



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

VIA E-MAIL

December 22, 2011
In reply refer to: SHEA-111689

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

Attention: Mr. Peter Raftery

Subject: Fourth Quarter Progress Report for September 17, 2011 – December 16, 2011
Activity,
Interim Source Removal Action (ISRA) and Best Management Practices (BMP) Plan

Dear Mr. Raftery:

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 fourth quarter 2011 and summarizes ISRA and BMP Plan activities performed during the period of September 17, 2011 through December 16, 2011.

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 September 17, 2011 through December 16, 2011, which are attached to provide the complete list of ISRA and BMP Plan activities performed during the period covered by this quarterly report.

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

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



In reply refer to: SHEA-111689
December 22, 2011
Page 2

If you have any questions or require anything further, please contact Art Lenox at 818-466-8795.

Sincerely,

A handwritten signature in black ink that reads 'Tom Gallacher'.

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

Attachments:

October 2011 Monthly Progress Report (September 17, 2011 – October 21, 2011)
November 2011 Monthly Progress Report (October 22, 2011 – November 18, 2011)
December 2011 Monthly Progress Report (November 19, 2011 – December 16, 2011)

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



The Boeing Company

5800 Woolsey Canyon Road
Canoga Park, CA 91304-1148

Date: 10/25/2011

No.: SHEA-111553
VIA E MAIL

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

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

Subject: October 2011 Monthly Progress Report for September 17, 2011 - October 21, 2011 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 September 17, 2011 to October 21, 2011. In addition, a 30 day Look-Ahead is also 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, and biweekly since July 2011. 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-September to mid-October, the primary activities associated with 2011 ISRA areas have been performing confirmation sampling activities at ISRA area AP/STP-1E-1, preparing for and beginning excavation at remaining AP/STP ISRA areas (including AP/STP-1B, AP/STP-1C-1, AP/STP-1C-2, and AP/STP-1E-2), and support for BMP implementation. In addition, inspections of erosion control BMPs were conducted at 2009, 2010, and 2011 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. Per the BMP Plan, a potential BMP subarea monitoring program was implemented during the 2010/2011 rainy season with results provided in the 2010/2011 Rainy Season Report that was submitted to the RWQCB on July 29, 2011. The BMP Plan and the 2010/2011 Rainy Season Report have been posted to the ISRA website. The 2010/2011 Rainy Season Report includes a memorandum prepared by the Expert Panel that presents the statistical evaluation performed on available data, a ranked list of potential BMP sites based on the evaluation results, and a list of new BMP recommendations. A BMP Plan Addendum, which provides additional detail on the new BMP recommendations and the implementation schedule, was submitted to the RWQCB on September 30, 2011.

As described in the 2010/2011 Rainy Season Report, although Performance and BMP monitoring results downstream of the Area 1 Landfill (A1LF) are generally below NPDES limits, a BMP is planned for erosion and treatment control. The planned BMP at the A1LF is further described in the BMP Addendum, and includes potentially rerouting and treating sheet flow runoff from the top of the landfill with a vegetated swale. This BMP is in addition to the continued use of the culvert modification

treatment BMP downstream of the A1LF (CM-9) and the removal of the B324 parking lot adjacent to the A1LF (completed in August, 2011). Based on the water quality data downstream of the A1LF, in addition to the completed and planned BMPs, no additional activities are planned at the A1LF as part of the ISRA program at this time. However, Performance and BMP Monitoring will continue downstream of the A1LF and the need for additional surface water controls will be reevaluated if warranted.

