANR       | ANR                     |
| Dieldrin                   | ug/L  | -/-   | ANR       | ANR                     |
| Diethylphthalate           | ug/L  | -/-   | ANR       | ANR                     |
| Dimethylphthalate          | ug/L  | -/-   | ANR       | ANR                     |
| Di-n-butylphthalate        | ug/L  | -/-   | ANR       | ANR                     |
| Di-n-octylphthalate        | ug/L  | -/-   | ANR       | ANR                     |
| Endosulfan I               | ug/L  | -/-   | ANR       | ANR                     |
| Endosulfan II              | ug/L  | -/-   | ANR       | ANR                     |
| Endosulfan sulfate         | ug/L  | -/-   | ANR       | ANR                     |
| Endrin                     | ug/L  | -/-   | ANR       | ANR                     |
| Endrin aldehyde            | ug/L  | -/-   | ANR       | ANR                     |
| Fluoranthene               | ug/L  | -/-   | ANR       | ANR                     |
| Fluorene                   | ug/L  | -/-   | ANR       | ANR                     |
| Heptachlor                 | ug/L  | -/-   | ANR       | ANR                     |
| Heptachlor epoxide         | ug/L  | -/-   | ANR       | ANR                     |
| Hexachlorobenzene          | ug/L  | -/-   | ANR       | ANR                     |
| Hexachlorobutadiene        | ug/L  | -/-   | ANR       | ANR                     |
| Hexachlorocyclopentadiene  | ug/L  | -/-   | ANR       | ANR                     |
| Hexachloroethane           | ug/L  | -/-   | ANR       | ANR                     |
| Indeno(1,2,3-cd)pyrene     | ug/L  | -/-   | ANR       | ANR                     |
| Isophorone                 | ug/L  | -/-   | ANR       | ANR                     |
| Lindane (gamma-BHC)        | ug/L  | -/-   | ANR       | ANR                     |
| Methylene Chloride         | ug/L  | -/-   | ANR       | ANR                     |
| Naphthalene                | ug/L  | -/-   | ANR       | ANR                     |
| Nitrobenzene               | ug/L  | -/-   | ANR       | ANR                     |
| n-Nitrosodimethylamine     | ug/L  | -/-   | ANR       | ANR                     |
| n-Nitroso-di-n-propylamine | ug/L  | -/-   | ANR       | ANR                     |
| n-Nitrosodiphenylamine     | ug/L  | -/-   | ANR       | ANR                     |
| Pentachlorophenol          | ug/L  | -/-   | ANR       | ANR                     |
| Phenanthrene               | ug/L  | -/-   | ANR       | ANR                     |
| Phenol                     | ug/L  | -/-   | ANR       | ANR                     |
| Pyrene                     | ug/L  | -/-   | ANR       | ANR                     |
| Toxaphene                  | ug/L  | -/-   | ANR       | ANR                     |
| trans-1,2-Dichloroethene   | ug/L  | -/-   | ANR       | ANR                     |
| trans-1,3-Dichloropropene  | ug/L  | -/-   | ANR       | ANR                     |

