



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

Via E-Mail to praftery@waterboards.ca.gov

March 27, 2014

In reply, refer to SHEA-114632

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

Dear Mr. Raftery:

**Subject: Fourth Quarter Progress Report for December 19, 2013 – March 21, 2014 Activity,
Interim Source Removal Action (ISRA) and Best Management Practices (BMP) Plan**

In the Final ISRA Work Plan and the BMP Plan, Boeing and NASA proposed to provide the Los Angeles Regional Water Quality Control Board (RWQCB) with quarterly progress reports until work is complete. This Quarterly Progress Report is submitted for the first quarter 2014 and summarizes ISRA and BMP Plan activities performed during the period of December 19, 2013 – March 21, 2014.

ISRA activities at the Santa Susana Site are being conducted pursuant to a California Water Code Section 13304 Cleanup and Abatement Order (CAO) issued by RWQCB dated December 3, 2008. The BMP Plan was prepared pursuant to the National Pollution Discharge Elimination System (NPDES) Permit (Order No. R4-2010-0090) adopted by the RWQCB on June 3, 2010. ISRA and BMP Plan activities are being implemented under oversight of the RWQCB with the objective of achieving compliance with the Waste Discharge Requirements (WDRs) for Outfalls 008 and 009 established in the NPDES Permit.

Per the RWQCB's request, Boeing provides monthly progress reports on the ISRA and BMP Plan activities to the RWQCB Executive Officer. This quarterly progress report is a compilation of the monthly progress reports for the period of December 19, 2013 – March 21, 2014, which are attached to provide the complete list of ISRA and BMP Plan activities performed during the period covered by this quarterly report. The Phase III ISRA Implementation Summary Report was submitted to the RWQCB in January 2014. Phase III ISRA, which was conducted between 2011 and 2013, is the final phase of ISRA. Performance monitoring at Phase III ISRA areas is currently being performed with results and recommendations being presented in annual rainy season summary reports. Since the ISRA remedial activities are complete, future progress reports will only provide updates on the ISRA performance monitoring and the BMP monitoring programs and will be provided on a quarterly basis, as proposed in the Final ISRA Work Plan and the BMP Plan.

The ISRA and BMP Plan Quarterly Reports are posted on the ISRA website at:

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



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If you have any questions or require anything further, please contact me at (818) 466-8795.

Sincerely,

A handwritten signature in black ink, appearing to read 'Art Lenox'.

Art Lenox
Boeing Remediation
Environment, Health and Safety

Enclosures:

January 2014 Monthly Progress Report (December 19, 2013 – January 17, 2014) – SHEA-114465
February 2014 Monthly Progress Report (January 18, 2014 – February 14, 2014) – SHEA-114538
March 2014 Monthly Progress Report (February 15, 2014 – March 21, 2014) – SHEA-114631

cc: Ms. Cassandra Owens, RWQCB, w/ attachments
Mr. Mark Malinowski, DTSC, w/ attachments
Mr. Buck King, DTSC, w/ attachments
Mr. Allen Elliott, NASA, w/ attachments
Mr. Peter Zorba, NASA, w/ attachments



Date: 03/31/2014 No.: SHEA-114631

To: Sam Unger
Executive Officer
LA Regional Water Quality Control
Board

From: Art Lenox
Santa Susana
Environment, Health & Safety

Subject: March 2014 Monthly Progress Report for February 15, 2014 to March 21, 2014 Activity, Interim Source Removal Action (ISRA) and Best Management Practices (BMP) Plan

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) and Best Management Practices (BMP) Plan activities for the period of February 15, 2014 to March 21, 2014. In addition, a 30 day Look-Ahead is provided.

ISRA activities at the Santa Susana Site are being performed pursuant to a California Water Code Section 13304 Cleanup and Abatement Order (CAO) issued by RWQCB dated December 3, 2008. To track the ISRA activities, meetings have been held on a weekly basis from April 16, 2009 through June 29, 2011, biweekly from July 2011 through September 2013, and on an as needed basis since September 2013. For the period from mid-February to mid-March, the primary activities have been inspecting erosion control BMPs at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP and Performance Monitoring inspections and sampling conducted during rain events.

