

The Boeing Company
Santa Susana Field Laboratory
5800 Woolsey Canyon Road
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Via Federal Express

February 12, 2008
In reply refer to SHEA-106975

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 2007 NPDES Discharge Monitoring Report Submittal–Santa Susana Field Laboratory

Dear Sir/Madam:

The Boeing Company (Boeing) hereby submits the Discharge Monitoring Report (DMR) for the Santa Susana Field Laboratory (SSFL) for the Fourth Quarter of 2007. This DMR provides the results of the sampling that occurred for the SSFL outfalls (Figure 1) for the period of October 1st through December 31st of 2007 as required by National Pollutant Discharge Elimination System (NPDES) Permit No. CA0001309 (NPDES Permit).

Two sets of permit requirements are addressed during this reporting period. The Los Angeles Regional Water Quality Control Board (Regional Board) revised the permit to implement the Los Angeles River Metals Total Maximum Daily Load (TMDL) and Los Angeles River Nutrients TMDL at the March 3, 2006 Regional Board Hearing, and issued an updated NPDES Permit dated March 17, 2006 with an effective date of April 28, 2006 (Order No. R4-2006-0036). Boeing appealed the two permit revisions and the State Board remanded the NPDES Permit to the Regional Board for the review of the waste discharge requirements for Boeing SSFL and stayed enforcement of the numeric discharge limits for Outfalls 011 and 018. The Regional Board issued a revised permit on November 9, 2007 with an effective date of December 20, 2007 (Order No. R4-2007-0055).

This quarterly DMR provides information and data, including summary tables of surface water sample analytical results, rainfall summaries, liquid waste shipment summaries, and surface water sample laboratory analytical reports. The DMR is provided for the SSFL outfalls authorized by the NPDES Permit. This document will be made available electronically at:

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



Additionally, hard copies of this DMR are available at the following: California State University at Northridge Library; Simi Valley Library; and the Platt Branch, Los Angeles Library.

FOURTH QUARTER 2007 DISCHARGE MONITORING REPORT (DMR) CONTENTS AND DISCHARGE SUMMARY

Figure 1 is a site location map indicating the locations of the 19 outfalls at SSFL. A summary of the Fourth Quarter 2007 precipitation measured at SSFL is presented in Appendix A. All sanitary wastes from the domestic sewage treatment plants (STPs) (STPs I, II, and III; Outfalls 015, 016, and 017; respectively) were shipped off-site and appropriately managed with no discharges occurring from these outfalls. Details of all liquid waste shipments including the STP waste are summarized in Appendix B.

As detailed in Appendix A, Boeing observed five rain events with greater than 0.1 inches of rainfall in a 24-hour period. These rainfall events occurred on October 13, November 30, December 7, December 19, and December 21, 2007.

Field inspections are conducted at the storm water outfall locations prior to and following each rain event. For storm events that occur after working hours, a field check and/or sampling is conducted at the first available opportunity when it is safe to access the outfall. No flow was observed at any of the outfalls during the October 13 and November 30 rain events. Flow was observed at Outfalls 006 and 010 on December 7, 2007, at Outfalls 004, 006, 009, and 010 on December 19, 2007, and at Outfall 014 on December 21, 2007.

Additionally, on December 27, 2007, Boeing collected a water sample from the Receiving Water Location in Arroyo Simi per the requirements of the revisions to the NPDES Permit that took effect in December 2007. Receiving water samples for the Calleguas Creek watershed were collected off-site at a location that meets the Regional Board's approval. Analytical results are provided in Appendix C.

As part of the ongoing efforts to assess the structural best management practices (BMPs) installed at SSFL, monitoring is conducted for sediment concentrations. Effluent analytical results are provided in Appendix C.

Samples collected for compliance purposes were submitted to and analyzed by a California-certified analytical laboratory. Appendices C and D contain summary tables of analytical results for surface water samples collected during the Fourth Quarter 2007. These tables identify the outfall, the constituents evaluated (analytes), the date of sampling, the analytical result, and data validation qualifiers.

A summary table of NPDES Permit limit exceedances and/or elevated concentrations of a benchmark limit 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. Quarterly Summary Notes are a compilation of notes, abbreviations, and data validation codes that are used in the analytical data summary tables and are included as a supplement in Appendices C, D, E and F.



SUMMARY OF NONCOMPLIANCE

The following summary of noncompliance is organized by outfall location. Only those outfalls with NPDES Permit limit exceedances or elevated concentration of a benchmark limit are discussed in this report.

Outfall 004

The following is a summary of noncompliance at Outfall 004 (SRE). The following permit limit exceedances are provided in Appendix E.

TCDD TEQ

A NPDES Permit limit exceedance occurred during the Fourth Quarter 2007 on December 19, 2007, for TCDD TEQ at Outfall 004, as detailed in the Summary of Permit Limit Exceedances table in Appendix E of this DMR. The reported concentration of TCDD TEQ was 3.97×10^{-7} ug/L. This concentration is above the NPDES Permit limit of 2.80×10^{-8} ug/L.

The presence of TCDD in both background soils and fire-related materials is well-documented in scientific literature (USEPA, 2000; Gullett and Touati, 2003). These findings are further substantiated by previously completed on- and offsite studies (MWH, 2005), as presented in the Flow Science Background Report (Flow Science, 2006), and as reported in the first, second and fourth quarter 2006 DMRs. These reports suggest that the levels of TCDD TEQ measured in surface water samples at the SSFL may result primarily from wildfire combustion processes, regional atmospheric deposition, and other off-site sources. Boeing will continue to investigate additional sources of TCDD onsite.

Additional dioxin removal can be facilitated by increasing the retention time of the water within activated carbon media contained in the BMP installed at Outfall 004. It is unclear exactly what retention time would be necessary to achieve the water-quality based effluent limit of 2.8×10^{-8} ug/l for TCDD TEQ. Dioxin congeners are hydrophobic molecules that partition readily into the organic fraction of sediments and solid materials. Activated carbon is believed by United States Environmental Protection Agency (EPA) to be best available technology for the removal of dioxins from water (<http://www.epa.gov/OGWDW/dwh/t-soc/dioxin.html>). However, studies have not been conducted to support the development of technology-based effluent limits for dioxin when activated carbon is used. Boeing is unaware of any studies documenting what retention time, if any, in activated carbon can achieve this effluent limit. In fact, specific studies of the use of activated carbon do not show effluent concentrations as low as the water quality based effluent limit of 2.8×10^{-8} ug/L. One of the few studies identified while researching the literature reported an effluent concentration just below 8.1×10^{-5} ug/l (Torrens, 2000). Nevertheless, Boeing is committed to attempting to achieve the water quality based effluent limit, if possible. Specifically, bagged carbon and zeolite at Outfall 004 will be replaced with bulk media, such as granular activated carbon and zeolite. The bulk placement will reduce hydraulic short-circuiting and increase average retention time.

Outfall 006

The following is a summary of noncompliance at Outfall 006 (FSDF-2) on the north slope of SSFL. The following permit limit exceedances are provided in Appendix E.



Chloride

Chloride was detected at Outfall 006 on December 7 and December 19, 2007 as indicated in Appendix E. Chloride concentrations exceeded the NPDES Permit limit of 150 mg/L on December 2, 2007 and December 19, 2007. The reported concentrations of chloride were 170 mg/L and 210 mg/L, respectively.

Chloride is a naturally occurring compound (Hunter and Davis, 2001). BMP materials installed at the site include fresh sand, zeolite, and activated carbon. Sand and zeolite may contain chloride or other salts that could be flushed or rinsed from filter media. No activities other than BMP installation occurred at the site that could have introduced chloride at levels that would be expected to cause an exceedance. Exceedances of chloride were not observed prior to installation of the expanded BMP with sand and zeolite.

Boeing will investigate the presence of chloride in BMP materials and conduct additional rinsing operations of the BMP material at this outfall to further reduce concentrations of naturally occurring salts that can potentially cause permit exceedances. Rinse water will be collected to minimize the potential for permit limit exceedances in the future. Boeing will continue to monitor chloride concentrations at this outfall to try to identify sources. Measures to reduce chloride will be implemented to the extent possible.

Outfall 014

The following is a summary of noncompliance at Outfall 0014 (FSDF-2) on the north slope of SSFL. The following elevated concentrations of a benchmark limit are summarized in Appendix E.

Chloride

Chloride was detected at Outfall 014 on December 21, 2007 as indicated in Appendix E. Chloride was detected at a concentration that was elevated above a benchmark limit of 150 mg/L on December 21. The reported concentration of chloride was 810 mg/L.

Boeing believes the elevated chloride concentration at this outfall location could be attributed to BMP upgrade activities and wash-off from the zeolite and/or activated carbon filter media, as discussed below.

Chloride is a naturally occurring compound (Hunter and Davis, 2001). BMP materials installed at the site include zeolite and activated carbon that may contain chloride, resulting in chloride possibly being flushed or rinsed from filter media.

Boeing will initiate additional rinsing of media at Outfall 014 to remove the naturally occurring salts that may cause exceedances. Boeing will continue to monitor chloride concentrations at this outfall to try to identify sources. Measures to reduce chloride will be implemented to the extent possible. Additionally, where new BMP materials are added, Boeing will continue to flush the materials and collect the rinse water to minimize the potential for permit limit exceedances or elevated concentrations of a benchmark limit in the future.



Total Dissolved Solids

The concentration of Total Dissolved Solids (TDS) in a sample collected from Outfall 014 on December 21 was 2000 mg/L. This elevated concentrations were greater than benchmark limit of 950 mg/L.

TDS is naturally occurring and is expected to be present in natural surface water. TDS may also be naturally occurring in BMP materials such as zeolite or activated carbon. Zeolite and carbon contains various salts, which are displaced when the zeolite adsorbs metals or other constituents. These salts are detected as TDS. TDS observed at Outfall 014 could have been generated from the zeolite media employed there to improve water quality. The presence of TDS in surface stormwater runoff from the BMP correlates with the presence of chloride observed at the same location, as one of the most common constituents of TDS in stormwater runoff is chloride. Once Boeing became aware of the elevated concentration of a benchmark limit, Boeing began to rinse the media filter at Outfall 014. Rinsing of the media is expected to reduce concentrations of chloride and other salts and reduce the risk of further exceedances.

Boeing will initiate further rinsing of the filter media at Outfall 014 to remove the naturally occurring salts that may cause permit exceedances. Boeing will continue to evaluate all data, improve BMPs, and implement measures to minimize TDS migration to and within surface water.

FOURTH QUARTER 2007 CORRECTIVE ACTIONS TAKEN

Throughout the Fourth Quarter 2007, Boeing took actions to improve the quality of surface water discharges. These actions included the installation and rinsing of BMP materials at various outfalls and the continued implementation of the site-wide Storm Water Pollution Prevention Plan (SWPPP). Activities throughout the SSFL site also continued, including site-wide inspections and metal and debris removal at various areas. Specific activities by outfall are identified in Table 1.

Table 1. BMP Activities during the Fourth Quarter 2007

OUTFALL	BMP ACTIVITIES DURING FOURTH QUARTER 2007
001 (South Slope below Perimeter Pond)	Inspected sediment control BMPs. Installed several miles of new fiber rolls. Placed significant quantities of hydroseed on hill slopes to control sediment erosion. Calibrated flow meter.
002 (South Slope below R-2 Pond)	Inspected and performed maintenance on sediment control BMPs. Installed erosion control measures, including several miles of fiber rolls and numerous hay bales, on hill slopes and within drainage channels. Removed 100-120 cubic yards from ash-ridden drainages with a supervac. Placed significant quantities of hydroseed on eroding and poorly-vegetated areas. Calibrated flow meter.
003 (RMHF)	Conducted structural BMP and storm water filter system inspections. Placed Hydroseed on surrounding hill slopes to control sediment erosion. Calibrated flow meter.
004 (SRE)	Conducted structural BMP and storm water filter system inspections. Completed raising the height of the sand filter





OUTFALL	BMP ACTIVITIES DURING FOURTH QUARTER 2007
	flow barrier to retain and filter the 1 year 24-hour storm of 2.3 inches. Rinsed media bed. Calibrated flow meter.
005 (FSDF-1)	Conducted BMP, sedimentation basin and filtration system inspections. Installed portable Baker tanks and media filtration treatment system.
006 (FSDF-2)	Conducted structural BMP, sedimentation basin and storm water filtration system inspections. Upgraded BMP media HDPE walls to correct undermining. Rinsed media bed. Calibrated flow meter.
007 (Building 100)	Conducted structural BMP, sedimentation basin and filtration system inspections.
008 (Happy Valley)	Inspected sediment control BMPs. Installed silt fencing and fiber rolls to control erosion. Placed Hydroseed in lower portion of drainage within the watershed to control sediment erosion. Calibrated flow meter.
009 (WS-13 Drainage)	Began work on project to develop engineered natural treatment system. Installed cat walk for access to flow meter.
010 (Building 203)	Conducted structural BMP and sedimentation/filtration basin inspections. Installed fiber rolls as sediment controls. Placed Hydroseed to control sediment erosion. Calibrated flow meter.
011 (Perimeter Pond)	Conducted BMP and drainage system inspections. Calibrated flow meter. Installed bubbler flow meter and performed calibration.
012 (ALFA Test Stand)	Installed carbon and zeolite bags upstream of sandbag barrier and sampling point. Installed drain pipe out of sandbag barrier, allowing water to flow into sample box placed at sampling point.
013 (BRAVO Test Stand)	Installed carbon and zeolite bags upstream of sandbag barrier and sampling point. Installed drain pipe out of sandbag barrier, allowing water to flow into sample box placed at sampling point.
014 (APTF Test Stand)	Installed bulk carbon and zeolite in existing culvert. Installed sandbag barrier around southern edge of property to redirect stormwater running onto the property around the site.
015 (STP I)	Wastewater currently hauled offsite – no discharges.
016 (STP II)	Wastewater currently hauled offsite – no discharges.
017 (STP III)	Wastewater currently hauled offsite – no discharges.
018 (R-2 Spillway)	Conducted structural BMP and storm water filter system inspections. Calibrated flow meter.
019 (GETS)	Groundwater Extraction Treatment System (GETS) under construction. Treated groundwater hauled off-site – no discharges.

