The Boeing Company
Santa Susana Field Laboratory
5800 Woolsey Canyon Road
Canoga Park, CA 91304-1148

Federal Express

February 11, 2011
In reply refer to SHEA-110877

Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Attention: Information Technology Unit

Reference: Compliance File CI-6027 and NPDES No. CA0001309

Subject: Fourth Quarter 2010 NPDES Discharge Monitoring Report Submittal – Santa Susana Site

Dear Sir/Madam,

The Boeing Company (Boeing) hereby submits the Fourth Quarter 2010 Discharge Monitoring Report (DMR) for the Santa Susana Field Laboratory (Santa Susana Site). In conformance with National Pollutant Discharge Elimination System (NPDES) Permit No. CA0001309 (NPDES Permit), this report includes the field actions and results from activities related to the Santa Susana Site surface water outfalls (**Figure 1**) that occurred during the period of October 1 - December 31, 2010 (Fourth Quarter 2010). Included are summary tables of surface water sample analytical results, rainfall summaries, liquid waste shipment summaries, and surface water sample laboratory analytical reports.

Hard copies of this DMR are available to the public at California State University at Northridge Library; Simi Valley Library; and the Platt Branch of the Los Angeles Library. An electronic version of this DMR is located at:

www.boeing.com/aboutus/environment/santa_susana/programs.html.

FOURTH QUARTER 2010 DMR CONTENTS AND DISCHARGE SUMMARY

Figure 1 is a map showing the location of the regulated outfall location map for the Santa Susana Site. A summary of the Fourth Quarter 2010 measured precipitation at the Santa Susana Site is presented in **Appendix A**. All sanitary wastes from the domestic sewage treatment plants (STPs I, II, and III) were shipped off-site for disposal. These data and details of all other liquid waste shipments are summarized in **Appendix B**.

The Santa Susana Site experienced 15 daily rain events that produced greater than 0.1 inch of rainfall within a 24-hour period (see **Appendix A**). Prior to and following each rain event, stormwater outfall location field inspections were conducted to determine flow volume at each outfall for each rainfall event. In accordance with NPDES Permit requirements, Fourth Quarter sampling was performed at specific

outfalls where discharge occurred, and more than 0.1 inch of rainfall in a 24-hour period occurred. **Table 1** summarizes the Fourth Quarter 2010 sampling record by outfall/location where flow was observed, and sample type collected per the requirements of the NPDES Permit.

Table 1. Fourth Quarter 2010 Sampling Record -- Boeing SSFL

Date	Outfall/Location	Samples Collected (i.e., grab, composite)
10/6/2010	Outfall 009 (WS-13 Drainage)	Grab & Composite
10/20/2010	Outfall 009 (WS-13 Drainage)	Grab & Composite
11/10/2010	Arroyo Simi Receiving Water/Sediment	Grab
11/20/2010	Outfall 009 (WS-13 Drainage)	Grab
12/6/2010	Outfall 009 (WS-13 Drainage)	Grab & Composite
12/18/2010	Outfall 009 (WS-13 Drainage)	Grab & Composite
12/19/2010	Outfall 001 (South Slope below Perimeter Pond)	Grab
	Outfall 002 (South Slope below R-2 Pond)	Grab
	Outfall 008 (Happy Valley)	Grab & Composite
12/20/2010	Outfall 001 (South Slope below Perimeter Pond)	Composite
	Outfall 002 (South Slope below R-2 Pond)	Composite
	Outfall 006 (FSDF-2)	Grab & Composite
	Outfall 018 (R-2 Pond)	Grab
12/21/2010	Outfall 018 (R-2 Pond)	Composite
12/22/2010	Outfall 011 (Perimeter Pond)	Grab
12/23/2010	Outfall 011 (Perimeter Pond)	Composite
12/26/2010	Outfall 001 (South Slope below Perimeter Pond)	Grab & Composite
	Outfall 002 (South Slope below R-2 Pond)	Grab & Composite
	Outfall 006 (FSDF-2)	Grab & Composite
	Outfall 008 (Happy Valley)	Grab & Composite
	Outfall 009 (WS-13 Drainage)	Grab & Composite
12/29/2010	Outfall 002 (South Slope below R-2 Pond)	Grab
	Outfall 008 (Happy Valley)	Grab
	Outfall 009 (WS-13 Drainage)	Grab
12/30/2010	Outfall 002 (South Slope below R-2 Pond)	Grab & Composite[1]
	Outfall 008 (Happy Valley)	Composite
	Outfall 009 (WS-13 Drainage)	Composite

Collected samples were submitted to and analyzed by a California-certified analytical laboratory per the NPDES Permit requirements. Analytical results from these Fourth Quarter 2010 surface water samples are presented in tabular form by

[1] The low flow conditions did not allow for composite samples to be completed; thus, grab sampling was performed to supplement the partial composite sample.

outfall location, constituents evaluated (analytes), sample dates, and data validation qualifiers in **Appendices C** and **D**.

A summary table of NPDES Permit effluent limit exceedances and/or benchmark limits based on the surface water analytical data is provided in **Appendix E**. In addition, the results of a reasonable potential analysis (RPA) utilizing updated monitoring data are provided in **Appendix F**. **Appendix G** contains copies of the laboratory analytical reports, chains of custody, and data validation reports.

Included in **Appendices C** through **F** are a compilation of notes, abbreviations, and data validation codes that are used in the analytical data summary tables.

FOURTH QUARTER 2010 SITE-WIDE STORM WATER POLLUTION PREVENTION PLAN (SWPPP)/BEST MANAGEMENT PRACTICES (BMP) ACTIVITIES

Boeing continued to implement the site-wide Storm Water Pollution Prevention Plan (SWPPP) throughout Fourth Quarter 2010. Specifically, Boeing:

- Conducted monthly inspections as required by the site-wide SWPPP to identify and mitigate any concerns following the storm that may affect the quality of stormwater runoff from the Santa Susana site in preparation of the next storm season.
- Continued implementation of the removal of structural features, concrete foundations, metal, and other debris from the Santa Susana Site.
- Conducted weekly, pre and post rain inspections and every 24 hours during extended periods of rainfall according to requirements in the individual construction SWPPPs for specific projects.
- Conducted BMP maintenance in response to the weekly, monthly, pre- and post storm inspections conducted at the site.

Boeing also continued to implement Interim Source Removal Action (ISRA) related activities at Outfalls 008 and 009, and performed Northern Drainage cleanup activities and BMP upgrades. These activities are discussed more fully below, and summarized in **Table 2**.

Site-Wide Planting of Native Vegetation

As recommended by the Stormwater Expert Panel, Boeing continued to utilize the dry season to focus its native plant restoration program on those areas where wet-season and remediation-related soil erosion is probable. Boeing continued to reintroduce native vegetative species along the Northern Drainage (Outfall 009 watershed) area during the Fourth Quarter 2010 that included an additional 384 plants. Repopulated species include Mulefat, Elderberry, Creeping Wild Rye,

Mugwort and Coyote Brush. Irrigation is conducted to ensure that native species become established.

Outfall 008/009 ISRA and BMP Plan Related Activities

Proactively addressing constituents that have historically exceeded NPDES Permit limits, and pursuant to the December 3, 2008 Section 13304 Order issued by the Los Angeles Regional Water Quality Control Board (Regional Board), Boeing has aggressively undertaken source removal and related activities in the Outfall 008 and 009 watersheds.

During the Fourth Quarter 2010, Boeing:

- Completed excavation and confirmation soil sampling at the following ISRA areas on Boeing property in the Outfall 009 watershed: ISRA areas CTLI-1A and CTLI-1B up-gradient of culvert CM-7 within the CTLI RFI site; ISRA areas B1-1A, B1-1B, B1-1C, B1-1D, and B1-2 within the B-1 RFI site; and ISRA area IEL-1 within the IEL RFI site.
- Completed excavation and confirmation soil sampling at the following ISRA areas on NASA property in the Outfall 009 watershed: ISRA areas AP/STP-1A, AP/STP-1D, and AP/STP-1F within and down gradient of the Building 515 STP RFI site.
- Presented confirmation sampling results and data to RWQCB, and received RWQCB concurrence that excavations are complete.
- Performed waste characterization soil sampling at the following ISRA areas on NASA property in the Outfall 009 watershed: A2LF-2A, A2LF-2B, LOX-1A, LOX-1B-1, LOX-1B-2, LOX-1B-3, LOX-1B-4, LOX-1C, and LOX-1D.
- Completed off-site disposal of excavated soil from ISRA areas on Boeing property in the Outfall 009 watershed.
- Began post-excavation activities at ISRA areas including post-excavation topographic surveys, backfill and re-contouring of excavations, post-restoration topographic surveys, BMPs installation, hydroseed mulch application, and native plants installation.
- Conducted road abandonment per Stormwater Expert Panel Recommendations[2].
- Submitted the 2010-2011 BMP and ISRA Performance Monitoring Sampling and Analysis Plan to the RWQCB[3].
- Collected performance monitoring surface water samples during rain events in the Fourth Quarter 2010.
- Conducted weekly SWPPP inspections during the rainy season.

---

[2] Technical Memorandum: Recommended procedures for Road Closures in the Outfall 008 and Outfall 009 Watersheds, prepared by: Surface Water Expert Panel Attn: Michael Josselyn, PhD, November 2, 2010

Boeing continues to conduct weekly status meetings, and submit monthly and quarterly progress reports to Regional Board Staff on the progress of the ISRA activities[3].

Northern Drainage Activities

Boeing has actively worked to restore the Northern Drainage following clean-up activities performed in 2010 under the Department of Toxic Substances Control (DTSC) oversight as part of Regional Board Cleanup and Abatement Order (CAO) No. R4-2007-0054. Specifically, Boeing:

- Completed manual removal of approximately one gallon of visible grey foam insulation and clay target fragments;
- Performed weekly inspection of native plants installed along the Northern Drainage by a biologist to observe and assess rooting of new plants;
- Applied hydroseed to promote the establishment of native plant species within sparsely vegetated areas, and as an additional erosion control and soil stabilization measure within the entire drainage;
- Conducted culvert maintenance activities;
- Added rip-rap to multiple areas within the Northern Drainage to dissipate flow energy and promote sedimentation;
- Continued to identify areas with poor vegetation and bare soil for the as-needed installation of BMPs;
- Maintained and inspected current BMPs throughout the drainage; and
- Collected surface water samples from the Northern Drainage.

Boeing continues to submit monthly progress reports to Regional Board Staff on the progress of Northern Drainage activities.

Outfalls 011 and 018 Treatment Systems

Based upon the results of the Outfall 011 and 018 temporary stormwater treatment system (TSTSs) testing completed in the previous storm season, Boeing is currently constructing permanent chemical treatment systems at these two locations for the winter season.

Design and construction activities for the final Outfall 011 and Outfall 018 stormwater treatment systems (STSs) configurations were performed during the Fourth Quarter 2010. These activities included the following:

- Prepared and placed steel plate foundations for treatment system equipment and secured equipment on their corresponding foundation. This consisted of drilling anchor holes, placing and pouring concrete for anchor rods, securing rods to steel plates, and placing and welding equipment to steel plate foundations.

[3] Available at http://www.boeing.com/aboutus/environment/santa_susana/isra.html

- Installed main piping and valves between equipment.
- Installed piping and valves to connect R-2A Pond, Silvernale Pond,, and their Outfall 018 discharge location.
- Poured concrete foundations for pumps, tanks, and electrical panels.
- Installed the intake structures for both treatment systems.
- Installed intake cages for uphill conveyance from R-2A Pond to Silvernale Pond, and from Perimeter Pond to R-1 Pond.

The STSs for the current storm season will be completed in the First Quarter 2011 with additional modification or optimization to be completed on the STSs throughout the Second Quarter 2011. While this system is currently under construction, storm water control measures in place to meet water quality objectives include existing flow through media beds.

The following is a summary of the specific BMP activities by outfall location that were conducted during the first quarter.

Table 2: Boeing's BMP Activities during the Fourth Quarter 2010

OUTFALL (Location)	BMP ACTIVITIES DURING FOURTH QUARTER 2010
001 (South Slope below Perimeter Pond)	Inspected sediment and erosion control BMPs, performed maintenance on the flume and conducted housekeeping activities at the sample location. Performed calibration check on outfall flow meter. Applied hydroseed along the drainage. Continued irrigation of native plants three times per week until plants are established. Performed weed abatement.
002 (South Slope below R-2 Pond)	Inspected sediment and erosion control BMPs, performed maintenance on the flume and conducted housekeeping activities at the sample location. Performed calibration check on outfall flow meter. Applied hydroseed along the drainage. Continued irrigation of native plants three times per week until plants are established. Performed weed abatement.
003 (RMHF)	Conducted structural BMP and stormwater filter system inspections. Performed maintenance on flume and conducted housekeeping activities at the sample location. Performed calibration check on outfall flow meter. Completed improved retention to move stormwater to a consolidated location. Began upgrade of structural BMP including the replacement of Granular Activated Carbon and Zeolite media. Completed media rinse. Performed weed abatement.
004 (SRE)	Conducted structural BMP and stormwater filter system inspections. Performed maintenance on flume and conducted housekeeping activities at the sample location. Performed calibration check on outfall flow meter. Completed improved retention to move stormwater to a consolidated location. Completed upgrade of structural BMP including the replacement

OUTFALL (Location)	BMP ACTIVITIES DURING FOURTH QUARTER 2010
	of Granular Activated Carbon and Zeolite media. Completed media rinse. Performed weed abatement.
005 (FSDF-1)	Conducted sedimentation basin and stormwater filter system inspections. Maintained temporary treatment system for Outfalls 005/007. Conducted housekeeping activities at the sample location. Completed improved retention to move stormwater to a consolidated location. Performed weed abatement.
006 (FSDF-2)	Conducted structural BMP and stormwater filter system inspections. Performed maintenance on flume and conducted housekeeping activities at the sample location. Performed calibration check on outfall flow meter. Completed improved retention to move stormwater to a consolidated location. Began upgrade of structural BMP including the replacement of GAC and Zeolite media. Completed media rinse. Raised berms upstream of the sand filter media bed. Performed weed abatement/vegetation removal.
007 (Building 100)	Conducted BMP, sedimentation basin and stormwater filter system inspections. Conducted housekeeping activities at the outfall and sample location. Completed improved retention to move stormwater to a consolidated location. Performed weed abatement.
008 (Happy Valley)	Inspected and maintained sediment and erosion control BMPs. Applied hydroseed mulch at former ISRA area. Native plants were irrigated three times per week. Performed maintenance on outfall access road, including road abandonment measures as recommended by the Stormwater Expert Panel, and weed abatement. Performed maintenance on the flume, and conducted housekeeping activities at the sample location. Performed calibration check on outfall flow meter.
009 (WS-13 Drainage)	Inspected sediment and erosion control BMPs. Conducted ISRA work, including restoration and erosion control activities, such as planting native plants for erosion control. Conducted irrigation of new plants three times per week. Performed weed abatement. Performed maintenance on the flume and conducted housekeeping activities at the sample location. Performed calibration check on outfall flow meter.
010 (Building 203)	Conducted structural BMP and stormwater filter system inspections. Performed maintenance on flume and conducted housekeeping activities at the sample location. Performed calibration check on outfall flow meter. Completed improved retention to move stormwater to a consolidated location. Began upgrade of structural BMP, including the replacement of Granular Activated Carbon and Zeolite media. Hydroseeded and added wattles upstream of BMP. Completed media rinse. Performed

OUTFALL (Location)	BMP ACTIVITIES DURING FOURTH QUARTER 2010
	weed abatement.
011 (Perimeter Pond)	Conducted BMP and drainage system inspections. Performed maintenance and conducted housekeeping at the sample location. Performed calibration check on outfall flow meter. Began mobilization and construction of STS. Installed erosion control measures. Performed weed abatement.
012 (ALFA Test Stand)	Conducted inspection of structural BMPs. Performed maintenance and conducted housekeeping activities at the sample location. Completed improved retention to move stormwater to a consolidated location. Completed media rinse. Performed weed abatement.
013 (BRAVO Test Stand)	Conducted inspection of structural BMPs. Performed maintenance and conducted housekeeping activities at the sample location. Completed improved retention to move stormwater to a consolidated location. Completed media rinse. Performed weed abatement.
014 (APTF Test Stand)	Conducted inspection of structural BMPs. Performed maintenance and conducted housekeeping activities at the sample location.
018 (R-2 Spillway)	Conducted structural BMP inspections. Performed housekeeping activities at the sample location. Performed calibration check on outfall flow meter. Began mobilization and construction of STS. Performed weed abatement.
019 (GETS)	Groundwater Extraction Treatment System (GETS) operation is ongoing. Currently, treated ground water is hauled off-site; no discharges.

SUMMARY OF NONCOMPLIANCE

The following summary of noncompliance results for Fourth Quarter 2010 monitoring results is organized by outfall location. As indicated in the Permit, only exceedances of a permit limit or benchmark limits are discussed in this DMR. Those constituents that are detected but do not have a permit limit or benchmark limit are not included. No constituents were detected in the receiving water sample at concentrations greater than the receiving water limits for the Arroyo Simi.

Outfall 001
The following is a summary of exceedances of benchmark limits at Outfall 001 (South Slope below Perimeter Pond). The benchmark limit exceedances are further detailed in **Appendix E**.

Metals

Iron and manganese were detected in excess of their respective benchmark daily limits at Outfall 001 in the sample that was collected on December 19-20, 2010, as indicated in **Appendix E**. Iron was detected at 6.4 mg/L for the sample collected on December 19, 2010. This is in excess of the benchmark daily limit of 0.3 mg/L for iron. Manganese was found in the same sample, collected December 19, 2010, at a concentration of 96 µg/L. This value exceeds the benchmark limit daily maximum concentration of 50 µg/L.

Iron was detected in excess of its benchmark daily limits at Outfall 001 in the sample that was collected on December 26, 2010, as indicated in **Appendix E**. Iron was detected at 1.8 mg/L for the sample collected on December 26, 2010. This is in excess of the benchmark daily limit for iron of 0.3 mg/L.

The Stormwater Expert Panel study, *SSFL Metals Background Report: Sources of Metals in SSFL Watersheds*[4], noted that heavy metals in stormwater discharges from Outfalls 001, 002, 008, and 009 originate from various sources, including natural soil components, rainfall, and dry atmospheric deposition from local and regional sources. This report also explained that data show wet weather metals concentrations in creeks in regional natural watersheds are generally one order of magnitude lower than concentrations in regional developed watersheds, and that Santa Susana "outfall metal concentrations were comparable to the concentrations at these undeveloped watersheds."

Boeing believes that the metals concentrations in stormwater runoff from the Santa Susana site are associated with TSS consisting of native sediments and soils, and TSS and metals loading will vary based on rainfall intensity, duration, and erosion characteristics. The elevated metal concentrations observed are thus likely predominately due to the erosion of native soils and ash, and their subsequent migration into stormwater. BMPs upstream of Outfall 001 are designed to assist in controlling sediment transport into the surface water, and include hydroseeding and continued irrigation of native plants installed along the banks for stabilization of sediments per the Expert Panel recommendation. Boeing will continue to evaluate the data and is fully committed to meeting the requirements of its NPDES permit through the aggressive actions taken as described further in Table 2.

Outfall 002
The following is a summary of benchmark limit exceedances at Outfall 002 (South Slope below R-2 Pond). The benchmark limit exceedances are further detailed in **Appendix E**.

Metals
Iron was detected in excess of its benchmark limit daily maximum at Outfall 002 in the sample that was collected on December 19-20, 2010, as indicated in **Appendix E**. Iron was detected at 2.7 mg/L in the sample collected on December 19, 2010. This is in excess of the benchmark limit daily maximum of 0.3 mg/L for iron.

[4] Available at http://www.boeing.com/aboutus/environment/santa_susana/tech_reports.html

As discussed for Outfall 001, Boeing believes the metals concentrations in stormwater runoff from the SSFL are associated with TSS consisting of native sediments and soils, and that TSS and metals loading will vary based on rainfall intensity, duration, and erosion characteristics. Continued monitoring of surface water and aggressive actions taken as noted in Table 2 to control sediment transport is underway until this issue is resolved.

Outfall 008
The following is a summary of exceedances of permit limits at Outfall 008 (Happy Valley). The permit limit exceedances are further detailed in **Appendix E**.

Metals
Lead was detected at Outfall 008 on December 19, 2010 at concentrations above its permit daily limit as indicated in **Appendix E**. On December 19, 2010, a lead concentration of 6.7 µg/L was recorded, which is in excess of the 5.2 µg/L permit daily limit.

As discussed above, Boeing believes the metals concentrations in stormwater runoff from the Santa Susana site are associated with TSS consisting of native sediments and soils, and TSS and metals loading will vary based on rainfall intensity, duration, and erosion characteristics. Boeing continues to implement BMPs to reduce TSS which has contributed to the exceedances noted in the stormwater runoff within the Outfall 008 watershed. Those actions taken during the Fourth Quarter 2010 are described in the sections above of this report under the section entitled **Outfalls 008/009 ISRA and BMP Plan Related Activities.** These actions are also noted in **Table 2**. Continued monitoring of surface water will also provide a more thorough dataset with which to further evaluate the occurrence and likely sources of metals.

Outfall 009
The following is a summary of exceedances of permit limits at Outfall 009 (WS-13 Drainage). The permit limit exceedances are further detailed in **Appendix E**.

Dioxins and Furans: TCDD Toxic Equivalent Quotient (TEQ)
TCDD TEQ in stormwater samples from Outfall 009 exceeded the TCDD TEQ daily permit limit on October 6, 2010. The measured concentration for the sample collected on October 6 is 3.9×10^{-8} µg/L. The value slightly exceeds the permit limit daily maximum of 2.8×10^{-8} µg/L.

TCDD congeners have been frequently detected in DTSC-approved, non-impacted background soils at the SSFL (MWH, 2005). In some areas, onsite operations have utilized combustion processes, however when these potentially impacted areas were investigated, the TCDD TEQ values in soils were found either to be equivalent to background levels or, if elevated, they were shown to decrease over relatively short distances to near background levels down slope or down drainage from the suspected source area.

The presence of TCDD in both background soils and fire-related materials is well documented in the scientific literature (USEPA, 2000), substantiated by previously-completed on- and offsite studies (MWH, 2005), and presented in the Flow Science Background Report (Flow Science, 2006). These reports suggest that the levels of TCDD TEQ measured in surface water at the SSFL could originate primarily from wildfire combustion processes, regional and atmospheric deposition, and other naturally occurring sources over which Boeing has no reasonable control.

A report completed by the Stormwater Expert Panel, *SSFL Stormwater Dioxin Background Report*[5], underscores the significant role of background dioxins (TCDD) in stormwater discharges from Outfalls 001, 002, 008, and 009 at the Santa Susana Site. Among other things, the Expert Panel explains that dioxins are ubiquitous in the environment and come from wildfires and atmospheric deposition from widespread offsite emissions. As a result, "natural background soils are a significant source of dioxins in stormwater" at Santa Susana.

Boeing is committed to fulfilling the requirements of the NPDES permit and continues to take actions to reduce discharges of regulated constituents, including TCDD. Those actions taken during the Fourth Quarter 2010 are described in the sections above of this report addressing **Site-Wide Planting of Native Vegetation**, **Outfalls 008/009 ISRA and BMP Plan Related Activities,** and **Northern Drainage Activities,** and in **Table 2**.

Metals
Lead was detected in samples collected from Outfall 009 on October 6, 2010, at concentration of 11.0 µg/L. This concentration exceeds the NPDES permit limit of 5.2 µg/L, as indicated in **Appendix E**.

The reduction of total suspended solids (TSS) in stormwater runoff is likely to be the most effective approach for reducing lead concentrations, since lead typically has low solubility and is associated with sediments. During cleanup activities, Boeing has implemented BMPs to minimize the transportation of sediment from these areas. Boeing continues to investigate erosion sources and erosion control measures that can be implemented in the Outfall 009 watershed, and erosion and sediment control plans, including channel stabilization, are underway for the Northern Drainage area, as are restoration activities as discussed further in this document.

Outfall 011
The following is a summary of exceedances of permit limits at Outfall 011 (Perimeter Pond). The permit limit exceedances are further detailed in **Appendix E**.

Metals
Iron and manganese were detected in excess of their respective permit daily limits at Outfall 011 in the sample that was collected on December 22 -23, 2010, as

[5] Available at http://www.boeing.com/aboutus/environment/santa_susana/tech_reports.html.

indicated in **Appendix E**. Iron was detected at 6.4 mg/L on December 22 -23, 2010. This is in excess of the permit limit daily maximum for iron of 0.3 mg/L. Manganese was found in the same sample, collected December 22 -23, 2010, at a concentration of 62 µg/L. This value exceeds the permit limit daily maximum concentration of 50 µg/L.

As discussed above, Boeing believes the metals concentrations in stormwater runoff from the SSFL are associated with TSS consisting of native sediments and soils, and that TSS and metals loading will vary based on rainfall intensity, duration, and erosion characteristics.

A permanent Stormwater Treatment System (STS) at Outfall 011, located adjacent to R-1 Pond, for stormwater discharges is currently completing construction. This system will replace the temporary system that has been used in previous seasons. During this transition period, stormwater discharges have been regulated through the existing structural BMP at Perimeter Pond and flow was controlled to prevent over topping. Additional BMP and SWPPP related actions at Outfall 011 are further described in **Table 2**.

Outfall 018
The following is a summary of exceedances of permit limits at Outfall 018 (R-2 Spillway). The permit limit exceedances are further detailed in **Appendix E**.

Metals
Iron was detected in excess of its permit daily limit at Outfall 018 in the sample that was collected on December 20-21, 2010, as indicated in **Appendix E**. Iron was detected at 2.3 mg/L in the sample collected on December 20-21, 2010. This is in excess of the permit daily limit for iron of 0.3 mg/L.

Boeing has investigated and continues to investigate potential sources of constituents coming from areas of historical Site industrial activity with coordination from the DTSC. Boeing continues to investigate erosion sources and erosion control measures at the Outfall 018 watershed, and will improve the treatment system processes, as appropriate, to better control sediment and associated metals transport into the surface water.

A similar approach to meet permit limits has been employed at Outfall 018 as discussed above for Outfall 011. This approach included the construction of a permanent Stormwater Treatment System (STS) at Outfall 018, located adjacent to the Silvemale pond. This system will replace the temporary system that has been used in previous seasons. During this transition period, stormwater discharges have been regulated through the existing structural BMP within the R-2 Pond spillway and flow was controlled to prevent over topping. Additional BMP and SWPPP related actions at Outfall 018 are further described in **Table 2**.