**OUTFALL 009 (WS-13 Drainage)**

**THIRD QUARTER 2007 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Date September 22, 2007**

| <b>ANALYTE</b>      | <b>LAB LOD<br/>(ug/L)</b> | <b>LAB RL<br/>(ug/L)</b> | <b>LAB<br/>RESULT<br/>(ug/L)</b> | <b>VALIDATION<br/>QUALIFIER</b> | <b>1998<br/>WHO<br/>TEF</b> | <b>TCDD Equivalent<br/>(w/DNQ Values)<br/>(ug/L)</b> | <b>TCDD Equivalent<br/>(w/out DNQ Values)<br/>(ug/L)</b> |
|---------------------|---------------------------|--------------------------|----------------------------------|---------------------------------|-----------------------------|--|--|
| 1,2,3,4,6,7,8-HpCDD | 0.00E+00                  | 2.50E-05                 | 2.31E-04                         | --                              | 0.01                        | 2.31E-06   | 2.31E-06   |
| 1,2,3,4,6,7,8-HpCDF | 0.00E+00                  | 2.50E-05                 | 4.25E-05                         | --                              | 0.01                        | 4.25E-07   | 4.25E-07   |
| 1,2,3,4,7,8,9-HpCDF | 5.94E-06                  | 2.50E-05                 | ND                               | U                               | 0.01                        | ND   | ND   |
| 1,2,3,4,7,8-HxCDD   | 0.00E+00                  | 2.50E-05                 | 4.77E-06                         | J (DNQ)                         | 0.1                         | 4.77E-07   | ND   |
| 1,2,3,4,7,8-HxCDF   | 3.36E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,6,7,8-HxCDD   | 0.00E+00                  | 2.50E-05                 | 9.13E-06                         | J (DNQ)                         | 0.1                         | 9.13E-07   | ND   |
| 1,2,3,6,7,8-HxCDF   | 3.18E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,7,8,9-HxCDD   | 0.00E+00                  | 2.50E-05                 | 8.27E-06                         | J (DNQ)                         | 0.1                         | 8.27E-07   | ND   |
| 1,2,3,7,8,9-HxCDF   | 4.64E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,7,8-PeCDD     | 0.00E+00                  | 2.50E-05                 | 3.12E-06                         | J (DNQ)                         | 1                           | 3.12E-06   | ND   |
| 1,2,3,7,8-PeCDF     | 2.36E-06                  | 2.50E-05                 | ND                               | U                               | 0.05                        | ND   | ND   |
| 2,3,4,6,7,8-HxCDF   | 3.40E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 2,3,4,7,8-PeCDF     | 2.31E-06                  | 2.50E-05                 | ND                               | U                               | 0.5                         | ND   | ND   |
| 2,3,7,8-TCDD        | 1.52E-06                  | 5.00E-06                 | ND                               | U                               | 1                           | ND   | ND   |
| 2,3,7,8-TCDF        | 2.14E-06                  | 5.00E-06                 | ND                               | U                               | 0.1                         | ND   | ND   |
| OCDD                | 0.00E+00                  | 5.00E-05                 | 3.78E-03                         | --                              | 0.0001                      | 3.78E-07   | 3.78E-07   |
| OCDF                | 0.00E+00                  | 5.00E-05                 | 1.37E-04                         | --                              | 0.0001                      | 1.37E-08   | 1.37E-08   |

|                                  |                 |                 |
|----------------------------------|-----------------|-----------------|
| <b>TCDD TEQ w/ DNQ Values</b>    | <b>8.46E-06</b> |                 |
| <b>TCDD TEQ w/out DNQ Values</b> |                 | <b>3.13E-06</b> |

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

## OUTFALL 010 (Building 203)

### THIRD QUARTER 2007 REPORTING SUMMARY THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

July 1 through September 30, 2007

| ANALYTE                           | UNITS    | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 9/22/2007  |                         |
|-----------------------------------|----------|---|------------|-------------------------|
|                                   |          |   | RESULT     | VALIDATION<br>QUALIFIER |
| Chloride                          | mg/L     | 150/-                                       | 150        | *                       |
| Fluoride                          | mg/L     | 1.6/-                                       | ANR        | ANR                     |
| Nitrate + Nitrite as Nitrogen (N) | mg/L     | 10/-  | 1.0        | H*                      |
| Oil & Grease                      | mg/L     | 15/-  | 1.3        | J* (DNQ)                |
| Perchlorate                       | ug/L     | 6.0/-                                       | ND < 1.5   | U                       |
| pH (Field)                        | pH units | 6.5-8.5/-                                   | 7.9        | *                       |
| Sulfate                           | mg/L     | 250/-                                       | 50         | *                       |
| Temperature                       | deg. F   | 86/-  | 69         | *                       |
| Total Cyanide                     | ug/L     | -/-   | ANR        | ANR                     |
| Total Dissolved Solids            | mg/L     | 850/-                                       | 590        | *                       |
| Total Suspended Solids            | mg/L     | -/-   | ND < 10    | U                       |
| Volume Discharged                 | MGD      | 17.8/-                                      | 0.025      | *                       |
| <b>METALS</b>                     |          |   |            |                         |
| Aluminum                          | ug/L     | -/-   | ANR        | ANR                     |
| Antimony                          | ug/L     | 6.0/-                                       | 0.57       | J* (DNQ)                |
| Antimony, dissolved               | ug/L     | -/-   | 0.63       | J* (DNQ)                |
| Arsenic                           | ug/L     | -/-   | ANR        | ANR                     |
| Beryllium                         | ug/L     | -/-   | ANR        | ANR                     |
| Cadmium                           | ug/L     | 4.0/-                                       | ND < 0.11  | *                       |
| Cadmium, dissolved                | ug/L     | -/-   | ND < 0.11  | *                       |
| Chromium                          | ug/L     | -/-   | ANR        | ANR                     |
| Copper                            | ug/L     | 14.0/-                                      | ND < 0.75  | *                       |
| Copper, dissolved                 | ug/L     | -/-   | ND < 0.75  | *                       |
| Lead                              | ug/L     | 5.2/-                                       | ND < 0.10  | *                       |
| Lead, dissolved                   | ug/L     | -/-   | 0.16       | J* (DNQ)                |
| Mercury                           | ug/L     | 0.13/-                                      | ND < 0.025 | U                       |
| Mercury, dissolved                | ug/L     | -/-   | 0.041      | J (DNQ)                 |
| Nickel                            | ug/L     | -/-   | ANR        | ANR                     |
| Selenium                          | ug/L     | -/-   | ANR        | ANR                     |
| Silver                            | ug/L     | -/-   | ANR        | ANR                     |
| Thallium                          | ug/L     | 2.0/-                                       | ND < 0.15  | *                       |
| Thallium, dissolved               | ug/L     | -/-   | ND < 0.15  | *                       |
| Vanadium                          | ug/L     | -/-   | ANR        | ANR                     |
| Zinc                              | ug/L     | -/-   | ANR        | ANR                     |
| <b>ORGANICS</b>                   |          |   |            |                         |
| Benzene                           | ug/L     | -/-   | ANR        | ANR                     |
| Carbon Tetrachloride              | ug/L     | -/-   | ANR        | ANR                     |

