

The Boeing Company
Santa Susana Field Laboratory
5800 Woolsey Canyon Road
Canoga Park, CA 91506-1191

Via Federal Express

September 29, 2009
In reply refer to SHEA-109171

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, 2009 Quarterly Progress Report for June 27 through
September 9, 2009 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 (targeted Fall/Winter 2011). This Quarterly Progress Report is submitted for the third quarter 2009. This report summarizes ISRA activities performed during the period of June 27 through September 9, 2009.

ISRA activities at the SSFL are being performed pursuant to a California Water Code Section 13304 Cleanup and Abatement Order (CAO) issued by the Los Angeles Regional Water Quality Control Board (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 CAO requires the sources that are discharging the constituents that exceeded National Pollution Discharge Elimination System (NPDES) permit limits and benchmarks within the Outfall 008 and 009 watersheds to be addressed. Per the RWQCB CAO, a Preliminary ISRA Work Plan was prepared and submitted to the RWQCB on February 13, 2009 and a Final ISRA Work Plan was prepared and submitted to the RWQCB on May 1, 2009. The Final ISRA Work Plan supplements the Preliminary ISRA Work Plan by completing the ISRA Area identification and remedial planning process for the Outfall 008 watershed and one area in the Outfall 009 watershed, and describes procedures to complete ISRA remedial planning for the remainder of the Outfall 009 watershed.

Per the RWQCB's request, Boeing is providing monthly progress reports on the ISRA activities. This quarterly progress report is a compilation of the monthly progress reports for

Mr. P. Raftery, RWQCB (SHEA-109171)
September 29, 2009
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the period of June 27 through September 9, 2009. The monthly progress reports are attached to this quarterly progress report and provide the complete list of ISRA activities performed during period covered by this quarterly report.

If you have any questions or require anything further, please contact Lori Blair at 818-466-8741.

Very truly yours,



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

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

LNB:bjc

Attachments:

- August 2009 Monthly Progress Report (June 27 – August 7, 2009)
- August Amendment 2009 Monthly Progress Report (August 8 – 27, 2009)
- September 2009 Monthly Progress Report (August 28 – Sept 9, 2009)

cc: Ms. Cassandra Owens, RWQCB
Mr. Allen Elliott, NASA,
Mr. Steve Slaten, NASA,
Mr. Rick Lainhart, U.S. ACOE
Mr. Buck King, DTSC
Mr. Rick Brausch, DTSC, without attachment
Mr. James Pappas, DTSC, without attachment
Mr. Gerard Abrams, DTSC, without attachment
Mr. Paul Carpenter, DTSC, without attachment



Date: 8/13/2009 No.: SHEA-108974
ISRA-3R

To: Tracy Egoscue
Executive Office
LA Regional Water Quality Control
Board

From: Tom Gallacher
Director
Santa Susana Field Laboratory
Environmental, Health & Safety

Subject: September 2009 Monthly Progress Report for June 27 - August 7, 2009 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 is providing the following monthly progress report on the Interim Source Removal Action (ISRA) activities for the period of June 26, 2009 to August 7, 2009. In addition, a 30 day Look-Ahead is also provided.

Weekly team meetings have been held to track the ISRA activities since April 15, 2009. The meeting members consist of Regional Board staff, DTSC staff, Boeing and NASA. Recently, Ventura County staff have also attended the meetings. For the months of July and August, the primary activities have included submittal of supplemental planning documents for agency review, completion of data gap sampling to finalize 2009 ISRA Areas, and submittal of a grading permit application to Ventura County. Field preparation activities also included conducting a pre-excavation topographic survey, waste characterization sampling, and the final staking of the areas identified for removal in 2009 in both Outfalls 008 and 009. Regional Board staff performed one field visit to observe the final staked areas on both Boeing and NASA property. Approval was received for the Final ISRA Work Plan (RWQCB), the Archaeological Report for NASA property in Outfall 009 (State Historic Preservation Office [SHPO]), and the Storm Water Pollution Prevention Plan (SWPPP) Notice Of Intent (NOI) (SWRCB). RWQCB comments were received on the SWPPP, and DTSC comments were received on the Soil Management Plan (SMP).