There is substantial evidence, including the Stormwater Expert Panel's Reports on Metals and Dioxins discussed above, showing that background conditions are

significant contributors of regulated constituents. The Regional Board Staff has recognized that many chemical constituents "are naturally occurring in the environment" and that in many cases "these constituents may be naturally elevated above the [applicable] water quality objective," thereby resulting in exceedances of applicable effluent limits. For this reason, Staff has recommended that the Regional Board "consider developing" implementation provisions for water quality standards to account for background conditions[6]. Boeing agrees that continued monitoring of surface water will provide a more thorough dataset with which to evaluate further the occurrence and likely sources of regulated constituents.

REASONABLE POTENTIAL ANALYSIS (RPA)

Outfall monitoring data were collected during the Fourth Quarter 2010 for Outfalls 001, 002, 006, 008, 009, 011, 018, and the Arroyo Simi Receiving Water sample point. Data from this quarter were added to the RPA dataset as per the MWH and Flow Science RPA procedures for the outfall monitoring group, Outfalls 001, 002, 011, 018 and 003-010) (MWH and Flow Science, 2006). The analytical results for this sampling period did not trigger reasonable potential for any constituents not already regulated under the current NPDES Permit. Complete RPA tables for the outfall monitoring group are provided in **Appendix** F.

Boeing does not believe the currently used RPA procedures are appropriate for stormwater and stormwater-dominated discharges from the SSFL. The RPA procedures are outlined in the California State Implementation Plan (SIP) and EPA's Technical Support Document for Water Quality-Based Toxics Control (TSD). It is inappropriate to use the RPA procedures for determining water quality impacts in the stormwater context because those procedures were developed for steady-state discharges. Stormwater discharges are not steady-state discharges, and during and between storms reflect highly variable flow rates and water quality COC concentrations[7].

DATA VALIDATION AND QUALITY CONTROL DISCUSSION

---

[6] See Revised Staff Report for 2008-2010 Triennial Review (Mar. 18, 2010); available at: http://www.swrcb.ca.gov/rwqcb4/water_issues/programs/basin_plan/BasinPlanTriennialReview/Addl_Documents2010_03_18/Revised%20Staff%20Report.pdf; see also Response to Comments on the Draft Triennial Review Staff Report and Tentative Resolution at 3-5 (Mar. 18, 2010); available at: http://www.swrcb.ca.gov/rwqcb4/water_issues/programs/basin_plan/BasinPlanTriennialReview/Addl_Documents2010_03_18/Response%20to%20Comments%20on%20the%20Tentative%20Resolution%20and%20Staff%20Report.pdf.

[7] See Flow Science, Boeing SSFL Technical Memo for RPA Procedures (May 2006) (submitted to Regional Board May 8, 2006) available at: http://www.boeing.com/aboutus/environment/santa_susana/water_quality/tech_reports_10-11-10_ReasonablePotenAnalyMethodTechMemo.pdf

In accordance with current EPA guidelines and procedures, or as specified in the NPDES Monitoring and Reporting Program, chemical analyses of surface water discharge and receiving water samples were completed at a State of California-certified laboratory. Data validation was performed on the analytical results and quality control elements were found to be within acceptable limits for the analytical methods reported, except as noted on the analytical summary tables. As noted above, measures were implemented by the analytical laboratory to monitor and/or evaluate its low level detections, to analyze for interferences and to ensure that cross contamination does not occur in the future. Laboratory analytical reports, including validation reports and notes, are included in **Appendix D**. Attachment T-A of the NPDES Permit issued to the SSFL presents the State of California Water Resources Control Board (SWRCB or "State Board") minimum levels (MLs) for use in reporting and determining compliance with NPDES Permit limits.

The analytical laboratory achieved these MLs for this reporting period when technically possible. When elevated laboratory reporting limits (RLs) were noted, the laboratory maximum detectable limits (MDLs) remained below the State of California MLs. However, some constituents' daily MDLs in the NPDES Permit are less than their respective MLs, and less than the RL. In cases where the NPDES Permit limit is less than the RL and ML, the RL was used to determine compliance. The specific constituents that have NPDES Permit limits that are less than the RL and ML are: mercury, bis(2-ethylhexyl)phthalate, cyanide, polychlorinated biphenyls (PCBs) (Aroclor congeners), chlordane, DDD, DDE, DDT, dieldrin, toxaphene, and chlorpyrifos. These compounds were either not a required analyte or below the RL in all of the surface water/receiving water samples collected during Fourth Quarter 2010.

FACILITY CONTACT

If there are any questions regarding this DMR or its enclosures, you may contact Mr. Paul Costa at (818) 466-8778.

CERTIFICATION

I certify under penalty of law that this document and all appendices were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.

Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for a knowing violation.

Executed on the 11th of February 2011, at The Boeing Company, Santa Susana Site.

Sincerely,

Tom Gallacher
Director
Santa Susana Field Laboratory
Environment, Health and Safety

LB:mmc

Figure: 1 Storm Water Drainage System and Outfall Locations

Appendices:
- A Fourth Quarter 2010 Rainfall Data Summary
- B Fourth Quarter 2010 Liquid Waste Shipment Summary Tables
- C Fourth Quarter 2010 Summary Tables, Discharge Monitoring Data
- D Fourth Quarter 2010 Radiological Monitoring Data
- E Fourth Quarter 2010 Summary of Permit Limit Exceedances
- F Fourth Quarter 2010 Reasonable Potential Analysis (RPA) Summary Tables
- G Fourth Quarter 2010 Analytical Laboratory Reports, Chain-of-Custody, and Validation Reports

cc: Ms. Cassandra Owens, Regional Water Quality Control Board
Mr. Rick Brausch, Department of Toxic Substances Control
Mr. Gerard Abrams, Department of Toxic Substances Control
Mr. Robert Marshall, California State University – Northridge, Library
Mr. Gabriel Lundeen, Simi Valley Library
Ms. Lynn Light, Platt Branch, Los Angeles Library

SHEA-

References Cited:

Flow Science, 2006. Potential Background Constituent Levels in Storm Water at Boeing's Santa Susana Field Laboratory. February 23.

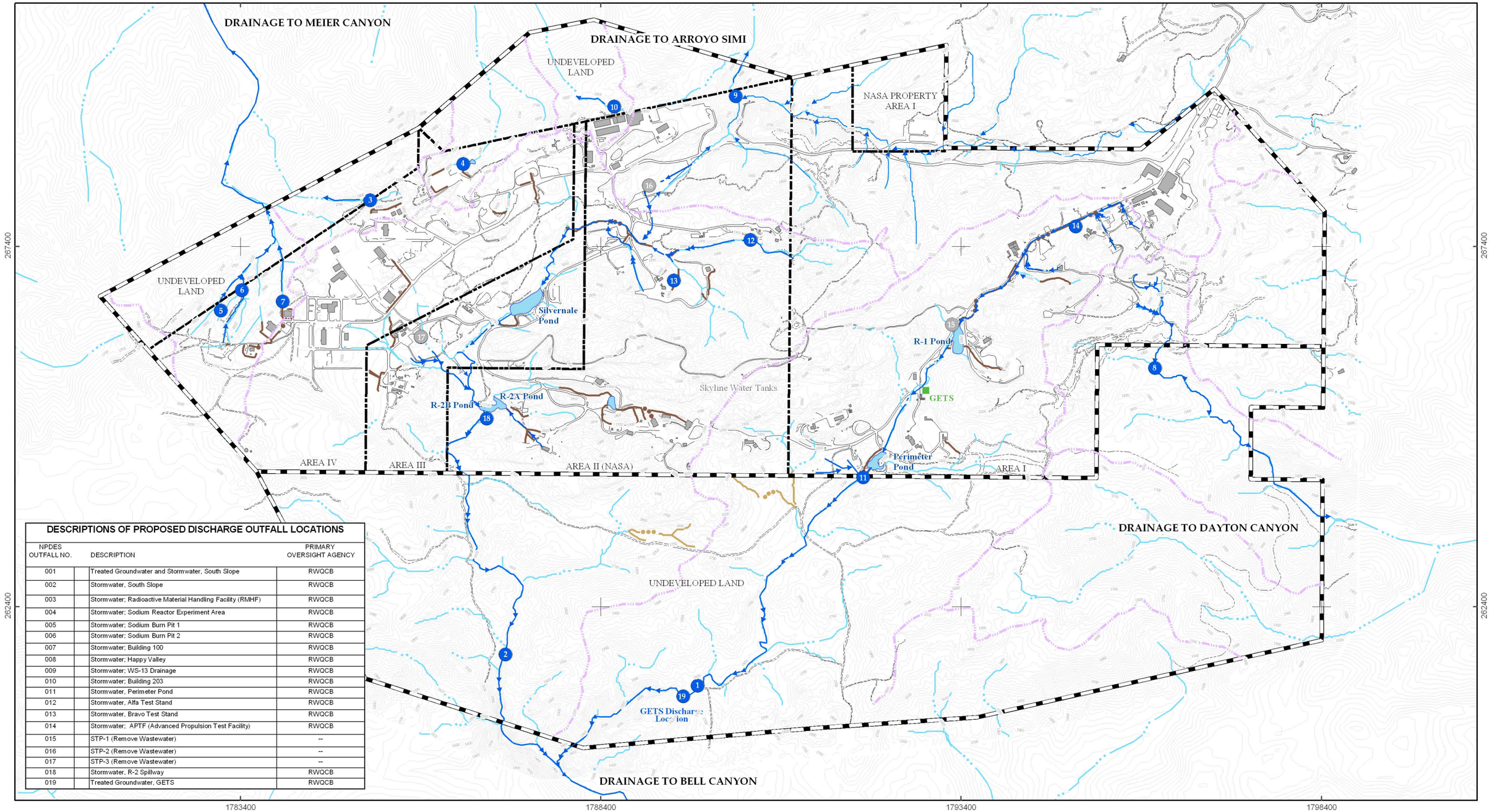
MWH. 2005. Standardized Risk Assessment Methodology (SRAM) Work Plan – Revision 2 Final, Santa Susana Field Laboratory, Ventura County, California. September.

MWH and Flow Science, 2006. Reasonable Potential Analysis Methodology Technical Memo- Version 1, Final, Santa Susana Field Laboratory, Ventura County, California. April 28.

USEPA, 2000. Exposure and Human Health Reassessment of 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD) and Related Compounds. Part I: Estimating Exposure to Dioxin-Like Compounds. Volume 3: Properties, Environmental Levels, and Background Exposures. Draft. EPA/600/P-00/001Ac. Office of Research and Development, Washington, DC. March.

FIGURE 1

STORM WATER DRAINAGE SYSTEM AND OUTFALL LOCATIONS



DESCRIPTIONS OF PROPOSED DISCHARGE OUTFALL LOCATIONS

NPDES OUTFALL NO.	DESCRIPTION	PRIMARY OVERSIGHT AGENCY
001	Treated Groundwater and Stormwater, South Slope	RWQCB
002	Stormwater, South Slope	RWQCB
003	Stormwater; Radioactive Material Handling Facility (RMHF)	RWQCB
004	Stormwater; Sodium Reactor Experiment Area	RWQCB
005	Stormwater; Sodium Burn Pit 1	RWQCB
006	Stormwater; Sodium Burn Pit 2	RWQCB
007	Stormwater; Building 100	RWQCB
008	Stormwater; Happy Valley	RWQCB
009	Stormwater; WS-13 Drainage	RWQCB
010	Stormwater; Building 203	RWQCB
011	Stormwater, Perimeter Pond	RWQCB
012	Stormwater, Alfa Test Stand	RWQCB
013	Stormwater, Bravo Test Stand	RWQCB
014	Stormwater; APTF (Advanced Propulsion Test Facility)	RWQCB
015	STP-1 (Remove Wastewater)	--
016	STP-2 (Remove Wastewater)	--
017	STP-3 (Remove Wastewater)	--
018	Stormwater, R-2 Spillway	RWQCB
019	Treated Groundwater, GETS	RWQCB

0 500 1,000 2,000 Feet

MAP COORDINATES IN STATE PLANE, NAD 27, ZONE V

Legend

- NPDES Outfalls (RWQCB Primary Oversight Authority)
- Historical NPDES Outfalls
- Groundwater Extraction Treatment System (GETS)
- Effluent Pathways
- Surface Water Drainage Divide
- Natural Drainage
- Concrete Lined Drainage
- Graded Drainage
- Surface Water Reclamation Ponds

Base Map Legend

- SSFL Property Boundary
- Administrative Area Boundary
- Ground Elevation Contours
- Drainage Pathways
- A/C Curbing
- Dirt Road
- Existing Building or Structure

Site Map with Outfall Locations and Storm Water Drainage Systems

Date: April 12, 2010

File: \\Uspas1netapp1\dei\rocketdyne gis\MasterGISFiles SiteWideProjects\NPDES\NPDES_StorageWaterDrainage.mxd

MWH

FIGURE 1

APPENDIX A

FOURTH QUARTER 2010 RAINFALL DATA SUMMARY

TABLE A
DAILY RAINFALL SUMMARY

THE BOEING COMPANY
NPDES PERMIT NUMBER
CA0001309

Station: AREA4
Parameter: Rain
Month/Year: October 2010

HOUR OF THE DAY

DAY OF THE MONTH	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.04	0.00	0.01	0.00	0.07
6	0.01	0.04	0.02	0.13	0.18	0.09	0.04	0.10	0.06	0.03	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00
14	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00
15	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00p	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.04
18	0.00	0.01	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.16
19	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.31
20	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
21	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
22	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.02	0.01	0.06
25	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.02	0.37	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

INV = Negative under range, invalid hour
p = Power failure, invalid hour

TABLE A
DAILY RAINFALL SUMMARY

THE BOEING COMPANY
NPDES PERMIT NUMBER
CA0001309

Station: AREA4
Parameter: Rain
Month/Year: November 2010

HOUR OF THE DAY

DAY OF THE MONTH	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.06
8	0.05	0.02	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00D	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.05
20	0.03	0.01	0.05	0.02	0.01	0.03	0.15	0.03	0.05	0.01	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44
21	0.00	0.00	0.00	0.03	0.19	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.05
38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

D = Marked down, valid hour

TABLE A
DAILY RAINFALL SUMMARY

THE BOEING COMPANY
NPDES PERMIT NUMBER
CA0001309

Station: AREA4
Parameter: Rain
Month/Year: December 2010

HOUR OF THE DAY

DAY OF THE MONTH	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	0.08	0.08	0.01	0.09	0.08	0.01	0.41
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00p	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.02	0.01	0.03	0.03	0.02	0.03	0.04	0.01	0.01	0.01	0.01	0.02	0.04	0.03	0.36
18	0.01	0.00	0.04	0.01	0.05	0.06	0.02	0.03	0.04	0.04	0.02	0.01	0.02	0.09	0.10	0.20	0.08	0.17	0.16	0.24	0.14	0.11	0.08	0.07	1.79
19	0.06	0.09	0.09	0.11	0.10	0.05	0.05	0.06	0.11	0.04	0.04	0.28	0.26	0.37	0.13	0.03	0.05	0.04	0.07	0.05	0.06	0.08	0.11	0.05	2.38
20	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.04	0.06	0.05	0.06	0.07	0.12	0.06	0.11	0.07	0.02	0.02	0.00	0.01	0.01	0.00	0.03	0.04	0.79
21	0.06	0.05	0.01	0.02	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.08	0.26	0.07	0.64
22	0.01	0.10	0.02	0.02	0.16	0.11	0.18	0.04	0.03	0.02	0.16	0.19	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.22	0.09	0.05	0.06	0.11	0.55
26	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.06	0.08	0.10	0.10	0.06	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

p = Power failure, invalid hour

APPENDIX B

FOURTH QUARTER 2010 LIQUID WASTE SHIPMENTS SUMMARY TABLES

TABLE B-1
THE BOEING COMPANY

NPDES PERMIT CA0001309
LIQUID WASTE SHIPMENTS
October 2010

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
10/12/2010	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/12/2010	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/12/2010	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/19/2010	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/19/2010	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/19/2010	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/26/2010	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/26/2010	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/26/2010	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	

TABLE B-2
THE BOEING COMPANY

NPDES PERMIT CA0001309
LIQUID WASTE SHIPMENTS
November 2010

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
11/1/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	42760	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
11/2/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	43620	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
11/2/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	43420	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
11/2/2010	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/2/2010	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/2/2010	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/3/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	43600	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
11/3/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	43700	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
11/9/2010	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/9/2010	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/9/2010	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/16/2010	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/16/2010	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/16/2010	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/23/2010	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/23/2010	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	

TABLE B-2
THE BOEING COMPANY

NPDES PERMIT CA0001309
LIQUID WASTE SHIPMENTS
November 2010

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
11/23/2010	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/30/2010	NON-HAZARDOUS WASTE LIQUID (OUTFALL RINSE WATER)	40760	LBS.	SOUTHWEST PROCESSORS INC.	SOUTHWEST PROCESSORS INC.
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	4120 BANDINI BLVD. LOS ANGELES, CA 90058
11/30/2010	NON-HAZARDOUS WASTE LIQUID (OUTFALL RINSE WATER)	40740	LBS.	SOUTHWEST PROCESSORS INC.	SOUTHWEST PROCESSORS INC.
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	4120 BANDINI BLVD. LOS ANGELES, CA 90058
11/30/2010	NON-HAZARDOUS WASTE LIQUID (OUTFALL RINSE WATER)	42300	LBS.	SOUTHWEST PROCESSORS INC.	SOUTHWEST PROCESSORS INC.
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	4120 BANDINI BLVD. LOS ANGELES, CA 90058
11/30/2010	NON-HAZARDOUS WASTE LIQUID (OUTFALL RINSE WATER)	39220	LBS.	SOUTHWEST PROCESSORS INC.	SOUTHWEST PROCESSORS INC.
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	4120 BANDINI BLVD. LOS ANGELES, CA 90058
11/30/2010	NON-HAZARDOUS WASTE LIQUID (OUTFALL RINSE WATER)	14720	LBS.	SOUTHWEST PROCESSORS INC.	SOUTHWEST PROCESSORS INC.
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	4120 BANDINI BLVD. LOS ANGELES, CA 90058
11/30/2010	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/30/2010	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/30/2010	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	

TABLE B-3
THE BOEING COMPANY

NPDES PERMIT CA0001309
LIQUID WASTE SHIPMENTS
December 2010

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
12/3/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	43760	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
12/3/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	17480	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
12/7/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	42460	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
12/7/2010	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/7/2010	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/7/2010	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/8/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	43200	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
12/9/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	43800	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
12/10/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	43560	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
12/13/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	43400	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
12/13/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	43300	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
12/14/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	43040	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
12/14/2010	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/14/2010	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/14/2010	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/15/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	43160	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058

TABLE B-3
THE BOEING COMPANY

NPDES PERMIT CA0001309
LIQUID WASTE SHIPMENTS
December 2010

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
12/16/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	43300	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
12/17/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	43600	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
12/20/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	43280	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
12/21/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	43680	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
12/21/2010	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/21/2010	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/22/2010	NON-HAZARDOUS WASTE LIQUID (GETS GROUNDWATER)	43640	LBS.	MP ENVIRONMENTAL SERVICES	SOUTHWEST PROCESSORS INC.
				3400 MANOR STREET, BAKERSFIELD, CA 93308	4120 BANDINI BLVD. LOS ANGELES, CA 90058
12/22/2010	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/22/2010	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/22/2010	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/23/2010	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/23/2010	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/23/2010	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/27/2010	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/27/2010	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/28/2010	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	

TABLE B-3
THE BOEING COMPANY

NPDES PERMIT CA0001309
LIQUID WASTE SHIPMENTS
December 2010

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
12/28/2010	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/28/2010	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/29/2010	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/29/2010	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	

APPENDIX C

FOURTH QUARTER 2010 SUMMARY TABLES, DISCHARGE MONITORING DATA

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

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

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

*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)
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	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
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
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
MDL	method detection limit
MGD	million gallons per day
MHA*	Due to high level of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information.
mg/L	milligrams per liter
ml/L/hr	milliliters per liter per hour
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	picocurries per liter

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

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	(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
TU_c	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
#	Per ORDER NO. R4-2010-0090 page 23 Footnote 1. The effluent limitations for total suspended solids and settable solids are not applicable for discharges during wet weather. During wet weather flow, a discharge event is greater than 0.1 inches of rainfall in a 24-hour period. No more than one sample per week need be obtained during extended periods of rainfall or the discharge of collected stormwater. A storm event must be preceded by at least 72 hours of dry weather.
(4.0)3.1/-	Represents (Dry Weather Limit) Wet Weather Limit / Monthly Average Limit.

OUTFALL 001

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

October 1 through December 31, 2010

			12/19/2010-12/20/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Comp	3.2	*
Chloride	mg/L	150/-	Comp	3.8	*
Dissolved Oxygen	mg	-/-	Grab	0.35	*
Dissolved Oxygen	mg/L	-/-	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	65	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	0.93	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.93	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.6	*
Total Settleable Solids	ml/L	0.3/-	Grab	0.20	*
Sulfate	mg/L	300/-	Comp	5.7	*
Temperature	deg. F	86/-	Grab	51	*
Total Cyanide	ug/L	8.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	150	*
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	Comp	52	--
Turbidity	NTU	-/-	Comp	160	--
Volume Discharged	MGD	160/-	NA	0.06296	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Cadmium	ug/L	(4.0)3.1/-	Comp	0.25	Ja* (DNQ)
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Chromium	ug/L	16/-	ANR	ANR	ANR
Chromium VI	ug/L	16/-	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	7.2	*
Copper, dissolved	ug/L	-/-	Comp	3.4	*
Iron	mg/L	0.3/-	Comp	6.4	--
Iron, dissolved	mg/L	-/-	Comp	0.095	--
Lead	ug/L	5.2/-	Comp	3.5	*
Lead, dissolved	ug/L	-/-	Comp	0.39	Ja* (DNQ)
Manganese	ug/L	50/-	Comp	96	--

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 001

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

October 1 through December 31, 2010

			12/19/2010-12/20/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Manganese, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Mercury	ug/L	0.10/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/-	ANR	ANR	ANR
Selenium	ug/L	(5)8.2/-	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	4.1/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	-/-	Comp	26.6	--
Zinc, Dissolved	ug/L	-/-	Comp	18.1	J (DNQ)
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	0.5/-	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*
TPH					
EFH (C13 - C22)	ug/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/-	Comp	ND < 0.094	*

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 001

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

October 1 through December 31, 2010

			12/19/2010-12/20/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/-	Comp	ND < 0.19	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/-	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.6	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 001

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

October 1 through December 31, 2010

			12/19/2010-12/20/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	Grab	1.0	*
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/-	Comp	ND < 0.094	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10
is a dry discharge.

OUTFALL 001

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

October 1 through December 31, 2010

			12/19/2010-12/20/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/-	Comp	ND < 0.094	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 001

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

October 1 through December 31, 2010

			12/26/2010 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Comp	1.2	Ja* (DNQ)
Chloride	mg/L	150/-	Comp	5.9	*
Dissolved Oxygen	mg	-/-	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	Grab	10.31	*
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	130	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	0.070	Ja* (DNQ)
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	0.41	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.41	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.3	*
Total Settleable Solids	ml/L	0.3/-	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	8.5	*
Temperature	deg. F	86/-	Grab	48	*
Total Cyanide	ug/L	8.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	71	*
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	Comp	16	*
Turbidity	NTU	-/-	Comp	42	--
Volume Discharged	MGD	160/-	NA	0.043535	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Cadmium	ug/L	(4.0)3.1/-	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Chromium	ug/L	16/-	ANR	ANR	ANR
Chromium VI	ug/L	16/-	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	4.0	*
Copper, dissolved	ug/L	-/-	Comp	2.1	*
Iron	mg/L	0.3/-	Comp	1.8	--
Iron, dissolved	mg/L	-/-	Comp	0.23	--
Lead	ug/L	5.2/-	Comp	0.98	Ja* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Manganese	ug/L	50/-	Comp	28	--

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

[a]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 001

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

October 1 through December 31, 2010

			12/26/2010 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Manganese, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Mercury	ug/L	0.10/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/-	ANR	ANR	ANR
Selenium	ug/L	(5)8.2/-	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	4.1/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	-/-	Comp	11.3	J (DNQ)
Zinc, Dissolved	ug/L	-/-	Comp	ND < 6.00	U
ORGANICS					
Benzene	ug/L	-/-	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	0.5/-	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR
Vinyl Chloride	ug/L	-/-	ANR	ANR	ANR
TPH					
EFH (C13 - C22)	ug/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/-	Comp	ND < 0.0943	*

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

[a]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 001

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

October 1 through December 31, 2010

			12/26/2010 [a]		
ANALYTE	UNITS	Benchmark Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/-	Comp	ND < 0.189	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/-	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.60	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR

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

[a]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 001

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

October 1 through December 31, 2010

			12/26/2010 [a]		
ANALYTE	UNITS	Benchmark Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	Grab	1.0	*
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/-	Comp	ND < 0.0943	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR

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

[a] Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 001

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

October 1 through December 31, 2010

			12/26/2010 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/-	Comp	ND < 0.0943	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

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

[a]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 001 (South Slope below Perimeter Pond)

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

Sample Type: Composite

Sample Date December 19-20, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	4.20E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	2.80E-07	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	3.20E-07	5.00E-05	ND	U (B)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	2.50E-07	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	2.60E-07	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	6.40E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	1.00E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.30E-07	5.00E-05	1.30E-06	J (DNQ)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	1.20E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	6.10E-07	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	3.00E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	1.30E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	3.50E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	3.50E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	9.00E-08	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	1.10E-06	1.00E-04	1.90E-04	--		0.0001	0.01	**1.90E-10**
OCDF	5.20E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**1.90E-10**

TCDD TEQ BENCHMARK LIMIT = 2.80E-08

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

OUTFALL 001 (South Slope below Perimeter Pond)

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

Sample Type: Composite

Sample Date December 26, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	8.80E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	3.80E-07	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	4.80E-07	5.00E-05	ND	UJ (*III)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	4.00E-07	5.00E-05	6.30E-07	J (DNQ)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	7.00E-08	5.00E-05	ND	U (B)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	3.40E-07	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	8.00E-08	5.00E-05	ND	UJ (*III)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	4.90E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	9.00E-08	5.00E-05	ND	UJ (*III)		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	8.40E-07	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	5.00E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	7.00E-08	5.00E-05	7.40E-07	J (DNQ)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	5.90E-07	5.00E-05	1.80E-06	J (DNQ)		0.5	1.6	**ND**
2,3,7,8-TCDD	5.10E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	1.60E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	1.20E-03	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	8.20E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ BENCHMARK LIMIT = 2.80E-08

tions, definitions, and other explanations for the data presented in this table.