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

Activities Performed – September 17, 2011 to October 21, 2011

- September 17, 2011 – October 21, 2011:
 - In coordination with the Expert Panel, continued construction planning activities for the treatment BMP in the Lower Parking Lot Soil Stockpile area, including discussions with Southern California Edison (SCE) about work within their easement and revising Ventura County grading permit application (submittal will occur after completion of discussions with SCE). A meeting with SCE was held on September 20, 2011 and a design package was sent for their review in late September.
 - In coordination with the Expert Panel, evaluated compost sample results for the potential onsite use of compost.
 - In coordination with the Expert Panel, began preparation of the 2011-2012 BMP and Performance Monitoring Sampling and Analysis Plan for the 008/009 watersheds.
- September 17 - 30, 2011: In coordination with the Expert Panel, completed the BMP Plan Addendum, which includes conceptual designs for the new BMP recommendations presented in the 2010/2011 Rainy Season Report, and submitted the addendum to the RWQCB on September 30, 2011 (the addendum was also posted to the ISRA website).
- September 17, 2011 – October 6, 2011: In coordination with the Expert Panel, completed the Restoration, Mitigation, and Monitoring Plan for the Northern Drainage and submitted the document to the RWQCB on October 6, 2011.
- September 17 - 30, 2011: Completed construction of the B-1 culvert inlet media filter.
- September 22, 2011 - October 5, 2011: Completed construction activities associated with the LOX erosion controls except for work planned on the Northern Drainage slope due to permit requirements.
- September 26, 2011 - October 4, 2011 Completed temporary BMP (detention basin with gravel filter bags) at the Lower Parking Lot.
- October 3, 2011: Held a meeting with RWQCB and DTSC to review the approach for confirming and delineating the extent of soils with radionuclides above preliminary EPA trigger levels at ELV ISRA areas.
- October 4 - 6, 2011: Conducted pre-rain event, rain event, and post-rain event BMP inspections at 2009, 2010, and 2011 ISRA areas, per the ISRA SWPPP.
- October 5, 2011: Conducted rain event Performance Monitoring and BMP Subarea Monitoring activities, including sampling.
- October 6, 2011: In coordination with the Expert Panel, hosted a surface water site tour with members of the public and RWQCB.
- October 10, 2011: Conducted pre-field biological survey at AP/STP-1B, AP/STP-1C-1, AP/STP-1C-2, and AP/STP-1E-2 (remaining AP/STP ISRA areas).
- October 11 - 14, 2011: Completed vegetation clearance at remaining AP/STP ISRA areas.
- October 12, 2011: Collected additional confirmation sample at AP/STP-1E-1; RWQCB onsite to collect split sample.

- October 13, 2011: Conducted weekly BMP inspection at 2009, 2010, and 2011 ISRA areas, per the ISRA SWPPP.
- October 13 - 14, 2011: Completed the underground utility survey at remaining AP/STP ISRA areas.
- October 17 - 21, 2011: Conducted planned excavation at remaining AP/STP ISRA areas.
- October 17, 2011: Conducted biological survey of remaining AP/STP ISRA areas.
- October 18, 2011: Collected additional waste characterization samples to confirm and/or delineate the extent of soils with radionuclides above preliminary EPA trigger levels at ISRA areas AP/STP-1B, AP/STP-1C-1, and AP/STP-1C-2. Soil associated with these samples will not be excavated until results have been reviewed with RWQCB and DTSC.
- October 19 - 21, 2011: Conducted offsite disposal of excavated soil from remaining AP/STP ISRA areas.
- October 20, 2011: Conducted weekly BMP inspection at 2009, 2010, and 2011 ISRA areas, per the ISRA SWPPP.
- October 20, 2011: Submitted a letter to RWQCB and DTSC describing the approach for confirming and delineating the extent of soils with radionuclides above preliminary EPA trigger levels.

30-Day Look ahead – through November 18, 2011

- Boeing/NASA – Continue rainy season inspections of erosion control BMPs at the 2009, 2010, and 2011 ISRA areas, per the ISRA SWPPP.
- Boeing/Expert Panel – Continue planning activities (grading permit activities and SCE discussions) associated with construction of the treatment BMP in the Lower Parking Lot Soil Stockpile area.
- Boeing/NASA – Continue excavation and offsite disposal of soil from remaining AP/STP ISRA areas.
- Boeing/NASA – Review confirmation sampling plan for remaining AP/STP ISRA areas with RWQCB and collect confirmation samples.
- NASA/Expert Panel – Begin design of the new BMP recommendations presented in the BMP Plan Addendum.
- Boeing/Expert Panel – Continue evaluation of compost sample results for the potential onsite use of compost.
- Boeing/NASA – Review confirmation sample results for ISRA areas AP/STP-1E-1 and AP/STP-1E-3 with DTSC and RWQCB, and complete restoration activities.