## OUTFALL 010 (Building 203)

### THIRD QUARTER 2007 REPORTING SUMMARY THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

July 1 through September 30, 2007

| ANALYTE                          | UNITS | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 9/22/2007 |                         |
|----------------------------------|-------|---|-----------|-------------------------|
|                                  |       |   | RESULT    | VALIDATION<br>QUALIFIER |
| Chloroform                       | ug/L  | -/-   | ANR       | ANR                     |
| 1,1-Dichloroethane               | ug/L  | -/-   | ANR       | ANR                     |
| 1,2-Dichloroethane               | ug/L  | -/-   | ANR       | ANR                     |
| 1,1-Dichloroethene               | ug/L  | -/-   | ANR       | ANR                     |
| Ethylbenzene                     | ug/L  | -/-   | ANR       | ANR                     |
| Tetrachloroethene                | ug/L  | -/-   | ANR       | ANR                     |
| Toluene                          | ug/L  | -/-   | ANR       | ANR                     |
| Xylenes (Total)                  | ug/L  | -/-   | ANR       | ANR                     |
| 1,1,1-Trichloroethane            | ug/L  | -/-   | ANR       | ANR                     |
| 1,1,2-Trichloroethane            | ug/L  | -/-   | ANR       | ANR                     |
| Trichloroethene                  | ug/L  | -/-   | ANR       | ANR                     |
| Trichlorofluoromethane           | ug/L  | -/-   | ANR       | ANR                     |
| Vinyl chloride                   | ug/L  | -/-   | ANR       | ANR                     |
| <b>ADDITIONAL ANALYTES</b>       |       |   |           |                         |
| 1,1,2,2-Tetrachloroethane        | ug/L  | -/-   | ANR       | ANR                     |
| 1,2,4-Trichlorobenzene           | ug/L  | -/-   | ANR       | ANR                     |
| 1,2-Dichlorobenzene              | ug/L  | -/-   | ANR       | ANR                     |
| 1,2-Dichloropropane              | ug/L  | -/-   | ANR       | ANR                     |
| 1,2-Diphenylhydrazine/Azobenzene | ug/L  | -/-   | ANR       | ANR                     |
| 1,3-Dichlorobenzene              | ug/L  | -/-   | ANR       | ANR                     |
| 1,4-Dichlorobenzene              | ug/L  | -/-   | ANR       | ANR                     |
| 2,4,6-Trichlorophenol            | ug/L  | -/-   | ANR       | ANR                     |
| 2,4-Dichlorophenol               | ug/L  | -/-   | ANR       | ANR                     |
| 2,4-Dimethylphenol               | ug/L  | -/-   | ANR       | ANR                     |
| 2,4-Dinitrophenol                | ug/L  | -/-   | ANR       | ANR                     |
| 2,4-Dinitrotoluene               | ug/L  | -/-   | ANR       | ANR                     |
| 2,6-Dinitrotoluene               | ug/L  | -/-   | ANR       | ANR                     |
| 2-Chloroethylvinylether          | ug/L  | -/-   | ANR       | ANR                     |
| 2-Chloronaphthalene              | ug/L  | -/-   | ANR       | ANR                     |
| 2-Chlorophenol                   | ug/L  | -/-   | ANR       | ANR                     |
| 2-Methyl-4,6-dinitrophenol       | ug/L  | -/-   | ANR       | ANR                     |
| 2-Nitrophenol                    | ug/L  | -/-   | ANR       | ANR                     |
| 3,3'-Dichlorobenzidine           | ug/L  | -/-   | ANR       | ANR                     |
| 4,4'-DDD                         | ug/L  | -/-   | ANR       | ANR                     |
| 4,4'-DDE                         | ug/L  | -/-   | ANR       | ANR                     |
| 4,4'-DDT                         | ug/L  | -/-   | ANR       | ANR                     |
| 4-Bromophenylphenylether         | ug/L  | -/-   | ANR       | ANR                     |
| 4-Chloro-3-methylphenol          | ug/L  | -/-   | ANR       | ANR                     |