Completed Tasks – June 26, 2009 to August 7, 2009

- June 26, 2009 – Submitted response to ACOE request for additional information related to Section 404 NWP 38
- June 30, 2009 – Submitted Quarterly Progress Report to RWQCB
- June 30 – July 21, 2009 – Performed supplemental data gap sampling in Outfalls 008 and 009
- July 1, 2009 – Received confirmation that Archaeological Resources Protection Act (ARPA) permit not required for NASA sites
- July 1 - 30, 2009 – Performed waste characterization sampling in Outfalls 008 and 009
- July 2 - 31, 2009 – Performed pre-excavation topographic survey of 2009 ISRA Areas

- July 7, 2009 – Received approval of the Final ISRA Work Plan from RWQCB
- July 8, 2009 – Submitted SWPPP NOI to SWRCB
- July 13, 2009 – Submitted SMP to RWQCB
- July 14 - August 3, 2009 – Received comments on the SWPPP from RWQCB and on the SMP from DTSC
- July 15, 2009 – Submitted Archaeological Report (NASA Property in Outfall 009) to SHPO and RWQCB
- July 20, 2009 – Selected contractor for 2009 ISRA field work
- July 28, 2009 – Submitted grading permit application for Boeing 2009 ISRA Areas to Ventura County
- July 29-30, 2009 – Submitted maps and data tables for Outfall 008 and 009 data gap and waste characterization samples collected to date to RWQCB and DTSC
- July 30, 2009 – Completed final staking of 2009 ISRA Areas
- July 31 – Conducted site walk of final 2009 ISRA staked areas with RWQCB
- August 5, 2009 – Received approval of SWPPP NOI from SWRCB.
- August 7, 2009 – Received approval of Archaeological Report (NASA Property in Outfall 009) from SHPO
- August 7, 2009 – Received comments on the grading permit application from Ventura County.

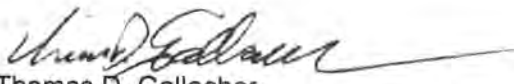
30-Day Look ahead – through September 7, 2009

- RWQCB – Approve Clean Water Act (CWA) Section 401 pre-certification notification
- ACOE – Issue Section 404 NWP 38
- NASA – Submit Archaeological Report (NASA Property in Outfall009) to the California Historical Resources Information System (CHRIS)
- Boeing / NASA – Submit Biological Reports for Outfalls 008 and 009 to RWQCB
- Boeing / NASA – Establish waste profiles with landfills
- Boeing / NASA – Submit responses to RWQCB and DTSC comments on the SWPPP, H&S Plan, Transportation Plan, and SMP, and finalize supplemental plans prior to field work
- Boeing – Submit revised grading permit application for Outfall 008 2009 ISRA Areas to Ventura County
- Ventura County – Issue grading permit for Outfall 008 2009 ISRA Areas
- Boeing / NASA – Conduct pre-field biological survey – Scheduled for 8/11/09 with RWQCB
- RWQCB – Review and provide comments on the SMP
- Ventura County – Review and provide comments on the SWPPP

September 2009 Monthly Progress Report June 26 – August 7, 2009 Activity
(SHEA-108974)

- Boeing / NASA / RWQCB / DTSC / Ventura County – Conduct pre-construction meeting – Scheduled for 8/13/09
- Boeing – Conduct underground utilities survey for excavation areas
- Boeing – Install pre-construction BMPs at ISRA locations
- Boeing – Notify neighbors of the start of work
- Boeing / NASA – Begin planned 2009 ISRA within Outfalls 008 and 009, collect confirmation samples, and begin restoration activities

Approved By:



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

LNB:bjc

Distribution:

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



Date: 8/27/2009 No.: SHEA-109021
ISRA-3R

To: Tracy Egoscue
Executive Office
LA Regional Water Quality Control
Board

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

Subject: Addendum to the September 2009 Monthly Progress Report for August 8-27, 2009 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 provided the September 2009 Monthly Progress Report on the Interim Source Removal Action (ISRA) activities for the period of June 26, 2009 to August 7, 2009, and provided a 30 day Look-Ahead. This addendum to the September 2009 Monthly Progress Report includes the ISRA activities for the period of August 8, 2009 to August 27, 2009, and provides a revised 30 day Look-Ahead.

Weekly team meetings have been held to track the ISRA activities since April 15, 2009. The meeting members consist of Regional Board staff, DTSC staff, Ventura County staff, Boeing and NASA. For the month of August, the primary activities have included submittal of responses to agency comments on supplemental planning documents, submittal of a revised grading permit application to Ventura County, and the start of excavation and confirmation soil sampling at Outfall 008.