REASONABLE POTENTIAL ANALYSIS (RPA)

Outfall monitoring data were collected during the Fourth Quarter 2007 for Outfalls 004, 006, 009, 010, and 014. Data from this quarter were added to the RPA data set as per the MWH and Flow Science RPA procedures for the outfall monitoring group, Outfalls 003-010 (excluding Outfall 008) (MWH and Flow Science, 2006). The December 2007 Permit added stormwater monitoring at the test stands, therefore only the fourth quarter data for Outfall 014 was used for RPA determination at Outfalls 012-014. 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.

As summarized in the MWH and Flow Science Technical Memo, Boeing does not believe the currently used RPA procedures are appropriate for storm water and storm water-dominated discharges from the SSFL.

DATA VALIDATION AND QUALITY CONTROL DISCUSSION

In accordance with current EPA guidelines and procedures, or as specified in the monitoring 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 a percentage of 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. Laboratory analytical reports, including validation reports and notes, are included in Appendix G. Attachment T-A of the NPDES Permit issued to the SSFL presents the State of California Water Resources Control Board (SWRCB) 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 the laboratory reporting limits (RLs) were elevated, the laboratory maximum detectable limits (MDLs) were below the California state MLs. However, some constituents' daily maximum or monthly average discharge limits 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: PCBs (receiving water limit of 0.0003 µg/L, RL of 0.5 µg/L); chlordane (receiving water limit of 0.001 µg/L, RL of 0.1 µg/L); 4,4'-DDD (receiving water limit of 0.0014 µg/L, RL of 0.005 µg/L); 4,4'-DDE (receiving water limit of 0.001 µg/L, RL of 0.005 µg/L); 4,4'-DDT (receiving water limit of 0.001 µg/L, RL of 0.01 µg/L); dieldrin (receiving water limit of 0.0002 µg/L, RL of 0.005 µg/L); Toxaphene (receiving water limit of 0.0003 µg/L, RL of 0.1 µg/L); mercury (monthly average limit of 0.05 µg/L, RL of 0.1 µg/L); cyanide (monthly average limit of 4.3 µg/L, RL of 5.0 µg/L); and bis- (2-ethylhexyl) phthalate (daily maximum permit limit of 4.0, RL of 4.7 µg/L).

FACILITY CONTACT

If there are any questions regarding this DMR or its enclosures, you may contact Ms. Lori Blair at (818) 466-8741.



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 12th of February 2008 at The Boeing Company, SSFL.

Sincerely,

A handwritten signature in black ink, appearing to read 'Tom Gallacher'.

Thomas D. Gallacher
Director
Santa Susana Field Laboratory
Environment, Health and Safety

Figure: 1 Storm Water Drainage System and Outfall Locations

Appendices:

- A Fourth Quarter 2007 Rainfall Data Summary
- B Fourth Quarter 2007 Liquid Waste Shipment Summary Tables
- C Fourth Quarter 2007 Summary Tables, Outfalls 004, 006, 009, 010, Arroyo Simi Receiving Water, and BMP Effectiveness Effluent Discharge Monitoring Data
- D Fourth Quarter 2007 Radiological Monitoring Data, Outfall 006
- E Fourth Quarter 2007 Summary of Exceedances
- F Reasonable Potential Analysis (RPA) Summary Tables
- G Fourth Quarter 2007 Analytical Laboratory Reports, Chain-of-Custody, and Validation Reports

cc: Jim Pappas, Department of Toxic Substances Control
Robert Marshall, California State University – Northridge, Library
Dale Redfield, Simi Valley Library
Lynn Light, Platt Branch, Los Angeles Library
Norman Riley, Department of Toxic Substances Control

References Cited:

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

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Hunter, Phillip and Davis, Brian. "Naturally Occurring Concentrations of Inorganic Chemicals in Ground Water and Soil at California Air Force Installations." Air Force Center for Environmental Excellence, Brooks Air Force Base, Texas, and Department of Toxic Substances Control, Sacramento, California, 2001.

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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.

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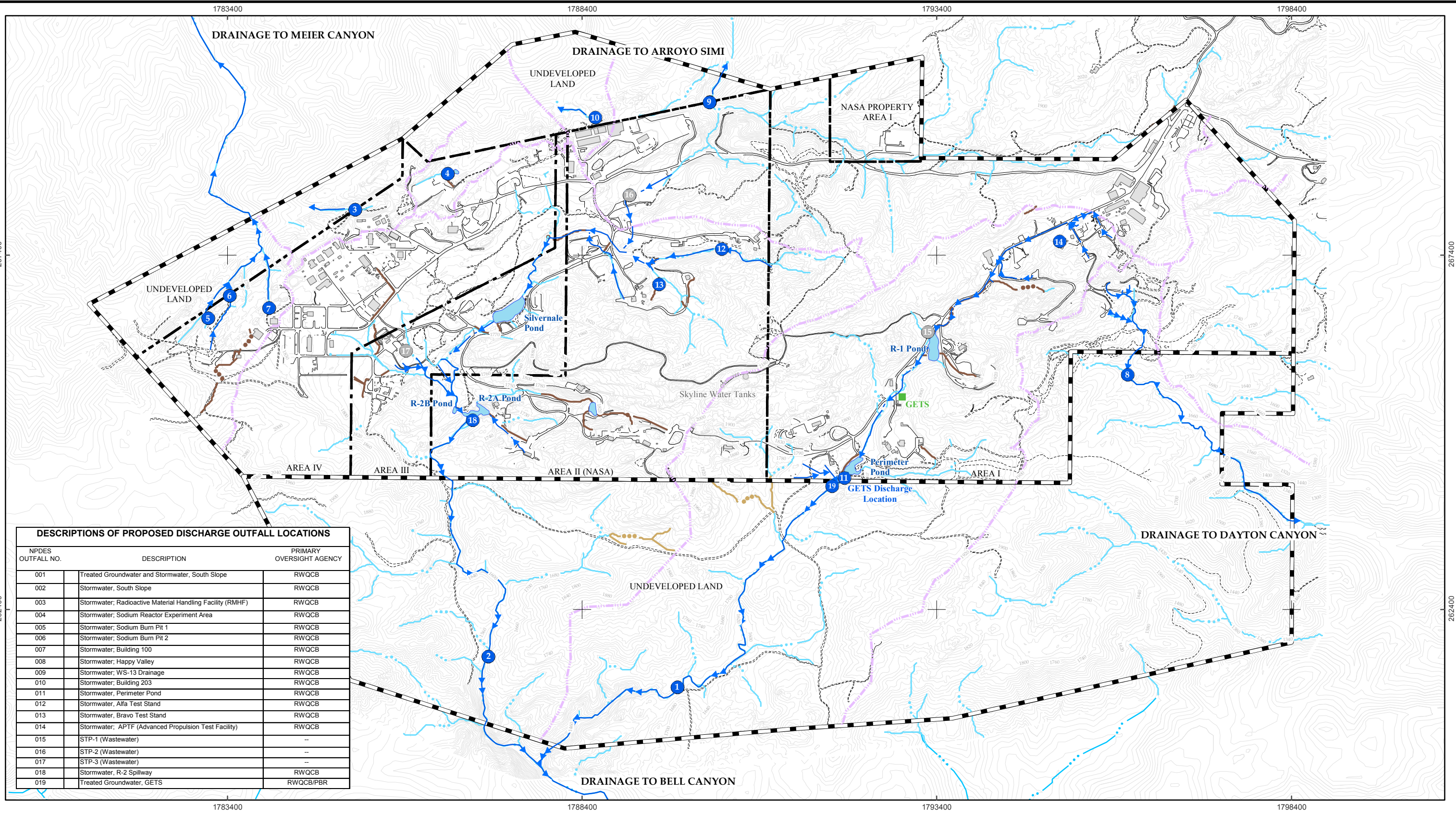
USEPA, 2000. Exposure and Human Health Reassessment of 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD) and Related Compounds. Part I: Estimating Exposure to Dioxin-Like Compounds. Volume 3: Properties, Environmental Levels, and Background Exposures. Draft. EPA/600/P-00/001Ac. Office of Research and Development,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



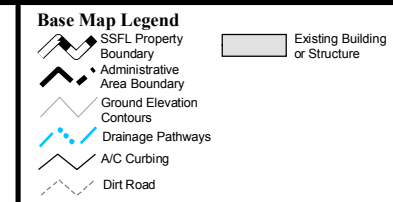
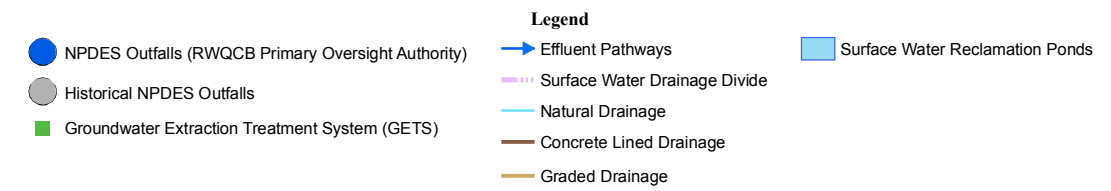
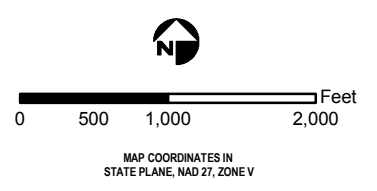
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FIGURE 1

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 (Wastewater)	--
016	STP-2 (Wastewater)	--
017	STP-3 (Wastewater)	--
018	Stormwater, R-2 Spillway	RWQCB
019	Treated Groundwater, GETS	RWQCB/PBR



Site Map with Outfall Locations and Storm Water Drainage Systems

APPENDIX A
FORTH QUARTER 2007 RAINFALL DATA SUMMARY

**TABLE A-1
DAILY RAINFALL SUMMARY**

**THE BOEING COMPANY
NPDES PERMIT NUMBER
CA0001309**

Station: AREA4
Parameter: Rain
Month/Year: October 2007

October 2007

HOUR OF DAY

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily 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	0.00	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
D A Y O F T H E M O N T H	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
	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	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	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	0.05	0.10	0.11	0.26
	13	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31D
	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
	15	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	0.01
	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
	17	0.00	0.00	0.00	0.00	0.01	0.00	0.02	INV	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	0.05
	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
	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	0.00	0.00
	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	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	INV	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	0.00	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
	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
	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
	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	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	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
	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
	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
	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

D = Marked Down/Valid hour

**TABLE A-3
DAILY RAINFALL SUMMARY**

**THE BOEING COMPANY
NPDES PERMIT NUMBER
CA0001309**

**Station: AREA4
Parameter: Rain
Month/Year: December 2007**

December 2007

HOUR OF DAY

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily 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	0.06	0.12	0.18
7	0.08	0.10	0.07	0.02	0.11	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	0.41
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	0.01	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	0.02
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	0.31D	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31D
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.03	0.07
18	0.04	0.05	0.02	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.04	0.01	0.03	0.19	0.17	0.11	0.18	0.04	0.04	0.03	0.06	0.03	1.08
19	0.02	0.06	0.01	0.04	0.00	0.01	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	0.16
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.11
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	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	0.00	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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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

D = Marked Down/Valid hour

APPENDIX B

FOURTH QUARTER 2007 LIQUID WASTE SHIPMENTS SUMMARY
TABLES

**TABLE B-1
THE BOEING COMPANY**

**NPDES PERMIT CA0001309
LIQUID WASTE SHIPMENTS
October 2007**

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
10/8/2007	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Saugus
10/8/2007	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Saugus
10/8/2007	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Carson
10/10/2007	WATER & OIL	7220	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/12/2007	NON-HAZ OUTFALL 007 AND OUTFALL 006 RINSE WATER	40160	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.
10/12/2007	NON-HAZ OUTFALL 007 AND OUTFALL 006 RINSE WATER	40460	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.
10/15/2007	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Saugus
10/15/2007	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Saugus
10/15/2007	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Carson
10/15/2007	NON-HAZ OUTFALL 007 AND OUTFALL 006 RINSE WATER	40790	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.
10/15/2007	NON-HAZ OUTFALL 007 AND OUTFALL 006 RINSE WATER	38290	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.
10/16/2007	NON-HAZ OUTFALL 007 AND OUTFALL 006 RINSE WATER	8600	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.
10/17/2007	SODIUM HYDROXIDE SOLUTION	88	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	SODIUM HYDROXIDE SLUDGE	266	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	MERCURY ITEMS (THERMOMETERS & SWITCHES)	6	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	DIESEL FUEL	128	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702

**TABLE B-1
THE BOEING COMPANY**

**NPDES PERMIT CA0001309
LIQUID WASTE SHIPMENTS
October 2007**

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
10/17/2007	ANTIFREEZE & WATER	253	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	SURFACTANT - NON-RCRA SOAP	523	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	MIXED OILS	178	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	WATER & OIL	345	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	MERCURY ITEMS (THERMOMETERS & SWITCHES)	3	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	SURFACTANT - NON-RCRA SOAP	671	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	WATER & OIL	7220	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	AMINE LOOSEPACK	35	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	LOOSEPACK FLAMMABLE LIQUID FOR DECANT.	120	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	PACKED LAB CHEMICALS	123	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	PACKED LAB CHEMICALS	15	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	PACKED LAB CHEMICALS	10	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	AMINE LOOSEPACK	10	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	POTASSIUM HYDROXIDE	300	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	LOOSEPACK ACID, INORGANIC, LIQUID	30	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/17/2007	MIXED OILS	1200	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702

