Notes:

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

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

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

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

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

-92.9 +/-200 A negative radiochemical analytical result indicates the count rate of the sample was less than the background condition
$ reported result or other information was incorrectly reported by the laboratory; result was corrected by the data validator
-- based on validation of the data, a qualifier was not required
-/- no permit limit established for daily maximum or monthly average
<value> analyte not detected at a concentration greater than or equal to the DL, MDL, or RL (see laboratory report for specific detail)
* result not validated
*1 improper preservation of sample
*2 the ICP/MS ppb check standard was recovered above the control limit; therefore, the constituent detected was qualified as estimated (J)
*3 initial and or continuing calibration recoveries were outside acceptable control limits
*5 blank spike/blank spike duplicate relative percent difference was outside the control limit
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

no calibration was performed for this compound; result is reported as a tentatively identified compound (TIC)

unusual problems found with the data that have been described in Section II, “Sample Management,” or Section III, “Method Analysis.” The number following the asterisk (*) will indicate the report section where a description of the problem can be found

analysis not required; e.g., constituent or outfall was not required by the permit to be sampled and analyzed (annual, semi-annual, etc.)

laboratory method blank contamination

calibration %RSD or %D were noncompliant

Calibration verification %R was outside method control limits

percent difference between the initial and continuing calibration relative response factors

deg F degrees Fahrenheit

detection limit

detected but not quantified (constituent value greater than or equal to the laboratory method detection limit and less then the laboratory reporting limit)

duplicates show poor agreement

holding time was exceeded

ICP interference check solution results were unsatisfactory

estimated value

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.

the laboratory control sample %R was below the method control limits

laboratory control sample %R was outside control limits

limit of detection

matrix spike (MS) and/or MS duplicate were above the acceptance limits due to sample matrix interference

the MS and/or MS duplicate were below the acceptance limits due to sample matrix interference

method detection limit

million gallons per day

Due to high level of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information.

milligrams per liter

milliliters per liter per hour

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
p    relative percent difference (RPD) is outside control limits
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
     (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 equivalent
T    presumed contamination, as indicated by a detect in the trip blank
TUc  toxicity units (chronic)
U    result not detected
µg/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
SUMMARY OF PERMIT LIMIT EXCEEDANCES

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

**DAILY MAX PERMIT LIMIT EXCEEDANCES**

<table>
<thead>
<tr>
<th>OUTFALL</th>
<th>LOCATIONS</th>
<th>SAMPLE DATE</th>
<th>ANALYTE</th>
<th>PERMIT LIMIT DAILY MAX/ MONTHLY AVERAGE</th>
<th>DAILY MAX RESULT</th>
<th>UNITS</th>
<th>VALIDATION QUALIFIER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outfall 004</td>
<td>SRE</td>
<td>12/15/08</td>
<td>pH (Field)</td>
<td>6.5-8.5/-</td>
<td>9.1</td>
<td>pH Units</td>
<td>*</td>
</tr>
<tr>
<td>Outfall 004</td>
<td>SRE</td>
<td>12/15/08</td>
<td>Chronic Toxicity</td>
<td>1.0</td>
<td>&gt;1.0</td>
<td>TUC</td>
<td>*</td>
</tr>
<tr>
<td>Outfall 006</td>
<td>FSDF-2</td>
<td>11/26/08</td>
<td>pH (Field)</td>
<td>6.5-8.5/-</td>
<td>6.0</td>
<td>pH Units</td>
<td>*</td>
</tr>
</tbody>
</table>

**DAILY MAX BENCHMARK LIMIT EXCEEDANCES**

<table>
<thead>
<tr>
<th>OUTFALL</th>
<th>LOCATIONS</th>
<th>SAMPLE DATE</th>
<th>ANALYTE</th>
<th>BENCHMARK LIMIT DAILY MAX/ MONTHLY AVERAGE</th>
<th>DAILY MASS RESULT</th>
<th>UNITS</th>
<th>VALIDATION QUALIFIER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outfall 009</td>
<td>WS-13 Drainage</td>
<td>11/26/08</td>
<td>TCDD TEQ_NoDNQ</td>
<td>2.80E-08/-</td>
<td>3.99E-07</td>
<td>ug/L</td>
<td>--</td>
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<tr>
<td>Outfall 009</td>
<td>WS-13 Drainage</td>
<td>12/15/08</td>
<td>Lead</td>
<td>5.2/-</td>
<td>19</td>
<td>ug/L</td>
<td>--</td>
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<tr>
<td>Outfall 009</td>
<td>WS-13 Drainage</td>
<td>12/15/08</td>
<td>TCDD TEQ_NoDNQ</td>
<td>2.80E-08/-</td>
<td>1.83E-06</td>
<td>ug/L</td>
<td>--</td>
</tr>
<tr>
<td>Outfall 014</td>
<td>APTF</td>
<td>11/04/08</td>
<td>Nitrate + Nitrite as Nitrogen (N)</td>
<td>8.0/-</td>
<td>9.3</td>
<td>mg/L</td>
<td>--</td>
</tr>
<tr>
<td>Outfall 014</td>
<td>APTF</td>
<td>11/04/08</td>
<td>Nitrate as Nitrogen (N)</td>
<td>8.0/-</td>
<td>9.3</td>
<td>mg/L</td>
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**DAILY MASS BENCHMARK LIMIT EXCEEDANCES**

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<tr>
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<th>SAMPLE DATE</th>
<th>ANALYTE</th>
<th>BENCHMARK LIMIT DAILY MAX/ MONTHLY AVERAGE</th>
<th>DAILY MASS RESULT</th>
<th>UNITS</th>
<th>RESULT CONCENTRATION VALIDATION QUALIFIER</th>
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</thead>
<tbody>
<tr>
<td>Outfall 009</td>
<td>WS-13 Drainage</td>
<td>12/15/08</td>
<td>TCDD TEQ_NoDNQ</td>
<td>4.20E-09</td>
<td>6.23E-09</td>
<td>lbs/dy</td>
<td>--</td>
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</tbody>
</table>

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