## OUTFALL 010 (Building 203)

### THIRD QUARTER 2007 REPORTING SUMMARY THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

July 1 through September 30, 2007

| ANALYTE                      | UNITS      | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 9/22/2007 |                         |
|------------------------------|------------|---|-----------|-------------------------|
|                              |            |   | RESULT    | VALIDATION<br>QUALIFIER |
| 4-Chlorophenylphenylether    | ug/L       | -/-   | ANR       | ANR                     |
| 4-Nitrophenol                | ug/L       | -/-   | ANR       | ANR                     |
| Acenaphthene                 | ug/L       | -/-   | ANR       | ANR                     |
| Acrolein                     | ug/L       | -/-   | ANR       | ANR                     |
| Acrylonitrile                | ug/L       | -/-   | ANR       | ANR                     |
| Acute Toxicity               | % SURVIVAL | 70-100/-                                    | ANR       | ANR                     |
| Aldrin                       | ug/L       | -/-   | ANR       | ANR                     |
| alpha-BHC                    | ug/L       | -/-   | ANR       | ANR                     |
| Anthracene                   | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1016                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1221                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1232                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1242                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1248                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1254                 | ug/L       | -/-   | ANR       | ANR                     |
| Aroclor-1260                 | ug/L       | -/-   | ANR       | ANR                     |
| Benzidine                    | ug/L       | -/-   | ANR       | ANR                     |
| Benzo(a)anthracene           | ug/L       | -/-   | ANR       | ANR                     |
| Benzo(a)pyrene               | ug/L       | -/-   | ANR       | ANR                     |
| Benzo(b)fluoranthene         | ug/L       | -/-   | ANR       | ANR                     |
| Benzo(g,h,i)perylene         | ug/L       | -/-   | ANR       | ANR                     |
| Benzo(k)fluoranthene         | ug/L       | -/-   | ANR       | ANR                     |
| beta-BHC                     | ug/L       | -/-   | ANR       | ANR                     |
| bis (2-Chloroethyl) ether    | ug/L       | -/-   | ANR       | ANR                     |
| bis (2-ethylhexyl) Phthalate | ug/L       | -/-   | ANR       | ANR                     |
| bis(2-Chloroethoxy) methane  | ug/L       | -/-   | ANR       | ANR                     |
| bis(2-Chloroisopropyl) ether | ug/L       | -/-   | ANR       | ANR                     |
| Bromodichloromethane         | ug/L       | -/-   | ANR       | ANR                     |
| Bromoform                    | ug/L       | -/-   | ANR       | ANR                     |
| Bromomethane                 | ug/L       | -/-   | ANR       | ANR                     |
| Butylbenzylphthalate         | ug/L       | -/-   | ANR       | ANR                     |
| Chlordane                    | ug/L       | -/-   | ANR       | ANR                     |
| Chlorobenzene                | ug/L       | -/-   | ANR       | ANR                     |
| Chloroethane                 | ug/L       | -/-   | ANR       | ANR                     |
| Chloromethane                | ug/L       | -/-   | ANR       | ANR                     |
| Chrysene                     | ug/L       | -/-   | ANR       | ANR                     |
| cis-1,3-Dichloropropene      | ug/L       | -/-   | ANR       | ANR                     |
| delta-BHC                    | ug/L       | -/-   | ANR       | ANR                     |

