



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

Certified Mail

September 30, 2010
In reply refer to SHEA-110410

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

Attention: Mr. Peter Raftery

Subject: September 30, 2010 Quarterly Progress Report for
June 17, 2010 through September 15, 2010 Activity
Final Interim Source Removal Action (ISRA) Work Plan submitted in response
to California Water Code Section 13304 Order (NPDES NO. CA0001309,
CI NO. 6027, SCP NO. 1111, SITE ID NO. 2040109)

Dear Mr. Raftery:

In the Final ISRA Work Plan, Boeing and NASA proposed to provide the Los Angeles Regional Water Quality Control Board (RWQCB) with quarterly progress reports until construction field work is complete (target spring 2012). This Quarterly Progress Report is submitted for the third quarter 2010. This report summarizes ISRA activities performed during the period of June 17, 2010 through September 15, 2010.

ISRA activities at the Santa Susana Field Laboratory (SSFL) are being performed pursuant to a California Water Code Section 13304 Cleanup and Abatement Order (CAO) issued by RWQCB dated December 3, 2008. The CAO was issued by the RWQCB in order to achieve compliance with the Waste Discharge Requirements (WDR) for Outfalls 008 and 009 contained in Order No. R4 2004-0111, as amended by Orders No. R4-2006-0008, R4 2006 0036, and R4 2007-0055. The Final ISRA Work Plan was prepared and submitted to the RWQCB on May 1, 2009.

Per the RWQCB's request, Boeing provides monthly progress reports on the ISRA activities to the RWQCB Executive Officer. This quarterly progress report is a compilation of the monthly progress reports for the period of June 17, 2010 through September 15, 2010, which are attached to provide the complete list of ISRA activities performed during the period covered by this quarterly report.

The ISRA Quarterly Reports are posted on the ISRA website at:

http://www.boeing.com/aboutus/environment/santa_susana/isra.html



Mr. P. Raftery, RWQCB (SHEA-110410)
September 30, 2010
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If you have any questions or require anything further, please contact Lori Blair at 818-466-8741.

Sincerely,

A handwritten signature in black ink that reads "Tom Gallacher". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

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

LNB:bjc

Attachments:

1. July 2010 Monthly Progress Report (June 17 – July 26, 2010)
2. August 2010 Monthly Progress Report (July 27 – August 12, 2010)
3. September 2010 Monthly Progress Report (August 13 – September 15, 2010)

cc: Ms. Cassandra Owens, RWQCB
Mr. Allen Elliott, NASA
Mr. Mark Malinowski, DTSC
Mr. Buck King, DTSC



The Boeing Company

5800 Woolsey Canyon Road
Canoga Park, CA 91304-1148

Date: 7/28/2010

No.: SHEA-110202

To: Sam Unger
Interim Executive Office
LA Regional Water Quality
Control Board

From: Tom Gallacher
Director, Santa Susana Field Lab
Environment, Health & Safety

Subject: July 2010 Monthly Progress Report for June 17, 2010 - July 26, 2010 Activity
California Water Code Section 13304 Interim Source Removal Action Order (ISRA)
(NPDES No. CA0001309, CI No. 6027, SCP NO. 1111, Site ID No. 2040109)

Per the Regional Water Board's request, Boeing, on behalf of Boeing and NASA, is providing the following Monthly Progress Report on the Interim Source Removal Action (ISRA) activities for the period of June 17, 2010 to July 26, 2010. In addition, a 30 day Look-Ahead is also provided.

Weekly team meetings have been held to track the ISRA activities since April 16, 2009. During this reporting period, the meeting participants have consisted of RWQCB staff, DTSC staff, Ventura County staff, Surface Water Expert Panel Members, Boeing, and NASA. For the period from mid-June to mid-July, the primary activities have been completing the contractor selection process for 2010 implementation activities, conducting preparatory activities for excavation at 2010 ISRA Areas (final staking, utilities clearance, BMP installation, and the pre-field biological survey, pre-field site walk). The Army Corps of Engineers (ACOE) provided approval of the Section 404 permit, the RWQCB provided approval of the 2010 ISRA Work Plan Addendum, and Ventura County provided approval of the 2010 grading permit application. Field work began at the 2010 ISRA areas (Boeing property) on July 20, 2010. Routine inspections of the field work are being conducted by Ventura County and RWQCB. DTSC will be on site when possible. In addition, inspections of BMPs at Phase I (2009) Outfall 008 and 009 ISRA areas were conducted biweekly during the non-rainy season, per the ISRA SWPPP.