OUTFALL 001

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

October 1 through December 31, 2010

			12/19/2010-12/20/2010			12/26/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.06296		Meas	0.04354	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	1.68	*	Comp	0.44	Ja* (DNQ)
Chloride	LBS/DAY	200,160/-	Comp	2.00	*	Comp	2.14	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*	Comp	0.03	Ja* (DNQ)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.49	*	Comp	0.15	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.49	*	Comp	0.15	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*	Grab	ND	*
Perchlorate	LBS/DAY	8/-	Comp	ND	*	Comp	ND	*
Sulfate	LBS/DAY	400,320/-	Comp	2.99	*	Comp	3.09	*
Total Cyanide	LBS/DAY	11.3/5.7	Comp	ND	*	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	78.76	*	Comp	25.78	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	27.30	--	Comp	5.81	*
Cadmium	LBS/DAY	4.14/-	Comp	0.00	Ja* (DNQ)	Comp	ND	*
Copper	LBS/DAY	18.7/-	Comp	0.00	*	Comp	0.00	*
Iron	LBS/DAY	400/-	Comp	3.36	--	Comp	0.65	--
Lead	LBS/DAY	6.94/-	Comp	0.00	*	Comp	0.00	Ja* (DNQ)
Manganese	LBS/DAY	66.7/-	Comp	0.05	--	Comp	0.01	--
Mercury	LBS/DAY	0.13/-	Comp	ND	U	Comp	ND	U
Selenium	LBS/DAY	10.9/-	Comp	ND	*	Comp	ND	*
Zinc	LBS/DAY	159/-	Comp	0.01	--	Comp	0.00	J (DNQ)
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8/-	Grab	ND	*	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	*	Comp	ND	*

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

OUTFALL 001

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

October 1 through December 31, 2010

			12/19/2010-12/20/2010			12/26/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.06296		Meas	0.04354	
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	*	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	*	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	21.8/-	Comp	ND	*	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	*	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.7E-08/-	Comp	9.98E-14	--	Comp	ND	--

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

OUTFALL 002 (South Slope below R-2 Pond)

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

October 1 through December 31, 2010

			12/19/2010-12/20/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Comp	2.6	*
Chloride	mg/L	150/-	Comp	8.2	*
Dissolved Oxygen	mg	-/-	Grab	0.34	*
Dissolved Oxygen	mg/L	-/-	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	110	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	0.052	J* (DNQ)
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	1.2	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	1.2	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	2.2	J (DNQ, *III)
pH (Field)	pH units	6.5-8.5/-	Grab	7.7	*
Total Settleable Solids	ml/L	0.3/-	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	35	*
Temperature	deg. F	86/-	Grab	57	*
Total Cyanide	ug/L	8.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	210	*
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	Comp	22	*
Turbidity	NTU	-/-	Comp	75	--
Volume Discharged	MGD	160/-	NA	0.10822	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Cadmium	ug/L	(4.0)3.1/-	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Chromium	ug/L	16/-	ANR	ANR	ANR
Chromium VI	ug/L	16/-	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	4.52	*
Copper, dissolved	ug/L	-/-	Comp	2.91	*
Iron	mg/L	0.3/-	Comp	2.7	--

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 002 (South Slope below R-2 Pond)

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

October 1 through December 31, 2010

			12/19/2010-12/20/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Iron, dissolved	mg/L	-/-	Comp	0.067	--
Lead	ug/L	5.2/-	Comp	1.7	*
Lead, dissolved	ug/L	-/-	Comp	0.39	J* (DNQ)
Manganese	ug/L	50/-	Comp	43	--
Manganese, dissolved	ug/L	-/-	Comp	42	--
Mercury	ug/L	0.10/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/-	ANR	ANR	ANR
Selenium	ug/L	(5)8.2/-	Comp	0.52	J* (DNQ)
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	4.1/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	-/-	Comp	15.3	J (DNQ)
Zinc, Dissolved	ug/L	-/-	Comp	17.6	J (DNQ)
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	0.5/-	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*
TPH					
EFH (C13 - C22)	ug/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 002 (South Slope below R-2 Pond)

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

October 1 through December 31, 2010

			12/19/2010-12/20/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/-	Comp	ND < 0.0943	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/-	Comp	ND < 0.189	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/-	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10
is a dry discharge.

OUTFALL 002 (South Slope below R-2 Pond)

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

October 1 through December 31, 2010

			12/19/2010-12/20/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.60	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	Grab	1.0	*
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 002 (South Slope below R-2 Pond)

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

October 1 through December 31, 2010

			12/19/2010-12/20/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/-	Comp	ND < 0.0943	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/-	Comp	ND < 0.0943	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 002 (South Slope below R-2 Pond)

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

October 1 through December 31, 2010

			12/26/2010 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.50	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Comp	1.0	Ja* (DNQ)
Chloride	mg/L	150/-	Comp	18	*
Dissolved Oxygen	mg	-/-	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	Grab	10.59	*
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	460	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	0.078	Ja* (DNQ)
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	0.32	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.32	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.7	*
Total Settleable Solids	ml/L	0.3/-	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	81	*
Temperature	deg. F	86/-	Grab	50	*
Total Cyanide	ug/L	8.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	220	*
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	Comp	6.0	Ja* (DNQ)
Turbidity	NTU	-/-	Comp	6.0	--
Volume Discharged	MGD	160/-	NA	1.090655	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Cadmium	ug/L	(4.0)3.1/-	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Chromium	ug/L	16/-	ANR	ANR	ANR
Chromium VI	ug/L	16/-	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	2.4	*
Copper, dissolved	ug/L	-/-	Comp	1.6	Ja* (DNQ)
Iron	mg/L	0.3/-	Comp	0.24	*

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

[a] Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 002 (South Slope below R-2 Pond)

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

October 1 through December 31, 2010

			12/26/2010 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Iron, dissolved	mg/L	-/-	Comp	0.027	Ja* (DNQ)
Lead	ug/L	5.2/-	Comp	ND < 0.20	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Manganese	ug/L	50/-	Comp	8.1	Ja* (DNQ)
Manganese, dissolved	ug/L	-/-	Comp	ND < 7.0	*
Mercury	ug/L	0.10/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/-	ANR	ANR	ANR
Selenium	ug/L	(5)8.2/-	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	4.1/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	-/-	Comp	8.54	Ja* (DNQ)
Zinc, Dissolved	ug/L	-/-	Comp	7.31	Ja* (DNQ)
ORGANICS					
Benzene	ug/L	-/-	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	0.5/-	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
Trichloroethene	ug/L	5.0/-	Grab	0.48	Ja* (DNQ)
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR
Vinyl Chloride	ug/L	-/-	ANR	ANR	ANR
TPH					
EFH (C13 - C22)	ug/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					

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

[a] Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 002 (South Slope below R-2 Pond)

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

October 1 through December 31, 2010

			12/26/2010 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/-	Comp	ND < 0.0943	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/-	Comp	ND < 0.189	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/-	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR

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

[a] Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 002 (South Slope below R-2 Pond)

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

October 1 through December 31, 2010

			12/26/2010 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.60	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	Grab	1.0	*
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR

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

[a]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 002 (South Slope below R-2 Pond)

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

October 1 through December 31, 2010

			12/26/2010 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/-	Comp	ND < 0.0943	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/-	Comp	ND < 0.0943	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

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

[a]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 002 (South Slope below R-2 Pond)

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

October 1 through December 31, 2010

			12/29/2010-12/30/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	Grab	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Grab	1.3	Ja* (DNQ)
Chloride	mg/L	150/-	Grab	25	*
Dissolved Oxygen	mg	-/-	Grab	0.47	*
Dissolved Oxygen	mg/L	-/-	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	660	--
Surfactants (MBAS)	mg/L	0.5/-	Grab	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Grab	ND < 0.15	*
Nitrate as Nitrogen (N)	mg/L	8/-	Grab	0.11	*
Nitrite-N	mg/L	1/-	Grab	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	--
Perchlorate	ug/L	6.0/-	Grab	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.7	*
Total Settleable Solids	ml/L	0.3/-	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Grab	120	*
Temperature	deg. F	86/-	Grab	50	*
Total Cyanide	ug/L	8.5/-	Grab	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Grab	390	*
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	Grab	ND < 1.0	*
Turbidity	NTU	-/-	Grab	0.85	J (DNQ)
Volume Discharged	MGD	160/-	NA	0.05215	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Cadmium	ug/L	(4.0)3.1/-	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Grab	ND < 0.10	*
Chromium	ug/L	16/-	ANR	ANR	ANR
Chromium VI	ug/L	16/-	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	2.0	*
Copper, dissolved	ug/L	-/-	Grab	1.7	Ja* (DNQ)
Iron	mg/L	0.3/-	Comp	0.071	*

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 002 (South Slope below R-2 Pond)

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

October 1 through December 31, 2010

			12/29/2010-12/30/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Iron, dissolved	mg/L	-/-	Grab	ND < 0.015	*
Lead	ug/L	5.2/-	Comp	ND < 0.20	*
Lead, dissolved	ug/L	-/-	Grab	ND < 0.20	*
Manganese	ug/L	50/-	Comp	ND < 7.0	*
Manganese, dissolved	ug/L	-/-	Grab	ND < 7.0	*
Mercury	ug/L	0.10/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Grab	ND < 0.10	U
Nickel	ug/L	96/-	ANR	ANR	ANR
Selenium	ug/L	(5)8.2/-	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Grab	ND < 0.50	*
Silver	ug/L	4.1/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	-/-	Comp	ND < 6.00	*
Zinc, Dissolved	ug/L	-/-	Grab	ND < 6.00	*
ORGANICS					
Benzene	ug/L	-/-	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	0.5/-	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR
Vinyl Chloride	ug/L	-/-	ANR	ANR	ANR
TPH					
EFH (C13 - C22)	ug/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 002 (South Slope below R-2 Pond)

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

October 1 through December 31, 2010

			12/29/2010-12/30/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/-	Grab	ND < 0.0952	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/-	Grab	ND < 0.190	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/-	Grab	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10
is a dry discharge.

OUTFALL 002 (South Slope below R-2 Pond)

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

October 1 through December 31, 2010

			12/29/2010-12/30/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Grab	ND < 1.62	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 002 (South Slope below R-2 Pond)

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

October 1 through December 31, 2010

			12/29/2010-12/30/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/-	Grab	ND < 0.0952	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/-	Grab	ND < 0.0952	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 002 (South Slope below R-2 Pond)

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

Sample Type: Composite

Sample Date December 19-20, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1.60E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	4.60E-07	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	5.80E-07	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	3.60E-07	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	1.10E-07	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	3.10E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	1.00E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	3.10E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	9.00E-08	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	6.30E-07	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	2.70E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	1.10E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	3.40E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	4.80E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	2.90E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	1.80E-07	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	6.20E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ BENCHMARK 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)

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

Sample Type: Composite

Sample Date December 26, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	3.40E-07	5.00E-05	5.10E-06	J (DNQ)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	3.20E-07	5.00E-05	ND	UJ (*III)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	4.50E-07	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	6.40E-07	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	5.10E-07	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	3.20E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	2.70E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	3.30E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	3.40E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.10E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	8.30E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	2.60E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	9.40E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	7.90E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	4.80E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	9.30E-07	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	5.80E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**3.49E-09**

TCDD TEQ BENCHMARK 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)

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

Sample Type: Composite

Sample Date December 29-30, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	6.40E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	4.20E-07	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	5.70E-07	5.00E-05	ND	UJ (*III)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	4.30E-07	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	2.90E-07	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	3.80E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	2.50E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	4.30E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	3.20E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.10E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	3.60E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	2.60E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	3.90E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	5.70E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	7.00E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	1.10E-06	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	5.30E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ BENCHMARK 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)

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

October 1 through December 31, 2010

			12/19/2010-12/20/2010			12/26/2010			12/29/2010-12/30/2010		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.1082		Meas	1.09066		Meas	0.0522	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*	Comp	ND	*	Grab	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	2.35	*	Comp	9.10	Ja* (DNQ)	Grab	0.57	Ja* (DNQ)
Chloride	LBS/DAY	200,160/-	Comp	7.40	*	Comp	163.73	*	Grab	10.87	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	0.05	J* (DNQ)	Comp	0.71	Ja* (DNQ)	Grab	ND	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	1.08	*	Comp	2.91	*	Grab	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	1.08	*	Comp	2.91	*	Grab	0.05	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*	Comp	ND	*	Grab	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*	Grab	ND	*	Grab	ND	--
Perchlorate	LBS/DAY	8/-	Comp	0.00	J (DNQ, *III)	Comp	ND	*	Grab	ND	*
Sulfate	LBS/DAY	400,320/-	Comp	31.59	*	Comp	736.78	*	Grab	52.19	*
Total Cyanide	LBS/DAY	11.3/-	Comp	ND	*	Comp	ND	*	Grab	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	189.54	*	Comp	2001.13	*	Grab	169.62	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	19.86	*	Comp	54.58	Ja* (DNQ)	Grab	ND	*
Cadmium	LBS/DAY	4.14/-	Comp	ND	*	Comp	ND	*	Comp	ND	*
Copper	LBS/DAY	18.7/-	Comp	0.00	*	Comp	0.02	*	Comp	0.00	*
Iron	LBS/DAY	400/-	Comp	2.44	--	Comp	2.18	*	Comp	0.03	*
Lead	LBS/DAY	6.94/-	Comp	0.00	*	Comp	ND	*	Comp	ND	*
Manganese	LBS/DAY	66.7/-	Comp	0.04	--	Comp	0.07	Ja* (DNQ)	Comp	ND	*
Mercury	LBS/DAY	0.13/-	Comp	ND	U	Comp	ND	U	Comp	ND	U
Selenium	LBS/DAY	10.9/-	Comp	0.00	J* (DNQ)	Comp	ND	*	Comp	ND	*
Zinc	LBS/DAY	159/-	Comp	0.01	J (DNQ)	Comp	0.08	Ja* (DNQ)	Comp	ND	*
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*	Grab	ND	*	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8/-	Grab	ND	*	Grab	ND	*	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*	Grab	0.00	Ja* (DNQ)	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	*	Comp	ND	*	Grab	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	*	Comp	ND	*	Grab	ND	*
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	*	Comp	ND	*	Grab	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*	Comp	ND	*	Grab	ND	*
n-Nitrosodimethylamine	LBS/DAY	21.8/-	Comp	ND	*	Comp	ND	*	Grab	ND	*
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	*	Comp	ND	*	Grab	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.7E-08/-	Comp	ND	--	Comp	3.17E-11	--	Comp	ND	*

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

OUTFALL 006 (FSDF-2)

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

October 1 through December 31, 2010

			12/20/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Chloride	mg/L	150/-	Comp	79	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	0.42	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.6	*
Sulfate	mg/L	250/-	Comp	18	*
Temperature	deg. F	86/-	Grab	48	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	Comp	280	*
Total Suspended Solids	mg/L	-/-	Comp	29	--
Volume Discharged	MGD	17.8/-	NA	0.03053	*
METALS					
Aluminum	ug/L	-/-	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	0.44	J* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	0.60	J* (DNQ)
Arsenic	ug/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Chromium	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	2.55	*
Copper, dissolved	ug/L	-/-	Comp	0.969	J* (DNQ)
Iron	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	1.6	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	100/-	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR
ORGANICS					
Benzene	ug/L	-/-	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 006 (FSDF-2)

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

October 1 through December 31, 2010

			12/20/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 006 (FSDF-2)

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

October 1 through December 31, 2010

			12/20/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	Grab	1.0	*
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 006 (FSDF-2)

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

October 1 through December 31, 2010

			12/20/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 006 (FSDF-2)

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

October 1 through December 31, 2010

			12/26/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Chloride	mg/L	150/-	Comp	5.4	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	1.2	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.4	*
Sulfate	mg/L	250/-	Comp	4.7	*
Temperature	deg. F	86/-	Grab	50	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	Comp	120	*
Total Suspended Solids	mg/L	-/-	Comp	4.0	J (DNQ)
Volume Discharged	MGD	17.8/-	NA	0.025875	*
METALS					
Aluminum	ug/L	-/-	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	0.34	Ja* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	0.32	Ja* (DNQ)
Arsenic	ug/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Chromium	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	2.98	*
Copper, dissolved	ug/L	-/-	Comp	1.14	Ja* (DNQ)
Iron	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	0.88	Ja* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	100/-	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR
ORGANICS					
Benzene	ug/L	-/-	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 006 (FSDF-2)

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

October 1 through December 31, 2010

			12/26/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 006 (FSDF-2)

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

October 1 through December 31, 2010

			12/26/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	Grab	1.0	*
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 006 (FSDF-2)

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

October 1 through December 31, 2010

			12/26/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 006 (FSDF-2)

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

Sample Type: Composite

Sample Date December 20, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	2.90E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	5.00E-07	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	6.40E-07	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	8.80E-07	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	5.80E-07	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	4.40E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	3.90E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	7.20E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	4.20E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	5.20E-07	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	2.50E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	4.60E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	4.00E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	7.20E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	1.90E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	1.50E-07	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	5.10E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

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)

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

Sample Type: Composite

Sample Date December 26, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1.20E-04	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	6.40E-07	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	8.00E-07	5.00E-05	3.60E-06	J (DNQ)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	1.00E-07	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	3.40E-07	5.00E-05	ND	U (B)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	9.00E-08	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	3.40E-07	5.00E-05	ND	UJ (*III)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	8.00E-08	5.00E-05	ND	U (B)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	3.60E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	8.40E-07	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	8.40E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	3.20E-07	5.00E-05	1.90E-06	J (DNQ)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	7.30E-07	5.00E-05	7.40E-06	J (DNQ)		0.5	1.6	**ND**
2,3,7,8-TCDD	4.00E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	1.80E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	5.70E-06	1.00E-04	2.80E-03	J (L)		0.0001	0.01	**2.80E-09**
OCDF	1.10E-06	1.00E-04	1.40E-04	--		0.0001	0.02	**2.80E-10**

TCDD TEQ w/out DNQ Values	**3.08E-09**

TCDD TEQ PERMIT LIMIT = 2.80E-08

tions, definitions, and other explanations for the data presented in this table.

OUTFALL 006 (FSDF-2)

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

October 1 through December 31, 2010

			12/20/2010			12/26/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	17.8	Meas	0.03053		Meas	0.025875	
Chloride	LBS/DAY	22,268/-	Comp	20.11	*	Comp	1.17	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	Comp	0.11	*	Comp	0.26	*
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*	Grab	ND	*
Perchlorate	LBS/DAY	0.89/-	Comp	ND	*	Comp	ND	*
Sulfate	LBS/DAY	37,113/-	Comp	4.58	*	Comp	1.01	*
Total Cyanide	LBS/DAY	1.4/-	Comp	ND	*	Comp	ND	*
Total Dissolved Solids	LBS/DAY	126,184/-	Comp	71.29	*	Comp	25.90	*
Antimony	LBS/DAY	0.89/-	Comp	0.0001	J* (DNQ)	Comp	0.00007	Ja* (DNQ)
Copper	LBS/DAY	2.08/-	Comp	0.0006	*	Comp	0.0006	*
Lead	LBS/DAY	0.77/-	Comp	0.0004	*	Comp	0.0002	Ja* (DNQ)
Mercury	LBS/DAY	0.02/-	Comp	ND	U	Comp	ND	U
Thallium	LBS/DAY	0.3/-	Comp	ND	*	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	4.2E-09/-	Comp	ND	--	Comp	6.65E-13	--

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

OUTFALL 008 (Happy Valley Drainage)

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

October 1 through December 31, 2010

			12/19/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.500	*
Chloride	mg/L	150/-	Comp	17	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	0.52	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.52	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	1.9	J (DNQ)
pH (Field)	pH units	6.5-8.5/-	Grab	7.3	*
Sulfate	mg/L	300/-	Comp	8.0	*
Temperature	deg. F	86/-	Grab	53	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	220	*
Total Suspended Solids	mg/L	-/-	Comp	150	--
Volume Discharged	MGD	17.8/-	NA	0.16158	*
METALS					
Aluminum	ug/L	-/-	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	ND < 0.30	U
Antimony, dissolved	ug/L	-/-	Comp	ND < 0.30	U
Arsenic	ug/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR
Cadmium	ug/L	(4.0)3.1/-	Comp	0.12	J (DNQ)
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Chromium	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	9.07	--
Copper, dissolved	ug/L	-/-	Comp	2.60	--
Iron	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	6.7	--
Lead, dissolved	ug/L	-/-	Comp	0.32	J (DNQ)
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	100/-	ANR	ANR	ANR
Selenium	ug/L	5/-	Comp	ND < 0.50	U
Selenium, dissolved	ug/L	-/-	Comp	0.50	J (DNQ)
Silver	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	Comp	ND < 0.20	U
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	U
Vanadium	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	-/-	Comp	43.5	--
Zinc, Dissolved	ug/L	-/-	Comp	7.88	J (DNQ)
ORGANICS					
Benzene	ug/L	-/-	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 008 (Happy Valley Drainage)

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

October 1 through December 31, 2010

			12/19/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 008 (Happy Valley Drainage)

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

October 1 through December 31, 2010

			12/19/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	Grab	1.0	*
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 008 (Happy Valley Drainage)

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

October 1 through December 31, 2010

			12/19/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 008 (Happy Valley Drainage)

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

October 1 through December 31, 2010

		12/26/2010[(a)]			12/29/2010-12/30/2010		
ANALYTE	**UNITS**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	Comp	ND < 0.500	*	Comp	ND < 0.50	*
Chloride	mg/L	Comp	13	*	Comp	16	*
Fluoride	mg/L	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	Comp	0.73	*	Comp	0.79	*
Nitrate as Nitrogen (N)	mg/L	Comp	0.73	*	Comp	0.79	*
Nitrite-N	mg/L	Comp	ND < 0.090	*	Comp	ND < 0.090	*
Oil & Grease	mg/L	Grab	ND < 1.3	*	Grab	ND < 1.4	*
Perchlorate	ug/L	Comp	0.90	J (DNQ, *III)	Comp	ND < 0.90	*
pH (Field)	pH units	Grab	7.3	*	Grab	7.6	*
Sulfate	mg/L	Comp	11	*	Comp	15	*
Temperature	deg. F	Grab	48	*	Grab	49	*
Total Cyanide	ug/L	Comp	ND < 2.2	*	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	Comp	180	*	Comp	200	*
Total Suspended Solids	mg/L	Comp	14	--	Comp	12	--
Volume Discharged	MGD	NA	0.04675	*	NA	0.027255	*
METALS							
Aluminum	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Antimony	ug/L	Comp	ND < 0.30	*	Comp	ND < 0.30	*
Antimony, dissolved	ug/L	Comp	ND < 0.30	*	Comp	ND < 0.30	*
Arsenic	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Chromium	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	Comp	3.48	*	Comp	2.69	*
Copper, dissolved	ug/L	Comp	1.82	Ja* (DNQ)	Comp	2.03	*
Iron	mg/L	ANR	ANR	ANR	ANR	ANR	ANR
Lead	ug/L	Comp	1.0	*	Comp	0.87	Ja* (DNQ)
Lead, dissolved	ug/L	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Mercury	ug/L	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Nickel	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	Comp	ND < 0.50	*	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	Comp	ND < 0.50	*	Comp	ND < 0.50	*
Silver	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	ug/L	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Vanadium	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	ug/L	Comp	15.7	Ja* (DNQ)	Comp	11.8	Ja* (DNQ)
Zinc, Dissolved	ug/L	Comp	7.03	Ja* (DNQ)	Comp	ND < 6.00	*
ORGANICS							
Benzene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Chloroform	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	ANR	ANR	ANR	ANR	ANR	ANR

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 008 (Happy Valley Drainage)

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

October 1 through December 31, 2010

		12/26/2010[(a)]			12/29/2010-12/30/2010		
ANALYTE	**UNITS**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,2-Dichloroethane	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Toluene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Vinyl chloride	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES							
1,1,2,2-Tetrachloroethane	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Acrolein	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	ANR	ANR	ANR	ANR	ANR	ANR
Aldrin	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Anthracene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	ANR	ANR	ANR	ANR	ANR	ANR

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 008 (Happy Valley Drainage)

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

October 1 through December 31, 2010

		12/26/2010[(a)]			12/29/2010-12/30/2010		
ANALYTE	UNITS	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Aroclor-1232	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Benzidine	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
beta-BHC	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Bromoform	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Bromomethane	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Chloroethane	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Chloromethane	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	Grab	1.0	*	ANR	ANR	ANR
Chrysene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Endrin	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Fluorene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 008 (Happy Valley Drainage)

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

October 1 through December 31, 2010

		12/26/2010[(a)]			12/29/2010-12/30/2010		
ANALYTE	UNITS	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Hexachloroethane	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Isophorone	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Phenanthrene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	ANR	ANR	ANR	ANR	ANR	ANR

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

[(a)]Based on peak LA River flow, sampling event on 12/26/10 is a dry discharge.