## OUTFALL 010 (Building 203)

### THIRD QUARTER 2007 REPORTING SUMMARY THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

July 1 through September 30, 2007

| ANALYTE                    | UNITS | Permit Limit<br>Daily<br>Max/Monthly<br>Avg | 9/22/2007 |                         |
|----------------------------|-------|---|-----------|-------------------------|
|                            |       |   | RESULT    | VALIDATION<br>QUALIFIER |
| Dibenzo(a,h)anthracene     | ug/L  | -/-   | ANR       | ANR                     |
| Dibromochloromethane       | ug/L  | -/-   | ANR       | ANR                     |
| Dieldrin                   | ug/L  | -/-   | ANR       | ANR                     |
| Diethylphthalate           | ug/L  | -/-   | ANR       | ANR                     |
| Dimethylphthalate          | ug/L  | -/-   | ANR       | ANR                     |
| Di-n-butylphthalate        | ug/L  | -/-   | ANR       | ANR                     |
| Di-n-octylphthalate        | ug/L  | -/-   | ANR       | ANR                     |
| Endosulfan I               | ug/L  | -/-   | ANR       | ANR                     |
| Endosulfan II              | ug/L  | -/-   | ANR       | ANR                     |
| Endosulfan sulfate         | ug/L  | -/-   | ANR       | ANR                     |
| Endrin                     | ug/L  | -/-   | ANR       | ANR                     |
| Endrin aldehyde            | ug/L  | -/-   | ANR       | ANR                     |
| Fluoranthene               | ug/L  | -/-   | ANR       | ANR                     |
| Fluorene                   | ug/L  | -/-   | ANR       | ANR                     |
| Heptachlor                 | ug/L  | -/-   | ANR       | ANR                     |
| Heptachlor epoxide         | ug/L  | -/-   | ANR       | ANR                     |
| Hexachlorobenzene          | ug/L  | -/-   | ANR       | ANR                     |
| Hexachlorobutadiene        | ug/L  | -/-   | ANR       | ANR                     |
| Hexachlorocyclopentadiene  | ug/L  | -/-   | ANR       | ANR                     |
| Hexachloroethane           | ug/L  | -/-   | ANR       | ANR                     |
| Indeno(1,2,3-cd)pyrene     | ug/L  | -/-   | ANR       | ANR                     |
| Isophorone                 | ug/L  | -/-   | ANR       | ANR                     |
| Lindane (gamma-BHC)        | ug/L  | -/-   | ANR       | ANR                     |
| Methylene Chloride         | ug/L  | -/-   | ANR       | ANR                     |
| Naphthalene                | ug/L  | -/-   | ANR       | ANR                     |
| Nitrobenzene               | ug/L  | -/-   | ANR       | ANR                     |
| n-Nitrosodimethylamine     | ug/L  | -/-   | ANR       | ANR                     |
| n-Nitroso-di-n-propylamine | ug/L  | -/-   | ANR       | ANR                     |
| n-Nitrosodiphenylamine     | ug/L  | -/-   | ANR       | ANR                     |
| Pentachlorophenol          | ug/L  | -/-   | ANR       | ANR                     |
| Phenanthrene               | ug/L  | -/-   | ANR       | ANR                     |
| Phenol                     | ug/L  | -/-   | ANR       | ANR                     |
| Pyrene                     | ug/L  | -/-   | ANR       | ANR                     |
| Toxaphene                  | ug/L  | -/-   | ANR       | ANR                     |
| trans-1,2-Dichloroethene   | ug/L  | -/-   | ANR       | ANR                     |
| trans-1,3-Dichloropropene  | ug/L  | -/-   | ANR       | ANR                     |