**TABLE B-1
THE BOEING COMPANY**

**NPDES PERMIT CA0001309
LIQUID WASTE SHIPMENTS
October 2007**

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
10/17/2007	LOOSEPACK NON-RCRA LIQUIDS	450	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/19/2007	DECON WATER	580	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
10/30/2007	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Saugus
10/30/2007	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Carson

**TABLE B-2
THE BOEING COMPANY**

**NPDES PERMIT CA0001309
LIQUID WASTE SHIPMENTS
November 2007**

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
11/8/2007	NON-HAZ SPTF STORM WATER	37560	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.
11/8/2007	NON-HAZ SPTF STORM WATER	46600	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.
11/8/2007	GROUNDWATER WITH TRACE TRICHLOROETHENE	42090	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
11/9/2007	NON-HAZ SPTF STORM WATER	24330	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.
11/9/2007	GROUNDWATER WITH TRACE TRICHLOROETHENE	42100	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
11/9/2007	GROUNDWATER WITH TRACE TRICHLOROETHENE	24900	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
11/12/2007	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Saugus
11/12/2007	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Saugus
11/12/2007	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Carson
11/14/2007	LOOSEPACK OF FLAMMABLE LIQUIDS	177	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
11/14/2007	PACKED LAB CHEMICALS	22	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
11/14/2007	BASIC, INORGANIC LOOSEPACK	57	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
11/14/2007	RP-1 KEROSENE FUEL	92	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
11/14/2007	SEALED LEAD ACID BATTERIES	64	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
11/14/2007	MERCURY CONTAINED IN MANUFACTURED ARTICLES	11	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
11/14/2007	PAINT SHOP WASHWATER	120	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
11/14/2007	WATER & OIL	4597	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702

**TABLE B-2
THE BOEING COMPANY**

**NPDES PERMIT CA0001309
LIQUID WASTE SHIPMENTS
November 2007**

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
11/14/2007	ANTIFREEZE & WATER	509	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
11/14/2007	MIXED OILS	626	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
11/14/2007	SURFACTANT - NON-RCRA SOAP	79	LBS.	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702	VEOLIA ENVIRONMENTAL SERVICES INC. 1704 W. FIRST ST. AZUSA, CA. 91702
11/27/2007	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Saugus
11/27/2007	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Saugus
11/27/2007	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Carson

**TABLE B-3
THE BOEING COMPANY**

**NPDES PERMIT CA0001309
LIQUID WASTE SHIPMENTS
December 2007**

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
12/10/2007	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Saugus
12/10/2007	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Saugus
12/10/2007	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Carson
12/18/2007	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Saugus
12/18/2007	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Saugus
12/18/2007	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC. 4120 BANDINI BLVD. LOS ANGELES, CA.	LACSD Carson

APPENDIX C

FOURTH QUARTER 2007 SUMMARY TABLES, DISCHARGE
MONITORING DATA, OUTFALLS 004, 006, 009, 010 AND 014, AND
RECEIVING WATER LOCATION (ARROYO SIMI)

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

Notes:

1. TCDD TEQs for the purpose of determining permit compliance are the sum of the products of the detected dioxin congener concentration multiplied by that congener's 1998 World Health Organization's (WHO) toxic equivalency factor (TEF). The resulting compliance TCDD TEQ does not include those congener concentrations that are reported as DNQ, as specified on (Page 46, Section D) of the NPDES Permit Effective April 28, 2006, and (Page 56, Section D) of the NPDES Permit Effective December 20, 2007.
2. For some sample dates, pH was determined with a field instrument to obtain a more representative result and was noted as such. These results were not validated.
3. The NPDES permit limits for mercury of 0.10 µg/L (Outfalls 011, 018 and 019) and 0.13 µg/L (Outfalls 3-10) are not achievable by the laboratory; therefore, the laboratory reporting limit of 0.20 µg/L was used to determine compliance.

4. The following assumptions and rationale were used to report the DMR Quantity or Loading results:

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

Where:

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

In Compliance with the NPDES Permit Effective April 28, 2006 (Page 46, Section D) and
the NPDES Permit Effective December 20, 2007 (Page 56, Section D), for Monthly
Average Discharge Values:

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

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

Symbols and Abbreviations:

The following symbols and abbreviations may occur on report tables:

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

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

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

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

- ^ analysis not completed due to hold time exceedence or insufficient sample volume
- + False positive – reported compound was not present. Not applicable.

OUTFALL 004 (SRE)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/19/2007	
			RESULT	VALIDATION QUALIFIER
Chloride	mg/L	150/-	46	--
Fluoride	mg/L	1.6/-	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	1.1	--
Oil & Grease	mg/L	15/-	ND < 1.1	U
Perchlorate	ug/L	6.0/-	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	8.4	*
Sulfate	mg/L	250/-	22	--
Temperature	deg. F	86/-	54	*
Total Cyanide	ug/L	-/-	ANR	ANR
Total Dissolved Solids	mg/L	850/-	240	--
Total Suspended Solids	mg/L	-/-	26	--
Volume Discharged	MGD	17.8/-	0.000165	*
METALS				
Aluminum	ug/L	-/-	ANR	ANR
Antimony	ug/L	6.0/-	0.78	J (DNQ)
Antimony, dissolved	ug/L	-/-	0.74	J (DNQ)
Arsenic	ug/L	-/-	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR
Cadmium	ug/L	4.0/-	ND < 0.11	U
Cadmium, dissolved	ug/L	-/-	ND < 0.11	U
Chromium	ug/L	-/-	ANR	ANR
Copper	ug/L	14.0/-	4.6	--
Copper, dissolved	ug/L	-/-	2.2	--
Lead	ug/L	5.2/-	1.1	--
Lead, dissolved	ug/L	-/-	0.12	J (DNQ)
Mercury	ug/L	0.13/-	ND < 0.050	U
Mercury, dissolved	ug/L	-/-	0.058	J (DNQ)
Nickel	ug/L	-/-	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR
Silver	ug/L	-/-	ANR	ANR
Thallium	ug/L	2.0/-	ND < 0.15	U
Thallium, dissolved	ug/L	-/-	ND < 0.15	U
Vanadium	ug/L	-/-	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR
ORGANICS				
Benzene	ug/L	-/-	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR

OUTFALL 004 (SRE)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/19/2007	
			RESULT	VALIDATION QUALIFIER
Toluene	ug/L	-/-	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR
ADDITIONAL ANALYTES				
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR

OUTFALL 004 (SRE)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/19/2007	
			RESULT	VALIDATION QUALIFIER
Aroclor-1242	ug/L	-/-	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR

OUTFALL 004 (SRE)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/19/2007	
			RESULT	VALIDATION QUALIFIER
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR

OUTFALL 004 (SRE)

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

Sample Date December 19, 2007

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	3.42E-05	--	0.01	3.42E-07	3.42E-07
1,2,3,4,6,7,8-HpCDF	0.00E+00	2.50E-05	4.79E-06	J (DNQ)	0.01	4.79E-08	ND
1,2,3,4,7,8,9-HpCDF	7.65E-07	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	1.60E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	3.17E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	1.68E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	3.55E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	1.63E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	6.16E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	7.22E-07	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	8.41E-07	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	4.11E-07	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	9.94E-07	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	6.66E-07	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	1.12E-06	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	5.47E-04	--	0.0001	5.47E-08	5.47E-08
OCDF	0.00E+00	1.06E-05	ND	UJ (*III)	0.0001	ND	ND

TCDD TEQ w/ DNQ Values	4.45E-07	
TCDD TEQ w/out DNQ Values		3.97E-07

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 004 (SRE)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/19/2007	
			Result	CONCENTRATION RESULT VALIDATION QUALIFIER
Chloride	LBS/DAY	22,268/-	0.06	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	0.0015	--
Oil & Grease	LBS/DAY	2,227/-	ND	U
Sulfate	LBS/DAY	37,113/-	0.03	--
Total Dissolved Solids	LBS/DAY	126,184/-	0.33	--
METALS				
Antimony	LBS/DAY	0.89/-	0.0000011	J (DNQ)
Cadmium	LBS/DAY	0.59/-	ND	U
Copper	LBS/DAY	2.08/-	0.0000063	--
Lead	LBS/DAY	0.77/-	0.0000015	--
Mercury	LBS/DAY	0.02/-	ND	U
Thallium	LBS/DAY	0.3/-	ND	U
ADDITIONAL ANALYTES				
TCDD TEQ_NoDNQ	LBS/DAY	4.2E-09/-	5.46E-13	*

OUTFALL 006 (FSDf-2)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/7/2007		12/19/2007	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Chloride	mg/L	150/-	170	--	210	--
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	ND < 0.15	U	0.35	--
Oil & Grease	mg/L	15/-	ND < 1.1	U	ND < 1.1	U
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	7.4	*	7.1	*
Sulfate	mg/L	250/-	56	--	60	--
Temperature	deg. F	86/-	53	*	55	*
Total Cyanide	ug/L	-/-	ANR	ANR	ANR	ANR
Total Dissolved Solids	mg/L	850/-	620	--	670	--
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	ND < 10	U	ND < 10	U
Volume Discharged	MGD	17.8/-	0.000165	*	0.00364	*
METALS						
Aluminum	ug/L	-/-	ANR	ANR	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Antimony	ug/L	6.0/-	0.43	J (DNQ)	0.42	J (DNQ)
Antimony, dissolved	ug/L	-/-	0.45	J (DNQ)	0.45	J (DNQ)
Arsenic	ug/L	-/-	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	0.13	J (DNQ)	0.12	J (DNQ)
Cadmium, dissolved	ug/L	-/-	ND < 0.11	U	0.12	J (DNQ)
Chromium	ug/L	-/-	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Copper	ug/L	14.0/-	0.97	J (DNQ)	0.84	J (DNQ)
Copper, dissolved	ug/L	-/-	ND < 0.75	U	ND < 0.75	U
Iron	mg/L	-/-	ANR	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/-	0.36	J (DNQ)	0.42	J (DNQ)
Lead, dissolved	ug/L	-/-	ND < 0.10	U	ND < 0.10	U
Mercury	ug/L	0.13/-	ND < 0.050	U	ND < 0.050	U
Mercury, dissolved	ug/L	-/-	ND < 0.050	U	ND < 0.050	U
Nickel	ug/L	-/-	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR

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

OUTFALL 006 (FSD-2)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/7/2007		12/19/2007	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Thallium	ug/L	2.0/-	ND < 0.15	U	ND < 0.15	U
Thallium, dissolved	ug/L	-/-	0.35	J (DNQ)	ND < 0.15	U
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR	ANR
Zinc, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
ORGANICS						
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES						
2,4,5-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR

OUTFALL 006 (FSDf-2)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/7/2007		12/19/2007	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Methylnaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chloroaniline	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
Aniline	ug/L	-/-	ANR	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzoic acid	ug/L	-/-	ANR	ANR	ANR	ANR
Benzyl alcohol	ug/L	-/-	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR

OUTFALL 006 (FSDF-2)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/7/2007		12/19/2007	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Dibenzofuran	ug/L	-/-	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin ketone	ug/L	-/-	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR
Methoxychlor	ug/L	-/-	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR
m-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR
o-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR
p-Cresol	ug/L	-/-	ANR	ANR	ANR	ANR

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

OUTFALL 006 (FSDf-2)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/7/2007		12/19/2007	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR
p-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR

OUTFALL 006 (FSDF-2)

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

Sample Date December 7, 2007

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	3.00E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,6,7,8-HpCDF	9.99E-07	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8,9-HpCDF	1.21E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	1.11E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	5.29E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	1.18E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	5.83E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	1.14E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	8.58E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	7.33E-07	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	8.57E-07	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	6.84E-07	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	8.55E-07	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	7.80E-07	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	1.13E-06	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	1.27E-05	J (DNQ)	0.0001	1.27E-09	ND
OCDF	3.22E-06	5.00E-05	ND	U	0.0001	ND	ND

TCDD TEQ w/ DNQ Values	1.27E-09	
TCDD TEQ w/out DNQ Values		ND

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 006 (FSDF-2)

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

Sample Date December 19, 2007

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.07E-06	ND	UJ (*III)	0.01	ND	ND
1,2,3,4,6,7,8-HpCDF	7.60E-07	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8,9-HpCDF	1.01E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	1.24E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	4.99E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	1.40E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	5.41E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	1.32E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	9.21E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	8.95E-07	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	8.27E-07	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	5.99E-07	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	9.01E-07	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	6.61E-07	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	1.33E-06	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	1.76E-05	J (DNQ)	0.0001	1.76E-09	ND
OCDF	1.52E-06	5.00E-05	ND	U	0.0001	ND	ND

TCDD TEQ w/ DNQ Values	1.79E-09	
TCDD TEQ w/out DNQ Values		ND

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 006 (FSDF-2)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/7/2007		12/19/2007	
			Result	CONCENTRATION RESULT VALIDATION QUALIFIER	Result	CONCENTRATION RESULT VALIDATION QUALIFIER
Chloride	LBS/DAY	22,268/-	3.1	--	6.4	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	ND	U	0.011	--
Oil & Grease	LBS/DAY	2,227/-	ND	U	ND	U
Sulfate	LBS/DAY	37,113/-	1.0	--	1.8	--
Total Dissolved Solids	LBS/DAY	126,184/-	11	--	20	--
METALS						
Antimony	LBS/DAY	0.89/-	0.0000078	J (DNQ)	0.000013	J (DNQ)
Cadmium	LBS/DAY	0.59/-	0.0000024	J (DNQ)	0.0000036	J (DNQ)
Copper	LBS/DAY	2.08/-	0.000018	J (DNQ)	0.000026	J (DNQ)
Lead	LBS/DAY	0.77/-	0.0000065	J (DNQ)	0.000013	J (DNQ)
Mercury	LBS/DAY	0.02/-	ND	U	ND	U
Thallium	LBS/DAY	0.3/-	ND	U	ND	U
ADDITIONAL ANALYTES						
TCDD TEQ_NoDNQ	LBS/DAY	4.2E-09/-	ND	*	ND	*