OUTFALL 008 (Happy Valley Drainage)

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

Sample Type: Composite

Sample Date December 19, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1.20E-07	1.10E-07	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	3.10E-07	3.00E-07	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	3.70E-07	3.60E-07	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	5.10E-07	5.10E-07	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	2.50E-07	2.40E-07	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	1.20E-06	1.20E-06	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	7.30E-07	7.20E-07	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.00E-06	9.90E-07	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	4.40E-07	4.40E-07	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	6.80E-07	6.70E-07	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	8.00E-07	7.90E-07	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	5.50E-07	5.50E-07	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	5.40E-07	5.30E-07	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	3.70E-07	3.70E-07	ND	U		1	1	**ND**
2,3,7,8-TCDF	5.40E-07	5.40E-07	ND	U		0.1	0.8	**ND**
OCDD	6.50E-07	6.40E-07	ND	U (B)		0.0001	0.01	**ND**
OCDF	3.20E-07	3.10E-07	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 008 (Happy Valley Drainage)

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

Sample Type: Composite

Sample Date December 26, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	4.90E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	8.00E-08	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	1.10E-07	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	4.50E-07	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	7.10E-07	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	5.40E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	1.20E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	5.60E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	2.00E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	8.20E-07	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	5.30E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	1.10E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	6.00E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	6.90E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	4.20E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	2.40E-07	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	7.10E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 008 (Happy Valley Drainage)

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

Sample Type: Composite

Sample Date December 29-30, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	8.40E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	3.40E-07	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	4.50E-07	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	7.70E-07	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	3.10E-07	5.00E-05	ND	UJ (*III)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	3.80E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	2.90E-07	5.00E-05	ND	UJ (*III)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	3.90E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	3.40E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	7.70E-07	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	3.10E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	2.80E-07	5.00E-05	ND	UJ (*III)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	3.30E-07	5.00E-05	ND	UJ (*III)		0.5	1.6	**ND**
2,3,7,8-TCDD	4.30E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	4.00E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	1.80E-06	1.00E-04	8.40E-05	J, B* (DNQ)		0.0001	0.01	**ND**
OCDF	5.70E-07	1.00E-04	6.60E-06	J, B* (DNQ)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 008 (Happy Valley Drainage)

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

October 1 through December 31, 2010

			12/19/2010			12/26/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	17.8	Meas	0.16158		Meas	0.04675	
Ammonia as Nitrogen (N)	LBS/DAY	1,500/-	Comp	ND	*	Comp	ND	*
Chloride	LBS/DAY	22,268/-	Comp	22.91	*	Comp	5.07	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,188/-	Comp	0.70	*	Comp	0.28	*
Nitrate as Nitrogen (N)	LBS/DAY	1,190/-	Comp	0.70	*	Comp	0.28	*
Nitrite-N	LBS/DAY	148/-	Comp	ND	*	Comp	ND	*
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*	Grab	ND	*
Perchlorate	LBS/DAY	0.89/-	Comp	0.00	J (DNQ)	Comp	0.00	J (DNQ, *III)
Sulfate	LBS/DAY	44,536/-	Comp	10.78	*	Comp	4.29	*
Total Cyanide	LBS/DAY	1.4/-	Comp	ND	*	Comp	ND	*
Total Dissolved Solids	LBS/DAY	141,029/-	Comp	296.47	*	Comp	70.18	*
Antimony	LBS/DAY	0.89/-	Comp	ND	U	Comp	ND	*
Cadmium	LBS/DAY	0.46/-	Comp	0.0002	J (DNQ)	Comp	ND	*
Copper	LBS/DAY	2.08/-	Comp	0.01	--	Comp	0.0014	*
Lead	LBS/DAY	0.77/-	Comp	0.01	--	Comp	0.0004	*
Mercury	LBS/DAY	0.02/-	Comp	ND	U	Comp	ND	U
Selenium	LBS/DAY	0.7/-	Comp	ND	U	Comp	ND	*
Thallium	LBS/DAY	0.3/-	Comp	ND	U	Comp	ND	*
Zinc	LBS/DAY	23.6/-	Comp	0.06	--	Comp	0.01	Ja* (DNQ)
TCDD TEQ_NoDNQ	LBS/DAY	4.2E-09/-	Comp	ND	--	Comp	ND	--

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

OUTFALL 008 (Happy Valley Drainage)

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

October 1 through December 31, 2010

			12/29/2010-12/30/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	17.8	Meas	0.027255	
Ammonia as Nitrogen (N)	LBS/DAY	1,500/-	Comp	ND	*
Chloride	LBS/DAY	22,268/-	Comp	3.64	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,188/-	Comp	0.18	*
Nitrate as Nitrogen (N)	LBS/DAY	1,190/-	Comp	0.18	*
Nitrite-N	LBS/DAY	148/-	Comp	ND	*
Oil & Grease	LBS/DAY	2,227/-	ANR	ANR	ANR
Perchlorate	LBS/DAY	0.89/-	Comp	ND	*
Sulfate	LBS/DAY	44,536/-	Comp	3.41	*
Total Cyanide	LBS/DAY	1.4/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	141,029/-	Comp	45.46	*
Antimony	LBS/DAY	0.89/-	Comp	ND	*
Cadmium	LBS/DAY	0.46/-	Comp	ND	*
Copper	LBS/DAY	2.08/-	Comp	0.0006	*
Lead	LBS/DAY	0.77/-	Comp	0.0002	Ja* (DNQ)
Mercury	LBS/DAY	0.02/-	Comp	ND	U
Selenium	LBS/DAY	0.7/-	Comp	ND	*
Thallium	LBS/DAY	0.3/-	Comp	ND	*
Zinc	LBS/DAY	23.6/-	Comp	0.0027	Ja* (DNQ)
TCDD TEQ_NoDNQ	LBS/DAY	4.2E-09/-	Comp	ND	--

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			10/6/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Asbestos	MFL	-/-	Grab	ND <0.4	*
Chloride	mg/L	150/-	Comp	2.0	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	0.77	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.8	*
Sulfate	mg/L	250/-	Comp	3.2	*
Temperature	deg. F	86/-	Grab	58	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	Comp	27	*
Total Suspended Solids	mg/L	-/-	Comp	56	--
Volume Discharged	MGD	17.8/-	NA	0.15525	ANR
METALS					
Aluminum	ug/L	-/-	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	0.73	J (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	ND < 2.0	UJ (B)
Arsenic	ug/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	Comp	0.18	J (DNQ)
Cadmium, dissolved	ug/L	-/-	Comp	0.11	J (DNQ)
Chromium	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	9.6	--
Copper, dissolved	ug/L	-/-	Comp	7.1	J (C)
Iron	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	11	--
Lead, dissolved	ug/L	-/-	Comp	7.1	--
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	100/-	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	Comp	ND < 0.20	U
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	U
Vanadium	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR
ORGANICS					
Benzene	ug/L	-/-	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			10/6/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			10/6/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	Comp	1.0	*
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			10/20/2010			11/20/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Asbestos	MFL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloride	mg/L	150/-	Comp	2.9	*	Grab	1.5	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	1.1	*	Grab	0.46	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.4	*	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	Grab	7.0	*	Grab	8.0	*
Sulfate	mg/L	250/-	Comp	7.3	*	Grab	3.5	*
Temperature	deg. F	86/-	Grab	58.1	*	Grab	51	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*	Grab	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	Comp	120	*	Grab	120	*
Total Suspended Solids	mg/L	-/-	Comp	22	--	Grab	6.0	J (DNQ)
Volume Discharged	MGD	17.8/-	NA	0.037955	*	NA	0.0073	*
METALS								
Aluminum	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	0.50	Ja* (DNQ)	Grab	0.48	Ja* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	0.50	Ja* (DNQ)	Grab	0.48	Ja* (DNQ)
Arsenic	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	Comp	ND < 0.10	*	Grab	0.12	Ja* (DNQ)
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Grab	ND < 0.10	*
Chromium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	3.9	*	Grab	3.22	*
Copper, dissolved	ug/L	-/-	Comp	2.6	*	Grab	2.94	*
Iron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	0.95	Ja* (DNQ)	Grab	1.2	*
Lead, dissolved	ug/L	-/-	Comp	0.28	Ja* (DNQ)	Grab	0.25	Ja* (DNQ)
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U	Grab	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Grab	ND < 0.10	U
Nickel	ug/L	100/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*	Grab	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	C*	Grab	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ORGANICS								
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			10/20/2010			11/20/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			10/20/2010			11/20/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	Comp	1.0	*	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			12/6/2010			12/18/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Asbestos	MFL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloride	mg/L	150/-	Comp	1.3	*	Comp	2.5	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	0.34	*	Comp	0.51	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	Grab	7.9	*	Grab	7.3	*
Sulfate	mg/L	250/-	Comp	2.2	*	Comp	3.4	*
Temperature	deg. F	86/-	Grab	44	*	Grab	53	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	Comp	30	*	Comp	64	*
Total Suspended Solids	mg/L	-/-	Comp	6.0	J (DNQ)	Comp	19	--
Volume Discharged	MGD	17.8/-	NA	0.008055	*	NA	1.234365	*
METALS								
Aluminum	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	ND < 0.30	*	Comp	0.41	Ja* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	ND < 0.30	*	Comp	0.57	Ja* (DNQ)
Arsenic	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Chromium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	3.25	*	Comp	3.9	*
Copper, dissolved	ug/L	-/-	Comp	1.68	Ja* (DNQ)	Comp	2.6	*
Iron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	2.0	*	Comp	2.3	*
Lead, dissolved	ug/L	-/-	Comp	0.21	Ja* (DNQ)	Comp	0.36	Ja* (DNQ)
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Nickel	ug/L	100/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ORGANICS								
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			12/6/2010			12/18/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			12/6/2010			12/18/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			12/26/2010			12/30/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Asbestos	MFL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloride	mg/L	150/-	Comp	5.1	*	Comp	5.5	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	1.1	*	Comp	0.67	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	Grab	ND < 1.4	*
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	Grab	7.6	*	Grab	7.7	*
Sulfate	mg/L	250/-	Comp	7.8	*	Comp	7.4	*
Temperature	deg. F	86/-	Grab	48	*	Grab	47	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	Comp	62	*	Comp	84	*
Total Suspended Solids	mg/L	-/-	Comp	19	--	Comp	3.0	J (DNQ)
Volume Discharged	MGD	17.8/-	NA	0.675435	*	NA	0.38951	*
METALS								
Aluminum	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	1.6	Ja* (DNQ)	Comp	1.7	Ja* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	1.5	Ja* (DNQ)	Comp	1.6	Ja* (DNQ)
Arsenic	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Chromium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	4.16	*	Comp	3.47	*
Copper, dissolved	ug/L	-/-	Comp	3.50	*	Comp	3.50	*
Iron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	2.4	*	Comp	1.5	*
Lead, dissolved	ug/L	-/-	Comp	0.38	Ja* (DNQ)	Comp	0.40	Ja* (DNQ)
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Nickel	ug/L	100/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ORGANICS								
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			12/26/2010			12/30/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			12/26/2010			12/30/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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

OUTFALL 009 (WS-13 Drainage)

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

Sample Type: Composite

Sample Date October 6, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	2.70E-06	5.00E-05	7.60E-05	--		0.01	0.05	**3.80E-08**
1,2,3,4,6,7,8-HpCDF	1.80E-06	5.00E-05	2.10E-05	J (DNQ)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	2.80E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	2.10E-06	5.00E-05	3.50E-06	J (DNQ)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	2.50E-06	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	1.70E-06	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	2.20E-06	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.70E-06	5.00E-05	3.90E-06	J (DNQ)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	3.10E-06	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	2.60E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	5.30E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	2.40E-06	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	5.80E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	1.00E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	4.70E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	1.10E-05	1.00E-04	1.00E-03	--		0.0001	0.01	**1.00E-09**
OCDF	2.20E-06	1.00E-04	5.30E-05	J (DNQ)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**3.90E-08**

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 009 (WS-13 Drainage)

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

Sample Type: Composite

Sample Date October 20, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	5.60E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	4.90E-07	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	6.70E-07	5.00E-05	ND	UJ (*III)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	5.40E-07	5.00E-05	ND	U (B)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	2.90E-07	5.00E-05	ND	U (B)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	4.60E-07	5.00E-05	ND	U (B)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	2.60E-07	5.00E-05	ND	U (B)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	4.80E-07	5.00E-05	ND	U (B)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	3.10E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	5.10E-07	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	4.40E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	2.60E-07	5.00E-05	ND	U (B)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	5.20E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	4.20E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	2.60E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	1.50E-06	1.00E-04	2.00E-04	--		0.0001	0.01	**2.00E-10**
OCDF	4.10E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**2.00E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 009 (WS-13 Drainage)

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

Sample Type: Composite

Sample Date November 20, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	2.90E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	1.90E-07	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	2.40E-07	5.00E-05	ND	U (B)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	2.00E-07	5.00E-05	ND	U (B)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	2.00E-07	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	1.70E-07	5.00E-05	ND	U (B)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	1.60E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.70E-07	5.00E-05	ND	U (B)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	1.60E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	4.50E-07	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	2.50E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	2.00E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	3.00E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	2.90E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	3.30E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	4.30E-07	1.00E-04	1.60E-04	--		0.0001	0.01	**1.60E-10**
OCDF	2.10E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**1.60E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 009 (WS-13 Drainage)

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

Sample Type: Composite

Sample Date December 6, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	2.60E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	1.90E-06	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	3.70E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	4.30E-07	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	1.90E-06	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	4.00E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	3.10E-06	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	6.70E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	1.90E-06	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.80E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	2.50E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	2.70E-06	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	2.80E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	2.90E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	4.40E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	5.90E-07	1.00E-04	7.30E-04	--		0.0001	0.01	**7.30E-10**
OCDF	4.70E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**7.30E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 009 (WS-13 Drainage)

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

Sample Type: Composite

Sample Date December 18, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	6.30E-07	4.90E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	4.00E-07	4.90E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	5.40E-07	4.90E-05	1.60E-06	J (DNQ)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	1.70E-07	4.90E-05	ND	UJ (*III)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	1.70E-07	4.90E-05	ND	UJ (*III)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	1.40E-07	4.90E-05	2.20E-06	J (DNQ)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	1.70E-07	4.90E-05	ND	UJ (*III)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.40E-07	4.90E-05	2.30E-06	J (DNQ)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	1.90E-07	4.90E-05	ND	UJ (*III)		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.40E-06	4.90E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	5.40E-07	4.90E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	1.60E-07	4.90E-05	9.10E-07	J (DNQ)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	5.80E-07	4.90E-05	1.10E-06	J (DNQ)		0.5	1.6	**ND**
2,3,7,8-TCDD	3.10E-07	9.80E-06	ND	U		1	1	**ND**
2,3,7,8-TCDF	6.30E-07	9.80E-06	ND	U		0.1	0.8	**ND**
OCDD	1.30E-06	9.80E-05	3.60E-04	--		0.0001	0.01	**3.60E-10**
OCDF	5.40E-07	9.80E-05	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**3.60E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 009 (WS-13 Drainage)

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

Sample Type: Composite

Sample Date December 26, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	8.50E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	2.90E-07	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	3.80E-07	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	5.90E-07	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	6.70E-07	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	2.80E-07	5.00E-05	ND	U (B)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	3.00E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	2.90E-07	5.00E-05	ND	U (B)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	3.50E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.20E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	4.20E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	3.00E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	4.90E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	3.70E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	4.20E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	4.90E-04	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	7.30E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 009 (WS-13 Drainage)

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

Sample Type: Composite

Sample Date December 29-30, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	5.30E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	3.00E-07	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	4.30E-07	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	3.50E-07	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	3.70E-07	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	3.10E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	2.90E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	4.90E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	3.90E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	6.90E-07	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	3.70E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	3.20E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	3.90E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	4.00E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	3.20E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	1.80E-06	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	7.80E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			10/6/2010			10/20/2010			11/20/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	17.8	Meas	0.15525		Meas	0.037955		Meas	0.0073	
Chloride	LBS/DAY	22,268/-	Comp	2.59	*	Comp	0.92	*	Grab	0.09	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	Comp	1.00	*	Comp	0.35	*	Grab	0.03	*
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*	Grab	ND	*	Grab	ND	*
Perchlorate	LBS/DAY	0.89/-	Comp	ND	*	ANR	ANR	ANR	ANR	ANR	ANR
Sulfate	LBS/DAY	37,113/-	Comp	4.14	*	Comp	2.31	*	Grab	0.21	*
Total Cyanide	LBS/DAY	1.4/-	Comp	ND	*	Comp	ND	*	Grab	ND	*
Total Dissolved Solids	LBS/DAY	126,184/-	Comp	34.96	*	Comp	37.99	*	Grab	7.31	*
Antimony	LBS/DAY	0.89/-	Comp	0.0009	J (DNQ)	Comp	0.0002	Ja* (DNQ)	Grab	0.00003	Ja* (DNQ)
Copper	LBS/DAY	2.08/-	Comp	0.01	--	Comp	0.0012	*	Grab	0.0002	*
Lead	LBS/DAY	0.77/-	Comp	0.01	--	Comp	0.0003	Ja* (DNQ)	Grab	0.00007	*
Mercury	LBS/DAY	0.02/-	Comp	ND	U	Comp	ND	U	Grab	ND	U
Thallium	LBS/DAY	0.3/-	Comp	ND	U	Comp	ND	*	Grab	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	4.2E-09/-	Comp	5.05E-11	--	Comp	6.33E-14	--	Grab	9.74E-15	--

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			12/6/2010			12/18/2010			12/26/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	17.8	Meas	0.008055		Meas	1.234365		Meas	0.675435	
Chloride	LBS/DAY	22,268/-	Comp	0.09	*	Comp	25.74	*	Comp	28.73	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	Comp	0.02	*	Comp	5.25	*	Comp	6.20	*
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*	Grab	ND	*	Grab	ND	*
Perchlorate	LBS/DAY	0.89/-	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR
Sulfate	LBS/DAY	37,113/-	Comp	0.15	*	Comp	35.00	*	Comp	43.94	*
Total Cyanide	LBS/DAY	1.4/-	Comp	ND	*	Comp	ND	*	Comp	ND	*
Total Dissolved Solids	LBS/DAY	126,184/-	Comp	2.02	*	Comp	658.85	*	Comp	349.25	*
Antimony	LBS/DAY	0.89/-	Comp	ND	*	Comp	0.004	Ja* (DNQ)	Comp	0.01	Ja* (DNQ)
Copper	LBS/DAY	2.08/-	Comp	0.0002	*	Comp	0.04	*	Comp	0.02	*
Lead	LBS/DAY	0.77/-	Comp	0.0001	*	Comp	0.02	*	Comp	0.01	*
Mercury	LBS/DAY	0.02/-	Comp	ND	U	Comp	ND	U	Comp	ND	U
Thallium	LBS/DAY	0.3/-	Comp	ND	*	Comp	ND	*	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	4.2E-09/-	Comp	4.90E-14	--	Comp	3.71E-12	--	Comp	ND	--

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

OUTFALL 011 (Perimeter Pond Weir)

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

October 1 through December 31, 2010

			12/22/2010-12/23/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Comp	1.0	Ja* (DNQ)
Chloride	mg/L	150/-	Comp	4.9	*
Dissolved Oxygen	mg	-/-	Grab	0.39	*
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	120	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	0.22	Ja* (DNQ)
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.22	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.5	*
Total Settleable Solids	ml/L	0.3/-	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	5.4	*
Temperature	deg. F	86/-	Grab	50	*
Total Cyanide	ug/L	8.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	90	*
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	Comp	50	--
Turbidity	NTU	-/-	Comp	190	--
Volume Discharged	MGD	160/-	NA	0.288	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Cadmium	ug/L	3.1/-	Comp	0.16	J (DNQ)
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Chromium	ug/L	16.3/-	ANR	ANR	ANR
Chromium VI	ug/L	16.3/-	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14.0/-	Comp	6.29	--
Copper, dissolved	ug/L	-/-	Comp	2.2	--
Iron	mg/L	0.3/-	Comp	6.4	--
Iron, dissolved	mg/L	-/-	Comp	0.37	--
Lead	ug/L	5.2/-	Comp	4.6	J (*III)
Lead, dissolved	ug/L	-/-	Comp	0.20	J (DNQ, *III)

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

OUTFALL 011 (Perimeter Pond Weir)

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

October 1 through December 31, 2010

			12/22/2010-12/23/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Manganese	ug/L	50/-	Comp	62	--
Manganese, dissolved	ug/L	-/-	Comp	ND < 1.0	U (B)
Mercury	ug/L	0.10/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/-	ANR	ANR	ANR
Selenium	ug/L	8.2/-	Comp	ND < 0.50	U
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	U
Silver	ug/L	4.1/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	-/-	Comp	28.3	--
Zinc, Dissolved	ug/L	-/-	Comp	ND < 6.00	U
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	0.5/-	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*
TPH					
EFH (C13 - C22)	ug/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 011 (Perimeter Pond Weir)

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

October 1 through December 31, 2010

			12/22/2010-12/23/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/-	Comp	ND < 0.0943	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/-	Comp	ND < 0.189	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/-	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 011 (Perimeter Pond Weir)

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

October 1 through December 31, 2010

			12/22/2010-12/23/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.60	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	Grab	1.0	*
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 011 (Perimeter Pond Weir)

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

October 1 through December 31, 2010

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

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

OUTFALL 011 (Perimeter Pond Weir)

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

Sample Type: Composite

Sample Date December 22-23, 2010

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

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 011 (Perimeter Pond Weir)

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

December 1 through December 31, 2010

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

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

OUTFALL 011 (Perimeter Pond Weir)

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

December 1 through December 31, 2010

			12/22/2010-12/23/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.288	
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	21.8/-	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.7E-08/-	Comp	ND	--

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

OUTFALL 018 (R-2 Spillway)

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

October 1 through December 31, 2010

			12/20/2010-12/21/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.50	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Comp	1.8	Ja* (DNQ)
Chloride	mg/L	150/-	Comp	6.9	*
Dissolved Oxygen	mg	-/-	Grab	0.36	*
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	150	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	1.0	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	1.0	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.6	*
Total Settleable Solids	ml/L	0.3/-	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	38	*
Temperature	deg. F	86/-	Grab	53	*
Total Cyanide	ug/L	8.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	110	*
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR
Total Residual Chlorine	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	Comp	22	*
Turbidity	NTU	-/-	Comp	47	--
Volume Discharged	MGD	160/-	NA	1.17444	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Cadmium	ug/L	3.1/-	Comp	0.12	Ja* (DNQ)
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Chromium	ug/L	16.3/-	ANR	ANR	ANR
Chromium VI	ug/L	16.3/-	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14.0/-	Comp	4.10	*
Copper, dissolved	ug/L	-/-	Comp	2.12	*
Iron	mg/L	0.3/-	Comp	2.3	--
Iron, dissolved	mg/L	-/-	Comp	0.016	J (DNQ)
Lead	ug/L	5.2/-	Comp	1.8	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*

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

OUTFALL 018 (R-2 Spillway)

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

October 1 through December 31, 2010

			12/20/2010-12/21/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Manganese	ug/L	50/-	Comp	45	*
Manganese, dissolved	ug/L	-/-	Comp	8.8	*
Mercury	ug/L	0.10/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/-	ANR	ANR	ANR
Selenium	ug/L	8.2/-	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	4.1/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	-/-	Comp	19.3	J (DNQ)
Zinc, Dissolved	ug/L	-/-	Comp	8.05	J (DNQ)
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	0.5/-	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*
TPH					
EFH (C13 - C22)	ug/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 018 (R-2 Spillway)

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

October 1 through December 31, 2010

			12/20/2010-12/21/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/-	Comp	ND < 0.094	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/-	Comp	ND < 0.19	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/-	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 018 (R-2 Spillway)

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

October 1 through December 31, 2010

			12/20/2010-12/21/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.6	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	Grab	1.0	*
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 018 (R-2 Spillway)

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

October 1 through December 31, 2010

			12/20/2010-12/21/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/-	Comp	ND < 0.094	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/-	Comp	ND < 0.094	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

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

OUTFALL 018 (R-2 Spillway)

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

Sample Type: Composite

Sample Date December 20-21, 2010

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	5.60E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	5.00E-07	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	6.30E-07	5.00E-05	ND	U (B)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	1.20E-07	5.00E-05	ND	UJ (*III)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	6.80E-07	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	1.00E-07	5.00E-05	2.60E-06	J (DNQ)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	3.60E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.00E-07	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	1.20E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	7.20E-07	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	2.20E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	6.00E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	3.50E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	4.40E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	2.60E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	1.10E-06	1.00E-04	5.20E-04	--		0.0001	0.01	**5.20E-10**
OCDF	5.80E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**5.20E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 018 (R-2 Spillway)

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

October 1 through December 31, 2010

			12/20/2010-12/21/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	1.17444	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	17.63	Ja* (DNQ)
Chloride	LBS/DAY	200,160/-	Comp	67.58	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	9.79	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	9.79	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8/-	Comp	ND	*
Sulfate	LBS/DAY	400,320/-	Comp	372.20	*
Total Cyanide	LBS/DAY	11.3/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	1077.43	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	215.49	*
Cadmium	LBS/DAY	4.14/-	Comp	0.0012	Ja* (DNQ)
Copper	LBS/DAY	18.7/-	Comp	0.04	*
Iron	LBS/DAY	400/-	Comp	22.53	--
Lead	LBS/DAY	6.94/-	Comp	0.02	*
Manganese	LBS/DAY	66.7/-	Comp	0.44	*
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Selenium	LBS/DAY	10.9/-	Comp	ND	*
Zinc	LBS/DAY	159/-	Comp	0.19	J (DNQ)
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8/-	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	*

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

OUTFALL 018 (R-2 Spillway)

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

October 1 through December 31, 2010

			12/20/2010-12/21/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	1.17444	
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	21.8/-	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.7E-08/-	Comp	5.09E-12	--

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

ARROYO SIMI (Frontier Park Receiving Water)

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

October 1 through December 31, 2010

			11/10/2010		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Water Velocity	ft/sec	-/-	Meas	0.03	*
pH (Field)	pH Units	6.5-8.5/-	Grab	7.4	*
Temperature	F	NA	Grab	59	*
Hardness	mg/l	NA	Grab	720	--
Calcium	mg/l	NA	Grab	190	--
Magnesium	mg/l	NA	Grab	58	--
4,4'-DDD	ug/L	0.0014/-	Grab	ND < 0.0038	*
4,4'-DDE	ug/L	0.001/-	Grab	ND < 0.0028	*
4,4'-DDT	ug/L	0.001/-	Grab	ND < 0.0038	*
Aroclor-1016	ug/L	0.0003/-	Grab	ND < 0.24	*
Aroclor-1221	ug/L	0.0003/-	Grab	ND < 0.24	*
Aroclor-1232	ug/L	0.0003/-	Grab	ND < 0.24	*
Aroclor-1242	ug/L	0.0003/-	Grab	ND < 0.24	*
Aroclor-1248	ug/L	0.0003/-	Grab	ND < 0.24	*
Aroclor-1254	ug/L	0.0003/-	Grab	ND < 0.24	*
Aroclor-1260	ug/L	0.0003/-	Grab	ND < 0.24	*
Chlordane	ug/L	0.001/-	Grab	ND < 0.075	*
Diazinon	ug/L	0.16/-	Grab	ND < 0.10	U
Dieldrin	ug/L	0.0002/-	Grab	ND < 0.0019	*
Toxaphene	ug/L	0.0003/-	Grab	ND < 0.24	*
Chlorpyrifos	ug/L	0.02/-	Grab	ND < 0.010	U

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

APPENDIX D

FOURTH QUARTER 2010 RADIOLOGICAL MONITORING DATA

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

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

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

*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)
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	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
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
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
MDL	method detection limit
MGD	million gallons per day
MHA*	Due to high level of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information.
mg/L	milligrams per liter
ml/L/hr	milliliters per liter per hour
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	picocurries per liter

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

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	(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
TU_c	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
#	Per ORDER NO. R4-2010-0090 page 23 Footnote 1. The effluent limitations for total suspended solids and settable solids are not applicable for discharges during wet weather. During wet weather flow, a discharge event is greater than 0.1 inches of rainfall in a 24-hour period. No more than one sample per week need be obtained during extended periods of rainfall or the discharge of collected stormwater. A storm event must be preceded by at least 72 hours of dry weather.
(4.0)3.1/-	Represents (Dry Weather Limit) Wet Weather Limit / Monthly Average Limit.