-
- Boeing/NASA/Expert Panel – Complete preparation of the 2011-2012 BMP and Performance Monitoring Sampling and Analysis Plan for the 008/009 Watersheds and submit to the RWQCB.
- Boeing/NASA – Collected additional waste characterization samples to confirm and/or delineate the extent of soils with radionuclides above preliminary EPA trigger levels at select ELV, A2LF, and LOX ISRA areas.

Approved By:



Thomas D. Gallacher
Director, Santa Susana
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: 11/29/2011

No.: SHEA-111637

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

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

Subject: November 2011 Monthly Progress Report for October 22, 2011 - November 18, 2011 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 October 22, 2011 to November 17, 2011. In addition, a 30 day Look-Ahead is also 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, and biweekly since July 2011. 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-October to mid-November, the primary activities associated with 2011 ISRA areas have been continuing excavation at AP/STP ISRA areas and performing sampling at AP/STP ISRA areas (both waste characterization and confirmation). In addition, inspections of erosion control BMPs were conducted at 2009, 2010, and 2011 ISRA areas per the ISRA SWPPP. Erosion control BMPs were implemented at ISRA areas prior to rain events, and performance monitoring was performed 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. A list of new BMP recommendations was developed based on a statistical evaluation performed on available data, which is presented in the 2010-2011 Rainy Season Summary Report. On September 30, 2011, a BMP Plan Addendum was submitted to the RWQCB that provides additional detail on the new BMP recommendations and the implementation schedule. For the period from mid-October to mid-November, the primary activities have been continuing planning activities for the BMP in the Lower Parking Lot, beginning planning activities for the BMPs at the Helipad and ELV, installing a temporary BMP at the Helipad, and preparing the 2011-2012 BMP and Performance Monitoring Sampling and Analysis Plan (2011-2012 Rainy Season SAP). In addition, BMP monitoring was performed during rain events.

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

Activities Performed – October 22, 2011 to November 18, 2011

- October 22, 2011 – November 18, 2011:
 - Continued construction planning activities for the treatment BMP in the Lower Parking Lot Soil Stockpile area, including discussions with Southern California Edison (SCE) about work within their easement. Currently, SCE is reviewing the project details and a decision from them is expected in the next few weeks. In consultation with the Expert Panel, alternatives have been developed for relocating the proposed BMP components outside the easement should SCE not approve construction within the easements.
 - In coordination with the Expert Panel, continued preparation of a memorandum recommending a source of compost for onsite use.
 - In coordination with the Expert Panel, continued preparation of the 2011-2012 Rainy Season SAP.
 - In coordination with the Expert Panel, began planning activities for the BMPs at the Helipad and ELV near the corner of Helipad Road and Area 2 Road.
 - In coordination with the Expert Panel, evaluated alternatives to mitigate the clogging of the B-1 culvert modification underdrain system by filter media. Implementation of the selected alternative is expected to occur in the next few weeks.
- October 22, 2011 – October 31, 2011: Completed planned soil removal activities at ISRA area AP/STP-1E-2 and conducted soil removal activities under oak trees within ISRA areas AP/STP-1B and AP/STP-1C-2.
- October 27, 2011: Conducted weekly BMP inspections at 2009, 2010, and 2011 ISRA areas, per the ISRA SWPPP.
- October 31 – November 1, 2011: Conducted a two day Kick Off meeting with the design team for helipad and ELV culvert BMP design and implementation.
- November 2, 2011: Conducted weekly BMP inspections at 2009, 2010, and 2011 ISRA areas, per the ISRA SWPPP.
- November 2, 2011: Reviewed confirmation sample results for ISRA areas AP/STP-1E-1 and AP/STP-1E-3 with RWQCB and DTSC, and received RWQCB and DTSC concurrence that excavation at these areas is complete.
- November 4, 2011: Conducted rain event and post-rain event BMP inspections at 2009, 2010, and 2011 ISRA areas, per the ISRA SWPPP.
- November 4, 2011: Conducted rain event Performance Monitoring and BMP Monitoring activities.
- November 6, 2011: Conducted rain event and post-rain event BMP inspections at 2009, 2010, and 2011 ISRA areas, per the ISRA SWPPP.
- November 6, 2011: Conducted rain event Performance Monitoring and BMP Monitoring activities.
- November 9, 2011: Reviewed confirmation sampling plan for ISRA area AP/STP-1E-2 with RWQCB and DTSC.
- November 9, 2011: Reviewed waste characterization sample results collected at ISRA areas AP/STP-1B, AP/STP-1C-1, and AP/STP-1C-2 to confirm and/or delineate the extent of soils with radionuclides above preliminary EPA trigger levels. RWQCB and DTSC agreed that based on the laboratory results, AP/STP-1B and AP/STP-1C-2 did not contain soils with