Completed Tasks – June 17, 2010 to July 26, 2010

- June 17, 2010 – Collected additional waste characterization samples for 2010 ISRA areas on Boeing property.
- June 23, 2010, July 7, 2010 and July 20, 2010– Inspected BMPs at Phase I (2009) ISRA areas during the non-rainy season (biweekly), per the SWPPP.
- June 21, 2010 – ACOE provided approval for Section 404 permit package.
- June 28, 2010 – July 16, 2010 – Conducted final staking of 2010 ISRA areas (Boeing property), conducted utilities survey, and installed BMPs.

- June 30, 2010 – Submitted Annual Certification of Compliance with 2009 ISRA SWPPP to RWQCB.
- June 30, 2010 – Prepared Q2 2010 Quarterly Progress Report, including an appendix presenting Performance Monitoring sampling results from the 2009/2010 rainy season, and submitted to RWQCB. The report is also posted on the ISRA website at:
http://www.boeing.com/aboutus/environment/santa_susana/isra.html
- June 30, 2010 – RWQCB reviewed the RTC on the 2010 ISRA Work Plan Addendum and provided approval for the 2010 ISRA Work Plan Addendum.
- July 1, 2010 – Conducted pre-field biological survey at 2010 ISRA areas (Boeing property).
- July 2, 2010 – Finalized the Biological Report for 2010 ISRA areas and submitted to RWQCB.
- July 2-8, 2010 – Boeing/NASA selected contractor for 2010 ISRA activities and conducted pre-construction meeting.
- July 8, 2010 – Conduct final pre-field site walk of 2010 ISRA areas (Boeing property). RWQCB and Ventura County participated in the site walk.
- July 8, 2010 – Notified community of implementation schedule
- July 12, 2010 – NASA finalized the 2010 ISRA excavation areas based upon data gap sample results.
- July 13, 2010 – Ventura County completed review of the 2010 Grading Permit application and issued permit.
- July 14, 2010 – Reviewed waste characterization sampling data with RWQCB.
- July 20, 2010 – Began planned excavation activities at 2010 ISRA areas (Boeing property).
- July 20, 2010 – Excavation activities inspected by Ventura County
- July 21, 2010 – Prepared confirmation sampling plan for CTLI-1A and CTLI-1B ISRA areas and reviewed with RWQCB, DTSC, Ventura County, NASA and the Surface Water Expert Panel.
- July 22, 2010 – Excavation activities inspected by RWQCB



- July 26, 2010 – Waste Characterization data for the Boeing 2010 ISRA areas posted on the ISRA website

Peter Rafferty [RWQCB] on-site inspecting field work



Using Vacuum truck to remove thin soils

30-Day Look ahead - through August 27, 2010

- NASA - Conduct waste characterization sampling in finalized ISRA areas (AP/STP, LOX, and A2LF-2).
- Boeing/NASA - Prepare confirmation sampling plan for remaining 2010 ISRA areas (B1-1, B1-2, IEL-1, IEL-2, and AP/STP) and review with Agencies.
- Surface Water Expert Panel - Finalize memorandum which presents a recommended protocol for agency split sample collection for performance monitoring samples.
- Boeing - Complete planned excavation activities and confirmation soil sampling at 2010 ISRA areas (Boeing property).
- NASA - Conduct final staking of 2010 ISRA areas (NASA property), conduct utilities survey, and install BMPs in preparation for field work.
- Surface Water Expert Panel - Develop restoration plan for 2010 ISRA areas.
- Surface Water Expert Panel - Recommend plant source (seed / commercial) for 2010 ISRA restoration activities.
- Boeing - Continue inspecting all ISRA areas biweekly during the non-rainy season, per the SWPPP.