OUTFALL 001

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

October 1 through December 31, 2010

			12/20/2010 (Comp)			12/26/2010 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	4.4 ± 0.75	0.499	J (C)	1.89 ± 0.47	0.4	J (C, DNQ)
Gross Beta	pCi/L	50/-	7.29 ± 0.75	0.895	--	3.06 ± 0.63	0.885	J (DNQ)
Strontium-90	pCi/L	8.0/-	-0.198 ± 0.38	0.809	U	0.222 ± 0.33	0.684	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.78 ± 0.48	1.20	U	0.21 ± 0.40	1.11	U
Tritium	pCi/L	20000/-	-114 ± 170	297	U	-40.3 ± 150	270	U
Uranium, Total	pCi/L	20/-	0.433 ± 0.046	0.019	J (DNQ)	0.177 ± 0.022	0.017	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 18.1	18.1	U	ND < 53.7	53.7	U
Cesium 137	pCi/L	200/-	ND < 1.68	1.68	U	ND < 2.68	2.68	U

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

OUTFALL 002 (South Slope below R-2 Pond)

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

October 1 through December 31, 2010

			12/20/2010 (Comp)			12/26/2010 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	1.72 ± 0.51	0.486	J (C,DNQ)	0.728 ± 0.47	0.768	UJ (C)
Gross Beta	pCi/L	50/-	4.24 ± 0.65	0.852	--	2.76 ± 0.58	0.814	J (DNQ)
Strontium-90	pCi/L	8.0/-	-0.202 ± 0.40	1.05	U	-0.038 ± 0.24	0.523	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.61 ± 0.37	0.96	U	0.69 ± 0.43	1.03	J (DNQ)
Tritium	pCi/L	20000/-	-133 ± 170	298	U	-32.9 ± 110	184	U
Uranium, Total	pCi/L	20/-	0.279 ± 0.031	0.019	J (DNQ)	0.783 ± 0.089	0.017	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 13.8	13.8	U	ND < 28.7	28.7	U
Cesium 137	pCi/L	200/-	ND < 1.07	1.07	U	ND < 1.39	1.39	U

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

OUTFALL 002 (South Slope below R-2 Pond)

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

October 1 through December 31, 2010

			12/30/2010 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY					
Gross Alpha	pCi/L	15/-	1.21 ± 0.70	0.84	J (C, DNQ)
Gross Beta	pCi/L	50/-	4.02 ± 0.86	1.21	--
Strontium-90	pCi/L	8.0/-	-0.29 ± 0.64	1.65	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.42 ± 0.47	1.08	U
Tritium	pCi/L	20000/-	-60.3 ± 190	331	U
Uranium, Total	pCi/L	20/-	1.46 ± 0.17	0.017	--
Potassium-40	pCi/L	-/-	ND < 27.2	27.2	U
Cesium 137	pCi/L	200/-	ND < 1.23	1.23	U

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

OUTFALL 006 (FSDF-2)

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

October 1 through December 31, 2010

			12/20/2010 (Comp)			12/26/2010 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	2.00 ± 0.78	0.822	J (DNQ,C)	1.12 ± 0.39	0.384	J (C, DNQ)
Gross Beta	pCi/L	50/-	4.28 ± 0.93	1.37	--	2.56 ± 0.68	1.02	J (DNQ)
Strontium-90	pCi/L	8.0/-	-0.042 ± 0.29	0.708	U	0.051 ± 0.28	0.587	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.32 ± 0.42	1.03	U	0.15 ± 0.35	1.00	U
Tritium	pCi/L	20000/-	124 ± 210	352	U	-36.2 ± 160	272	U
Uranium, Total	pCi/L	20/-	0.384 ± 0.045	0.017	J (DNQ)	0.195 ± 0.023	0.017	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 31.2	31.2	U	ND < 19.4	19.4	U
Cesium 137	pCi/L	200/-	ND < 1.54	1.54	U	ND < 1.58	1.58	U

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

OUTFALL 008 (Happy Valley Drainage)

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

October 1 through December 31, 2010

			12/19/2010 (Comp)			12/26/2010 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	10.4 ± 1.3	0.643	J (C)	1.66 ± 0.54	0.646	J (C, DNQ)
Gross Beta	pCi/L	50/-	12.8 ± 0.86	0.852	--	4.16 ± 0.66	0.923	--
Strontium-90	pCi/L	8.0/-	-0.007 ± 0.48	1.11	U	-0.112 ± 0.30	0.752	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	2.03 ± 0.81	0.88	--	0.33 ± 0.45	1.16	U
Tritium	pCi/L	20000/-	-216 ± 160	293	U	18.3 ± 160	275	U
Uranium, Total	pCi/L	20/-	1.24 ± 0.13	0.019	--	0.677 ± 0.077	0.017	J (DNQ)
Potassium-40	pCi/L	-/-	21.0 ± 0.19	14.7	J (DNQ)	ND < 18.9	18.9	U
Cesium 137	pCi/L	200/-	ND < 1.33	1.33	U	ND < 1.64	1.64	U

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

OUTFALL 008 (Happy Valley Drainage)

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

October 1 through December 31, 2010

			12/30/2010 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY					
Gross Alpha	pCi/L	15/-	0.928 ± 0.46	0.566	J (C, DNQ)
Gross Beta	pCi/L	50/-	3.17 ± 0.60	0.844	J (DNQ)
Strontium-90	pCi/L	8.0/-	-0.221 ± 1.0	2.24	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.15 ± 0.51	1.54	U
Tritium	pCi/L	20000/-	31.2 ± 180	314	U
Uranium, Total	pCi/L	20/-	0.749 ± 0.085	0.017	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 39.2	39.2	U
Cesium 137	pCi/L	200/-	ND < 1.54	1.54	U

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			10/06/2010 (Comp)			10/20/2010 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	0.865 ± 0.44	0.481	J (H, DNQ)	0.142 ± 0.11	0.061	J (C, DNQ)
Gross Beta	pCi/L	50/-	3.81 ± 1.3	1.93	J (H, DNQ)	2.31 ± 0.55	0.829	J (DNQ)
Strontium-90	pCi/L	8.0/-	-0.13 ± 0.36	0.879	UJ (H)	0.102 ± 0.57	1.28	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.25 ± 0.44	1.37	UJ (H)	-0.05 ± 0.46	1.51	U
Tritium	pCi/L	20000/-	-13.6 ± 95	162	U	-17.9 ± 150	267	U
Uranium, Total	pCi/L	20/-	0.208 ± 0.025	0.023	J (H, DNQ)	0.076 ± 0.013	0.02	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 20.3	20.3	UJ (H)	ND < 12	12	U
Cesium 137	pCi/L	200/-	ND < 1.62	1.62	UJ (H)	ND < 0.863	0.863	U

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			11/20/2010 (Grab)			12/06/2010 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	0.709 ± 0.31	0.365	J (DNQ, H)	0.966 ± 0.29	0.282	J (DNQ)
Gross Beta	pCi/L	50/-	1.48 ± 0.57	0.873	J (DNQ, H)	2.02 ± 0.58	0.888	J (DNQ)
Strontium-90	pCi/L	8.0/-	0.089 ± 0.62	1.39	UJ (H)	0.134 ± 0.32	0.68	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	-0.02 ± 0.45	1.20	UJ (H)	0.38 ± 0.34	0.90	U
Tritium	pCi/L	20000/-	46.8 ± 89	148	U	-10.5 ± 210	356	U
Uranium, Total	pCi/L	20/-	0.046 ± 0.010	0.019	J (DNQ,H)	0.093 ± 0.013	0.019	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 16.5	16.5	UJ (H)	ND < 14.8	14.8	U
Cesium 137	pCi/L	200/-	ND < 1.25	1.25	UJ (H)	ND < 1.24	1.24	U

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			12/18/2010 (Comp)			12/26/2010 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	1.22 ± 0.35	0.326	J (DNQ)	1.19 ± 0.37	0.38	J (C, DNQ)
Gross Beta	pCi/L	50/-	1.61 ± 0.57	0.853	J (DNQ)	2.66 ± 0.60	0.864	J (DNQ)
Strontium-90	pCi/L	8.0/-	0.012 ± 0.48	1.12	U	0.063 ± 0.32	0.652	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.45 ± 0.43	1.06	U	0.23 ± 0.37	1.01	U
Tritium	pCi/L	20000/-	-81.5 ± 170	294	U	82.7 ± 170	293	U
Uranium, Total	pCi/L	20/-	0.103 ± 0.014	0.019	J (DNQ)	0.126 ± 0.016	0.017	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 17.8	17.8	U	ND < 17.5	17.5	U
Cesium 137	pCi/L	200/-	ND < 1.28	1.28	U	ND < 1.45	1.45	U

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

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2010

			12/30/2010 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY					
Gross Alpha	pCi/L	15/-	0.336 ± 0.29	0.412	UJ (C)
Gross Beta	pCi/L	50/-	1.23 ± 0.54	0.835	J (DNQ)
Strontium-90	pCi/L	8.0/-	-0.099 ± 0.80	1.94	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.18 ± 0.37	1.00	U
Tritium	pCi/L	20000/-	80.3 ± 190	323	U
Uranium, Total	pCi/L	20/-	0.093 ± 0.013	0.017	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 16.2	16.2	U
Cesium 137	pCi/L	200/-	ND < 1.25	1.25	U

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

OUTFALL 011 (Perimeter Pond Weir)

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

October 1 through December 31, 2010

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

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

OUTFALL 018 (R-2 Spillway)

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

October 1 through December 31, 2010

			12/21/2010 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY					
Gross Alpha	pCi/L	15/-	0.948 ± 0.36	0.399	J (DNQ,C)
Gross Beta	pCi/L	50/-	4.3 ± 0.65	0.868	--
Strontium-90	pCi/L	8.0/-	0.018 ± 0.28	0.637	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.44 ± 0.49	1.31	U
Tritium	pCi/L	20000/-	144 ± 200	340	U
Uranium, Total	pCi/L	20/-	0.237± 0.028	0.017	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 24	24	U
Cesium 137	pCi/L	200/-	ND < 1.8	1.8	U

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

APPENDIX E

FOURTH QUARTER 2010 SUMMARY OF PERMIT LIMIT EXCEEDENCES

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

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

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

*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)
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	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
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
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
MDL	method detection limit
MGD	million gallons per day
MHA*	Due to high level of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information.
mg/L	milligrams per liter
ml/L/hr	milliliters per liter per hour
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	picocurries per liter

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

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	(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
TU_c	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
#	Per ORDER NO. R4-2010-0090 page 23 Footnote 1. The effluent limitations for total suspended solids and settable solids are not applicable for discharges during wet weather. During wet weather flow, a discharge event is greater than 0.1 inches of rainfall in a 24-hour period. No more than one sample per week need be obtained during extended periods of rainfall or the discharge of collected stormwater. A storm event must be preceded by at least 72 hours of dry weather.
(4.0)3.1/-	Represents (Dry Weather Limit) Wet Weather Limit / Monthly Average Limit.

SUMMARY OF PERMIT LIMIT EXCEEDANCES

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

DAILY MAX PERMIT LIMIT EXCEEDANCES								
OUTFALL	LOCATIONS	SAMPLE DATE	SAMPLE TYPE	ANALYTE	PERMIT LIMIT DAILY MAX	DAILY MAX RESULT	UNITS	VALIDATION QUALIFIER
Outfall 009	WS-13 Drainage	10/06/10	Composite	Lead	5.2	11	ug/L	--
Outfall 009	WS-13 Drainage	10/06/10	Composite	TCDD TEQ_NoDNQ	2.80E-08	3.90E-08	ug/L	--
Outfall 008	Happy Valley Drainage	12/19/10	Composite	Lead	5.2	6.7	ug/L	--
Outfall 018	R-2 Spillway	12/20-21/2010	Composite	Iron	0.3	2.3	mg/L	--
Outfall 011	Perimeter Pond Weir	12/22-23/2010	Composite	Iron	0.3	6.4	mg/L	--
Outfall 011	Perimeter Pond Weir	12/22-23/2010	Composite	Manganese	50	62	ug/L	--

SUMMARY OF BENCHMARK LIMIT EXCEEDANCES

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

DAILY MAX BENCHMARK LIMIT EXCEEDANCES								
OUTFALL	LOCATIONS	SAMPLE DATE	SAMPLE TYPE	ANALYTE	BENCHMARK LIMIT DAILY MAX	DAILY MAX RESULT	UNITS	VALIDATION QUALIFIER
Outfall 001	South Slope below Perimeter Pond	12/19-20/2010	Composite	Iron	0.3	6.4	mg/L	--
Outfall 001	South Slope below Perimeter Pond	12/19-20/2010	Composite	Manganese	50	96	ug/L	--
Outfall 001	South Slope below Perimeter Pond	12/26/10	Composite	Iron	0.3	1.8	mg/L	--
Outfall 002	South Slope below R-2 Pond	12/19-20/2010	Composite	Iron	0.3	2.7	mg/L	--

APPENDIX F

FOURTH QUARTER 2010 REASONABLE POTENTIAL ANALYSIS (RPA) SUMMARY TABLES

FOURTH QUARTER 2010 REASONABLE POTENTIAL ANALYSIS SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

1. The following Reasonable Potential Analysis (RPA) provides the analytical results as performed by the procedures outlined in *Reasonable Potential Analysis Methodology Technical Memo* (MWH and Flow Science, 2006).

2. The monitoring data set utilized to conduct the RPA consists of all applicable and relevant data from August 2004 through the present reporting quarter.

3. As directed by the CTR and the Regional Water Control Board 2,3,7,8-TCDD (Dioxin) values are to be expressed in NPDES permitting and this RPA as TCDD Total Equivalence units (TEQs). A TCDD TEQ is determined by multiplying each of the seventeen dioxin and furan congeners by their respective total equivalence factor (TEF), and summing the results of those products. For the purposes of this RPA, the resulting TCDD TEQ does not include those congener concentrations that are reported as DNQ, as specified on Page 53, of the NPDES Permit Effective June 29, 2009.

4. In calculating the average, standard deviation, coefficient of variation, and projected maximum effluent concentration (99/99), one-half of the MDL was used for concentration results reported as ND. Data reported with qualifiers were not included in this RPA as Boeing believes qualified data are not "appropriate, valid, relevant, (nor) representative"[1] of storm water constituents and are therefore not utilized in its RPA.

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

Definition of Acronyms, Abbreviations, and Terminology Used

>=	Greater than or equal to
*	Freshwater aquatic life criteria for metals are expressed as a function of total hardness (mg/L) in the water body. The equations are provided in the CTR, (US EPA, 2000). Values displayed correspond to a total hardness of 100 mg/l.
µg/L	Concentration units, micrograms per liter
All Data Qualified	All available monitoring data are qualified and no statistical analysis is performed.
Annually	The 2009 NPDES Permit requires annual monitoring.
Available Data < DL	All available monitoring data that are not qualified are below detection limits.
B	Background
C	Concentration
CCC	Criterion Continuous Concentration
CMC	Criterion Maximum Concentration
CTR	California Toxics Rule
CV	Coefficient of Variation
DL	Detection Limit
EPA TSD	EPA's Technical Support Document for Water Quality Based Toxics Control, (see references).

[1] SIP, p. 5.

FOURTH QUARTER 2010 REASONABLE POTENTIAL ANALYSIS SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Definition of Acronyms, Abbreviations, and Terminology Used (Continued)

Fibers/L	Units for asbestos concentration, fibers per liter
HH O	Human Health criteria for consumption of Organisms only
HH W&O	Human Health criteria for consumption of Water and Organisms
MEC	Maximum Observed Effluent Concentration
Min	Minimum
NA	Not Applicable
Narrative	Water quality criteria are expressed as a narrative objective rather than a numeric objective, and therefore are not part of the statistical RPA calculations.
None	No available CTR or Basin Plan criteria.
pH Dependent	CTR Criteria are based on pH.
Once Per Discharge	The 2009 NPDES Permit requires monitoring once per discharge event.
Qualified Data	Data qualifier definitions are: (a) J- The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL), (b) U/UJ- The analyte was not detected in the sample at the detection limit /estimated detection limit (EDL), (c) B- Analyte found in sample and associated blank, and (d) DNQ- Detected Not Quantified.
Reserved	EPA has reserved the CTR criteria.
RPA	Reasonable Potential Analysis
SIP	The State Water Resources Control Board "Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California," (see references).
Tot	Total

Priority Pollutant RPA Column Explanation

CTR	Provides CTR constituent reference number.
Constituent	Provides CTR constituent common name.
Units	Provides the data set's concentration units as referenced by 2009 NPDES Permit.
MEC	Provides the outfall monitoring group's maximum value from the applicable data set.
CV	Equal to the standard deviation divided by the average of the applicable data set. If the number of samples is less than 10, the CV is assumed to be 0.6.
Step 1 identifies all applicable water quality criteria.	
CTR Criteria	Concentration criteria as listed in the CTR.
CMC = Acute	The Freshwater CMC is listed as the acute concentration criterion.
CCC = Chronic	The Freshwater CCC is listed as the chronic concentration criterion.
HH W& O(Not App)	The HH W&O is deemed not applicable based on past Regional Board RPAs.
HH O = HH	The HH O is listed as the CTR human health concentration criterion.
Basin Plan Criteria	Applicable Basin Plan Criteria are listed for the Los Angeles River and/or Calleguas Creek watersheds.

FOURTH QUARTER 2010 REASONABLE POTENTIAL ANALYSIS SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

C = Lowest Criteria	The comparison concentration (C) is equal to the lowest criterion for a constituent based on the CMC, CCC, HH O, and Basin Plan Criteria listed.

Priority Pollutant RPA Column Explanation (Continued)

Step 2 defines the applicable data set.	
Is Effluent Data Available	If there is available monitoring data that is not qualified and above DL, then YES. If not, then NO.
Step 3 determines the maximum observed effluent concentration.	
Was Constituent Detected in Effluent Data	If the constituent was detected, then YES. If all monitoring data are non-detect or qualified then NO.
Are all DL >C	If constituent was detected in effluent data then not applicable (NA). If constituent was not detected and all analysis detection limits are less than the comparison concentration, then YES, if not then NO.
If DL > C MEC = Min (DL)	If the previous cell answer was yes, then the MEC is equal to the minimum detection limit. If not, then NA.
Step 4 compares the MEC to the lowest applicable water quality criteria.	
MEC >= C	If the MEC is greater than or equal to the comparison concentration then YES, if not then NO.

Note: Steps 5 and 6 of the Priority Pollutant RPA do not apply to Boeing SSFL because the Regional Board gives no consideration for receiving water background constituent concentrations. Furthermore, Boeing SSFL defers the application of best professional judgment in Step 7 and final determination of reasonable potential in Step 8 to the Regional Board Staff.

Nonpriority Pollutant RPA Column Explanation

Constituent	Provides the Non Priority Pollutant constituent common name
Monitoring	Provides the 2009 NPDES Permit directed monitoring frequency
Units	Provides the data set's concentration units as referenced by 2009 NPDES Permit
Number of Samples	Provides the number of available samples that are not qualified
MEC	Provides the outfall monitoring group's maximum value from the applicable data set
CV	Equal to the standard deviation divided by the average of the applicable data set. If the number of samples is less than 10, the CV is assumed to be 0.6.
Multiplier	Utilizes the EPA's TSD calculation to determine multiplier for which the maximum effluent concentration is calculated. (MWH and Flow Science, 2006, or EPA TSD, 1991)
Projected Maximum Effluent Concentration	Utilizes the product of the multiplier and the MEC as an estimate for the projected maximum effluent concentration.
Dilution Ratio	The Regional Board allocates no dilution ratio to Boeing SSFL.
Background Concentration	The Regional Board allocates no background concentration to Boeing SSFL.
Projected Maximum Receiving Water Concentration	The Regional Board estimates the projected maximum receiving water concentration as equal to the projected maximum effluent concentration.

Nonpriority Pollutant RPA Column Explanation (Continued)

Step 1, Determine Water Quality Objectives	The water quality objective is based on appropriate Basin Plan criteria.
BU – Benneficial Use Protection, NC – Human noncarcinogen, AP- Aquatic Life Protection, TMDL – Total Maximum Daily Load	This is the Regional Board's Basis for determining if reasonable potential should be evaluated for a non-priority pollutant.

Note: Boeing SSFL has completed appropriate statistical calculations, but defers the application of best professional judgment and the final determination of reasonable potential to the Regional Board Staff.

References

Los Angeles Regional Water Quality Control Board, "Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties, (Basin Plan)." June 13, 1994.

MWH and Flow Science, "Reasonable Potential Analysis Methodology Technical Memo-Version 1, Final, Santa Susan Field Laboratory, Ventura County, California." April 28, 2006.

State Water Resources Control Board, "Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California, (SIP)" Resolution No. 2005-0019, February 24, 2005.

US EPA, *40CFR part 131, Water Quality Standards; Establishment of numeric Criteria for Priority Toxic Pollutants for the State of California*,(CTR) Federal Registry, May 18, 2000, pp. 31682-31719.

US EPA, "Technical Support Document for Water Quality-based Toxics Control." EPA/505/2-90-001, PB-91-127415, March 1991.

Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 001, 002, 011 018)

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA										
						Freshwater		Human Health		Basin Plan	C = Lowest	Is Effluent Data	Was Constituent Detected in	Are all Detection Limits >	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	C	MEC = Min (DL)	MEC >= C
1_2_11_18	001	Antimony	ug/L	All Data Qualified	0.6	NONE	NONE	14	4300	6	6	No	No	No	NA	No
1_2_11_18	002	Arsenic	ug/L	All Data Qualified	0.6	340	150	NONE	NONE	50	50	No	No	No	NA	No
1_2_11_18	003	Beryllium	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	4	4	No	No	No	NA	No
1_2_11_18	004	Cadmium	ug/L	0.25	0.6	NONE	2.5	Narrative	Narrative	5	2.5	Yes	Yes	NA	NA	No
1_2_11_18	005a	Chromium	ug/L	All Data Qualified	0.6	NONE	207.0	Narrative	Narrative	NONE	207.0	No	No	No	NA	No
1_2_11_18	005b	Chromium VI	ug/L	All Data Qualified	0.6	16.3	11.4	Narrative	Narrative	50	11.4	No	No	No	NA	No
1_2_11_18	006	Copper	ug/L	7.2	0.6	NONE	9.3	1300	NONE	NONE	9.3	Yes	Yes	NA	NA	No
1_2_11_18	007	Lead	ug/L	3.5	0.6	NONE	3.2	Narrative	Narrative	NONE	3.2	Yes	Yes	NA	NA	Yes
1_2_11_18	008	Mercury	ug/L	All Data Qualified	0.6	Reserved	Reserved	0.05	0.051	2	0.051	No	No	No	NA	No
1_2_11_18	009	Nickel	ug/L	All Data Qualified	0.6	NONE	52.2	610	4600	100	52.2	No	No	No	NA	No
1_2_11_18	010	Selenium	ug/L	0.52	0.6	Reserved	5	Narrative	Narrative	50	5	Yes	Yes	NA	NA	No
1_2_11_18	011	Silver	ug/L	All Data Qualified	0.6	4.06	none	NONE	NONE	NONE	4.06	No	No	No	NA	No
1_2_11_18	012	Thallium	ug/L	All Data Qualified	0.6	NONE	NONE	1.7	6.3	2	2	No	No	No	NA	No
1_2_11_18	013	Zinc	ug/L	28.3	0.6	120	120	none	NONE	NONE	119.8	Yes	Yes	NA	NA	No
1_2_11_18	014	Total Cyanide	ug/L	Available Data <DL	0.6	22	5.2	700	220000	200	5.2	Yes	No	No	NA	No
1_2_11_18	015	Asbestos	Fibers/L	All Data Qualified	0.6	NONE	NONE	7000000	NONE	700000	700000	No	No	No	NA	No
1_2_11_18	016	TCDD TEQ_NoDNQ	ug/L	0.0000000034902	0.6	NONE	NONE	0.000000013	0.000000014	0.00003	0.000000014	Yes	Yes	NA	NA	No
1_2_11_18	017	Acrolein	ug/L	All Data Qualified	0.6	NONE	NONE	320	780	NONE	780	No	No	No	NA	No
1_2_11_18	018	Acrylonitrile	ug/L	All Data Qualified	0.6	NONE	NONE	0.059	0.66	NONE	0.66	No	No	No	NA	No
1_2_11_18	019	Benzene	ug/L	Available Data <DL	0.6	NONE	NONE	1.2	71	1	1	Yes	No	No	NA	No
1_2_11_18	020	Bromoform	ug/L	All Data Qualified	0.6	NONE	NONE	4.3	360	NONE	360	No	No	No	NA	No
1_2_11_18	021	Carbon Tetrachloride	ug/L	Available Data <DL	0.6	NONE	NONE	0.25	4.4	600	4.4	Yes	No	No	NA	No
1_2_11_18	022	Chlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	680	21000	NONE	21000	No	No	No	NA	No
1_2_11_18	023	Dibromochloromethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.401	34	NONE	34	No	No	No	NA	No
1_2_11_18	024	Chloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
1_2_11_18	025	2-Chloroethylvinylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
1_2_11_18	026	Chloroform	ug/L	Available Data <DL	0.6	NONE	NONE	Reserved	Reserved	NONE	NONE	Yes	No	No	NA	No
1_2_11_18	027	Bromodichloromethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.56	46	NONE	46	No	No	No	NA	No
1_2_11_18	028	1,1-Dichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	5	5	Yes	No	No	NA	No
1_2_11_18	029	1,2-Dichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.38	99	0.5	0.5	Yes	No	No	NA	No
1_2_11_18	030	1,1-Dichloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	0.057	3.2	6	3.2	Yes	No	No	NA	No
1_2_11_18	031	1,2-Dichloropropane	ug/L	All Data Qualified	0.6	NONE	NONE	0.52	39	5	5	No	No	No	NA	No
1_2_11_18	032	1,3-Dichloropropene (Total)	ug/L	All Data Qualified	0.6	NONE	NONE	10	1700	0.5	0.5	No	No	No	NA	No
1_2_11_18	033	Ethylbenzene	ug/L	Available Data <DL	0.6	NONE	NONE	3100	29000	0.7	0.7	Yes	No	No	NA	No
1_2_11_18	034	Bromomethane	ug/L	All Data Qualified	0.6	NONE	NONE	48	4000	NONE	4000	No	No	No	NA	No
1_2_11_18	035	Chloromethane	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	NONE	NONE	No	No	No	NA	No
1_2_11_18	036	Methylene chloride	ug/L	All Data Qualified	0.6	NONE	NONE	4.7	1600	NONE	1600	No	No	No	NA	No
1_2_11_18	037	1,1,2,2-Tetrachloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.17	11	1	1	No	No	No	NA	No
1_2_11_18	038	Tetrachloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	0.8	8.85	5	5	Yes	No	No	NA	No
1_2_11_18	039	Toluene	ug/L	Available Data <DL	0.6	NONE	NONE	6800	200000	150	150	Yes	No	No	NA	No
1_2_11_18	040	trans-1,2-Dichloroethene	ug/L	All Data Qualified	0.6	NONE	NONE	700	140000	10	10	No	No	No	NA	No
1_2_11_18	041	1,1,1-Trichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative	200	200	Yes	No	No	NA	No
1_2_11_18	042	1,1,2-trichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.6	42	5	5	Yes	No	No	NA	No
1_2_11_18	043	Trichloroethene	ug/L	0.48	0.6	NONE	NONE	2.7	81	5	5	Yes	Yes	NA	NA	No
1_2_11_18	044	Vinyl chloride	ug/L	Available Data <DL	0.6	NONE	NONE	2	525	0.5	0.5	Yes	No	No	NA	No
1_2_11_18	045	2-chlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	120	400	NONE	400	No	No	No	NA	No
1_2_11_18	046	2,4-Dichlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	93	790	NONE	790	No	No	No	NA	No
1_2_11_18	047	2,4-dimethylphenol	ug/L	All Data Qualified	0.6	NONE	NONE	540	2300	NONE	2300	No	No	No	NA	No