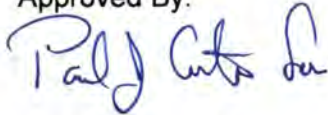
- radionuclides above preliminary EPA trigger levels, and agreed with additional waste characterization sampling plan at AP/STP-1C-1.
- November 10, 2011: Received approval from RWQCB and DTSC on the October 20, 2011 letter from NASA describing the approach for confirming and delineating the extent of soils with radionuclides above preliminary EPA trigger levels.
 - November 10, 2011 – Discussed BMP design approach and coordination milestones for the Helipad and ELV culvert on an introductory conference call with the Design Team and the Expert Panel.
 - November 11 – 12, 2011: Conducted pre-rain event, rain event, and post-rain event BMP inspections at 2009, 2010, and 2011 ISRA areas, per the ISRA SWPPP.
 - November 11 – 14, 2011: Installed temporary BMP at the Helipad, which consists of two berms constructed of sandbags.
 - November 12, 2011: Conducted rain event Performance Monitoring and BMP monitoring activities, including sampling.
 - November 14, 2011: Collected confirmation samples at ISRA area AP/STP-1E-2; RWQCB onsite to collect split samples.
 - November 14 – 18, 2011: Performed maintenance on the B-1 culvert modification.
 - November 16, 2011: Collected additional waste characterization samples at ISRA area AP/STP-1C-1 to confirm and/or delineate the extent of soils with radionuclides above preliminary EPA trigger levels. Soils associated with these samples will not be excavated until results have been reviewed with RWQCB and DTSC.
 - November 17, 2011: Conducted weekly BMP inspections at 2009, 2010, and 2011 ISRA areas, per the ISRA SWPPP.

30-Day Look ahead – through December 18, 2011

- Boeing/NASA – Continue inspections of erosion control BMPs at the 2009, 2010, and 2011 ISRA areas, per the ISRA SWPPP.
- Boeing/NASA – Continue Performance Monitoring and BMP Monitoring during rain events, per the draft 2011-2012 Rainy Season SAP.
- Boeing – Continue discussions with SCE associated with construction of the treatment BMP in the Lower Parking Lot Soil Stockpile area and submit revised grading permit application.
- NASA/Expert Panel – Continue planning activities for the BMPs at the Helipad and ELV culvert adjacent to the Area 2 Road.
- Boeing/NASA – Continue excavation and offsite disposal of soil from remaining AP/STP ISRA areas.
- Boeing/Expert Panel – Complete maintenance on the B-1 culvert modification.
- Boeing/NASA – Review confirmation sampling plan for AP/STP ISRA areas with RWQCB and DTSC, and collect confirmation samples.
- Boeing/Expert Panel – Complete preparation of a memorandum recommending a source of compost for onsite use.
- Boeing/NASA – Complete restoration activities for ISRA areas AP/STP-1E-1, AP/STP-1E-2, and AP/STP-1E-3.

- Boeing/NASA/Expert Panel – Complete preparation of the 2011-2012 Rainy Season SAP and submit to the RWQCB.
- Boeing/NASA/Expert Panel – Submit ISRA SWPPP Revision 3 to SMARTS website.