Approved By:

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

LNB:bjc

LNB:bjc

Distribution: Mr. Peter Raftery, RWQCB
Ms. Cassandra Owens, RWQCB
Mr. Buck King, DTSC
Mr. Allen Elliott, NASA



The Boeing Company

5800 Woolsey Canyon Road
Canoga Park, CA 91304-1148

Date: 8/18/2010

No.: SHEA-110282

To: Sam Unger
Interim Executive Office
LA Regional Water Quality Control
Board

From: Tom Gallacher
Director, Santa Susana Field Lab
Environment, Health & Safety

Subject: August 2010 Monthly Progress Report for July 27, 2010 - August 12, 2010 Activity
California Water Code Section 13304 Interim Source Removal Action Order (ISRA)
(NPDES No. CA0001309, CI No. 6027, SCP NO. 1111, Site ID No. 2040109)

Per the Regional Water Board's request, Boeing, on behalf of Boeing and NASA, is providing the following Monthly Progress Report on the Interim Source Removal Action (ISRA) activities for the period of July 27, 2010 to August 12, 2010. In addition, a 30 day Look-Ahead is also provided.

Weekly team meetings have been held to track the ISRA activities since April 16, 2009. During this reporting period, the meeting participants have consisted of RWQCB staff, DTSC staff, Ventura County staff, Surface Water Expert Panel Members, Boeing, and NASA. For the period from late-July to mid-August, the primary activities have been continuing planned excavation activities at 2010 ISRA areas on Boeing property, collecting waste characterization samples at 2010 ISRA areas on NASA property (AP/STP ISRA areas), collecting confirmation soil samples at ISRA areas CTLI-1A and CTLI-1B, and beginning offsite transportation of waste soils from Phase II (2010) ISRA areas on Boeing property. Routine inspections of the field work are being conducted by Ventura County and RWQCB. DTSC will be on site when possible. In addition, inspections of BMPs at Phase I (2009) Outfall 008 and 009 ISRA areas were conducted biweekly during the non-rainy season, per the ISRA SWPPP.

During the previous reporting period (June 17, 2010 – July 26, 2010), three tasks were completed but not included in the monthly progress report. These activities are listed below.

- July 21, 2010 – Surface Water Expert Panel completed a memorandum with recommendations for erosion control hydroseeding methods, locations of additional culvert modification areas, and maintenance of existing culvert modification areas.
- July 22, 2010 – Surface Water Expert Panel recommended plant source (seed / commercial) for 2010 ISRA restoration activities.
- July 23, 2010 – Submitted the 2010 Boeing Soil Borrow Area memorandum to the RWQCB.



Completed Tasks – July 27, 2010 to August 12, 2010

- July 27, 2010 – August 12, 2010 – Completed planned excavation at ISRA areas CTLI-1A, CTLI-1B, B1-1C, and B1-1D, and began planned excavation at B1-1B and IEL-1. Collected confirmation samples, including RWQCB splits, from ISRA areas CTLI-1A and CTLI-1B, results are pending. Began offsite disposal of excavated soil. In total, ~2,800 cy (ex situ) of soil have been excavated, 20 confirmation samples collected, and 30 truckloads of non-hazardous soil delivered to offsite disposal facility (McKittrick).
- July 27, 2010 – Collected additional data gap samples in ISRA areas B1-2 and IEL-1 (Boeing property).
- July 27, 2010 – Ventura County on site to inspect excavation activities and compliance with grading permit.
- July 28, 2010 – Reviewed confirmation sampling plan for B1-1A, B1-1B, B1-1C, and B1-1D with RWQCB and DTSC.
- July 28 - 30, 2010 – Collected waste characterization samples for AP/STP ISRA areas (NASA property).
- August 3, 2010 – Inspected BMPs at 2009 and 2010 ISRA areas during the non-rainy season (biweekly), per the ISRA SWPPP.
- August 5, 2010 – RWQCB on site to inspect excavation activities.
- August 6, 2010 – Ventura County approved the 2009 ISRA Record Drawings and closed out the 2009 Grading Permit.
- August 9, 2010 – RWQCB on site to collect split confirmation samples from CTLI-1A and CTLI-1B.
- August 9 - 12, 2010 – Shipped 30 loads of non-hazardous soil (450 cy of excavated soil from CTLI-1A and CTLI-1B) to McKittrick Waste Treatment Site.
- August 10, 2010 – Ventura County on site to inspect excavation activities and compliance with grading permit.
- August 10, 2010 – Containerized plants ordered for the Boeing ISRA areas per the Surface Water Expert Panel recommendations.