Field preparation activities included conducting a pre-field biological survey, underground utilities survey, and additional waste characterization sampling; establishing waste profiles with the landfills for Outfall 008 locations; and installing pre-construction BMPs at Outfall 008 locations. Regional Board staff attended a pre-construction meeting with Boeing, NASA, DTSC, and Ventura County. The Biological Report for Outfall 008 and a letter notification of the Archaeological Report for Outfall 008 were submitted to RWQCB. Approval was received for the Clean Water Act (CWA) Section 401 pre-certification (RWQCB), the Section 404 Nation Wide Permit (NWP) 38 (ACOE), and the Outfall 008 grading permit and oak tree permit were issued (Ventura County).

Completed Tasks – August 8, 2009 to August 26, 2009

- August 10-11, 2009 – Conducted pre-field biological survey; RWQCB present on August 11, 2009.
- August 10-13, 2009 – Installed pre-construction BMPs at Outfall 008 ISRA locations.
- August 11, 2009 – Conducted underground utilities survey for 2009 ISRAs within Outfalls 008 and 009 and contacted Dig Alert.
- August 13, 2009 – Received comments from RWQCB on the Soil Management Plan (SMP).

Addendum to September 2009 Monthly Progress Report August 8 – August 28, 2009 Activity (SHEA-109021)

- August 13, 2009 – Conducted pre-construction meeting with Boeing / NASA / RWQCB / DTSC / Ventura County.
- August 17, 2009 – Submitted revised grading permit application for Outfall 008 2009 ISRA Areas to Ventura County.
- August 17, 2009 – Submitted responses to RWQCB and DTSC comments on the SMP, Health & Safety Plan, and Transportation Plan, and submitted revised SWPPP to RWQCB.
- August 17-24, 2009 – Performed additional soil borrow source sampling in Outfall 008 and additional waste characterization sampling in Outfalls 008 and 009.
- August 19, 2009 – Received approval of Clean Water Act (CWA) Section 401 pre-certification notification from RWQCB.
- August 19, 2009 – Received grading permit for Outfall 008 2009 ISRA Areas from Ventura County.
- August 21, 2009 – Finalized waste profiles with landfills for excavated soil from Outfall 008 ISRA Areas.
- August 24, 2009 – Oak tree permit for Outfall 008 issued by Ventura County.
- August 24, 2009 – Submitted Biological Report for Outfall 008 to RWQCB.
- August 24, 2009 – Sent letter to RWQCB summarizing the results of the archeological survey conducted within Outfall 008.
- August 24, 2009 – Submitted revised Outfall 008 data tables and figures to RWQCB.
- August 24, 2009 – Conducted final pre-field site walk with Ventura County and RWQCB of Outfall 008 ISRA Areas.
- August 25, 2009 – Received approval of Section 404 NWP 38 from ACOE.
- August 25, 2009 – Began planned 2009 excavations at DRG-1 within Outfall 008, and began collecting confirmation samples.
- August 27, 2009 - NASA submitted Archaeological Report (NASA Property in Outfall 009) to the California Historical Resources Information System (CHRIS)
- August 27, 2009 – Site visit of Outfall 008 ISRA field operations by RWQCB and Ventura County

30-Day Look ahead – through September 25, 2009

- Boeing / NASA – Submit revised Outfall 009 (ELV) data tables and figures to RWQCB.
- Boeing / NASA – Submit Biological Report for Outfall 009 to RWQCB
- Boeing / NASA – Finalize waste profiles with landfills for excavated soil from Outfall 009 (ELV) ISRA Areas
- Boeing – Install pre-construction BMPs at Outfall 009 (ELV) ISRA Areas
- Boeing / NASA – Continue planned 2009 ISRA field work within Outfall 008 and begin planned 2009 ISRA field work within Outfall 009, collect confirmation samples, and begin restoration activities

Addendum to September 2009 Monthly Progress Report August 8 – August 28, 2009 Activity (SHEA-109021)

- Boeing / NASA – Conduct additional data gap and source delineation sampling within Outfall 009 to identify 2010 / 2011 ISRA Areas

Approved By:



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

Distribution:

Peter Rafferty, RWQCB
Cassandra Owens, RWQCB
Buck King, DTSC
Allen Elliott, NASA
Steven Slaten, NASA



Date: 9/10/2009 No.: SHEA-109096
ISRA-3R

To: Tracy Egoscue From: Tom Gallacher
Executive Office Director
LA Regional Water Quality Control Santa Susana
Board Environmental, Health & Safety

Subject: October 2009 Monthly Progress Report for August 28 - September 9, 2009 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 is providing the following Monthly Progress Report on the Interim Source Removal Action (ISRA) activities for the period of August 28, 2009 to September 9, 2009. In addition, a 30 day Look-Ahead is also provided.