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

Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 001, 002, 011 018)

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA										
						Freshwater		Human Health		Basin Plan	C = Lowest	Is Effluent Data	Was Constituent Detected in	Are all Detection Limits >	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	C	MEC = Min (DL)	MEC >= C
1_2_11_18	048	2-Methyl-4,6-dinitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	13.4	765	NONE	765	No	No	No	NA	No
1_2_11_18	049	2,4-dinitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	70	14000	NONE	14000	No	No	No	NA	No
1_2_11_18	050	2-nitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
1_2_11_18	051	4-nitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
1_2_11_18	052	4-Chloro-3-methylphenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
1_2_11_18	053	Pentachlorophenol	ug/L	Available Data <DL	0.6	pH dependent	pH dependent	0.28	8.2	1	1	Yes	No	No	NA	No
1_2_11_18	054	Phenol	ug/L	All Data Qualified	0.6	NONE	NONE	21000	4600000	NONE	4600000	No	No	No	NA	No
1_2_11_18	055	2,4,6-Trichlorophenol	ug/L	Available Data <DL	0.6	NONE	NONE	2.1	6.5	NONE	6.5	Yes	No	No	NA	No
1_2_11_18	056	Acenaphthene	ug/L	All Data Qualified	0.6	NONE	NONE	1200	2700	NONE	2700	No	No	No	NA	No
1_2_11_18	057	Acenaphthylene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
1_2_11_18	058	Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	9600	110000	NONE	110000	No	No	No	NA	No
1_2_11_18	059	Benzidine	ug/L	All Data Qualified	0.6	NONE	NONE	0.00012	0.00054	NONE	0.00054	No	No	No	NA	No
1_2_11_18	060	Benzo(a)Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
1_2_11_18	061	Benzo(a)Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
1_2_11_18	062	Benzo(b)Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
1_2_11_18	063	Benzo(g,h,i)Perylene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
1_2_11_18	064	Benzo(k)Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
1_2_11_18	065	Bis(2-Chloroethoxy) methane	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
1_2_11_18	066	bis (2-Chloroethyl) ether	ug/L	All Data Qualified	0.6	NONE	NONE	0.031	1.4	NONE	1.4	No	No	No	NA	No
1_2_11_18	067	Bis(2-Chloroisopropyl) Ether	ug/L	All Data Qualified	0.6	NONE	NONE	1400	170000	NONE	170000	No	No	No	NA	No
1_2_11_18	068	bis (2-ethylhexyl) Phthalate	ug/L	Available Data <DL	0.6	NONE	NONE	1.8	5.9	4	4	Yes	No	No	NA	No
1_2_11_18	069	4-Bromophenylphenylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
1_2_11_18	070	Butylbenzylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	3000	5200	NONE	5200	No	No	No	NA	No
1_2_11_18	071	2-Chloronaphthalene	ug/L	All Data Qualified	0.6	NONE	NONE	1700	4300	NONE	4300	No	No	No	NA	No
1_2_11_18	072	4-Chlorophenylphenylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
1_2_11_18	073	Chrysene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
1_2_11_18	074	Dibenzo(a,h)Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
1_2_11_18	075	1,2-Dichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	2700	17000	600	600	No	No	No	NA	No
1_2_11_18	076	1,3-Dichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	400	2600	NONE	2600	No	No	No	NA	No
1_2_11_18	077	1,4-Dichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	400	2600	5	5	No	No	No	NA	No
1_2_11_18	078	3,3'-Dichlorobenzidine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.077	NONE	0.077	No	No	No	NA	No
1_2_11_18	079	Diethylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	23000	120000	NONE	120000	No	No	No	NA	No
1_2_11_18	080	Dimethylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	313000	2900000	NONE	2900000	No	No	No	NA	No
1_2_11_18	081	Di-n-butylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	2700	12000	NONE	12000	No	No	No	NA	No
1_2_11_18	082	2,4-Dinitrotoluene	ug/L	Available Data <DL	0.6	NONE	NONE	0.11	9.1	NONE	9.1	Yes	No	No	NA	No
1_2_11_18	083	2,6-Dinitrotoluene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
1_2_11_18	084	Di-n-octylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
1_2_11_18	085	1,2-Diphenylhydrazine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.54	NONE	0.54	No	No	No	NA	No
1_2_11_18	086	Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	300	370	NONE	370	No	No	No	NA	No
1_2_11_18	087	Fluorene	ug/L	All Data Qualified	0.6	NONE	NONE	1300	14000	NONE	14000	No	No	No	NA	No
1_2_11_18	088	Hexachlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	0.00075	0.00077	NONE	0.00077	No	No	No	NA	No
1_2_11_18	089	Hexachlorobutadiene	ug/L	All Data Qualified	0.6	NONE	NONE	0.44	50	NONE	50	No	No	No	NA	No
1_2_11_18	090	Hexachlorocyclopentadiene	ug/L	All Data Qualified	0.6	NONE	NONE	240	17000	NONE	17000	No	No	No	NA	No
1_2_11_18	091	Hexachloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	1.9	8.9	NONE	8.9	No	No	No	NA	No
1_2_11_18	092	Indeno(1,2,3-cd)Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
1_2_11_18	093	Isophorone	ug/L	All Data Qualified	0.6	NONE	NONE	8.4	600	NONE	600	No	No	No	NA	No
1_2_11_18	094	Naphthalene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
1_2_11_18	095	Nitrobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	17	1900	NONE	1900	No	No	No	NA	No

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

Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 001, 002, 011 018)

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA										
						Freshwater		Human Health		Basin Plan	C = Lowest	Is Effluent Data	Was Constituent Detected in	Are all Detection Limits >	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	C	MEC = Min (DL)	MEC >= C
1_2_11_18	096	N-Nitrosodimethylamine	ug/L	Available Data <DL	0.6	NONE	NONE	0.00069	8.1	NONE	8.1	Yes	No	No	NA	No
1_2_11_18	097	n-Nitroso-di-n-propylamine	ug/L	All Data Qualified	0.6	NONE	NONE	0.005	1.4	NONE	1.4	No	No	No	NA	No
1_2_11_18	098	N-Nitrosodiphenylamine	ug/L	All Data Qualified	0.6	NONE	NONE	5	16	NONE	16	No	No	No	NA	No
1_2_11_18	099	Phenanthrene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
1_2_11_18	100	Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	960	11000	NONE	11000	No	No	No	NA	No
1_2_11_18	101	1,2,4-Trichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
1_2_11_18	102	Aldrin	ug/L	All Data Qualified	0.6	3	NONE	0.00013	0.00014	NONE	0.00014	No	No	No	NA	No
1_2_11_18	103	alpha-BHC	ug/L	Available Data <DL	0.6	NONE	NONE	0.0039	0.013	NONE	0.013	Yes	No	No	NA	No
1_2_11_18	104	beta-BHC	ug/L	All Data Qualified	0.6	NONE	NONE	0.014	0.046	NONE	0.046	No	No	No	NA	No
1_2_11_18	105	Lindane (gamma-BHC)	ug/L	All Data Qualified	0.6	0.95	NONE	0.019	0.063	0.2	0.063	No	No	No	NA	No
1_2_11_18	106	delta-BHC	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
1_2_11_18	107	Chlordane	ug/L	All Data Qualified	0.6	2.4	0.0043	0.00057	0.00059	NONE	0.00059	No	No	No	NA	No
1_2_11_18	108	4,4'-DDT	ug/L	All Data Qualified	0.6	1.1	0.001	0.00059	0.00059	NONE	0.00059	No	No	No	NA	No
1_2_11_18	109	4,4'-DDE	ug/L	All Data Qualified	0.6	NONE	NONE	0.00059	0.00059	NONE	0.00059	No	No	No	NA	No
1_2_11_18	110	4,4'-DDD	ug/L	All Data Qualified	0.6	NONE	NONE	0.00083	0.00084	NONE	0.00084	No	No	No	NA	No
1_2_11_18	111	Dieldrin	ug/L	All Data Qualified	0.6	0.24	0.056	0.00014	0.00014	NONE	0.00014	No	No	No	NA	No
1_2_11_18	112	Endosulfan I	ug/L	All Data Qualified	0.6	0.22	0.056	110	240	NONE	0.056	No	No	No	NA	No
1_2_11_18	113	Endosulfan II	ug/L	All Data Qualified	0.6	0.22	0.056	110	240	NONE	0.056	No	No	No	NA	No
1_2_11_18	114	Endosulfan Sulfate	ug/L	All Data Qualified	0.6	NONE	NONE	110	240	NONE	240	No	No	No	NA	No
1_2_11_18	115	Endrin	ug/L	All Data Qualified	0.6	0.086	0.036	0.76	0.81	NONE	0.036	No	No	No	NA	No
1_2_11_18	116	Endrin Aldehyde	ug/L	All Data Qualified	0.6	NONE	NONE	0.76	0.81	NONE	0.81	No	No	No	NA	No
1_2_11_18	117	Heptachlor	ug/L	All Data Qualified	0.6	0.52	0.0038	0.00021	0.00021	NONE	0.00021	No	No	No	NA	No
1_2_11_18	118	Heptachlor Epoxide	ug/L	All Data Qualified	0.6	0.52	0.0038	0.0001	0.00011	NONE	0.00011	No	No	No	NA	No
1_2_11_18	119	Aroclor-1016	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
1_2_11_18	120	Aroclor-1221	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
1_2_11_18	121	Aroclor-1232	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
1_2_11_18	122	Aroclor-1242	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
1_2_11_18	123	Aroclor-1248	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
1_2_11_18	124	Aroclor-1254	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
1_2_11_18	125	Aroclor-1260	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
1_2_11_18	126	Toxaphene	ug/L	All Data Qualified	0.6	0.73	0.0002	0.0073	0.00075	NONE	0.0002	No	No	No	NA	No
3_10	001	Antimony	ug/L	1.7	0.6	NONE	NONE	14	4300	6	6	Yes	Yes	NA	NA	No
3_10	002	Arsenic	ug/L	All Data Qualified	0.6	340	150	NONE	NONE	50	50	No	No	No	NA	No
3_10	003	Beryllium	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	4	4	No	No	No	NA	No
3_10	004	Cadmium	ug/L	0.12	0.6	NONE	2.46	Narrative	Narrative	5	2.46	Yes	Yes	NA	NA	No
3_10	005a	Chromium	ug/L	All Data Qualified	0.6	NONE	206.98	Narrative	Narrative	NONE	206.98	No	No	No	NA	No
3_10	005b	Chromium VI	ug/L	All Data Qualified	0.6	16.3	11.43	Narrative	Narrative	50	11.43	No	No	No	NA	No
3_10	006	Copper	ug/L	9.6	0.6	NONE	9.33	1300	NONE	NONE	9.33	Yes	Yes	NA	NA	Yes
3_10	007	Lead	ug/L	11	0.6	NONE	3.18	Narrative	Narrative	NONE	3.18	Yes	Yes	NA	NA	Yes
3_10	008	Mercury	ug/L	All Data Qualified	0.6	Reserved	Reserved	0.05	0.051	2	0.051	No	No	No	NA	No
3_10	009	Nickel	ug/L	All Data Qualified	0.6	NONE	52.16	610	4600	100	52.2	No	No	No	NA	No
3_10	010	Selenium	ug/L	All Data Qualified	0.6	Reserved	5	Narrative	Narrative	50	5	No	No	No	NA	No
3_10	011	Silver	ug/L	All Data Qualified	0.6	NONE	none	NONE	NONE	NONE	4.06	No	No	No	NA	No
3_10	012	Thallium	ug/L	Available Data <DL	0.6	NONE	NONE	1.7	6.3	2	2	Yes	No	No	NA	No
3_10	013	Zinc	ug/L	All Data Qualified	0.6	NONE	119.8	none	NONE	NONE	119.8	No	No	No	NA	No
3_10	014	Total Cyanide	ug/L	Available Data <DL	0.6	22	5.2	700	220000	200	5.2	Yes	No	No	NA	No
3_10	014	Total Cyanide	ug/L	Available Data <DL	0.6	22	5.2	700	220000	200	5.2	Yes	No	No	NA	No
3_10	015	Asbestos	Fibers/L	All Data Qualified	0.6	NONE	NONE	7000000	NONE	7x10^6	700000	No	No	No	NA	No

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

Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 001, 002, 011 018)

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA										
						Freshwater		Human Health		Basin Plan	C = Lowest	Is Effluent Data	Was Constituent Detected in	Are all Detection Limits >	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	C	MEC = Min (DL)	MEC >= C
3_10	016	TCDD TEQ_NoDNQ	ug/L	0.000000039	0.6	NONE	NONE	1.3e-008	1.4e-008	3x10^-5	0.000000014	Yes	Yes	NA	NA	Yes
3_10	017	Acrolein	ug/L	All Data Qualified	0.6	NONE	NONE	320	780	NONE	780	No	No	No	NA	No
3_10	018	Acrylonitrile	ug/L	All Data Qualified	0.6	NONE	NONE	0.059	0.66	NONE	0.66	No	No	No	NA	No
3_10	019	Benzene	ug/L	All Data Qualified	0.6	NONE	NONE	1.2	71	1	1	No	No	No	NA	No
3_10	020	Bromoform	ug/L	All Data Qualified	0.6	NONE	NONE	4.3	360	NONE	360	No	No	No	NA	No
3_10	021	Carbon Tetrachloride	ug/L	All Data Qualified	0.6	NONE	NONE	0.25	4.4	600	4.4	No	No	No	NA	No
3_10	022	Chlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	680	21000	NONE	21000	No	No	No	NA	No
3_10	023	Dibromochloromethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.401	34	NONE	34	No	No	No	NA	No
3_10	024	Chloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_10	025	2-Chloroethylvinylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_10	026	Chloroform	ug/L	All Data Qualified	0.6	NONE	NONE	Reserved	Reserved	NONE	NONE	No	No	No	NA	No
3_10	027	Bromodichloromethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.56	46	NONE	46	No	No	No	NA	No
3_10	028	1,1-Dichloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	5	5	No	No	No	NA	No
3_10	029	1,2-Dichloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.38	99	0.5	0.5	No	No	No	NA	No
3_10	030	1,1-Dichloroethene	ug/L	All Data Qualified	0.6	NONE	NONE	0.057	3.2	6	3.2	No	No	No	NA	No
3_10	031	1,2-Dichloropropane	ug/L	All Data Qualified	0.6	NONE	NONE	0.52	39	5	5	No	No	No	NA	No
3_10	032	1,3-Dichloropropene (Total)	ug/L	All Data Qualified	0.6	NONE	NONE	10	1700	0.5	0.5	No	No	No	NA	No
3_10	033	Ethylbenzene	ug/L	All Data Qualified	0.6	NONE	NONE	3100	29000	0.7	0.7	No	No	No	NA	No
3_10	034	Bromomethane	ug/L	All Data Qualified	0.6	NONE	NONE	48	4000	NONE	4000	No	No	No	NA	No
3_10	035	Chloromethane	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	NONE	NONE	No	No	No	NA	No
3_10	036	Methylene chloride	ug/L	All Data Qualified	0.6	NONE	NONE	4.7	1600	NONE	1600	No	No	No	NA	No
3_10	037	1,1,2,2-Tetrachloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.17	11	1	1	No	No	No	NA	No
3_10	038	Tetrachloroethene	ug/L	All Data Qualified	0.6	NONE	NONE	0.8	8.85	5	5	No	No	No	NA	No
3_10	039	Toluene	ug/L	All Data Qualified	0.6	NONE	NONE	6800	200000	150	150	No	No	No	NA	No
3_10	040	trans-1,2-Dichloroethene	ug/L	All Data Qualified	0.6	NONE	NONE	700	140000	10	10	No	No	No	NA	No
3_10	041	1,1,1-Trichloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	200	200	No	No	No	NA	No
3_10	042	1,1,2-trichloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.6	42	5	5	No	No	No	NA	No
3_10	043	Trichloroethene	ug/L	All Data Qualified	0.6	NONE	NONE	2.7	81	5	5	No	No	No	NA	No
3_10	044	Vinyl chloride	ug/L	All Data Qualified	0.6	NONE	NONE	2	525	0.5	0.5	No	No	No	NA	No
3_10	045	2-chlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	120	400	NONE	400	No	No	No	NA	No
3_10	046	2,4-Dichlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	93	790	NONE	790	No	No	No	NA	No
3_10	047	2,4-dimethylphenol	ug/L	All Data Qualified	0.6	NONE	NONE	540	2300	NONE	2300	No	No	No	NA	No
3_10	048	2-Methyl-4,6-dinitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	13.4	765	NONE	765	No	No	No	NA	No
3_10	049	2,4-dinitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	70	14000	NONE	14000	No	No	No	NA	No
3_10	050	2-nitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_10	051	4-nitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_10	052	4-Chloro-3-methylphenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_10	053	Pentachlorophenol	ug/L	All Data Qualified	0.6	pH dependent	pH dependent	0.28	8.2	1	1	No	No	No	NA	No
3_10	054	Phenol	ug/L	All Data Qualified	0.6	NONE	NONE	21000	4600000	NONE	4600000	No	No	No	NA	No
3_10	055	2,4,6-Trichlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	2.1	6.5	NONE	6.5	No	No	No	NA	No
3_10	056	Acenaphthene	ug/L	All Data Qualified	0.6	NONE	NONE	1200	2700	NONE	2700	No	No	No	NA	No
3_10	057	Acenaphthylene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_10	058	Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	9600	110000	NONE	110000	No	No	No	NA	No
3_10	059	Benzidine	ug/L	All Data Qualified	0.6	NONE	NONE	0.00012	0.00054	NONE	0.00054	No	No	No	NA	No
3_10	060	Benzo(a)Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3_10	061	Benzo(a)Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3_10	062	Benzo(b)Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3_10	063	Benzo(g,h,i)Perylene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No

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

Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 001, 002, 011 018)

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA										
						Freshwater		Human Health		Basin Plan	C = Lowest	Is Effluent Data	Was Constituent Detected in	Are all Detection Limits >	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	C	MEC = Min (DL)	MEC >= C
3_10	064	Benzo(k)Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3_10	065	Bis(2-Chloroethoxy) methane	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_10	066	bis (2-Chloroethyl) ether	ug/L	All Data Qualified	0.6	NONE	NONE	0.031	1.4	NONE	1.4	No	No	No	NA	No
3_10	067	Bis(2-Chloroisopropyl) Ether	ug/L	All Data Qualified	0.6	NONE	NONE	1400	170000	NONE	170000	No	No	No	NA	No
3_10	068	bis (2-ethylhexyl) Phthalate	ug/L	All Data Qualified	0.6	NONE	NONE	1.8	5.9	4	4	No	No	No	NA	No
3_10	069	4-Bromophenylphenylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_10	070	Butylbenzylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	3000	5200	NONE	5200	No	No	No	NA	No
3_10	071	2-Chloronaphthalene	ug/L	All Data Qualified	0.6	NONE	NONE	1700	4300	NONE	4300	No	No	No	NA	No
3_10	072	4-Chlorophenylphenylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_10	073	Chrysene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3_10	074	Dibenzo(a,h)Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3_10	075	1,2-Dichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	2700	17000	600	600	No	No	No	NA	No
3_10	076	1,3-Dichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	400	2600	NONE	2600	No	No	No	NA	No
3_10	077	1,4-Dichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	400	2600	5	5	No	No	No	NA	No
3_10	078	3,3'-Dichlorobenzidine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.077	NONE	0.077	No	No	No	NA	No
3_10	079	Diethylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	23000	120000	NONE	120000	No	No	No	NA	No
3_10	080	Dimethylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	313000	2900000	NONE	2900000	No	No	No	NA	No
3_10	081	Di-n-butylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	2700	12000	NONE	12000	No	No	No	NA	No
3_10	082	2,4-Dinitrotoluene	ug/L	All Data Qualified	0.6	NONE	NONE	0.11	9.1	NONE	9.1	No	No	No	NA	No
3_10	083	2,6-Dinitrotoluene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_10	084	Di-n-octylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_10	085	1,2-Diphenylhydrazine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.54	NONE	0.54	No	No	No	NA	No
3_10	086	Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	300	370	NONE	370	No	No	No	NA	No
3_10	087	Fluorene	ug/L	All Data Qualified	0.6	NONE	NONE	1300	14000	NONE	14000	No	No	No	NA	No
3_10	088	Hexachlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	0.00075	0.00077	NONE	0.00077	No	No	No	NA	No
3_10	089	Hexachlorobutadiene	ug/L	All Data Qualified	0.6	NONE	NONE	0.44	50	NONE	50	No	No	No	NA	No
3_10	090	Hexachlorocyclopentadiene	ug/L	All Data Qualified	0.6	NONE	NONE	240	17000	NONE	17000	No	No	No	NA	No
3_10	091	Hexachloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	1.9	8.9	NONE	8.9	No	No	No	NA	No
3_10	092	Indeno(1,2,3-cd)Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3_10	093	Isophorone	ug/L	All Data Qualified	0.6	NONE	NONE	8.4	600	NONE	600	No	No	No	NA	No
3_10	094	Naphthalene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_10	095	Nitrobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	17	1900	NONE	1900	No	No	No	NA	No
3_10	096	N-Nitrosodimethylamine	ug/L	All Data Qualified	0.6	NONE	NONE	0.00069	8.1	NONE	8.1	No	No	No	NA	No
3_10	097	n-Nitroso-di-n-propylamine	ug/L	All Data Qualified	0.6	NONE	NONE	0.005	1.4	NONE	1.4	No	No	No	NA	No
3_10	098	N-Nitrosodiphenylamine	ug/L	All Data Qualified	0.6	NONE	NONE	5	16	NONE	16	No	No	No	NA	No
3_10	099	Phenanthrene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_10	100	Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	960	11000	NONE	11000	No	No	No	NA	No
3_10	101	1,2,4-Trichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_10	102	Aldrin	ug/L	All Data Qualified	0.6	3	NONE	0.00013	0.00014	NONE	0.00014	No	No	No	NA	No
3_10	103	alpha-BHC	ug/L	All Data Qualified	0.6	NONE	NONE	0.0039	0.013	NONE	0.013	No	No	No	NA	No
3_10	104	beta-BHC	ug/L	All Data Qualified	0.6	NONE	NONE	0.014	0.046	NONE	0.046	No	No	No	NA	No
3_10	105	Lindane (gamma-BHC)	ug/L	All Data Qualified	0.6	0.95	NONE	0.019	0.063	0.2	0.063	No	No	No	NA	No
3_10	106	delta-BHC	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3_10	107	Chlordane	ug/L	All Data Qualified	0.6	2.4	0.0043	0.00057	0.00059	NONE	0.00059	No	No	No	NA	No
3_10	108	4,4'-DDT	ug/L	All Data Qualified	0.6	1.1	0.001	0.00059	0.00059	NONE	0.00059	No	No	No	NA	No
3_10	109	4,4'-DDE	ug/L	All Data Qualified	0.6	NONE	NONE	0.00059	0.00059	NONE	0.00059	No	No	No	NA	No
3_10	110	4,4'-DDD	ug/L	All Data Qualified	0.6	NONE	NONE	0.00083	0.00084	NONE	0.00084	No	No	No	NA	No
3_10	111	Dieldrin	ug/L	All Data Qualified	0.6	0.24	0.056	0.00014	0.00014	NONE	0.00014	No	No	No	NA	No

Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 001, 002, 011 018)