A BMP Plan was prepared by Boeing and NASA, with considerable input from the Surface Water Expert Panel, pursuant to the NPDES Permit (Order No. R4-2010-0090) adopted by the RWQCB on June 3, 2010. BMP recommendations were developed based on statistical evaluations performed on a yearly basis, which are presented in the 2010-2011, 2011-2012, and 2012-2013 Rainy Season Summary Reports. BMP Plan Addenda were submitted to the RWQCB in September 2011, 2012, and 2013 that provide additional detail on the BMP recommendations in the yearly summary reports, and the implementation schedule. For the period from mid-February to mid-March, the primary activities have been continuing the planning activities associated with the planned BMP near Building 1436 (vegetated shallow detention basins) and conducting BMP monitoring inspections and sampling during rain events.

Accomplishments and upcoming actions for both the ISRA and BMP programs are listed below:

Activities Performed – February 15, 2014 to March 21, 2014

- February 15, 2014 – March 21, 2014:
 - Continued planning activities for the BMP recommended in the 2013 BMP Plan Addendum, a series of vegetated shallow detention basins in the vicinity of Building 1436.
- February 20, 2014: Performed weekly ISRA SWPPP inspections at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP.

- February 25, 2014: Performed pre-rain event ISRA SWPPP inspections at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP.
- February 27, 2014 – March 2, 2014: Performed rain event and post-rain event ISRA SWPPP inspections at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP.
- February 27, 2014 – March 2, 2014: Conducted ISRA performance monitoring and BMP monitoring inspections.
- March 5, 2014: Performed weekly ISRA SWPPP inspections at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP.
- March 13, 2014: Performed weekly ISRA SWPPP inspections at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP.
- March 17, 2014: Members of the Expert Panel performed a site walk of completed BMPs and the location of the planned BMP in the vicinity of Building 1436.
- March 20, 2014: Performed weekly ISRA SWPPP inspections at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP.

30-Day Look ahead – through April 18, 2014

- Boeing/NASA – Continue inspections of erosion control BMPs at ISRA areas, per the ISRA SWPPP.
- Boeing/NASA – Continue Performance Monitoring and BMP Monitoring during rain events, per the 2013-2014 Rainy Season SAP.
- Boeing/Expert Panel – Continue planning activities for the BMP in the vicinity of Building 1436.

Approved By:



Art Lenox
Boeing Remediation
Environment, Health and Safety

Distribution:

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



Date: 02/25/2014 No.: SHEA-114538

To: Sam Unger
Executive Officer
LA Regional Water Quality Control
Board

From: Art Lenox
Santa Susana
Environment, Health & Safety

Subject: February 2014 Monthly Progress Report for January 18, 2014 to February 14, 2014 Activity, Interim Source Removal Action (ISRA) and Best Management Practices (BMP) Plan

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) and Best Management Practices (BMP) Plan activities for the period of January 18, 2014 to February 14, 2014. In addition, a 30 day Look-Ahead is provided.

ISRA activities at the Santa Susana Site are being performed pursuant to a California Water Code Section 13304 Cleanup and Abatement Order (CAO) issued by RWQCB dated December 3, 2008. To track the ISRA activities, meetings have been held on a weekly basis from April 16, 2009 through June 29, 2011, biweekly from July 2011 through September 2013, and on an as needed basis since September 2013. For the period from mid-January to mid-February, the primary activity has been inspecting erosion control BMPs at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP.

A BMP Plan was prepared by Boeing and NASA, with considerable input from the Surface Water Expert Panel, pursuant to the NPDES Permit (Order No. R4-2010-0090) adopted by the RWQCB on June 3, 2010. BMP recommendations were developed based on statistical evaluations performed on a yearly basis, which are presented in the 2010-2011, 2011-2012, and 2012-2013 Rainy Season Summary Reports. BMP Plan Addenda were submitted to the RWQCB in September 2011, 2012, and 2013 that provide additional detail on the BMP recommendations in the yearly summary reports, and the implementation schedule. For the period from mid-January to mid-February, the primary activity has been continuing the planning activities associated with the planned BMP near Building 1436 (vegetated shallow detention basins).

Accomplishments and upcoming actions for both the ISRA and BMP programs are listed below:

Activities Performed – January 18, 2014 to February 14, 2014

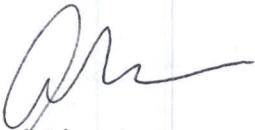
- January 18, 2014 – February 14, 2014:
 - Continued planning activities for the BMP recommended in the 2013 BMP Plan Addendum, a series of vegetated shallow detention basins in the vicinity of Building 1436.
- January 24, 2014: Performed weekly ISRA SWPPP inspections at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP.