Weekly team meetings have been held to track the ISRA activities since April 15, 2009. The meeting participants consist of Regional Board staff, DTSC staff, Ventura County staff, Surface Water Expert Panel Member, Boeing and NASA. For the period from late August to early September, the primary activity has been the continuation of excavation and confirmation soil sampling at Outfall 008. Ventura County grading permit inspectors have continued to perform unannounced field inspections. All field work has been in compliance with the Ventura County grading permit requirements. Field preparation activities for Outfall 009 locations included additional waste characterization sampling.

Completed Tasks – August 27, 2009 to September 9, 2009

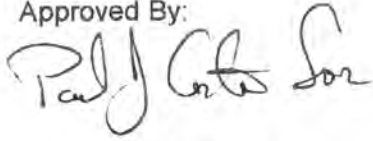
- August 28 - September 9, 2009 – Completed initial excavations from 3 of the 9 locations identified for the 2009 ISRA Outfall 008 areas (excavated ~1,600 cy of soil) and collected confirmation samples at 3 Outfall 008 ISRA areas.
- August 28, 2009 – Conducted additional waste characterization sampling within the 2009 ISRA Outfall 009 areas.
- September 1 and 3, 2009 – RWQCB on site to collect split confirmation samples.
- September 3 - 9, 2009 – Shipped 45 trucks (675 cy of excavated soil from the ISRA Outfall 008 areas) to Antelope Valley Disposal Facility.
- September 3, 2009 – Ventura County on site to review work and compliance with grading permit.
- September 3, 2009 – Conducted additional waste characterization sampling within the 2009 ISRA Outfall 009 areas.

- September 3, 2009 – Collected a sample of the wrapping around the pipe (former natural gas line) that traverses the soil collapse feature within an Outfall 008 ISRA area.
- September 9, 2009 – RWQCB on site to observe investigative trenching through the soil collapse feature identified within an Outfall 008 ISRA area.

30-Day Look ahead – through October 9, 2009

- Boeing – Continue planned 2009 ISRA field work within Outfall 008.
- Boeing / NASA – Meet with DTSC and RWQCB to discuss the Outfall 009 waste characterization radiological results and the planned management of the material.
- NASA – Submit Final ISRA Work Plan Letter Amendment to RWQCB to add two additional Outfall 009 ISRA areas to the 2009 implementation.
- Boeing – Submit Final ISRA Work Plan Letter Amendment to RWQCB to present investigation results of the soil collapse feature identified within Outfall 008 and the revised confirmation sampling plan for the surrounding area.
- Boeing – Conduct field investigation of the hatch feature identified within an Outfall 008 ISRA Area under RWQCB and DTSC regulatory oversight.
- Boeing / NASA – Submit Biological Report for Outfall 009 to RWQCB.
- Boeing – Perform pre-field biological survey, vegetation clearance, and utilities survey at the two additional Outfall 009 ISRA areas.
- Boeing – Install pre-construction BMPs at the 2009 ISRA Outfall 009 areas.
- Boeing / NASA – Finalize waste profiles with landfills for excavated soil from 2009 ISRA Outfall 009 areas.
- Boeing / NASA – Conduct pre-fieldwork site walk of 2009 ISRA Outfall 009 areas and begin planned 2009 ISRA field work within Outfall 009.
- Surface Water Expert Panel – Conduct site walk to assess restoration and prepare Containerized Planting Plan for site restoration activities at Outfalls 008.
- Boeing – Based upon confirmation sample results, begin implementation of the Surface Water Expert Panel recommendations for containerized plantings and initiate restoration activities within completed 2009 ISRA Outfall 008 areas.
- Boeing / NASA – Finalize restoration plan for 2009 ISRA Outfall 009 areas – to be implemented once confirmation sampling is completed.
- Boeing / NASA – Conduct additional data gap and source delineation sampling within Outfall 009 to identify 2010 / 2011 ISRA areas.

Approved By:

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

Distribution:

Peter Raftery, RWQCB
Cassandra Owens, RWQCB
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