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA						Is Effluent	Was Constituent	Are all		
						Freshwater		Human Health		Basin Plan	C = Lowest	Data	Detected in	Detection Limits >	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	C	MEC = Min (DL)	MEC >= C
3_10	112	Endosulfan I	ug/L	All Data Qualified	0.6	0.22	0.056	110	240	NONE	0.056	No	No	No	NA	No
3_10	113	Endosulfan II	ug/L	All Data Qualified	0.6	0.22	0.056	110	240	NONE	0.056	No	No	No	NA	No
3_10	114	Endosulfan Sulfate	ug/L	All Data Qualified	0.6	NONE	NONE	110	240	NONE	240	No	No	No	NA	No
3_10	115	Endrin	ug/L	All Data Qualified	0.6	0.086	0.036	0.76	0.81	NONE	0.036	No	No	No	NA	No
3_10	116	Endrin Aldehyde	ug/L	All Data Qualified	0.6	NONE	NONE	0.76	0.81	NONE	0.81	No	No	No	NA	No
3_10	117	Heptachlor	ug/L	All Data Qualified	0.6	0.52	0.0038	0.00021	0.00021	NONE	0.00021	No	No	No	NA	No
3_10	118	Heptachlor Epoxide	ug/L	All Data Qualified	0.6	0.52	0.0038	0.0001	0.00011	NONE	0.00011	No	No	No	NA	No
3_10	119	Aroclor-1016	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
3_10	120	Aroclor-1221	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
3_10	121	Aroclor-1232	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
3_10	122	Aroclor-1242	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
3_10	123	Aroclor-1248	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
3_10	124	Aroclor-1254	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
3_10	125	Aroclor-1260	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
3_10	126	Toxaphene	ug/L	All Data Qualified	0.6	0.73	0.0002	0.0073	0.00075	NONE	0.0002	No	No	No	NA	No
8	001	Antimony	ug/L	Available Data <DL	0.6	NONE	NONE	14	4300	6	6	Yes	No	No	NA	No
8	002	Arsenic	ug/L	All Data Qualified	0.6	340	150	NONE	NONE	50	50	No	No	No	NA	No
8	003	Beryllium	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	4	4	No	No	No	NA	No
8	004	Cadmium	ug/L	Available Data <DL	0.6	NONE	2.46	Narrative	Narrative	5	2.46	Yes	No	No	NA	No
8	005a	Chromium	ug/L	All Data Qualified	0.6	NONE	206.98	Narrative	Narrative	NONE	206.98	No	No	No	NA	No
8	005b	Chromium VI	ug/L	All Data Qualified	0.6	16.293279022	11.43	Narrative	Narrative	50	11.43	No	No	No	NA	No
8	006	Copper	ug/L	9.07	0.6	NONE	9.33	1300	NONE	NONE	9.33	Yes	Yes	NA	NA	No
8	007	Lead	ug/L	6.7	0.6	NONE	3.18	Narrative	Narrative	NONE	3.18	Yes	Yes	NA	NA	Yes
8	008	Mercury	ug/L	All Data Qualified	0.6	Reserved	Reserved	0.05	0.051	2	0.05	No	No	No	NA	No
8	009	Nickel	ug/L	All Data Qualified	0.6	NONE	52.16	610	4600	100	52.16	No	No	No	NA	No
8	010	Selenium	ug/L	Available Data <DL	0.6	Reserved	5	Narrative	Narrative	50	5	Yes	No	No	NA	No
8	011	Silver	ug/L	All Data Qualified	0.6	NONE	none	NONE	NONE	NONE	4.06	No	No	No	NA	No
8	012	Thallium	ug/L	Available Data <DL	0.6	NONE	NONE	1.7	6.3	2	2	Yes	No	No	NA	No
8	013	Zinc	ug/L	43.5	0.6	NONE	119.8	none	NONE	NONE	119.8	Yes	Yes	NA	NA	No
8	014	Total Cyanide	ug/L	Available Data <DL	0.6	22	5.2	700	220000	200	5.2	Yes	No	No	NA	No
8	015	Asbestos	Fibers/L	All Data Qualified	0.6	NONE	NONE	7000000	NONE	7x10^6	700000	No	No	No	NA	No
8	016	TCDD TEQ_NoDNQ	ug/L	Available Data <DL	0.6	NONE	NONE	1.3e-008	1.4e-008	3x10^-5	0.000000014	Yes	No	No	NA	No
8	017	Acrolein	ug/L	All Data Qualified	0.6	NONE	NONE	320	780	NONE	780	No	No	No	NA	No
8	018	Acrylonitrile	ug/L	All Data Qualified	0.6	NONE	NONE	0.059	0.66	NONE	0.66	No	No	No	NA	No
8	019	Benzene	ug/L	All Data Qualified	0.6	NONE	NONE	1.2	71	1	1	No	No	No	NA	No
8	020	Bromoform	ug/L	All Data Qualified	0.6	NONE	NONE	4.3	360	NONE	360	No	No	No	NA	No
8	021	Carbon Tetrachloride	ug/L	All Data Qualified	0.6	NONE	NONE	0.25	4.4	600	4.4	No	No	No	NA	No
8	022	Chlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	680	21000	NONE	21000	No	No	No	NA	No
8	023	Dibromochloromethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.401	34	NONE	34	No	No	No	NA	No
8	024	Chloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	025	2-Chloroethylvinylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	026	Chloroform	ug/L	All Data Qualified	0.6	NONE	NONE	Reserved	Reserved	NONE	NONE	No	No	No	NA	No
8	027	Bromodichloromethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.56	46	NONE	46	No	No	No	NA	No
8	028	1,1-Dichloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	5	5	No	No	No	NA	No
8	029	1,2-Dichloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.38	99	0.5	0.5	No	No	No	NA	No
8	030	1,1-Dichloroethene	ug/L	All Data Qualified	0.6	NONE	NONE	0.057	3.2	6	3.2	No	No	No	NA	No
8	031	1,2-Dichloropropane	ug/L	All Data Qualified	0.6	NONE	NONE	0.52	39	5	5	No	No	No	NA	No
8	032	1,3-Dichloropropene (Total)	ug/L	All Data Qualified	0.6	NONE	NONE	10	1700	0.5	0.5	No	No	No	NA	No

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

Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 001, 002, 011 018)

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA										
						Freshwater		Human Health		Basin Plan	C = Lowest	Is Effluent Data	Was Constituent Detected in	Are all Detection Limits >	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	C	MEC = Min (DL)	MEC >= C
8	033	Ethylbenzene	ug/L	All Data Qualified	0.6	NONE	NONE	3100	29000	0.7	0.7	No	No	No	NA	No
8	034	Bromomethane	ug/L	All Data Qualified	0.6	NONE	NONE	48	4000	NONE	4000	No	No	No	NA	No
8	035	Chloromethane	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	NONE	NONE	No	No	No	NA	No
8	036	Methylene chloride	ug/L	All Data Qualified	0.6	NONE	NONE	4.7	1600	NONE	1600	No	No	No	NA	No
8	037	1,1,2,2-Tetrachloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.17	11	1	1	No	No	No	NA	No
8	038	Tetrachloroethene	ug/L	All Data Qualified	0.6	NONE	NONE	0.8	8.85	5	5	No	No	No	NA	No
8	039	Toluene	ug/L	All Data Qualified	0.6	NONE	NONE	6800	200000	150	150	No	No	No	NA	No
8	040	trans-1,2-Dichloroethene	ug/L	All Data Qualified	0.6	NONE	NONE	700	140000	10	10	No	No	No	NA	No
8	041	1,1,1-Trichloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	200	200	No	No	No	NA	No
8	042	1,1,2-trichloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.6	42	5	5	No	No	No	NA	No
8	043	Trichloroethene	ug/L	All Data Qualified	0.6	NONE	NONE	2.7	81	5	5	No	No	No	NA	No
8	044	Vinyl chloride	ug/L	All Data Qualified	0.6	NONE	NONE	2	525	0.5	0.5	No	No	No	NA	No
8	045	2-chlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	120	400	NONE	400	No	No	No	NA	No
8	046	2,4-Dichlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	93	790	NONE	790	No	No	No	NA	No
8	047	2,4-dimethylphenol	ug/L	All Data Qualified	0.6	NONE	NONE	540	2300	NONE	2300	No	No	No	NA	No
8	048	2-Methyl-4,6-dinitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	13.4	765	NONE	765	No	No	No	NA	No
8	049	2,4-dinitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	70	14000	NONE	14000	No	No	No	NA	No
8	050	2-nitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	051	4-nitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	052	4-Chloro-3-methylphenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	053	Pentachlorophenol	ug/L	All Data Qualified	0.6	pH dependent	pH dependent	0.28	8.2	1	1	No	No	No	NA	No
8	054	Phenol	ug/L	All Data Qualified	0.6	NONE	NONE	21000	4600000	NONE	4600000	No	No	No	NA	No
8	055	2,4,6-Trichlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	2.1	6.5	NONE	6.5	No	No	No	NA	No
8	056	Acenaphthene	ug/L	All Data Qualified	0.6	NONE	NONE	1200	2700	NONE	2700	No	No	No	NA	No
8	057	Acenaphthylene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	058	Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	9600	110000	NONE	110000	No	No	No	NA	No
8	059	Benzidine	ug/L	All Data Qualified	0.6	NONE	NONE	0.00012	0.00054	NONE	0.00054	No	No	No	NA	No
8	060	Benzo(a)Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
8	061	Benzo(a)Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
8	062	Benzo(b)Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
8	063	Benzo(g,h,i)Perylene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	064	Benzo(k)Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
8	065	Bis(2-Chloroethoxy) methane	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	066	bis (2-Chloroethyl) ether	ug/L	All Data Qualified	0.6	NONE	NONE	0.031	1.4	NONE	1.4	No	No	No	NA	No
8	067	Bis(2-Chloroisopropyl) Ether	ug/L	All Data Qualified	0.6	NONE	NONE	1400	170000	NONE	170000	No	No	No	NA	No
8	068	bis (2-ethylhexyl) Phthalate	ug/L	All Data Qualified	0.6	NONE	NONE	1.8	5.9	4	4	No	No	No	NA	No
8	069	4-Bromophenylphenylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	070	Butylbenzylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	3000	5200	NONE	5200	No	No	No	NA	No
8	071	2-Chloronaphthalene	ug/L	All Data Qualified	0.6	NONE	NONE	1700	4300	NONE	4300	No	No	No	NA	No
8	072	4-Chlorophenylphenylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	073	Chrysene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
8	074	Dibenzo(a,h)Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
8	075	1,2-Dichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	2700	17000	600	600	No	No	No	NA	No
8	076	1,3-Dichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	400	2600	NONE	2600	No	No	No	NA	No
8	077	1,4-Dichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	400	2600	5	5	No	No	No	NA	No
8	078	3,3'-Dichlorobenzidine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.077	NONE	0.077	No	No	No	NA	No
8	079	Diethylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	23000	120000	NONE	120000	No	No	No	NA	No
8	080	Dimethylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	313000	2900000	NONE	2900000	No	No	No	NA	No

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

Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 001, 002, 011 018)

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA										
						Freshwater		Human Health		Basin Plan	C = Lowest	Is Effluent Data	Was Constituent Detected in	Are all Detection Limits >	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	C	MEC = Min (DL)	MEC >= C
8	081	Di-n-butylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	2700	12000	NONE	12000	No	No	No	NA	No
8	082	2,4-Dinitrotoluene	ug/L	All Data Qualified	0.6	NONE	NONE	0.11	9.1	NONE	9.1	No	No	No	NA	No
8	083	2,6-Dinitrotoluene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	084	Di-n-octylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	085	1,2-Diphenylhydrazine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.54	NONE	0.54	No	No	No	NA	No
8	086	Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	300	370	NONE	370	No	No	No	NA	No
8	087	Fluorene	ug/L	All Data Qualified	0.6	NONE	NONE	1300	14000	NONE	14000	No	No	No	NA	No
8	088	Hexachlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	0.00075	0.00077	NONE	0.00077	No	No	No	NA	No
8	089	Hexachlorobutadiene	ug/L	All Data Qualified	0.6	NONE	NONE	0.44	50	NONE	50	No	No	No	NA	No
8	090	Hexachlorocyclopentadiene	ug/L	All Data Qualified	0.6	NONE	NONE	240	17000	NONE	17000	No	No	No	NA	No
8	091	Hexachloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	1.9	8.9	NONE	8.9	No	No	No	NA	No
8	092	Indeno(1,2,3-cd)Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
8	093	Isophorone	ug/L	All Data Qualified	0.6	NONE	NONE	8.4	600	NONE	600	No	No	No	NA	No
8	094	Naphthalene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	095	Nitrobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	17	1900	NONE	1900	No	No	No	NA	No
8	096	N-Nitrosodimethylamine	ug/L	All Data Qualified	0.6	NONE	NONE	0.00069	8.1	NONE	8.1	No	No	No	NA	No
8	097	n-Nitroso-di-n-propylamine	ug/L	All Data Qualified	0.6	NONE	NONE	0.005	1.4	NONE	1.4	No	No	No	NA	No
8	098	N-Nitrosodiphenylamine	ug/L	All Data Qualified	0.6	NONE	NONE	5	16	NONE	16	No	No	No	NA	No
8	099	Phenanthrene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	100	Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	960	11000	NONE	11000	No	No	No	NA	No
8	101	1,2,4-Trichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	102	Aldrin	ug/L	All Data Qualified	0.6	3	NONE	0.00013	0.00014	NONE	0.00014	No	No	No	NA	No
8	103	alpha-BHC	ug/L	All Data Qualified	0.6	NONE	NONE	0.0039	0.013	NONE	0.013	No	No	No	NA	No
8	104	beta-BHC	ug/L	All Data Qualified	0.6	NONE	NONE	0.014	0.046	NONE	0.046	No	No	No	NA	No
8	105	Lindane (gamma-BHC)	ug/L	All Data Qualified	0.6	0.95	NONE	0.019	0.063	0.2	0.063	No	No	No	NA	No
8	106	delta-BHC	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	107	Chlordane	ug/L	All Data Qualified	0.6	2.4	0.0043	0.00057	0.00059	NONE	0.00059	No	No	No	NA	No
8	108	4,4'-DDT	ug/L	All Data Qualified	0.6	1.1	0.001	0.00059	0.00059	NONE	0.00059	No	No	No	NA	No
8	109	4,4'-DDE	ug/L	All Data Qualified	0.6	NONE	NONE	0.00059	0.00059	NONE	0.00059	No	No	No	NA	No
8	110	4,4'-DDD	ug/L	All Data Qualified	0.6	NONE	NONE	0.00083	0.00084	NONE	0.00084	No	No	No	NA	No
8	111	Dieldrin	ug/L	All Data Qualified	0.6	0.24	0.056	0.00014	0.00014	NONE	0.00014	No	No	No	NA	No
8	112	Endosulfan I	ug/L	All Data Qualified	0.6	0.22	0.056	110	240	NONE	0.056	No	No	No	NA	No
8	113	Endosulfan II	ug/L	All Data Qualified	0.6	0.22	0.056	110	240	NONE	0.056	No	No	No	NA	No
8	114	Endosulfan Sulfate	ug/L	All Data Qualified	0.6	NONE	NONE	110	240	NONE	240	No	No	No	NA	No
8	115	Endrin	ug/L	All Data Qualified	0.6	0.086	0.036	0.76	0.81	NONE	0.036	No	No	No	NA	No
8	116	Endrin Aldehyde	ug/L	All Data Qualified	0.6	NONE	NONE	0.76	0.81	NONE	0.81	No	No	No	NA	No
8	117	Heptachlor	ug/L	All Data Qualified	0.6	0.52	0.0038	0.00021	0.00021	NONE	0.00021	No	No	No	NA	No
8	118	Heptachlor Epoxide	ug/L	All Data Qualified	0.6	0.52	0.0038	0.0001	0.00011	NONE	0.00011	No	No	No	NA	No
8	119	Aroclor-1016	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
8	120	Aroclor-1221	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
8	121	Aroclor-1232	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
8	122	Aroclor-1242	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
8	123	Aroclor-1248	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
8	124	Aroclor-1254	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
8	125	Aroclor-1260	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
8	126	Toxaphene	ug/L	All Data Qualified	0.6	0.73	0.0002	0.0073	0.00075	NONE	0.0002	No	No	No	NA	No

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

Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 003 - 010)

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA										
						Freshwater		Human Health		Basin Plan	C = Lowest	Is Effluent Data	Was Constituent Detected in	Are all Detection Limits >	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	C	MEC = Min (DL)	MEC >= C
3-7, 9-10	001	Antimony	ug/L	1.7	0.6	NONE	NONE	14	4300	6	6	Yes	Yes	NA	NA	No
3-7, 9-10	002	Arsenic	ug/L	All Data Qualified	0.6	340	150	NONE	NONE	50	50	No	No	No	NA	No
3-7, 9-10	003	Beryllium	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	4	4	No	No	No	NA	No
3-7, 9-10	004	Cadmium	ug/L	0.12	0.6	NONE	2.46	Narrative	Narrative	5	2.46	Yes	Yes	NA	NA	No
3-7, 9-10	005a	Chromium	ug/L	All Data Qualified	0.6	NONE	206.98	Narrative	Narrative	NONE	206.98	No	No	No	NA	No
3-7, 9-10	005b	Chromium VI	ug/L	All Data Qualified	0.6	16.3	11.43	Narrative	Narrative	50	11.43	No	No	No	NA	No
3-7, 9-10	006	Copper	ug/L	9.6	0.6	NONE	9.33	1300	NONE	NONE	9.33	Yes	Yes	NA	NA	Yes
3-7, 9-10	007	Lead	ug/L	11	0.6	NONE	3.18	Narrative	Narrative	NONE	3.18	Yes	Yes	NA	NA	Yes
3-7, 9-10	008	Mercury	ug/L	All Data Qualified	0.6	Reserved	Reserved	0.05	0.051	2	0.051	No	No	No	NA	No
3-7, 9-10	009	Nickel	ug/L	All Data Qualified	0.6	NONE	52.16	610	4600	100	52.2	No	No	No	NA	No
3-7, 9-10	010	Selenium	ug/L	All Data Qualified	0.6	Reserved	5	Narrative	Narrative	50	5	No	No	No	NA	No
3-7, 9-10	011	Silver	ug/L	All Data Qualified	0.6	NONE	none	NONE	NONE	NONE	4.06	No	No	No	NA	No
3-7, 9-10	012	Thallium	ug/L	Available Data <DL	0.6	NONE	NONE	1.7	6.3	2	2	Yes	No	No	NA	No
3-7, 9-10	013	Zinc	ug/L	All Data Qualified	0.6	NONE	119.8	none	NONE	NONE	119.8	No	No	No	NA	No
3-7, 9-10	014	Total Cyanide	ug/L	Available Data <DL	0.6	22	5.2	700	220000	200	5.2	Yes	No	No	NA	No
3-7, 9-10	014	Total Cyanide	ug/L	Available Data <DL	0.6	22	5.2	700	220000	200	5.2	Yes	No	No	NA	No
3-7, 9-10	015	Asbestos	Fibers/L	All Data Qualified	0.6	NONE	NONE	7000000	NONE	7x10^6	700000	No	No	No	NA	No
3-7, 9-10	016	TCDD TEQ_NoDNQ	ug/L	0.000000039	0.6	NONE	NONE	1.3e-008	1.4e-008	3x10^-5	0.000000014	Yes	Yes	NA	NA	Yes
3-7, 9-10	017	Acrolein	ug/L	All Data Qualified	0.6	NONE	NONE	320	780	NONE	780	No	No	No	NA	No
3-7, 9-10	018	Acrylonitrile	ug/L	All Data Qualified	0.6	NONE	NONE	0.059	0.66	NONE	0.66	No	No	No	NA	No
3-7, 9-10	019	Benzene	ug/L	All Data Qualified	0.6	NONE	NONE	1.2	71	1	1	No	No	No	NA	No
3-7, 9-10	020	Bromoform	ug/L	All Data Qualified	0.6	NONE	NONE	4.3	360	NONE	360	No	No	No	NA	No
3-7, 9-10	021	Carbon Tetrachloride	ug/L	All Data Qualified	0.6	NONE	NONE	0.25	4.4	600	4.4	No	No	No	NA	No
3-7, 9-10	022	Chlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	680	21000	NONE	21000	No	No	No	NA	No
3-7, 9-10	023	Dibromochloromethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.401	34	NONE	34	No	No	No	NA	No
3-7, 9-10	024	Chloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9-10	025	2-Chloroethylvinylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9-10	026	Chloroform	ug/L	All Data Qualified	0.6	NONE	NONE	Reserved	Reserved	NONE	NONE	No	No	No	NA	No
3-7, 9-10	027	Bromodichloromethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.56	46	NONE	46	No	No	No	NA	No
3-7, 9-10	028	1,1-Dichloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	5	5	No	No	No	NA	No
3-7, 9-10	029	1,2-Dichloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.38	99	0.5	0.5	No	No	No	NA	No
3-7, 9-10	030	1,1-Dichloroethene	ug/L	All Data Qualified	0.6	NONE	NONE	0.057	3.2	6	3.2	No	No	No	NA	No
3-7, 9-10	031	1,2-Dichloropropane	ug/L	All Data Qualified	0.6	NONE	NONE	0.52	39	5	5	No	No	No	NA	No
3-7, 9-10	032	1,3-Dichloropropene (Total)	ug/L	All Data Qualified	0.6	NONE	NONE	10	1700	0.5	0.5	No	No	No	NA	No
3-7, 9-10	033	Ethylbenzene	ug/L	All Data Qualified	0.6	NONE	NONE	3100	29000	0.7	0.7	No	No	No	NA	No
3-7, 9-10	034	Bromomethane	ug/L	All Data Qualified	0.6	NONE	NONE	48	4000	NONE	4000	No	No	No	NA	No
3-7, 9-10	035	Chloromethane	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	NONE	NONE	No	No	No	NA	No
3-7, 9-10	036	Methylene chloride	ug/L	All Data Qualified	0.6	NONE	NONE	4.7	1600	NONE	1600	No	No	No	NA	No
3-7, 9-10	037	1,1,2,2-Tetrachloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.17	11	1	1	No	No	No	NA	No
3-7, 9-10	038	Tetrachloroethene	ug/L	All Data Qualified	0.6	NONE	NONE	0.8	8.85	5	5	No	No	No	NA	No
3-7, 9-10	039	Toluene	ug/L	All Data Qualified	0.6	NONE	NONE	6800	200000	150	150	No	No	No	NA	No
3-7, 9-10	040	trans-1,2-Dichloroethene	ug/L	All Data Qualified	0.6	NONE	NONE	700	140000	10	10	No	No	No	NA	No
3-7, 9-10	041	1,1,1-Trichloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	200	200	No	No	No	NA	No
3-7, 9-10	042	1,1,2-trichloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.6	42	5	5	No	No	No	NA	No
3-7, 9-10	043	Trichloroethene	ug/L	All Data Qualified	0.6	NONE	NONE	2.7	81	5	5	No	No	No	NA	No
3-7, 9-10	044	Vinyl chloride	ug/L	All Data Qualified	0.6	NONE	NONE	2	525	0.5	0.5	No	No	No	NA	No
3-7, 9-10	045	2-chlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	120	400	NONE	400	No	No	No	NA	No
3-7, 9-10	046	2,4-Dichlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	93	790	NONE	790	No	No	No	NA	No

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

Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 003 - 010)

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA						Is Effluent	Was Constituent	Are all		
						Freshwater		Human Health		Basin Plan	C = Lowest	Data	Detected in	Detection Limits >	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	C	MEC = Min (DL)	MEC >= C
3-7, 9-10	047	2,4-dimethylphenol	ug/L	All Data Qualified	0.6	NONE	NONE	540	2300	NONE	2300	No	No	No	NA	No
3-7, 9-10	048	2-Methyl-4,6-dinitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	13.4	765	NONE	765	No	No	No	NA	No
3-7, 9-10	049	2,4-dinitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	70	14000	NONE	14000	No	No	No	NA	No
3-7, 9-10	050	2-nitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9-10	051	4-nitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9-10	052	4-Chloro-3-methylphenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9-10	053	Pentachlorophenol	ug/L	All Data Qualified	0.6	pH dependent	pH dependent	0.28	8.2	1	1	No	No	No	NA	No
3-7, 9-10	054	Phenol	ug/L	All Data Qualified	0.6	NONE	NONE	21000	4600000	NONE	4600000	No	No	No	NA	No
3-7, 9-10	055	2,4,6-Trichlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	2.1	6.5	NONE	6.5	No	No	No	NA	No
3-7, 9-10	056	Acenaphthene	ug/L	All Data Qualified	0.6	NONE	NONE	1200	2700	NONE	2700	No	No	No	NA	No
3-7, 9-10	057	Acenaphthylene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9-10	058	Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	9600	110000	NONE	110000	No	No	No	NA	No
3-7, 9-10	059	Benzidine	ug/L	All Data Qualified	0.6	NONE	NONE	0.00012	0.00054	NONE	0.00054	No	No	No	NA	No
3-7, 9-10	060	Benzo(a)Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3-7, 9-10	061	Benzo(a)Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3-7, 9-10	062	Benzo(b)Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3-7, 9-10	063	Benzo(g,h,i)Perylene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9-10	064	Benzo(k)Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3-7, 9-10	065	Bis(2-Chloroethoxy) methane	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9-10	066	bis (2-Chloroethyl) ether	ug/L	All Data Qualified	0.6	NONE	NONE	0.031	1.4	NONE	1.4	No	No	No	NA	No
3-7, 9-10	067	Bis(2-Chloroisopropyl) Ether	ug/L	All Data Qualified	0.6	NONE	NONE	1400	170000	NONE	170000	No	No	No	NA	No
3-7, 9-10	068	bis (2-ethylhexyl) Phthalate	ug/L	All Data Qualified	0.6	NONE	NONE	1.8	5.9	4	4	No	No	No	NA	No
3-7, 9-10	069	4-Bromophenylphenylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9-10	070	Butylbenzylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	3000	5200	NONE	5200	No	No	No	NA	No
3-7, 9-10	071	2-Chloronaphthalene	ug/L	All Data Qualified	0.6	NONE	NONE	1700	4300	NONE	4300	No	No	No	NA	No
3-7, 9-10	072	4-Chlorophenylphenylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9-10	073	Chrysene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3-7, 9-10	074	Dibenzo(a,h)Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3-7, 9-10	075	1,2-Dichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	2700	17000	600	600	No	No	No	NA	No
3-7, 9-10	076	1,3-Dichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	400	2600	NONE	2600	No	No	No	NA	No
3-7, 9-10	077	1,4-Dichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	400	2600	5	5	No	No	No	NA	No
3-7, 9-10	078	3,3'-Dichlorobenzidine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.077	NONE	0.077	No	No	No	NA	No
3-7, 9-10	079	Diethylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	23000	120000	NONE	120000	No	No	No	NA	No
3-7, 9-10	080	Dimethylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	313000	2900000	NONE	2900000	No	No	No	NA	No
3-7, 9-10	081	Di-n-butylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	2700	12000	NONE	12000	No	No	No	NA	No
3-7, 9-10	082	2,4-Dinitrotoluene	ug/L	All Data Qualified	0.6	NONE	NONE	0.11	9.1	NONE	9.1	No	No	No	NA	No
3-7, 9-10	083	2,6-Dinitrotoluene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9-10	084	Di-n-octylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9-10	085	1,2-Diphenylhydrazine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.54	NONE	0.54	No	No	No	NA	No
3-7, 9-10	086	Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	300	370	NONE	370	No	No	No	NA	No
3-7, 9-10	087	Fluorene	ug/L	All Data Qualified	0.6	NONE	NONE	1300	14000	NONE	14000	No	No	No	NA	No
3-7, 9-10	088	Hexachlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	0.00075	0.00077	NONE	0.00077	No	No	No	NA	No
3-7, 9-10	089	Hexachlorobutadiene	ug/L	All Data Qualified	0.6	NONE	NONE	0.44	50	NONE	50	No	No	No	NA	No
3-7, 9-10	090	Hexachlorocyclopentadiene	ug/L	All Data Qualified	0.6	NONE	NONE	240	17000	NONE	17000	No	No	No	NA	No
3-7, 9-10	091	Hexachloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	1.9	8.9	NONE	8.9	No	No	No	NA	No
3-7, 9-10	092	Indeno(1,2,3-cd)Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
3-7, 9-10	093	Isophorone	ug/L	All Data Qualified	0.6	NONE	NONE	8.4	600	NONE	600	No	No	No	NA	No
3-7, 9-10	094	Naphthalene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No