- January 29, 2014: Performed weekly ISRA SWPPP inspections at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP.
- February 5 – 6, 2014: Performed pre-rain event and rain event ISRA SWPPP inspections at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP.
- February 6, 2014: Conducted ISRA performance monitoring and BMP monitoring inspections.
- February 10, 2014: Performed post-rain event ISRA SWPPP inspections at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP.

30-Day Look ahead – through March 20, 2014

- Boeing/NASA – Continue inspections of erosion control BMPs at ISRA areas, per the ISRA SWPPP.
- Boeing/NASA – Continue Performance Monitoring and BMP Monitoring during rain events, per the 2013-2014 Rainy Season SAP.
- Boeing/Expert Panel – Continue planning activities for the BMP in the vicinity of Building 1436.

Approved By:



Art Lenox
Boeing Remediation
Environment, Health and Safety

Distribution:

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



Date: 01/24/2014 No.: SHEA-114465

To: Sam Unger
Executive Officer
LA Regional Water Quality Control
Board

From: Art Lenox
Santa Susana
Environment, Health & Safety

Subject: January 2014 Monthly Progress Report for December 19, 2013 to January 17, 2013 Activity, Interim Source Removal Action (ISRA) and Best Management Practices (BMP) Plan

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) and Best Management Practices (BMP) Plan activities for the period of December 19, 2013 to January 17, 2014. In addition, a 30 day Look-Ahead is provided.

ISRA activities at the Santa Susana Site are being performed pursuant to a California Water Code Section 13304 Cleanup and Abatement Order (CAO) issued by RWQCB dated December 3, 2008. To track the ISRA activities, meetings have been held on a weekly basis from April 16, 2009 through June 29, 2011, biweekly from July 2011 through September 2013, and on an as needed basis since September 2013. For the period from mid-December to mid-January, the primary activity has been submitting the Phase III ISRA Implementation Report (the final ISRA implementation report) to the RWQCB. In addition, inspections of erosion control BMPs were performed at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP.

A BMP Plan was prepared by Boeing and NASA, with considerable input from the Surface Water Expert Panel, pursuant to the NPDES Permit (Order No. R4-2010-0090) adopted by the RWQCB on June 3, 2010. BMP recommendations were developed based on statistical evaluations performed on a yearly basis, which are presented in the 2010-2011, 2011-2012, and 2012-2013 Rainy Season Summary Reports. BMP Plan Addenda were submitted to the RWQCB in September 2011, 2012, and 2013 that provide additional detail on the BMP recommendations in the yearly summary reports, and the implementation schedule. For the period from mid-December to mid-January, the primary activities associated with BMPs have been continuing the planning activities associated with the planned BMP (vegetated shallow detention basins) near Building 1436.

Accomplishments and upcoming actions for both the ISRA and BMP programs are listed below:

Activities Performed – December 19, 2013 to January 17, 2014

- December 19, 2013 – January 17, 2014:
 - Continued preparing the Phase III ISRA Implementation Report – 2011 to 2013 Activities.
 - Continued planning activities for the BMP recommended in the 2013 BMP Plan Addendum, a series of vegetated shallow detention basins in the vicinity of Building 1436.

- December 19, 2013: Performed weekly ISRA SWPPP inspections at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP.
- December 23, 2013: Performed weekly ISRA SWPPP inspections at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP.
- January 2, 2014: Performed weekly ISRA SWPPP inspections at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP.
- January 9, 2014: Performed weekly ISRA SWPPP inspections at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP.
- January 14, 2014: Submitted the ISRA Phase III Implementation Report, 2011-2013 Activities to the RWQCB.
- January 17, 2014: Performed weekly ISRA SWPPP inspections at 2010, 2011/2012, and 2013 ISRA areas per the ISRA SWPPP.

30-Day Look ahead – through February 14, 2014

- Boeing/NASA – Continue inspections of erosion control BMPs at ISRA areas, per the ISRA SWPPP.
- Boeing/NASA – Continue Performance Monitoring and BMP Monitoring during rain events, per the 2013-2014 Rainy Season SAP.
- Boeing/Expert Panel – Continue planning activities for the BMP in the vicinity of Building 1436.

Approved By:



Art Lenox
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Environment, Health and Safety

Distribution:

Mr. Peter Raftery, RWQCB
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