Excavating non-hazardous soil at B1-1B.



Loading non-hazardous soil from B1-1B into onsite haul truck for transportation to the temporary stockpile area.



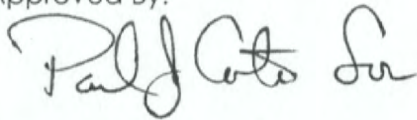
Flagman utilized to allow haul truck to safely move between the excavation site and the temporary stockpile area.

30-Day Look ahead – through September 12, 2010

- Boeing/NASA – Prepare confirmation sampling plans for remaining 2010 ISRA areas (B1-2, IEL-1, IEL-2, and AP/STP) and review with Agencies.
- Surface Water Expert Panel – Finalize memorandum which presents a recommended protocol for agency split sample collection for performance monitoring samples.
- Boeing – Complete planned excavation activities and confirmation soil sampling at 2010 ISRA areas (Boeing property).

- NASA – Plan to start activities in preparatory for field work: final staking of 2010 ISRA areas (NASA property), conduct utilities survey, install BMPs in preparation for field work,
- Surface Water Expert Panel – Develop restoration plan for 2010 ISRA areas.
- Boeing/NASA – Continue inspecting 2009 and 2010 ISRA areas biweekly during the non-rainy season, per the ISRA SWPPP.

Approved By:



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

Distribution:

Mr. Peter Raftery, RWQCB
Ms. Cassandra Owens, RWQCB
Mr. Buck King, DTSC
Mr. Allen Elliott, NASA



The Boeing Company

5800 Woolsey Canyon Road
Canoga Park, CA 91304-1148

Date: 9/16/2010 **No.:** SHEA-110385

To: Sam Unger
Executive Officer
Regional Water Quality Control
Board

From: Tom Gallacher
Director, Santa Susana Field Lab
Environment, Health & Safety

Subject: September 2010 Monthly Progress Report for August 13, 2010 - September 15, 2010
Activity
California Water Code Section 13304 Interim Source Removal Action Order (ISRA)
(NPDES No. CA0001309, CI No. 6027, SCP NO. 1111, Site ID No. 2040109)

Per the Regional Water Board's request, Boeing, on behalf of Boeing and NASA, is providing the following Monthly Progress Report on the Interim Source Removal Action (ISRA) activities for the period of August 13, 2010 to September 15, 2010. In addition, a 30 day Look-Ahead is also provided.

Weekly team meetings have been held to track the ISRA activities since April 16, 2009. During this reporting period, the meeting participants have consisted of RWQCB staff, DTSC staff, Surface Water Expert Panel Members, Boeing, and NASA. For the period from mid-August to mid-September, the primary activities have been continuing planned excavation activities at 2010 ISRA areas on Boeing property, collecting confirmation soil samples at ISRA areas B1-1A, B1-1B, B1-1C, B1-1D, and IEL-1, and continuing offsite transportation of waste soils from 2010 ISRA areas on Boeing property. Routine inspections of the field work are being conducted by Ventura County and RWQCB. DTSC will be on site when possible. In addition, inspections of BMPs at Phase I (2009) Outfall 008 and 009 ISRA areas were conducted biweekly during the non-rainy season, per the ISRA SWPPP.

Completed Tasks – August 13, 2010 to September 15, 2010

- August 13, 2010 - September 16, 2010 – Completed planned excavation at ISRA areas B1-1A, B1-1B, IEL-1, and B1-2. Collected confirmation samples, including RWQCB splits, from ISRA areas B1-1A, B1-1B, B1-1C, B1-1D, and IEL-1.
- August 17, 2010 – Ventura County on-site to inspect excavation activities and compliance with grading permit.
- August 17, 2010 – Collected additional waste characterization samples for AP/STP ISRA areas (NASA property).