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

Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 003 - 010)

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA										
						Freshwater		Human Health		Basin Plan	C = Lowest	Is Effluent Data	Was Constituent Detected in	Are all Detection Limits >	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	C	MEC = Min (DL)	MEC >= C
3-7, 9-10	095	Nitrobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	17	1900	NONE	1900	No	No	No	NA	No
3-7, 9-10	096	N-Nitrosodimethylamine	ug/L	All Data Qualified	0.6	NONE	NONE	0.00069	8.1	NONE	8.1	No	No	No	NA	No
3-7, 9-10	097	n-Nitroso-di-n-propylamine	ug/L	All Data Qualified	0.6	NONE	NONE	0.005	1.4	NONE	1.4	No	No	No	NA	No
3-7, 9-10	098	N-Nitrosodiphenylamine	ug/L	All Data Qualified	0.6	NONE	NONE	5	16	NONE	16	No	No	No	NA	No
3-7, 9-10	099	Phenanthrene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9-10	100	Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	960	11000	NONE	11000	No	No	No	NA	No
3-7, 9-10	101	1,2,4-Trichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9-10	102	Aldrin	ug/L	All Data Qualified	0.6	3	NONE	0.00013	0.00014	NONE	0.00014	No	No	No	NA	No
3-7, 9-10	103	alpha-BHC	ug/L	All Data Qualified	0.6	NONE	NONE	0.0039	0.013	NONE	0.013	No	No	No	NA	No
3-7, 9-10	104	beta-BHC	ug/L	All Data Qualified	0.6	NONE	NONE	0.014	0.046	NONE	0.046	No	No	No	NA	No
3-7, 9-10	105	Lindane (gamma-BHC)	ug/L	All Data Qualified	0.6	0.95	NONE	0.019	0.063	0.2	0.063	No	No	No	NA	No
3-7, 9-10	106	delta-BHC	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9-10	107	Chlordane	ug/L	All Data Qualified	0.6	2.4	0.0043	0.00057	0.00059	NONE	0.00059	No	No	No	NA	No
3-7, 9-10	108	4,4'-DDT	ug/L	All Data Qualified	0.6	1.1	0.001	0.00059	0.00059	NONE	0.00059	No	No	No	NA	No
3-7, 9-10	109	4,4'-DDE	ug/L	All Data Qualified	0.6	NONE	NONE	0.00059	0.00059	NONE	0.00059	No	No	No	NA	No
3-7, 9-10	110	4,4'-DDD	ug/L	All Data Qualified	0.6	NONE	NONE	0.00083	0.00084	NONE	0.00084	No	No	No	NA	No
3-7, 9-10	111	Dieldrin	ug/L	All Data Qualified	0.6	0.24	0.056	0.00014	0.00014	NONE	0.00014	No	No	No	NA	No
3-7, 9-10	112	Endosulfan I	ug/L	All Data Qualified	0.6	0.22	0.056	110	240	NONE	0.056	No	No	No	NA	No
3-7, 9-10	113	Endosulfan II	ug/L	All Data Qualified	0.6	0.22	0.056	110	240	NONE	0.056	No	No	No	NA	No
3-7, 9-10	114	Endosulfan Sulfate	ug/L	All Data Qualified	0.6	NONE	NONE	110	240	NONE	240	No	No	No	NA	No
3-7, 9-10	115	Endrin	ug/L	All Data Qualified	0.6	0.086	0.036	0.76	0.81	NONE	0.036	No	No	No	NA	No
3-7, 9-10	116	Endrin Aldehyde	ug/L	All Data Qualified	0.6	NONE	NONE	0.76	0.81	NONE	0.81	No	No	No	NA	No
3-7, 9-10	117	Heptachlor	ug/L	All Data Qualified	0.6	0.52	0.0038	0.00021	0.00021	NONE	0.00021	No	No	No	NA	No
3-7, 9-10	118	Heptachlor Epoxide	ug/L	All Data Qualified	0.6	0.52	0.0038	0.0001	0.00011	NONE	0.00011	No	No	No	NA	No
3-7, 9-10	119	Aroclor-1016	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
3-7, 9-10	120	Aroclor-1221	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
3-7, 9-10	121	Aroclor-1232	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
3-7, 9-10	122	Aroclor-1242	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
3-7, 9-10	123	Aroclor-1248	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
3-7, 9-10	124	Aroclor-1254	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
3-7, 9-10	125	Aroclor-1260	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
3-7, 9-10	126	Toxaphene	ug/L	All Data Qualified	0.6	0.73	0.0002	0.0073	0.00075	NONE	0.0002	No	No	No	NA	No
8	001	Antimony	ug/L	Available Data <DL	0.6	NONE	NONE	14	4300	6	6	Yes	No	No	NA	No
8	002	Arsenic	ug/L	All Data Qualified	0.6	340	150	NONE	NONE	50	50	No	No	No	NA	No
8	003	Beryllium	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	4	4	No	No	No	NA	No
8	004	Cadmium	ug/L	Available Data <DL	0.6	NONE	2.46	Narrative	Narrative	5	2.46	Yes	No	No	NA	No
8	005a	Chromium	ug/L	All Data Qualified	0.6	NONE	206.98	Narrative	Narrative	NONE	206.98	No	No	No	NA	No
8	005b	Chromium VI	ug/L	All Data Qualified	0.6	16.293279022	11.43	Narrative	Narrative	50	11.43	No	No	No	NA	No
8	006	Copper	ug/L	9.07	0.6	NONE	9.33	1300	NONE	NONE	9.33	Yes	Yes	NA	NA	No
8	007	Lead	ug/L	6.7	0.6	NONE	3.18	Narrative	Narrative	NONE	3.18	Yes	Yes	NA	NA	Yes
8	008	Mercury	ug/L	All Data Qualified	0.6	Reserved	Reserved	0.05	0.051	2	0.05	No	No	No	NA	No
8	009	Nickel	ug/L	All Data Qualified	0.6	NONE	52.16	610	4600	100	52.16	No	No	No	NA	No
8	010	Selenium	ug/L	Available Data <DL	0.6	Reserved	5	Narrative	Narrative	50	5	Yes	No	No	NA	No
8	011	Silver	ug/L	All Data Qualified	0.6	NONE	none	NONE	NONE	NONE	4.06	No	No	No	NA	No
8	012	Thallium	ug/L	Available Data <DL	0.6	NONE	NONE	1.7	6.3	2	2	Yes	No	No	NA	No
8	013	Zinc	ug/L	43.5	0.6	NONE	119.8	none	NONE	NONE	119.8	Yes	Yes	NA	NA	No
8	014	Total Cyanide	ug/L	Available Data <DL	0.6	22	5.2	700	220000	200	5.2	Yes	No	No	NA	No
8	015	Asbestos	Fibers/L	All Data Qualified	0.6	NONE	NONE	7000000	NONE	7x10^6	700000	No	No	No	NA	No

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

Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 003 - 010)

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA						Is Effluent	Was Constituent	Are all		
						Freshwater		Human Health		Basin Plan	C = Lowest	Data	Detected in	Detection Limits >	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	C	MEC = Min (DL)	MEC >= C
8	016	TCDD TEQ_NoDNQ	ug/L	Available Data <DL	0.6	NONE	NONE	1.3e-008	1.4e-008	3x10^-5	0.000000014	Yes	No	No	NA	No
8	017	Acrolein	ug/L	All Data Qualified	0.6	NONE	NONE	320	780	NONE	780	No	No	No	NA	No
8	018	Acrylonitrile	ug/L	All Data Qualified	0.6	NONE	NONE	0.059	0.66	NONE	0.66	No	No	No	NA	No
8	019	Benzene	ug/L	All Data Qualified	0.6	NONE	NONE	1.2	71	1	1	No	No	No	NA	No
8	020	Bromoform	ug/L	All Data Qualified	0.6	NONE	NONE	4.3	360	NONE	360	No	No	No	NA	No
8	021	Carbon Tetrachloride	ug/L	All Data Qualified	0.6	NONE	NONE	0.25	4.4	600	4.4	No	No	No	NA	No
8	022	Chlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	680	21000	NONE	21000	No	No	No	NA	No
8	023	Dibromochloromethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.401	34	NONE	34	No	No	No	NA	No
8	024	Chloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	025	2-Chloroethylvinylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	026	Chloroform	ug/L	All Data Qualified	0.6	NONE	NONE	Reserved	Reserved	NONE	NONE	No	No	No	NA	No
8	027	Bromodichloromethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.56	46	NONE	46	No	No	No	NA	No
8	028	1,1-Dichloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	5	5	No	No	No	NA	No
8	029	1,2-Dichloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.38	99	0.5	0.5	No	No	No	NA	No
8	030	1,1-Dichloroethene	ug/L	All Data Qualified	0.6	NONE	NONE	0.057	3.2	6	3.2	No	No	No	NA	No
8	031	1,2-Dichloropropane	ug/L	All Data Qualified	0.6	NONE	NONE	0.52	39	5	5	No	No	No	NA	No
8	032	1,3-Dichloropropene (Total)	ug/L	All Data Qualified	0.6	NONE	NONE	10	1700	0.5	0.5	No	No	No	NA	No
8	033	Ethylbenzene	ug/L	All Data Qualified	0.6	NONE	NONE	3100	29000	0.7	0.7	No	No	No	NA	No
8	034	Bromomethane	ug/L	All Data Qualified	0.6	NONE	NONE	48	4000	NONE	4000	No	No	No	NA	No
8	035	Chloromethane	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	NONE	NONE	No	No	No	NA	No
8	036	Methylene chloride	ug/L	All Data Qualified	0.6	NONE	NONE	4.7	1600	NONE	1600	No	No	No	NA	No
8	037	1,1,2,2-Tetrachloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.17	11	1	1	No	No	No	NA	No
8	038	Tetrachloroethene	ug/L	All Data Qualified	0.6	NONE	NONE	0.8	8.85	5	5	No	No	No	NA	No
8	039	Toluene	ug/L	All Data Qualified	0.6	NONE	NONE	6800	200000	150	150	No	No	No	NA	No
8	040	trans-1,2-Dichloroethene	ug/L	All Data Qualified	0.6	NONE	NONE	700	140000	10	10	No	No	No	NA	No
8	041	1,1,1-Trichloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	200	200	No	No	No	NA	No
8	042	1,1,2-trichloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	0.6	42	5	5	No	No	No	NA	No
8	043	Trichloroethene	ug/L	All Data Qualified	0.6	NONE	NONE	2.7	81	5	5	No	No	No	NA	No
8	044	Vinyl chloride	ug/L	All Data Qualified	0.6	NONE	NONE	2	525	0.5	0.5	No	No	No	NA	No
8	045	2-chlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	120	400	NONE	400	No	No	No	NA	No
8	046	2,4-Dichlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	93	790	NONE	790	No	No	No	NA	No
8	047	2,4-dimethylphenol	ug/L	All Data Qualified	0.6	NONE	NONE	540	2300	NONE	2300	No	No	No	NA	No
8	048	2-Methyl-4,6-dinitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	13.4	765	NONE	765	No	No	No	NA	No
8	049	2,4-dinitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	70	14000	NONE	14000	No	No	No	NA	No
8	050	2-nitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	051	4-nitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	052	4-Chloro-3-methylphenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	053	Pentachlorophenol	ug/L	All Data Qualified	0.6	pH dependent	pH dependent	0.28	8.2	1	1	No	No	No	NA	No
8	054	Phenol	ug/L	All Data Qualified	0.6	NONE	NONE	21000	4600000	NONE	4600000	No	No	No	NA	No
8	055	2,4,6-Trichlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	2.1	6.5	NONE	6.5	No	No	No	NA	No
8	056	Acenaphthene	ug/L	All Data Qualified	0.6	NONE	NONE	1200	2700	NONE	2700	No	No	No	NA	No
8	057	Acenaphthylene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	058	Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	9600	110000	NONE	110000	No	No	No	NA	No
8	059	Benzidine	ug/L	All Data Qualified	0.6	NONE	NONE	0.00012	0.00054	NONE	0.00054	No	No	No	NA	No
8	060	Benzo(a)Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
8	061	Benzo(a)Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
8	062	Benzo(b)Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
8	063	Benzo(g,h,i)Perylene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No

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

Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 003 - 010)

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA						Is Effluent	Was Constituent	Are all		
						Freshwater		Human Health		Basin Plan	C = Lowest	Data	Detected in	Detection Limits >	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	C	MEC = Min (DL)	MEC >= C
8	064	Benzo(k)Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
8	065	Bis(2-Chloroethoxy) methane	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	066	bis (2-Chloroethyl) ether	ug/L	All Data Qualified	0.6	NONE	NONE	0.031	1.4	NONE	1.4	No	No	No	NA	No
8	067	Bis(2-Chloroisopropyl) Ether	ug/L	All Data Qualified	0.6	NONE	NONE	1400	170000	NONE	170000	No	No	No	NA	No
8	068	bis (2-ethylhexyl) Phthalate	ug/L	All Data Qualified	0.6	NONE	NONE	1.8	5.9	4	4	No	No	No	NA	No
8	069	4-Bromophenylphenylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	070	Butylbenzylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	3000	5200	NONE	5200	No	No	No	NA	No
8	071	2-Chloronaphthalene	ug/L	All Data Qualified	0.6	NONE	NONE	1700	4300	NONE	4300	No	No	No	NA	No
8	072	4-Chlorophenylphenylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	073	Chrysene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
8	074	Dibenzo(a,h)Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
8	075	1,2-Dichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	2700	17000	600	600	No	No	No	NA	No
8	076	1,3-Dichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	400	2600	NONE	2600	No	No	No	NA	No
8	077	1,4-Dichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	400	2600	5	5	No	No	No	NA	No
8	078	3,3'-Dichlorobenzidine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.077	NONE	0.077	No	No	No	NA	No
8	079	Diethylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	23000	120000	NONE	120000	No	No	No	NA	No
8	080	Dimethylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	313000	2900000	NONE	2900000	No	No	No	NA	No
8	081	Di-n-butylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	2700	12000	NONE	12000	No	No	No	NA	No
8	082	2,4-Dinitrotoluene	ug/L	All Data Qualified	0.6	NONE	NONE	0.11	9.1	NONE	9.1	No	No	No	NA	No
8	083	2,6-Dinitrotoluene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	084	Di-n-octylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	085	1,2-Diphenylhydrazine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.54	NONE	0.54	No	No	No	NA	No
8	086	Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	300	370	NONE	370	No	No	No	NA	No
8	087	Fluorene	ug/L	All Data Qualified	0.6	NONE	NONE	1300	14000	NONE	14000	No	No	No	NA	No
8	088	Hexachlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	0.00075	0.00077	NONE	0.00077	No	No	No	NA	No
8	089	Hexachlorobutadiene	ug/L	All Data Qualified	0.6	NONE	NONE	0.44	50	NONE	50	No	No	No	NA	No
8	090	Hexachlorocyclopentadiene	ug/L	All Data Qualified	0.6	NONE	NONE	240	17000	NONE	17000	No	No	No	NA	No
8	091	Hexachloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	1.9	8.9	NONE	8.9	No	No	No	NA	No
8	092	Indeno(1,2,3-cd)Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	No	No	No	NA	No
8	093	Isophorone	ug/L	All Data Qualified	0.6	NONE	NONE	8.4	600	NONE	600	No	No	No	NA	No
8	094	Naphthalene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	095	Nitrobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	17	1900	NONE	1900	No	No	No	NA	No
8	096	N-Nitrosodimethylamine	ug/L	All Data Qualified	0.6	NONE	NONE	0.00069	8.1	NONE	8.1	No	No	No	NA	No
8	097	n-Nitroso-di-n-propylamine	ug/L	All Data Qualified	0.6	NONE	NONE	0.005	1.4	NONE	1.4	No	No	No	NA	No
8	098	N-Nitrosodiphenylamine	ug/L	All Data Qualified	0.6	NONE	NONE	5	16	NONE	16	No	No	No	NA	No
8	099	Phenanthrene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	100	Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	960	11000	NONE	11000	No	No	No	NA	No
8	101	1,2,4-Trichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	102	Aldrin	ug/L	All Data Qualified	0.6	3	NONE	0.00013	0.00014	NONE	0.00014	No	No	No	NA	No
8	103	alpha-BHC	ug/L	All Data Qualified	0.6	NONE	NONE	0.0039	0.013	NONE	0.013	No	No	No	NA	No
8	104	beta-BHC	ug/L	All Data Qualified	0.6	NONE	NONE	0.014	0.046	NONE	0.046	No	No	No	NA	No
8	105	Lindane (gamma-BHC)	ug/L	All Data Qualified	0.6	0.95	NONE	0.019	0.063	0.2	0.063	No	No	No	NA	No
8	106	delta-BHC	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
8	107	Chlordane	ug/L	All Data Qualified	0.6	2.4	0.0043	0.00057	0.00059	NONE	0.00059	No	No	No	NA	No
8	108	4,4'-DDT	ug/L	All Data Qualified	0.6	1.1	0.001	0.00059	0.00059	NONE	0.00059	No	No	No	NA	No
8	109	4,4'-DDE	ug/L	All Data Qualified	0.6	NONE	NONE	0.00059	0.00059	NONE	0.00059	No	No	No	NA	No
8	110	4,4'-DDD	ug/L	All Data Qualified	0.6	NONE	NONE	0.00083	0.00084	NONE	0.00084	No	No	No	NA	No
8	111	Dieldrin	ug/L	All Data Qualified	0.6	0.24	0.056	0.00014	0.00014	NONE	0.00014	No	No	No	NA	No

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

Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS, (OUTFALLS 003 - 010)

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA										
						Freshwater		Human Health		Basin Plan	C = Lowest	Is Effluent Data	Was Constituent Detected in	Are all Detection Limits >	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	C	MEC = Min (DL)	MEC >= C
8	112	Endosulfan I	ug/L	All Data Qualified	0.6	0.22	0.056	110	240	NONE	0.056	No	No	No	NA	No
8	113	Endosulfan II	ug/L	All Data Qualified	0.6	0.22	0.056	110	240	NONE	0.056	No	No	No	NA	No
8	114	Endosulfan Sulfate	ug/L	All Data Qualified	0.6	NONE	NONE	110	240	NONE	240	No	No	No	NA	No
8	115	Endrin	ug/L	All Data Qualified	0.6	0.086	0.036	0.76	0.81	NONE	0.036	No	No	No	NA	No
8	116	Endrin Aldehyde	ug/L	All Data Qualified	0.6	NONE	NONE	0.76	0.81	NONE	0.81	No	No	No	NA	No
8	117	Heptachlor	ug/L	All Data Qualified	0.6	0.52	0.0038	0.00021	0.00021	NONE	0.00021	No	No	No	NA	No
8	118	Heptachlor Epoxide	ug/L	All Data Qualified	0.6	0.52	0.0038	0.0001	0.00011	NONE	0.00011	No	No	No	NA	No
8	119	Aroclor-1016	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
8	120	Aroclor-1221	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
8	121	Aroclor-1232	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
8	122	Aroclor-1242	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
8	123	Aroclor-1248	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
8	124	Aroclor-1254	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
8	125	Aroclor-1260	ug/L	All Data Qualified	0.6	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
8	126	Toxaphene	ug/L	All Data Qualified	0.6	0.73	0.0002	0.0073	0.00075	NONE	0.0002	No	No	No	NA	No

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

Table F1
REASONABLE POTENTIAL ANALYSIS FOR SECONDARY POLLUTANTS, (OUTFALLS 001, 002, 011 018)

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Outfall	Constituent	Monitoring	Units	Number of Samples	MEC	CV	Multiplier	Projected Maximum Effluent Concentration (99/99)	Dilution Ratio	Background Concentration	Projected Maximum Receiving Water Concentration	Step 1, Determine Water Quality Objectives	BU - Beneficial use protection NC-Human noncarcinogen AP-Aquatic life protection
1_2_11_18	Barium	Annual	mg/L	0	All Data Qualified	0.6	All Data Qualified	All Qualified Data	0	0	NA	1000	BU
1_2_11_18	Biochemical Oxygen Demand (BOD 5 day)	Discharge	mg/L	7	3.2	0.6	3.54	11.34	0	0	11.34	20	BU
1_2_11_18	Chloride	Discharge	mg/L	7	25	0.6	3.54	88.58	0	0	88.58	150	BU
1_2_11_18	Fluoride	Annual	mg/L	0	All Data Qualified	0.6	All Data Qualified	All Qualified Data	0	0	NA	1.6	BU
1_2_11_18	Fluoride	Discharge	mg/L	0	All Data Qualified	0.6	All Data Qualified	All Qualified Data	0	0	NA	1.6	BU
1_2_11_18	Nitrate + Nitrite as Nitrogen (N)	Discharge	mg/L	7	1.2	0.6	3.54	4.25	0	0	4.25	8	BU/TMDL
1_2_11_18	Oil & Grease	Discharge	mg/L	7	Available Data <DL	0.6	3.54	Available Data < DL	0	0	NA	10	BU
1_2_11_18	Sulfate	Discharge	mg/L	7	120	0.6	3.54	425.19	0	0	425.19	300	BU
1_2_11_18	Surfactants (MBAS)	Discharge	mg/L	7	0.078	0.6	3.54	0.28	0	0	0.28	0.5	BU
1_2_11_18	Total Dissolved Solids	Discharge	mg/L	7	390	0.6	3.54	1381.86	0	0	1381.86	150	BU
1_2_11_18	Total Settleable Solids	Discharge	ml/L	7	0.2	0.6	3.54	0.71	0	0	0.71	0.3	BU
1_2_11_18	Total Suspended Solids	Discharge	mg/L	7	52	0.6	3.54	184.25	0	0	184.25	45	BU

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

Table F1
REASONABLE POTENTIAL ANALYSIS FOR SECONDARY POLLUTANTS, (OUTFALLS 001, 002, 011 018)

FOURTH QUARTER 2010
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Outfall	Constituent	Monitoring	Units	Number of Samples	MEC	CV	Multiplier	Projected Maximum Effluent Concentration (99/99)	Dilution Ratio	Background Concentration	Projected Maximum Receiving Water Concentration	Step 1, Determine Water Quality Objectives	BU - Beneficial use protection NC-Human noncarcinogen AP-Aquatic life protection
3_10	Boron	Annual	mg/L	0	All Data Qualified	0.6	All Data Qualified	All Qualified Data	0	0	NA	1	BU
3_10	Chloride	Discharge	mg/L	9	79	0.6	3.16	249.56	0	0	249.56	150	BU
3_10	Fluoride	Annual	mg/L	0	All Data Qualified	0.6	All Data Qualified	All Qualified Data	0	0	NA	1.6	BU
3_10	Nitrate + Nitrite as Nitrogen (N)	Discharge	mg/L	9	1.2	0.6	3.16	3.79	0	0	3.79	8	BU/TMDL
3_10	Oil & Grease	Discharge	mg/L	9	Available Data <DL	0.6	3.16	Available Data < DL	0	0	NA	10	BU
3_10	Sulfate	Discharge	mg/L	9	18	0.6	3.16	56.86	0	0	56.86	300	BU
3_10	Total Dissolved Solids	Discharge	mg/L	9	280	0.6	3.16	884.51	0	0	884.51	150	BU
3_10	Total Suspended Solids	Annual	mg/L	5	56	0.6	4.19	234.76	0	0	234.76	45	BU
8	Boron	Annual	mg/L	0	All Data Qualified	0.6	All Data Qualified	All Qualified Data	0	0	NA	1	BU
8	Chloride	Discharge	mg/L	3	17	0.6	5.62	95.58	0	0	95.58	150	BU
8	Fluoride	Annual	mg/L	0	All Data Qualified	0.6	All Data Qualified	All Qualified Data	0	0	NA	1.6	BU
8	Nitrate + Nitrite as Nitrogen (N)	Discharge	mg/L	3	0.79	0.6	5.62	4.44	0	0	4.44	8	BU/TMDL
8	Oil & Grease	Discharge	mg/L	3	Available Data <DL	0.6	5.62	Available Data < DL	0	0	NA	10	BU
8	Sulfate	Discharge	mg/L	3	15	0.6	5.62	84.34	0	0	84.34	300	BU
8	Total Dissolved Solids	Discharge	mg/L	3	220	0.6	5.62	1236.94	0	0	1236.94	150	BU
8	Total Suspended Solids	Annual	mg/L	3	150	0.6	5.62	843.37	0	0	843.37	45	BU

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