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/19/2007	
			RESULT	VALIDATION QUALIFIER
Chloride	mg/L	150/-	5.9	*
Fluoride	mg/L	1.6/-	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	0.81	*
Oil & Grease	mg/L	15/-	ND < 1.1	*
Perchlorate	ug/L	6.0/-	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	6.8	*
Sulfate	mg/L	250/-	16	*
Temperature	deg. F	86/-	51	*
Total Cyanide	ug/L	-/-	ANR	ANR
Total Dissolved Solids	mg/L	850/-	120	*
Hardness	mg/L	-/-	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR
Total Suspended Solids	mg/L	-/-	ND < 10	*
Volume Discharged	MGD	17.8/-	ANR	ANR
METALS				
Aluminum	ug/L	-/-	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR
Antimony	ug/L	6.0/-	0.40	J (DNQ)
Antimony, dissolved	ug/L	-/-	0.39	J (DNQ)
Arsenic	ug/L	-/-	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR
Boron	mg/L	-/-	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR
Cadmium	ug/L	4.0/-	ND < 0.11	U
Cadmium, dissolved	ug/L	-/-	ND < 0.11	U
Chromium	ug/L	-/-	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR
Copper	ug/L	14.0/-	2.4	--
Copper, dissolved	ug/L	-/-	2.0	--
Iron	mg/L	-/-	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR
Lead	ug/L	5.2/-	0.47	J (DNQ)
Lead, dissolved	ug/L	-/-	0.20	J (DNQ)
Mercury	ug/L	0.13/-	ND < 0.050	U
Mercury, dissolved	ug/L	-/-	ND < 0.050	U

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/19/2007	
			RESULT	VALIDATION QUALIFIER
Nickel	ug/L	-/-	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR
Silver	ug/L	-/-	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR
Thallium	ug/L	2.0/-	ND < 0.15	U
Thallium, dissolved	ug/l	-/-	ND < 0.15	U
Vanadium	ug/L	-/-	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR
Zinc, dissolved	ug/L	-/-	ANR	ANR
ORGANICS				
Benzene	ug/L	-/-	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR
ADDITIONAL ANALYTES				
2,4,5-Trichlorophenol	ug/L	-/-	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/19/2007	
			RESULT	VALIDATION QUALIFIER
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR
2-Methylnaphthalene	ug/L	-/-	ANR	ANR
2-Methylphenol	ug/L	-/-	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR
4-Chloroaniline	ug/L	-/-	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR
Aniline	ug/L	-/-	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/19/2007	
			RESULT	VALIDATION QUALIFIER
Aroclor-1248	ug/L	-/-	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR
Benzo(g,h,l)perylene	ug/L	-/-	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR
Benzoic acid	ug/L	-/-	ANR	ANR
Benzyl alcohol	ug/L	-/-	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR
Dibenzofuran	ug/L	-/-	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR

OUTFALL 009 (WS-13 Drainage)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/19/2007	
			RESULT	VALIDATION QUALIFIER
Endrin	ug/L	-/-	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR
Endrin ketone	ug/L	-/-	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR
Methoxychlor	ug/L	-/-	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR
m-Nitroaniline	ug/L	-/-	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR
o-Nitroaniline	ug/L	-/-	ANR	ANR
p-Cresol	ug/L	-/-	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR
p-Nitroaniline	ug/L	-/-	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR

OUTFALL 009 (WS-13 Drainage)

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

Sample Date December 19, 2007

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	1.63E-05	J (DNQ)	0.01	1.63E-07	ND
1,2,3,4,6,7,8-HpCDF	3.80E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8,9-HpCDF	6.85E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	3.44E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	9.74E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	3.64E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	8.77E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	3.45E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	1.51E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	1.65E-06	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	1.92E-06	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	1.05E-06	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	1.97E-06	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	1.30E-06	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	1.48E-06	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	1.87E-04	--	0.0001	1.87E-08	1.87E-08
OCDF	1.07E-05	5.00E-05	ND	U	0.0001	ND	ND

TCDD TEQ w/ DNQ Values	1.82E-07	
TCDD TEQ w/out DNQ Values		1.87E-08

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 010 (Building 203)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/7/2007		12/19/2007	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Chloride	mg/L	150/-	29	*	62	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	2.3	*	2.6	*
Oil & Grease	mg/L	15/-	ND < 1.1	*	ND < 1.1	*
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	8.5	*	7.5	*
Sulfate	mg/L	250/-	22	*	33	*
Temperature	deg. F	86/-	52	*	55	*
Total Cyanide	ug/L	-/-	ANR	ANR	ANR	ANR
Total Dissolved Solids	mg/L	850/-	230	*	340	*
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	ND < 10	*	ND < 10	*
Volume Discharged	MGD	17.8/-	0.0000021	*	0.000215	*
METALS						
Aluminum	ug/L	-/-	ANR	ANR	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Antimony	ug/L	6.0/-	1.1	J (DNQ)	0.68	J (DNQ)
Antimony, dissolved	ug/L	-/-	1.1	J (DNQ)	0.71	J (DNQ)
Arsenic	ug/L	-/-	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	ND < 0.11	U	ND < 0.11	U
Cadmium, dissolved	ug/L	-/-	ND < 0.11	U	ND < 0.11	U
Chromium	ug/L	-/-	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Copper	ug/L	14.0/-	6.9	--	3.4	--
Copper, dissolved	ug/L	-/-	4.3	--	1.9	J (DNQ)
Iron	mg/L	-/-	ANR	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/-	0.30	J (DNQ)	0.25	J (DNQ)
Lead, dissolved	ug/L	-/-	ND < 0.10	U	ND < 0.10	U
Mercury	ug/L	0.13/-	ND < 0.050	U	ND < 0.050	U
Mercury, dissolved	ug/L	-/-	ND < 0.050	U	ND < 0.050	U
Nickel	ug/L	-/-	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR

OUTFALL 010 (Building 203)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/7/2007		12/19/2007	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Thallium	ug/L	2.0/-	ND < 0.15	U	ND < 0.15	U
Thallium, dissolved	ug/L	-/-	ND < 0.15	U	ND < 0.15	U
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR	ANR
Zinc, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR
ORGANICS						
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES						
2,4,5-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR

OUTFALL 010 (Building 203)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/7/2007		12/19/2007	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Methylnaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
2-Methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chloroaniline	ug/L	-/-	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
Aniline	ug/L	-/-	ANR	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Benzoic acid	ug/L	-/-	ANR	ANR	ANR	ANR
Benzyl alcohol	ug/L	-/-	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR

OUTFALL 010 (Building 203)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/7/2007		12/19/2007	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR
Dibenzofuran	ug/L	-/-	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR
Endrin ketone	ug/L	-/-	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR
Methoxychlor	ug/L	-/-	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR
m-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR
o-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR
p-Cresol	ug/L	-/-	ANR	ANR	ANR	ANR

OUTFALL 010 (Building 203)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/7/2007		12/19/2007	
			RESULT	VALIDATION QUALIFIER	RESULT	VALIDATION QUALIFIER
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR
p-Nitroaniline	ug/L	-/-	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR

OUTFALL 010 (Building 203)

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

Sample Date December 7, 2007

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	3.32E-06	J (DNQ)	0.01	3.32E-08	ND
1,2,3,4,6,7,8-HpCDF	1.55E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8,9-HpCDF	7.37E-07	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	1.69E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	7.44E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	1.87E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	8.11E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	1.78E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	1.20E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	7.69E-07	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	9.81E-07	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	8.75E-07	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	9.69E-07	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	7.77E-07	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	9.00E-07	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	1.99E-05	J (DNQ)	0.0001	1.99E-09	ND
OCDF	3.60E-06	5.00E-05	ND	U	0.0001	ND	ND

TCDD TEQ w/ DNQ Values	3.52E-08	
TCDD TEQ w/out DNQ Values		ND

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 010 (Building 203)

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

Sample Date December 19, 2007

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	7.85E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,6,7,8-HpCDF	1.48E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8,9-HpCDF	3.33E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	2.73E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	1.23E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	2.89E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	1.21E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	2.74E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	2.30E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	1.81E-06	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	2.95E-06	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	1.27E-06	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	2.76E-06	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	1.12E-06	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	1.36E-06	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	3.75E-05	J (DNQ)	0.0001	3.75E-09	ND
OCDF	1.59E-05	5.00E-05	ND	UJ (I)	0.0001	ND	ND

TCDD TEQ w/ DNQ Values	3.75E-09	
TCDD TEQ w/out DNQ Values		ND

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

OUTFALL 010 (Building 203)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/7/2007		12/19/2007	
			Result	CONCENTRATION RESULT VALIDATION QUALIFIER	Result	CONCENTRATION RESULT VALIDATION QUALIFIER
Chloride	LBS/DAY	22,268/-	5.08E-04	*	0.11	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	4.03E-05	*	0.0047	*
Oil & Grease	LBS/DAY	2,227/-	ND	*	ND	*
Sulfate	LBS/DAY	37,113/-	3.85E-04	*	0.06	*
Total Dissolved Solids	LBS/DAY	126,184/-	0.004	*	0.61	*
METALS						
Antimony	LBS/DAY	0.89/-	1.93E-08	J (DNQ)	0.0000012	J (DNQ)
Cadmium	LBS/DAY	0.59/-	ND	U	ND	U
Copper	LBS/DAY	2.08/-	1.21E-07	--	0.0000061	--
Lead	LBS/DAY	0.77/-	5.25E-09	J (DNQ)	0.00000045	J (DNQ)
Mercury	LBS/DAY	0.02/-	ND	U	ND	U
Thallium	LBS/DAY	0.3/-	ND	U	ND	U
ADDITIONAL ANALYTES						
TCDD TEQ_NoDNQ	LBS/DAY	4.2E-09/-	ND	*	ND	*

OUTFALL 014 (APTF)

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

December 20 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/21/2007	
			RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	ND < 0.30	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	-/-	11	--
Chloride	mg/L	150/-	810	--
Fluoride	mg/L	1.6/-	1.2	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8.0/-	ND < 0.15	*
Nitrate as Nitrogen (N)	mg/L	8.0/-	0.098	J* (DNQ)
Nitrite-N	mg/L	1.0/-	ND < 0.090	*
Oil & Grease	mg/L	15/10	ND < 1.3	U
Perchlorate	ug/L	6.0/-	ND < 1.5	*
pH (Field)	pH units	6.5-8.5/-	8.3	*
Total Settleable Solids	ml/L	0.3/0.1	ND < 0.10	*
Sulfate	mg/L	300/-	240	*
Temperature	deg. F	86/-	42	*
Total Cyanide	ug/L	-/-	ANR	ANR
Total Dissolved Solids	mg/L	950/-	2000	--
Total Suspended Solids	mg/L	45/15	ND < 10	*
Turbidity	NTU	-/-	5.2	--
Volume Discharged	MGD	-/-	ANR	ANR
METALS				
Antimony	ug/L	-/-	ANR	ANR
Arsenic	ug/L	-/-	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR
Boron	mg/L	-/-	ND < 0.020	U
Boron, dissolved	mg/L	-/-	ND < 0.020	U
Cadmium	ug/L	3.1/-	ND < 2.0	U
Cadmium, dissolved	ug/L	-/-	ND < 2.0	U
Chromium	ug/L	-/-	ANR	ANR
Copper	ug/L	13.5/6.7	4.4	J (DNQ)
Copper, dissolved	ug/L	-/-	ND < 3.0	U
Lead	ug/L	5.2/2.6	ND < 3.0	U
Lead, dissolved	ug/L	-/-	ND < 3.0	U
Mercury	ug/L	0.10/0.05	ND < 0.050	U
Mercury, dissolved	ug/L	-/-	ND < 0.050	U
Nickel	ug/L	-/-	ANR	ANR
Selenium	ug/L	-/-	ND < 17	UJ (B)
Selenium, dissolved	ug/L	-/-	18	J (*III)
Silver	ug/L	-/-	ANR	ANR

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

OUTFALL 014 (APTF)

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

December 20 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/21/2007	
			RESULT	VALIDATION QUALIFIER
Thallium	ug/L	-/-	ANR	ANR
Zinc	ug/L	159/-	8.6	J (DNQ)
Zinc, dissolved	ug/L	-/-	ND < 6.0	U
ORGANICS				
Benzene	ug/L	-/-	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR
1,4-Dioxane	ug/L	3/-	ND < 1.0	*
Ethylbenzene	ug/L	-/-	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR
TPH				
EFH (C13 - C22)	mg/L	0.1/-	ND < 0.095	*
GRO (C4 - C12)	mg/L	0.1/-	ND < 0.025	*
TRPH	mg/L	0.1/-	ANR	ANR
ADDITIONAL ANALYTES				
2,4,5-Trichlorophenol	ug/L	-/-	ND < 2.9	*
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ND < 2.4	*
1,2,3-Trichloropropane	ug/L	-/-	ND < 0.40	*
1,2-Dibromoethane (EDB)	ug/L	50/-	ND < 0.40	*
1,2-Dichlorobenzene	ug/L	-/-	ND < 2.9	*
1,2-Dichloropropane	ug/L	-/-	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ND < 1.9	*
1,3-Dichlorobenzene	ug/L	-/-	ND < 2.9	*
1,4-Dichlorobenzene	ug/L	-/-	ND < 2.4	*
2,4,6-Trichlorophenol	ug/L	-/-	ND < 2.9	*
2,4-Dichlorophenol	ug/L	-/-	ND < 1.9	*
2,4-Dimethylphenol	ug/L	-/-	ND < 3.3	*
2,4-Dinitrophenol	ug/L	-/-	ND < 4.3	*