**OUTFALL 010 (Building 203)**

**THIRD QUARTER 2007 REPORTING SUMMARY  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Sample Date September 22, 2007**

| <b>ANALYTE</b>      | <b>LAB LOD<br/>(ug/L)</b> | <b>LAB RL<br/>(ug/L)</b> | <b>LAB<br/>RESULT<br/>(ug/L)</b> | <b>VALIDATION<br/>QUALIFIER</b> | <b>1998<br/>WHO<br/>TEF</b> | <b>TCDD Equivalent<br/>(w/DNQ Values)<br/>(ug/L)</b> | <b>TCDD Equivalent<br/>(w/out DNQ Values)<br/>(ug/L)</b> |
|---------------------|---------------------------|--------------------------|----------------------------------|---------------------------------|-----------------------------|--|--|
| 1,2,3,4,6,7,8-HpCDD | 2.99E-06                  | 2.50E-05                 | ND                               | U                               | 0.01                        | ND   | ND   |
| 1,2,3,4,6,7,8-HpCDF | 2.92E-06                  | 2.50E-05                 | ND                               | U                               | 0.01                        | ND   | ND   |
| 1,2,3,4,7,8,9-HpCDF | 2.72E-06                  | 2.50E-05                 | ND                               | U                               | 0.01                        | ND   | ND   |
| 1,2,3,4,7,8-HxCDD   | 3.26E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,4,7,8-HxCDF   | 1.54E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,6,7,8-HxCDD   | 1.54E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,6,7,8-HxCDF   | 1.48E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,7,8,9-HxCDD   | 1.48E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,7,8,9-HxCDF   | 2.32E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 1,2,3,7,8-PeCDD     | 9.89E-07                  | 2.50E-05                 | ND                               | U                               | 1                           | ND   | ND   |
| 1,2,3,7,8-PeCDF     | 1.01E-06                  | 2.50E-05                 | ND                               | U                               | 0.05                        | ND   | ND   |
| 2,3,4,6,7,8-HxCDF   | 1.67E-06                  | 2.50E-05                 | ND                               | U                               | 0.1                         | ND   | ND   |
| 2,3,4,7,8-PeCDF     | 9.70E-07                  | 2.50E-05                 | ND                               | U                               | 0.5                         | ND   | ND   |
| 2,3,7,8-TCDD        | 8.38E-07                  | 5.00E-06                 | ND                               | U                               | 1                           | ND   | ND   |
| 2,3,7,8-TCDF        | 9.91E-07                  | 5.00E-06                 | ND                               | U                               | 0.1                         | ND   | ND   |
| OCDD                | 0.00E+00                  | 5.00E-05                 | ND                               | U (B)                           | 0.0001                      | ND   | ND   |
| OCDF                | 2.95E-06                  | 5.00E-05                 | ND                               | U                               | 0.0001                      | ND   | ND   |

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

**Dioxin TCDD TEQ compliance limit established for this outfall?**

**Yes**

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

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

## OUTFALL 010 (Building 203)

### THIRD QUARTER 2007 MASS-BASED REPORTING SUMMARY THE BOEING COMPANY SANTA SUSANA FIELD LABORATORY NPDES PERMIT CA0001309

July 1 through September 30, 2007

| ANALYTE                           | UNITS   | Mass-Based Permit<br>Limit Daily<br>Max/Monthly Avg | 9/22/2007 |   |
|-----------------------------------|---------|---|-----------|---|
|                                   |         |   | Result    | CONCENTRATION<br>RESULT VALIDATION<br>QUALIFIER |
| Chloride                          | LBS/DAY | 22,268/-  | 31        | *   |
| Nitrate + Nitrite as Nitrogen (N) | LBS/DAY | 1,485/-   | 0.21      | H*  |
| Oil & Grease                      | LBS/DAY | 2,227/-   | 0.27      | J* (DNQ)  |
| Perchlorate                       | LBS/DAY | 0.89/-  | ND        | U   |
| Sulfate                           | LBS/DAY | 37,113/-  | 10.4      | *   |
| Total Dissolved Solids            | LBS/DAY | 126,184/-   | 122       | *   |
| <b>METALS</b>                     |         |   |           |   |
| Antimony                          | LBS/DAY | 0.89/-  | 0.00012   | J* (DNQ)  |
| Cadmium                           | LBS/DAY | 0.59/-  | ND        | *   |
| Copper                            | LBS/DAY | 2.08/-  | ND        | *   |
| Lead                              | LBS/DAY | 0.77/-  | ND        | *   |
| Mercury                           | LBS/DAY | 0.02/-  | ND        | U   |
| Thallium                          | LBS/DAY | 0.3/-   | ND        | *   |
| <b>ADDITIONAL ANALYTES</b>        |         |   |           |   |
| TCDD TEQ_NoDNQ                    | LBS/DAY | 4.2E-09/-   | ND        | *   |