- August 17, 2010 – Inspected BMPs at 2009 and 2010 ISRA areas during the non-rainy season (biweekly), per the ISRA SWPPP.
- August 18, 2010 – Reviewed confirmation sampling plan for ISRA area IEL-1 with RWQCB and DTSC.
- August 23, 2010 – RWQCB on-site to inspect excavation activities.
- August 25, 2010 – Reviewed revised confirmation sampling plan for ISRA areas B1-1A, B1-1B, B1-1C, and B1-1D with RWQCB and DTSC.
- August 26, 2010 – RWQCB on-site to collect split confirmation samples from B1-1A, B1-1B, B1-1C, B1-1D, and IEL-1.
- August 31, 2010 – Inspected BMPs at 2009 and 2010 ISRA areas during the non-rainy season (biweekly), per the ISRA SWPPP.
- September 7, 2010 – Ventura County on-site to inspect excavation activities and compliance with grading permit.
- September 8, 2010 – Discussed CTLI-1A and CTLI-1B confirmation sample results (Boeing) and additional excavation plan with RWQCB and DTSC.
- September 8, 2010 – Reviewed confirmation sampling plan for ISRA area B1-2 with RWQCB and DTSC.
- September 8, 2010 – Discussed waste characterization results for AP/STP ISRA areas with RWQCB and DTSC.
- September 8, 2010 – Discussed Surface Water Expert Panel memorandum presenting the recommended protocol for agency split sample collection for performance monitoring samples with RWQCB and DTSC.
- September 9, 2010 – RWQCB on-site to inspect excavation activities.
- September 10, 2010 – Surface Water Expert Panel on-site to observe Outfalls 008 and 009 in preparatory for submittal of the Outfall 008 and 009 BMP Work Plan on October 15, 2010.
- September 10 - 15, 2010 – Conducted additional excavation at ISRA area CTLI-1A to remove soil associated with confirmation samples with results exceeding the SRGs.
- September 13, 2010 - Discussed CTLI-1A and CTLI-1B confirmation sample results (RWQCB) and additional excavation plan with RWQCB.
- September 14, 2010 – Inspected BMPs at 2009 and 2010 ISRA areas during the non-rainy season (biweekly), per the ISRA SWPPP.
- As of September 15, 2010 - In total, ~4,650 cy of soil have been excavated, ~130 confirmation samples have been collected, and ~110 truckloads of non-hazardous soil delivered to offsite disposal facilities (McKittrick and Lancaster).



Loading non-hazardous soil into haul truck for transportation to an offsite disposal facility.

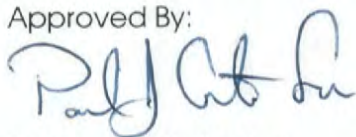


Excavating soil down to bedrock at CTLI-1A using a supervac.

30-Day Look ahead – through October 15, 2010

- Boeing/NASA – Prepare confirmation sampling plans for remaining 2010 ISRA areas (IEL-2 and AP/STP) and review with Agencies.
- Boeing – Complete planned excavation activities and confirmation soil sampling at 2010 ISRA areas (Boeing property).
- NASA – Begin preparation activities for implementation at AP/STP ISRA areas: final staking, utilities survey, pre-field biological survey, vegetation clearance, and BMP installation.
- NASA – Begin planned excavation activities and confirmation soil sampling at 2010 ISRA areas (NASA property).
- Surface Water Expert Panel – Develop restoration plan for 2010 ISRA areas.
- Boeing – Prepare 2010 Addendum to the Performance Monitoring Sampling and Analysis Plan for 2010 ISRA areas.
- Boeing/NASA – Continue BMP inspections at the 2009 and 2010 ISRA areas per the ISRA SWPPP, and obtain performance monitoring samples per the Performance Monitoring Plan.

Approved By:



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

LNB:bjc

Distribution:

Mr. Peter Raftery, RWQCB
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