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

OUTFALL 014 (APTF)

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

December 20 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/21/2007	
			RESULT	VALIDATION QUALIFIER
2,4-Dinitrotoluene	ug/L	-/-	ND < 1.9	*
2,6-Dinitrotoluene	ug/L	-/-	ND < 1.9	*
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ND < 1.9	*
2-Chlorophenol	ug/L	-/-	ND < 1.9	*
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ND < 3.8	*
2-Methylnaphthalene	ug/L	-/-	ND < 1.9	*
2-Methylphenol	ug/L	-/-	ND < 1.9	*
2-Nitrophenol	ug/L	-/-	ND < 3.3	*
3,3'-Dichlorobenzidine	ug/L	-/-	ND < 2.9	*
4,4'-DDD	ug/L	-/-	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ND < 2.4	*
4-Chloro-3-methylphenol	ug/L	-/-	ND < 1.9	*
4-Chloroaniline	ug/L	-/-	ND < 1.9	*
4-Chlorophenylphenylether	ug/L	-/-	ND < 1.9	*
4-Nitrophenol	ug/L	-/-	ND < 5.3	*
Acenaphthene	ug/L	-/-	ND < 1.9	*
Acenaphthylene	ug/L	-/-	ND < 1.9	*
Acrolein	ug/L	-/-	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR
Aniline	ug/L	-/-	ND < 2.4	*
Anthracene	ug/L	-/-	ND < 1.9	*
Aroclor-1016	ug/L	-/-	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR
Benzidine	ug/L	-/-	ND < 8.1	*
Benzo(a)anthracene	ug/L	-/-	ND < 1.9	*
Benzo(a)pyrene	ug/L	-/-	ND < 1.9	*
Benzo(b)fluoranthene	ug/L	-/-	ND < 1.9	*

OUTFALL 014 (APTF)

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

December 20 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/21/2007	
			RESULT	VALIDATION QUALIFIER
Benzo(g,h,i)perylene	ug/L	-/-	ND < 2.9	*
Benzo(k)fluoranthene	ug/L	-/-	ND < 1.9	*
Benzoic acid	ug/L	-/-	ND < 8.1	*
Benzyl alcohol	ug/L	-/-	ND < 2.4	*
beta-BHC	ug/L	-/-	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ND < 2.4	*
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ND < 3.8	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ND < 1.9	*
bis(2-Chloroisopropyl) ether	ug/L	-/-	ND < 2.4	*
Bromodichloromethane	ug/L	-/-	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ND < 3.8	*
Chlordane	ug/L	-/-	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR
Chrysene	ug/L	-/-	ND < 1.9	*
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ND < 2.9	*
Dibenzofuran	ug/L	-/-	ND < 1.9	*
Dibromochloromethane	ug/L	-/-	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR
Diethylphthalate	ug/L	-/-	ND < 1.9	*
Diisopropyl ether	ug/L	-/-	ND < 0.25	*
Dimethylphthalate	ug/L	-/-	ND < 1.9	*
Di-n-butylphthalate	ug/L	-/-	ND < 1.9	*
Di-n-octylphthalate	ug/L	-/-	ND < 1.9	*
Endosulfan I	ug/L	-/-	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR
Fluoranthene	ug/L	-/-	ND < 1.9	*
Fluorene	ug/L	-/-	ND < 1.9	*
Heptachlor	ug/L	-/-	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR

OUTFALL 014 (APTF)

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

December 20 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/21/2007	
			RESULT	VALIDATION QUALIFIER
Hexachlorobenzene	ug/L	-/-	ND < 2.4	*
Hexachlorobutadiene	ug/L	-/-	ND < 3.3	*
Hexachlorocyclopentadiene	ug/L	-/-	ND < 4.8	*
Hexachloroethane	ug/L	-/-	ND < 2.9	*
Hydrazine	ug/L	-/-	ND < 0.15	UJ (H)
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ND < 2.9	*
Isophorone	ug/L	-/-	ND < 1.9	*
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR
Methyl-tert-butyl ether	ug/L	-/-	ND < 0.32	*
m-Nitroaniline	ug/L	-/-	ND < 1.9	*
Monomethyl Hydrazine	ug/L	-/-	ND < 0.56	UJ (H)
Naphthalene	ug/L	21/-	ND < 2.4	*
Nitrobenzene	ug/L	-/-	ND < 2.4	*
n-Nitrosodimethylamine	ug/L	-/-	ND < 2.4	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ND < 2.4	*
n-Nitrosodiphenylamine	ug/L	-/-	ND < 1.9	*
o-Nitroaniline	ug/L	-/-	ND < 1.9	*
p-Cresol	ug/L	-/-	ND < 1.9	*
Pentachlorophenol	ug/L	-/-	ND < 3.3	*
Phenanthrene	ug/L	-/-	ND < 1.9	*
Phenol	ug/L	-/-	ND < 1.9	*
p-Nitroaniline	ug/L	-/-	ND < 2.4	*
Pyrene	ug/L	-/-	ND < 1.9	*
tertiary Butyl Alcohol	ug/L	12/-	ND < 4.9	*
Toxaphene	ug/L	-/-	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ND < 0.32	UJ (H)

OUTFALL 014 (APTF)

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

Sample Date December 21, 2007

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER	1998 WHO TEF	TCDD Equivalent (w/DNQ Values) (ug/L)	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	0.00E+00	2.50E-05	1.08E-05	J (DNQ)	0.01	1.08E-07	ND
1,2,3,4,6,7,8-HpCDF	2.08E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8,9-HpCDF	1.07E-06	2.50E-05	ND	U	0.01	ND	ND
1,2,3,4,7,8-HxCDD	2.20E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,4,7,8-HxCDF	6.15E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDD	2.18E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,6,7,8-HxCDF	6.69E-07	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDD	2.18E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8,9-HxCDF	1.14E-06	2.50E-05	ND	U	0.1	ND	ND
1,2,3,7,8-PeCDD	1.32E-06	2.50E-05	ND	U	1	ND	ND
1,2,3,7,8-PeCDF	1.44E-06	2.50E-05	ND	U	0.05	ND	ND
2,3,4,6,7,8-HxCDF	7.23E-07	2.50E-05	ND	U	0.1	ND	ND
2,3,4,7,8-PeCDF	1.42E-06	2.50E-05	ND	U	0.5	ND	ND
2,3,7,8-TCDD	8.77E-07	5.00E-06	ND	U	1	ND	ND
2,3,7,8-TCDF	1.34E-06	5.00E-06	ND	U	0.1	ND	ND
OCDD	0.00E+00	5.00E-05	1.07E-04	--	0.0001	1.07E-08	1.07E-08
OCDF	4.92E-06	5.00E-05	ND	U	0.0001	ND	ND

TCDD TEQ w/ DNQ Values	1.19E-07	
TCDD TEQ w/out DNQ Values		1.07E-08

Dioxin TCDD TEQ compliance limit established for this outfall?

Yes

TCDD TEQ PERMIT LIMIT = 2.80E-08

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

ARROYO SIMI (Frontier Park Receiving Water)

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

December 20 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/27/2007	
			RESULT	VALIDATION QUALIFIER
Total Cyanide	ug/L	-/-	ANR	ANR
Calcium	mg/L	-/-	240	--
Hardness	mg/L	-/-	880	--
pH (Field)	pH units	-/-	7.5	*
Temperature	deg. F	-/-	42	*
Water Velocity	ft/s	-/-	1.08	*
METALS				
Antimony	ug/L	-/-	ANR	ANR
Arsenic	ug/L	-/-	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR
Cadmium	ug/L	-/-	ANR	ANR
Chromium	ug/L	-/-	ANR	ANR
Copper	ug/L	-/-	ANR	ANR
Lead	ug/L	-/-	ANR	ANR
Magnesium	mg/L	-/-	68	--
Mercury	mg/L	-/-	ANR	ANR
Nickel	ug/L	-/-	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR
Silver	ug/L	-/-	ANR	ANR
Thallium	ug/L	-/-	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR
ORGANICS				
Benzene	ug/L	-/-	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR
ADDITIONAL ANALYTES				
2,3,7,8-TCDD	ug/L	-/-	ANR	ANR

ARROYO SIMI (Frontier Park Receiving Water)

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

December 20 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/27/2007	
			RESULT	VALIDATION QUALIFIER
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR
4,4'-DDD	ug/L	0.0014/-	ND < 0.030	U
4,4'-DDE	ug/L	0.001/-	ND < 0.030	U
4,4'-DDT	ug/L	0.001/-	ND < 0.030	U
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR
Aroclor-1016	ug/L	0.0003/-	ND < 0.45	U
Aroclor-1221	ug/L	0.0003/-	ND < 0.25	U
Aroclor-1232	ug/L	0.0003/-	ND < 0.25	U
Aroclor-1242	ug/L	0.0003/-	ND < 0.25	U
Aroclor-1248	ug/L	0.0003/-	ND < 0.25	U
Aroclor-1254	ug/L	0.0003/-	ND < 0.25	U

ARROYO SIMI (Frontier Park Receiving Water)

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

December 20 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/27/2007	
			RESULT	VALIDATION QUALIFIER
Aroclor-1260	ug/L	0.0003/-	ND < 0.30	U
Benzdine	ug/L	-/-	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-/-	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR
Chlordane	ug/L	0.001/-	ND < 0.20	U
Chlorobenzene	ug/L	-/-	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR
Chlorpyrifos	ug/L	0.74/-	ND < 1.0	U
Chrysene	ug/L	-/-	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR
Diazinon	ug/L	0.91/-	ND < 0.25	U
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR
Dieldrin	ug/L	0.0002/-	ND < 0.030	U
Diethylphthalate	ug/L	-/-	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR

ARROYO SIMI (Frontier Park Receiving Water)

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

December 20 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/27/2007	
			RESULT	VALIDATION QUALIFIER
Fluorene	ug/L	-/-	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR
Toxaphene	ug/L	0.0003/-	ND < 1.5	U
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR

**OUTFALL 006 (FSDF-2)
BMP EFFECTIVENESS**

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

October 1 through December 31, 2007

		006 EFF-1 12/18/2007	006 EFF-2 12/18/2007	006 EFF-3 12/18/2007	006 EFF-4 12/18/2007	006 EFF-5 12/18/2007	006 EFF-6 12/18/2007	006 EFF-7 12/18/2007	006 EFF-8 12/19/2007	006 EFF-9 12/19/2007
ANALYTE	UNITS									
Density	g/cc	1.0*	0.99*	0.99*	0.99*	0.99*	0.99*	1.0*	0.99*	0.99*
Sediment	mg/L	44*	28*	16*	17*	16*	17*	16*	33*	39*
Suspended Solids Concentration	mg/L	44*	28*	16*	17*	16*	17*	14*	33*	38*

**OUTFALL 010 (Building 203)
BMP EFFECTIVENESS**

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

October 1 through December 31, 2007

		010 EFF-1 12/18/2007	010 EFF-2 12/18/2007	010 EFF-3 12/18/2007	010 EFF-4 12/18/2007	010 EFF-5 12/18/2007	010 EFF-6 12/18/2007	010 EFF-7 12/19/2007	010 EFF-8 12/19/2007
ANALYTE	UNITS								
Density	g/cc	0.99*	1.0*	0.99*	0.99*	0.99*	0.98*	1.0*	0.99*
Sediment	mg/L	24*	36*	ND <10*	ND <10*	ND <10*	ND <10*	ND <10*	ND <10*
Suspended Solids Concentration	mg/L	24*	36*	ND <10*	ND <10*	ND <10*	ND <10*	ND <10*	ND <10*

		010 EFF-9 12/19/2007	010 EFF-10 12/19/2007	010 EFF-11 12/19/2007	010 EFF-12 12/19/2007	010 EFF-13 12/19/2007	010 EFF-14 12/19/2007	010 EFF-15 12/19/2007	010 EFF-16 12/19/2007
ANALYTE	UNITS								
Density	g/cc	0.99*	0.99*	0.99*	0.99*	0.99*	1.0*	0.99*	0.99*
Sediment	mg/L	ND <10*	ND <10*	ND <10*	ND <10*	ND <10*	ND <10*	ND <10*	ND <10*
Suspended Solids Concentration	mg/L	ND <10*	ND <10*	ND <10*	ND <10*	ND <10*	ND <10*	ND <10*	ND <10*

		010 EFF-17 12/19/2007	010 EFF-18 12/19/2007	010 EFF-19 12/19/2007
ANALYTE	UNITS			
Density	g/cc	0.99*	0.99*	0.99*
Sediment	mg/L	ND <10*	ND <10*	ND <10*
Suspended Solids Concentration	mg/L	ND <10*	ND <10*	ND <10*

APPENDIX D

FOURTH QUARTER 2007
RADIOLOGICAL MONITORING DATA, OUTFALLS ?

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

Notes:

1. TCDD TEQs for the purpose of determining permit compliance are the sum of the products of the detected dioxin congener concentration multiplied by that congener's 1998 World Health Organization's (WHO) toxic equivalency factor (TEF). The resulting compliance TCDD TEQ does not include those congener concentrations that are reported as DNQ, as specified on (Page 46, Section D) of the NPDES Permit Effective April 28, 2006, and (Page 56, Section D) of the NPDES Permit Effective December 20, 2007.
2. For some sample dates, pH was determined with a field instrument to obtain a more representative result and was noted as such. These results were not validated.
3. The NPDES permit limits for mercury of 0.10 µg/L (Outfalls 011, 018 and 019) and 0.13 µg/L (Outfalls 3-10) are not achievable by the laboratory; therefore, the laboratory reporting limit of 0.20 µg/L was used to determine compliance.

4. The following assumptions and rationale were used to report the DMR Quantity or Loading results:

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

Where:

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

In Compliance with the NPDES Permit Effective April 28, 2006 (Page 46, Section D) and
the NPDES Permit Effective December 20, 2007 (Page 56, Section D), for Monthly
Average Discharge Values:

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

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

Symbols and Abbreviations:

The following symbols and abbreviations may occur on report tables:

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

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

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

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

- ^ analysis not completed due to hold time exceedence or insufficient sample volume
- + False positive – reported compound was not present. Not applicable.

OUTFALL 006 (FSDF-2)

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

October 1 through December 31, 2007

ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	12/7/2007			12/19/2007		
			RESULT	MDA	VALIDATION QUALIFIER	RESULT	MDA	VALIDATION QUALIFIER
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	ANR	ANR	ANR	ANR	ANR	ANR
Gross Beta	pCi/L	50/-	33.0 ± 3.0	3.40	J (H)	19.4 ± 2.1	2.1	J (H)
Strontium-90	pCi/L	8.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Tritium	pCi/L	20000/-	ANR	ANR	ANR	ANR	ANR	ANR

APPENDIX E

FOURTH QUARTER 2007 SUMMARY OF PERMIT LIMIT
EXCEEDENCES

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

Notes:

1. TCDD TEQs for the purpose of determining permit compliance are the sum of the products of the detected dioxin congener concentration multiplied by that congener's 1998 World Health Organization's (WHO) toxic equivalency factor (TEF). The resulting compliance TCDD TEQ does not include those congener concentrations that are reported as DNQ, as specified on (Page 46, Section D) of the NPDES Permit Effective April 28, 2006, and (Page 56, Section D) of the NPDES Permit Effective December 20, 2007.
2. For some sample dates, pH was determined with a field instrument to obtain a more representative result and was noted as such. These results were not validated.
3. The NPDES permit limits for mercury of 0.10 µg/L (Outfalls 011, 018 and 019) and 0.13 µg/L (Outfalls 3-10) are not achievable by the laboratory; therefore, the laboratory reporting limit of 0.20 µg/L was used to determine compliance.

4. The following assumptions and rationale were used to report the DMR Quantity or Loading results:

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

Where:

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

In Compliance with the NPDES Permit Effective April 28, 2006 (Page 46, Section D) and
the NPDES Permit Effective December 20, 2007 (Page 56, Section D), for Monthly
Average Discharge Values:

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

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

Symbols and Abbreviations:

The following symbols and abbreviations may occur on report tables:

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

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

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

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

- ^ analysis not completed due to hold time exceedence or insufficient sample volume
- + False positive – reported compound was not present. Not applicable.

SUMMARY OF EXCEEDANCES

**FOURTH QUARTER 2007
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

DAILY MAX PERMIT LIMIT EXCEEDANCES							
OUTFALL	LOCATION	SAMPLE DATE	ANALYTE	PERMIT LIMIT DAILY MAX	DAILY MAX RESULT	UNITS	VALIDATION QUALIFIER
Outfall 004	SRE	12/19/07	TCDD TEQ_NoDNQ	2.80E-08	3.97E-07	ug/L	*
Outfall 006	FSDf-2	12/07/07	Chloride	150	170	mg/L	--
Outfall 006	FSDf-2	12/19/07	Chloride	150	210	mg/L	--

DAILY MAX BENCHMARK EXCEEDANCES							
OUTFALL	LOCATION	SAMPLE DATE	ANALYTE	BENCHMARK LIMIT DAILY MAX	DAILY MAX RESULT	UNITS	VALIDATION QUALIFIER
Outfall 014	APTF	12/21/07	Chloride	150	810	mg/L	--
Outfall 014	APTF	12/21/07	Total Dissolved Solids	950	2000	mg/L	--

APPENDIX F

FOURTH QUARTER 2007 REASONABLE POTENTIAL ANALYSIS
(RPA) SUMMARY TABLES

**FOURTH QUARTER 2007 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 46, Section D of the NPDES Permit Effective April 28, 2006, and Page 56, Section D of the NPDES Permit Effective December 20, 2007.
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 2006 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 2007 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 2006 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 2006 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.
<i>Step 1 identifies all applicable water quality criteria.</i>	
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 2007 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)

<i>Step 2 defines the applicable data set.</i>	
Is Effluent Data Available	If there is available monitoring data that is not qualified and above DL, then YES. If not, then NO.
<i>Step 3 determines the maximum observed effluent concentration.</i>	
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.
<i>Step 4 compares the MEC to the lowest applicable water quality criteria.</i>	
MEC >= C	If the MEC is greater than or equal to the comparison concentration then YES, if not then NO.
Tier 1 – Need limit?	If the preceding cell was YES, then YES.

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 2006 NPDES Permit directed monitoring frequency
Units	Provides the data set's concentration units as referenced by 2006 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.

**FOURTH QUARTER 2007 REASONABLE POTENTIAL ANALYSIS SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Nonpriority Pollutant RPA Column Explanation (Continued)

Step 1, Determine Water Quality Objectives	The water quality objective is based on appropriate Basin Plan criteria.
BU – Beneficial 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 003-007, 009, 010)**

**FOURTH QUARTER 2007
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

						Step 1: Water Quality Criteria, Determine C					Step 2 Is Effluent Data Available	Step 3			Step 4 MEC >= C		
						CTR CRITERIA						Basin Plan Title 22 GWR	C = Lowest Criteria	Was Constituent Detected in Effluent Data		Are all Detection Limits > C	If DL > C, MEC = Min (DL)
						Freshwater		Human Health									
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH								
3-7, 9,10	001	Antimony	ug/L	All Data Qualified	0.60	NONE	NONE	14	4300	6	6	No	No	No	NA	No	
3-7, 9,10	002	Arsenic	ug/L	All Data Qualified	0.60	340	150	NONE	NONE	50	50	No	No	No	NA	No	
3-7, 9,10	003	Beryllium	ug/L	All Data Qualified	0.60	NONE	NONE	Narrative	Narrative	4	4	No	No	No	NA	No	
3-7, 9,10	004	Cadmium	ug/L	All Data Qualified	0.60	NONE	2.5	Narrative	Narrative	5	2.5	No	No	No	NA	No	
3-7, 9,10	005a	Chromium	ug/L	All Data Qualified	0.60	NONE	207.0	Narrative	Narrative	NONE	207.0	No	No	No	NA	No	
3-7, 9,10	005b	Chromium VI	ug/L	All Data Qualified	0.60	16.3	11.4	Narrative	Narrative	50	11.4	No	No	No	NA	No	
3-7, 9,10	006	Copper	ug/L	6.9	0.60	NONE	9.3	1300	NONE	NONE	9.3	Yes	Yes	NA	NA	No	
3-7, 9,10	007	Lead	ug/L	1.1	0.60	NONE	3.2	Narrative	Narrative	NONE	3.2	Yes	Yes	NA	NA	No	
3-7, 9,10	008	Mercury	ug/L	All Data Qualified	0.60	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	0.60	NONE	52.2	610	4600	100	52.2	No	No	No	NA	No	
3-7, 9,10	010	Selenium	ug/L	All Data Qualified	0.60	Reserved	5	Narrative	Narrative	50	5	No	No	No	NA	No	
3-7, 9,10	011	Silver	ug/L	All Data Qualified	0.60	NONE	none	NONE	NONE	NONE	4.06	No	No	No	NA	No	
3-7, 9,10	012	Thallium	ug/L	All Data Qualified	0.60	NONE	NONE	1.7	6.3	2	2	No	No	No	NA	No	
3-7, 9,10	013	Zinc	ug/L	All Data Qualified	0.60	NONE	119.8	none	NONE	NONE	119.81641527	No	No	No	NA	No	
3-7, 9,10	014	Total Cyanide	ug/L	All Data Qualified	0.60	22	5.2	700	220000	200	5.2	No	No	No	NA	No	
3-7, 9,10	015	Asbestos	Fibers/L	All Data Qualified	0.60	NONE	NONE	7000000	NONE	7x10^6	700000	No	No	No	NA	No	
3-7, 9,10	016	TCDD TEQ_NoDNQ	ug/L	3.97E-07	0.60	NONE	NONE	1.3e-008	1.4e-008	3x10^-5	1.40E-08	Yes	Yes	NA	NA	Yes	
3-7, 9,10	017	Acrolein	ug/L	All Data Qualified	0.60	NONE	NONE	320	780	NONE	780	No	No	No	NA	No	
3-7, 9,10	018	Acrylonitrile	ug/L	All Data Qualified	0.60	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	0.60	NONE	NONE	1.2	71	1	1	No	No	No	NA	No	
3-7, 9,10	020	Bromoform	ug/L	All Data Qualified	0.60	NONE	NONE	4.3	360	NONE	360	No	No	No	NA	No	
3-7, 9,10	021	Carbon Tetrachloride	ug/L	All Data Qualified	0.60	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	0.60	NONE	NONE	680	21000	NONE	21000	No	No	No	NA	No	

**Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS (OUTFALLS 003-007, 009, 010)**

**FOURTH QUARTER 2007
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

						Step 1: Water Quality Criteria, Determine C					Step 2 Is Effluent Data Available	Step 3			Step 4 MEC >= C	
						CTR CRITERIA				Basin Plan Title 22 GWR		C = Lowest Criteria	Was Constituent Detected in Effluent Data	Are all Detection Limits > C		If DL > C, MEC = Min (DL)
						Freshwater		Human Health								
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
3-7, 9,10	023	Dibromochloromethane	ug/L	All Data Qualified	0.60	NONE	NONE	0.401	34	NONE	34	No	No	No	NA	No
3-7, 9,10	024	Chloroethane	ug/L	All Data Qualified	0.60	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9,10	025	2-Chloroethylvinylether	ug/L	All Data Qualified	0.60	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9,10	026	Chloroform	ug/L	All Data Qualified	0.60	NONE	NONE	Reserved	Reserved	NONE	NONE	No	No	No	NA	No
3-7, 9,10	027	Bromodichloromethane	ug/L	All Data Qualified	0.60	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	0.60	NONE	NONE	NONE	NONE	5	5	No	No	No	NA	No
3-7, 9,10	029	1,2-Dichloroethane	ug/L	All Data Qualified	0.60	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	0.60	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	0.60	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	0.60	NONE	NONE	10	1700	0.5	0.5	No	No	No	NA	No
3-7, 9,10	033	Ethylbenzene	ug/L	All Data Qualified	0.60	NONE	NONE	3100	29000	0.7	0.7	No	No	No	NA	No
3-7, 9,10	034	Bromomethane	ug/L	All Data Qualified	0.60	NONE	NONE	48	4000	NONE	4000	No	No	No	NA	No
3-7, 9,10	035	Chloromethane	ug/L	All Data Qualified	0.60	NONE	NONE	Narrative	Narrative	NONE	NONE	No	No	No	NA	No
3-7, 9,10	036	Methylene chloride	ug/L	All Data Qualified	0.60	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	0.60	NONE	NONE	0.17	11	1	1	No	No	No	NA	No
3-7, 9,10	038	Tetrachloroethene	ug/L	All Data Qualified	0.60	NONE	NONE	0.8	8.85	5	5	No	No	No	NA	No
3-7, 9,10	039	Toluene	ug/L	All Data Qualified	0.60	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	0.60	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	0.60	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	0.60	NONE	NONE	0.6	42	5	5	No	No	No	NA	No
3-7, 9,10	043	Trichloroethene	ug/L	All Data Qualified	0.60	NONE	NONE	2.7	81	5	5	No	No	No	NA	No
3-7, 9,10	044	Vinyl chloride	ug/L	All Data Qualified	0.60	NONE	NONE	2	525	0.5	0.5	No	No	No	NA	No

**Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS (OUTFALLS 003-007, 009, 010)**

**FOURTH QUARTER 2007
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

						Step 1: Water Quality Criteria, Determine C					Step 2 Is Effluent Data Available	Step 3			Step 4 MEC >= C	
						CTR CRITERIA				Basin Plan Title 22 GWR		C = Lowest Criteria	Was Constituent Detected in Effluent Data	Are all Detection Limits > C		If DL > C, MEC = Min (DL)
						Freshwater		Human Health								
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
3-7, 9,10	045	2-chlorophenol	ug/L	All Data Qualified	0.60	NONE	NONE	120	400	NONE	400	No	No	No	NA	No
3-7, 9,10	046	2,4-Dichlorophenol	ug/L	All Data Qualified	0.60	NONE	NONE	93	790	NONE	790	No	No	No	NA	No
3-7, 9,10	047	2,4-dimethylphenol	ug/L	All Data Qualified	0.60	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	0.60	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	0.60	NONE	NONE	70	14000	NONE	14000	No	No	No	NA	No
3-7, 9,10	050	2-nitrophenol	ug/L	All Data Qualified	0.60	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9,10	051	4-nitrophenol	ug/L	All Data Qualified	0.60	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	0.60	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9,10	053	Pentachlorophenol	ug/L	All Data Qualified	0.60	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	0.60	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	0.60	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	0.60	NONE	NONE	1200	2700	NONE	2700	No	No	No	NA	No
3-7, 9,10	057	Acenaphthylene	ug/L	All Data Qualified	0.60	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9,10	058	Anthracene	ug/L	All Data Qualified	0.60	NONE	NONE	9600	110000	NONE	110000	No	No	No	NA	No
3-7, 9,10	059	Benzidine	ug/L	All Data Qualified	0.60	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	0.60	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	0.60	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	0.60	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	0.60	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9,10	064	Benzo(k)Fluoranthene	ug/L	All Data Qualified	0.60	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	0.60	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	0.60	NONE	NONE	0.031	1.4	NONE	1.4	No	No	No	NA	No

**Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS (OUTFALLS 003-007, 009, 010)**

**FOURTH QUARTER 2007
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

						Step 1: Water Quality Criteria, Determine C					Step 2 Is Effluent Data Available	Step 3			Step 4 MEC >= C	
						CTR CRITERIA				Basin Plan Title 22 GWR		C = Lowest Criteria	Was Constituent Detected in Effluent Data	Are all Detection Limits > C		If DL > C, MEC = Min (DL)
						Freshwater		Human Health								
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
3-7, 9,10	067	Bis(2-Chloroisopropyl) Ether	ug/L	All Data Qualified	0.60	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	0.60	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	0.60	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9,10	070	Butylbenzylphthalate	ug/L	All Data Qualified	0.60	NONE	NONE	3000	5200	NONE	5200	No	No	No	NA	No
3-7, 9,10	071	2-Chloronaphthalene	ug/L	All Data Qualified	0.60	NONE	NONE	1700	4300	NONE	4300	No	No	No	NA	No
3-7, 9,10	072	4-Chlorophenylphenylether	ug/L	All Data Qualified	0.60	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9,10	073	Chrysene	ug/L	All Data Qualified	0.60	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	0.60	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	0.60	NONE	NONE	2700	17000	600	600	No	No	No	NA	No
3-7, 9,10	076	1,3-Dichlorobenzene	ug/L	All Data Qualified	0.60	NONE	NONE	400	2600	NONE	2600	No	No	No	NA	No
3-7, 9,10	077	1,4-Dichlorobenzene	ug/L	All Data Qualified	0.60	NONE	NONE	400	2600	5	5	No	No	No	NA	No
3-7, 9,10	078	3,3'-Dichlorobenzidine	ug/L	All Data Qualified	0.60	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	0.60	NONE	NONE	23000	120000	NONE	120000	No	No	No	NA	No
3-7, 9,10	080	Dimethylphthalate	ug/L	All Data Qualified	0.60	NONE	NONE	313000	2900000	NONE	2900000	No	No	No	NA	No
3-7, 9,10	081	Di-n-butylphthalate	ug/L	All Data Qualified	0.60	NONE	NONE	2700	12000	NONE	12000	No	No	No	NA	No
3-7, 9,10	082	2,4-Dinitrotoluene	ug/L	All Data Qualified	0.60	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	0.60	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9,10	084	Di-n-octylphthalate	ug/L	All Data Qualified	0.60	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9,10	085	1,2-Diphenylhydrazine	ug/L	All Data Qualified	0.60	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	0.60	NONE	NONE	300	370	NONE	370	No	No	No	NA	No
3-7, 9,10	087	Fluorene	ug/L	All Data Qualified	0.60	NONE	NONE	1300	14000	NONE	14000	No	No	No	NA	No
3-7, 9,10	088	Hexachlorobenzene	ug/L	All Data Qualified	0.60	NONE	NONE	0.00075	0.00077	NONE	0.00077	No	No	No	NA	No

**Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS (OUTFALLS 003-007, 009, 010)**

**FOURTH QUARTER 2007
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

						Step 1: Water Quality Criteria, Determine C					Step 2 Is Effluent Data Available	Step 3			Step 4 MEC >= C	
						CTR CRITERIA				Basin Plan Title 22 GWR		C = Lowest Criteria	Was Constituent Detected in Effluent Data	Are all Detection Limits > C		If DL > C, MEC = Min (DL)
						Freshwater		Human Health								
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
3-7, 9,10	089	Hexachlorobutadiene	ug/L	All Data Qualified	0.60	NONE	NONE	0.44	50	NONE	50	No	No	No	NA	No
3-7, 9,10	090	Hexachlorocyclopentadiene	ug/L	All Data Qualified	0.60	NONE	NONE	240	17000	NONE	17000	No	No	No	NA	No
3-7, 9,10	091	Hexachloroethane	ug/L	All Data Qualified	0.60	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	0.60	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	0.60	NONE	NONE	8.4	600	NONE	600	No	No	No	NA	No
3-7, 9,10	094	Naphthalene	ug/L	All Data Qualified	0.60	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9,10	095	Nitrobenzene	ug/L	All Data Qualified	0.60	NONE	NONE	17	1900	NONE	1900	No	No	No	NA	No
3-7, 9,10	096	N-Nitrosodimethylamine	ug/L	All Data Qualified	0.60	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	0.60	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	0.60	NONE	NONE	5	16	NONE	16	No	No	No	NA	No
3-7, 9,10	099	Phenanthrene	ug/L	All Data Qualified	0.60	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9,10	100	Pyrene	ug/L	All Data Qualified	0.60	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	0.60	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9,10	102	Aldrin	ug/L	All Data Qualified	0.60	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	0.60	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	0.60	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	0.60	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	0.60	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
3-7, 9,10	107	Chlordane	ug/L	All Data Qualified	0.60	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	0.60	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	0.60	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	0.60	NONE	NONE	0.00083	0.00084	NONE	0.00084	No	No	No	NA	No

**Table F1
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS (OUTFALLS 003-007, 009, 010)**

**FOURTH QUARTER 2007
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

Outfall	CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C				Basin Plan Title 22 GWR	C = Lowest Criteria	Step 2 Is Effluent Data Available	Step 3			Step 4 MEC >= C
						CTR CRITERIA		HH W&O (Not App)	HH O = HH				Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)	
						Freshwater CMC = Acute	Human Health CCC = Chronic									
3-7, 9,10	111	Dieldrin	ug/L	All Data Qualified	0.60	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	0.60	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	0.60	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	0.60	NONE	NONE	110	240	NONE	240	No	No	No	NA	No
3-7, 9,10	115	Endrin	ug/L	All Data Qualified	0.60	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	0.60	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	0.60	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	0.60	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	0.60	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	0.60	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	0.60	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	0.60	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	0.60	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	0.60	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	0.60	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	0.60	0.73	0.0002	0.0073	0.00075	NONE	0.0002	No	No	No	NA	No

Table F2
REASONABLE POTENTIAL ANALYSIS FOR SECONDARY POLLUTANTS (OUTFALLS 003-007, 009 and 010)

**FOURTH QUARTER 2007
 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
3-7, 9,10	Boron	Annual	mg/L	0	All Data Qualified	0.60	All Data Qualified	All Qualified Data	0	0	NA	1	BU
3-7, 9,10	Chloride	Discharge	mg/L	6	210	0.60	3.82	801.90	0	0	801.90	150	BU
3-7, 9,10	Fluoride	Annual	mg/L	0	All Data Qualified	0.60	All Data Qualified	All Qualified Data	0	0	NA	1.6	BU
3-7, 9,10	Nitrate + Nitrite as Nitrogen (N)	Discharge	mg/L	5	2.6	0.60	4.19	10.90	0	0	10.90	8	BU/TMDL
3-7, 9,10	Oil & Grease	Discharge	mg/L	3	Available Data <DL	0.60	5.62	Available Data < DL	0	0	NA	10	BU
3-7, 9,10	Sulfate	Discharge	mg/L	6	60	0.60	3.82	229.11	0	0	229.11	300	BU
3-7, 9,10	Total Dissolved Solids	Discharge	mg/L	6	670	0.60	3.82	2558.44	0	0	2558.44	150	BU
3-7, 9,10	Total Suspended Solids	Annual	mg/L	4	26	0.60	4.74	123.14	0	0	123.14	45	BU

**Table F3
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS (OUTFALLS 012-014)**

**FOURTH QUARTER 2007
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

						Step 1: Water Quality Criteria, Determine C						Step 2 Is Effluent Data Available	Step 3			Step 4 MEC >= C		
						CTR CRITERIA							Basin Plan Title 22 GWR	C = Lowest Criteria	Was Constituent Detected in Effluent Data		Are all Detection Limits > C	If DL > C, MEC = Min (DL)
						Freshwater		Human Health										
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH									
12_14	001	Antimony	ug/L	All Data Qualified	0.60	NONE	NONE	14	4300	6	6	No	No	No	NA	No		
12_14	002	Arsenic	ug/L	All Data Qualified	0.60	340	150	NONE	NONE	50	50	No	No	No	NA	No		
12_14	003	Beryllium	ug/L	All Data Qualified	0.60	NONE	NONE	Narrative	Narrative	4	4	No	No	No	NA	No		
12_14	004	Cadmium	ug/L	All Data Qualified	0.60	NONE	2.5	Narrative	Narrative	5	2.5	No	No	No	NA	No		
12_14	005a	Chromium	ug/L	All Data Qualified	0.60	NONE	207.0	Narrative	Narrative	NONE	207.0	No	No	No	NA	No		
12_14	005b	Chromium VI	ug/L	All Data Qualified	0.60	16.3	11.4	Narrative	Narrative	50	11.4	No	No	No	NA	No		
12_14	006	Copper	ug/L	All Data Qualified	0.60	NONE	9.3	1300	NONE	NONE	9.3	No	No	No	NA	No		
12_14	007	Lead	ug/L	All Data Qualified	0.60	NONE	3.2	Narrative	Narrative	NONE	3.2	No	No	No	NA	No		
12_14	008	Mercury	ug/L	All Data Qualified	0.60	Reserved	Reserved	0.05	0.051	2	0.1	No	No	No	NA	No		
12_14	009	Nickel	ug/L	All Data Qualified	0.60	NONE	52.2	610	4600	100	52.2	No	No	No	NA	No		
12_14	010	Selenium	ug/L	All Data Qualified	0.60	Reserved	5	Narrative	Narrative	50	5	No	No	No	NA	No		
12_14	011	Silver	ug/L	All Data Qualified	0.60	NONE	none	NONE	NONE	NONE	4.06	No	No	No	NA	No		
12_14	012	Thallium	ug/L	All Data Qualified	0.60	NONE	NONE	1.7	6.3	2	2	No	No	No	NA	No		
12_14	013	Zinc	ug/L	All Data Qualified	0.60	NONE	119.8	none	NONE	NONE	119.81641527	No	No	No	NA	No		
12_14	014	Total Cyanide	ug/L	All Data Qualified	0.60	22	5.2	700	220000	200	5.2	No	No	No	NA	No		
12_14	015	Asbestos	Fibers/L	All Data Qualified	0.60	NONE	NONE	7000000	NONE	7x10^6	700000	No	No	No	NA	No		
12_14	016	TCDD TEQ_NoDNQ	ug/L	1.07E-08	0.60	NONE	NONE	1.3e-008	1.4e-008	3x10^-5	1.40E-08	Yes	Yes	NA	NA	No		
12_14	017	Acrolein	ug/L	All Data Qualified	0.60	NONE	NONE	320	780	NONE	780	No	No	No	NA	No		
12_14	018	Acrylonitrile	ug/L	All Data Qualified	0.60	NONE	NONE	0.059	0.66	NONE	0.66	No	No	No	NA	No		
12_14	019	Benzene	ug/L	All Data Qualified	0.60	NONE	NONE	1.2	71	1	1	No	No	No	NA	No		
12_14	020	Bromoform	ug/L	All Data Qualified	0.60	NONE	NONE	4.3	360	NONE	360	No	No	No	NA	No		
12_14	021	Carbon Tetrachloride	ug/L	All Data Qualified	0.60	NONE	NONE	0.25	4.4	600	4.4	No	No	No	NA	No		

**Table F3
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS (OUTFALLS 012-014)**

**FOURTH QUARTER 2007
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

						Step 1: Water Quality Criteria, Determine C						Step 2 Is Effluent Data Available	Step 3			Step 4 MEC >= C
						CTR CRITERIA				Basin Plan Title 22 GWR	C = Lowest Criteria		Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)	
						Freshwater		Human Health								
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
12_14	022	Chlorobenzene	ug/L	All Data Qualified	0.60	NONE	NONE	680	21000	NONE	21000	No	No	No	NA	No
12_14	023	Dibromochloromethane	ug/L	All Data Qualified	0.60	NONE	NONE	0.401	34	NONE	34	No	No	No	NA	No
12_14	024	Chloroethane	ug/L	All Data Qualified	0.60	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
12_14	025	2-Chloroethylvinylether	ug/L	All Data Qualified	0.60	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
12_14	026	Chloroform	ug/L	All Data Qualified	0.60	NONE	NONE	Reserved	Reserved	NONE	NONE	No	No	No	NA	No
12_14	027	Bromodichloromethane	ug/L	All Data Qualified	0.60	NONE	NONE	0.56	46	NONE	46	No	No	No	NA	No
12_14	028	1,1-Dichloroethane	ug/L	All Data Qualified	0.60	NONE	NONE	NONE	NONE	5	5	No	No	No	NA	No
12_14	029	1,2-Dichloroethane	ug/L	All Data Qualified	0.60	NONE	NONE	0.38	99	0.5	0.5	No	No	No	NA	No
12_14	030	1,1-Dichloroethene	ug/L	All Data Qualified	0.60	NONE	NONE	0.057	3.2	6	3.2	No	No	No	NA	No
12_14	031	1,2-Dichloropropane	ug/L	All Data Qualified	0.60	NONE	NONE	0.52	39	5	5	No	No	No	NA	No
12_14	032	1,3-Dichloropropene (Total)	ug/L	All Data Qualified	0.60	NONE	NONE	10	1700	0.5	0.5	No	No	No	NA	No
12_14	033	Ethylbenzene	ug/L	All Data Qualified	0.60	NONE	NONE	3100	29000	0.7	0.7	No	No	No	NA	No
12_14	034	Bromomethane	ug/L	All Data Qualified	0.60	NONE	NONE	48	4000	NONE	4000	No	No	No	NA	No
12_14	035	Chloromethane	ug/L	All Data Qualified	0.60	NONE	NONE	Narrative	Narrative	NONE	NONE	No	No	No	NA	No
12_14	036	Methylene chloride	ug/L	All Data Qualified	0.60	NONE	NONE	4.7	1600	NONE	1600	No	No	No	NA	No
12_14	037	1,1,2,2-Tetrachloroethane	ug/L	All Data Qualified	0.60	NONE	NONE	0.17	11	1	1	No	No	No	NA	No
12_14	038	Tetrachloroethene	ug/L	All Data Qualified	0.60	NONE	NONE	0.8	8.85	5	5	No	No	No	NA	No
12_14	039	Toluene	ug/L	All Data Qualified	0.60	NONE	NONE	6800	200000	150	150	No	No	No	NA	No
12_14	040	trans-1,2-Dichloroethene	ug/L	All Data Qualified	0.60	NONE	NONE	700	140000	10	10	No	No	No	NA	No
12_14	041	1,1,1-Trichloroethane	ug/L	All Data Qualified	0.60	NONE	NONE	Narrative	Narrative	200	200	No	No	No	NA	No
12_14	042	1,1,2-trichloroethane	ug/L	All Data Qualified	0.60	NONE	NONE	0.6	42	5	5	No	No	No	NA	No
12_14	043	Trichloroethene	ug/L	All Data Qualified	0.60	NONE	NONE	2.7	81	5	5	No	No	No	NA	No

**Table F3
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS (OUTFALLS 012-014)**

**FOURTH QUARTER 2007
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				Basin Plan Title 22 GWR		C = Lowest Criteria	Is Effluent Data Available	Was Constituent Detected in Effluent Data		Are all Detection Limits > C
						Freshwater		Human Health								
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
12_14	044	Vinyl chloride	ug/L	All Data Qualified	0.60	NONE	NONE	2	525	0.5	0.5	No	No	No	NA	No
12_14	045	2-chlorophenol	ug/L	Available Data <DL	0.60	NONE	NONE	120	400	NONE	400	Yes	No	No	NA	No
12_14	046	2,4-Dichlorophenol	ug/L	Available Data <DL	0.60	NONE	NONE	93	790	NONE	790	Yes	No	No	NA	No
12_14	047	2,4-dimethylphenol	ug/L	Available Data <DL	0.60	NONE	NONE	540	2300	NONE	2300	Yes	No	No	NA	No
12_14	048	2-Methyl-4,6-dinitrophenol	ug/L	Available Data <DL	0.60	NONE	NONE	13.4	765	NONE	765	Yes	No	No	NA	No
12_14	049	2,4-dinitrophenol	ug/L	Available Data <DL	0.60	NONE	NONE	70	14000	NONE	14000	Yes	No	No	NA	No
12_14	050	2-nitrophenol	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
12_14	051	4-nitrophenol	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
12_14	052	4-Chloro-3-methylphenol	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
12_14	053	Pentachlorophenol	ug/L	Available Data <DL	0.60	pH dependent	pH dependent	0.28	8.2	1	1	Yes	No	Yes	1	No
12_14	054	Phenol	ug/L	Available Data <DL	0.60	NONE	NONE	21000	4600000	NONE	4600000	Yes	No	No	NA	No
12_14	055	2,4,6-Trichlorophenol	ug/L	Available Data <DL	0.60	NONE	NONE	2.1	6.5	NONE	6.5	Yes	No	No	NA	No
12_14	056	Acenaphthene	ug/L	Available Data <DL	0.60	NONE	NONE	1200	2700	NONE	2700	Yes	No	No	NA	No
12_14	057	Acenaphthylene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
12_14	058	Anthracene	ug/L	Available Data <DL	0.60	NONE	NONE	9600	110000	NONE	110000	Yes	No	No	NA	No
12_14	059	Benzidine	ug/L	Available Data <DL	0.60	NONE	NONE	0.00012	0.00054	NONE	0.00054	Yes	No	Yes	0.00054	No
12_14	060	Benzo(a)Anthracene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
12_14	061	Benzo(a)Pyrene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
12_14	062	Benzo(b)Fluoranthene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
12_14	063	Benzo(g,h,i)Perylene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
12_14	064	Benzo(k)Fluoranthene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
12_14	065	Bis(2-Chloroethoxy) methane	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No

**Table F3
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS (OUTFALLS 012-014)**

**FOURTH QUARTER 2007
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				Basin Plan Title 22 GWR		C = Lowest Criteria	Is Effluent Data Available	Was Constituent Detected in Effluent Data		Are all Detection Limits > C
						Freshwater	Human Health									
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
12_14	066	bis (2-Chloroethyl) ether	ug/L	Available Data <DL	0.60	NONE	NONE	0.031	1.4	NONE	1.4	Yes	No	Yes	1.4	No
12_14	067	Bis(2-Chloroisopropyl) Ether	ug/L	Available Data <DL	0.60	NONE	NONE	1400	170000	NONE	170000	Yes	No	No	NA	No
12_14	068	bis (2-ethylhexyl) Phthalate	ug/L	Available Data <DL	0.60	NONE	NONE	1.8	5.9	4	4	Yes	No	No	NA	No
12_14	069	4-Bromophenylphenylether	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
12_14	070	Butylbenzylphthalate	ug/L	Available Data <DL	0.60	NONE	NONE	3000	5200	NONE	5200	Yes	No	No	NA	No
12_14	071	2-Chloronaphthalene	ug/L	Available Data <DL	0.60	NONE	NONE	1700	4300	NONE	4300	Yes	No	No	NA	No
12_14	072	4-Chlorophenylphenylether	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
12_14	073	Chrysene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
12_14	074	Dibenzo(a,h)Anthracene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
12_14	075	1,2-Dichlorobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	2700	17000	600	600	Yes	No	No	NA	No
12_14	076	1,3-Dichlorobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	400	2600	NONE	2600	Yes	No	No	NA	No
12_14	077	1,4-Dichlorobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	400	2600	5	5	Yes	No	No	NA	No
12_14	078	3,3'-Dichlorobenzidine	ug/L	Available Data <DL	0.60	NONE	NONE	0.04	0.077	NONE	0.077	Yes	No	Yes	0.077	No
12_14	079	Diethylphthalate	ug/L	Available Data <DL	0.60	NONE	NONE	23000	120000	NONE	120000	Yes	No	No	NA	No
12_14	080	Dimethylphthalate	ug/L	Available Data <DL	0.60	NONE	NONE	313000	2900000	NONE	2900000	Yes	No	No	NA	No
12_14	081	Di-n-butylphthalate	ug/L	Available Data <DL	0.60	NONE	NONE	2700	12000	NONE	12000	Yes	No	No	NA	No
12_14	082	2,4-Dinitrotoluene	ug/L	Available Data <DL	0.60	NONE	NONE	0.11	9.1	NONE	9.1	Yes	No	No	NA	No
12_14	083	2,6-Dinitrotoluene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
12_14	084	Di-n-octylphthalate	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
12_14	085	1,2-Diphenylhydrazine	ug/L	All Data Qualified	0.60	NONE	NONE	0.04	0.54	NONE	0.54	No	No	No	NA	No
12_14	086	Fluoranthene	ug/L	Available Data <DL	0.60	NONE	NONE	300	370	NONE	370	Yes	No	No	NA	No
12_14	087	Fluorene	ug/L	Available Data <DL	0.60	NONE	NONE	1300	14000	NONE	14000	Yes	No	No	NA	No

**Table F3
REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS (OUTFALLS 012-014)**

**FOURTH QUARTER 2007
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SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

						Step 1: Water Quality Criteria, Determine C					Step 2	Step 3			Step 4	
						CTR CRITERIA				Basin Plan Title 22 GWR		C = Lowest Criteria	Is Effluent Data Available	Was Constituent Detected in Effluent Data		Are all Detection Limits > C
						Freshwater	Human Health									
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
12_14	088	Hexachlorobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	0.00075	0.00077	NONE	0.00077	Yes	No	Yes	0.00077	No
12_14	089	Hexachlorobutadiene	ug/L	Available Data <DL	0.60	NONE	NONE	0.44	50	NONE	50	Yes	No	No	NA	No
12_14	090	Hexachlorocyclopentadiene	ug/L	Available Data <DL	0.60	NONE	NONE	240	17000	NONE	17000	Yes	No	No	NA	No
12_14	091	Hexachloroethane	ug/L	Available Data <DL	0.60	NONE	NONE	1.9	8.9	NONE	8.9	Yes	No	No	NA	No
12_14	092	Indeno(1,2,3-cd)Pyrene	ug/L	Available Data <DL	0.60	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.049	No
12_14	093	Isophorone	ug/L	Available Data <DL	0.60	NONE	NONE	8.4	600	NONE	600	Yes	No	No	NA	No
12_14	094	Naphthalene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
12_14	095	Nitrobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	17	1900	NONE	1900	Yes	No	No	NA	No
12_14	096	N-Nitrosodimethylamine	ug/L	Available Data <DL	0.60	NONE	NONE	0.00069	8.1	NONE	8.1	Yes	No	No	NA	No
12_14	097	n-Nitroso-di-n-propylamine	ug/L	Available Data <DL	0.60	NONE	NONE	0.005	1.4	NONE	1.4	Yes	No	Yes	1.4	No
12_14	098	N-Nitrosodiphenylamine	ug/L	Available Data <DL	0.60	NONE	NONE	5	16	NONE	16	Yes	No	No	NA	No
12_14	099	Phenanthrene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
12_14	100	Pyrene	ug/L	Available Data <DL	0.60	NONE	NONE	960	11000	NONE	11000	Yes	No	No	NA	No
12_14	101	1,2,4-Trichlorobenzene	ug/L	Available Data <DL	0.60	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	No	NA	No
12_14	102	Aldrin	ug/L	All Data Qualified	0.60	3	NONE	0.00013	0.00014	NONE	0.00014	No	No	No	NA	No
12_14	103	alpha-BHC	ug/L	All Data Qualified	0.60	NONE	NONE	0.0039	0.013	NONE	0.013	No	No	No	NA	No
12_14	104	beta-BHC	ug/L	All Data Qualified	0.60	NONE	NONE	0.014	0.046	NONE	0.046	No	No	No	NA	No
12_14	105	Lindane (gamma-BHC)	ug/L	All Data Qualified	0.60	0.95	NONE	0.019	0.063	0.2	0.063	No	No	No	NA	No
12_14	106	delta-BHC	ug/L	All Data Qualified	0.60	NONE	NONE	NONE	NONE	NONE	NONE	No	No	No	NA	No
12_14	107	Chlordane	ug/L	All Data Qualified	0.60	2.4	0.0043	0.00057	0.00059	NONE	0.00059	No	No	No	NA	No
12_14	108	4,4'-DDT	ug/L	All Data Qualified	0.60	1.1	0.001	0.00059	0.00059	NONE	0.00059	No	No	No	NA	No
12_14	109	4,4'-DDE	ug/L	All Data Qualified	0.60	NONE	NONE	0.00059	0.00059	NONE	0.00059	No	No	No	NA	No

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REASONABLE POTENTIAL ANALYSIS FOR PRIORITY POLLUTANTS (OUTFALLS 012-014)**

**FOURTH QUARTER 2007
THE BOEING COMPANY
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NPDES PERMIT CA0001309**

						Step 1: Water Quality Criteria, Determine C					Step 2 Is Effluent Data Available	Step 3			Step 4 MEC >= C	
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						Freshwater	Human Health									
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
12_14	110	4,4'-DDD	ug/L	All Data Qualified	0.60	NONE	NONE	0.00083	0.00084	NONE	0.00084	No	No	No	NA	No
12_14	111	Dieldrin	ug/L	All Data Qualified	0.60	0.24	0.056	0.00014	0.00014	NONE	0.00014	No	No	No	NA	No
12_14	112	Endosulfan I	ug/L	All Data Qualified	0.60	0.22	0.056	110	240	NONE	0.056	No	No	No	NA	No
12_14	113	Endosulfan II	ug/L	All Data Qualified	0.60	0.22	0.056	110	240	NONE	0.056	No	No	No	NA	No
12_14	114	Endosulfan Sulfate	ug/L	All Data Qualified	0.60	NONE	NONE	110	240	NONE	240	No	No	No	NA	No
12_14	115	Endrin	ug/L	All Data Qualified	0.60	0.086	0.036	0.76	0.81	NONE	0.036	No	No	No	NA	No
12_14	116	Endrin Aldehyde	ug/L	All Data Qualified	0.60	NONE	NONE	0.76	0.81	NONE	0.81	No	No	No	NA	No
12_14	117	Heptachlor	ug/L	All Data Qualified	0.60	0.52	0.0038	0.00021	0.00021	NONE	0.00021	No	No	No	NA	No
12_14	118	Heptachlor Epoxide	ug/L	All Data Qualified	0.60	0.52	0.0038	0.0001	0.00011	NONE	0.00011	No	No	No	NA	No
12_14	119	Aroclor-1016	ug/L	All Data Qualified	0.60	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
12_14	120	Aroclor-1221	ug/L	All Data Qualified	0.60	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
12_14	121	Aroclor-1232	ug/L	All Data Qualified	0.60	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
12_14	122	Aroclor-1242	ug/L	All Data Qualified	0.60	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
12_14	123	Aroclor-1248	ug/L	All Data Qualified	0.60	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
12_14	124	Aroclor-1254	ug/L	All Data Qualified	0.60	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
12_14	125	Aroclor-1260	ug/L	All Data Qualified	0.60	NONE	0.014	0.00017	0.00017	NONE	0.00017	No	No	No	NA	No
12_14	126	Toxaphene	ug/L	All Data Qualified	0.60	0.73	0.0002	0.0073	0.00075	NONE	0.0002	No	No	No	NA	No