Approved By:



Thomas D. Gallacher
Director, Santa Susana
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: 12/22/2011

No.: SHEA-111692

To: Sam Unger
Executive Officer
LA Regional Water Quality Control
BoardFrom: Tom Gallacher
Director
Santa Susana
Environment, Health & SafetySubject: December 2011 Monthly Progress Report for November 19, 2011 - December 16, 2011
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 November 19, 2011 to December 16, 2011. In addition, a 30 day Look-Ahead is also 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, and biweekly since July 2011. 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-November to mid-December, the primary activities associated with 2011 ISRA areas have been continuing excavation and performing confirmation sampling at AP/STP ISRA areas. In addition, inspections of erosion control BMPs were conducted at 2009, 2010, and 2011 ISRA areas per the ISRA SWPPP. Erosion control BMPs were implemented at ISRA areas prior to rain events, and performance monitoring was performed 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. A list of new BMP recommendations was developed based on a statistical evaluation performed on available data, which is presented in the 2010-2011 Rainy Season Summary Report. A BMP Plan Addendum was submitted to the RWQCB in September 2011 that provides additional detail on the new BMP recommendations and the implementation schedule. For the period from mid-November to mid-December, the primary activities associated with BMPs have been continuing planning activities for the BMP in the Lower Parking Lot, continuing planning activities for the BMPs at the Helipad and ELV, conducting B-1 culvert modification reconstruction activities, and finalizing the 2011-2012 Potential BMP Monitoring and Performance Monitoring Sampling and Analysis Plan (2011-2012 Rainy Season SAP). In addition, potential BMP monitoring was performed during rain events.

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

Activities Performed – November 19, 2011 to December 16, 2011

- November 19, 2011 – December 16, 2011:
 - Continued construction planning activities for the treatment BMP in the Lower Parking Lot Soil Stockpile area, including discussions with Southern California Edison (SCE) about work within their easement. Currently, SCE is reviewing the project details and a decision from them is expected in the next few weeks. Conceptual alternatives have been developed for relocating the proposed BMP components outside the easement should SCE not approve construction within the easement.
 - In coordination with the Expert Panel, continued planning activities for the BMPs at the Helipad and ELV near the corner of Helipad Road and Area 2 Road.
 - In coordination with the Expert Panel, finalized design to modify the B-1 culvert to mitigate the migration of filter media into the underdrains based on the evaluations of the results of the media sieve analysis and the aggregate underdrain backfill bench-scale test performed on December 5, 2011. Reconstruction activities began on December 13, 2011.
- November 19 – 23, 2011: Continued planned soil removal activities at ISRA areas AP/STP-1B and AP/STP-1C-2.
- November 19 – 30, 2011: In coordination with the Expert Panel, finalized a memorandum recommending a source of compost for onsite use.
- November 19 – December 12, 2011: In coordination with the Expert Panel, finalized and submitted the 2011-2012 Rainy Season SAP to the RWQCB.
- November 20, 2011: Conducted rain event Performance Monitoring and potential BMP monitoring activities.
- November 21, 2011: Conducted biological survey of AP/STP ISRA areas.
- November 22, 2011: Conducted post-rain ISRA SWPPP inspections at 2009, 2010, and 2011 ISRA areas, per the ISRA SWPPP.
- November 22, 2011: Reviewed confirmation sampling plan for ISRA areas AP/STP-1B and AP/STP-1C-2 with RWQCB and DTSC.
- November 23, 2011: Removed debris pile from ISRA area AP/STP-1B.
- November 23, 2011: Covered excavated portions of AP/STP ISRA areas with plastic in anticipation of forecasted rain.
- November 28, 2011: Conducted biological survey of AP/STP ISRA areas.
- November 29, 2011: Collected confirmation samples at ISRA areas AP/STP-1B and AP/STP-1C-2; RWQCB onsite to collect split samples.
- November 30, 2011: Conducted weekly ISRA SWPPP inspections at 2009, 2010, and 2011 ISRA areas, per the ISRA SWPPP.
- November 30 – December 2, 2011: Conducted restoration activities at B-1 following pipeline removal. Activities included installing rip-rap and sand bags along the top of the B-1 drainage slope, installing rip-rap channels down the B-1 drainage slope, re-grading the upper B-1 area to direct storm water to flow towards the B-1 basin or slope rip-rap channels, and installing rip-rap behind the silt fence along the B-1 culvert modification.
- December 8, 2011: Collected step-out confirmation soil samples at AP/STP-1C-2.
- December 9, 2011: Conducted weekly ISRA SWPPP inspections at 2009, 2010, and 2011 ISRA areas, per the ISRA SWPPP.

- December 9, 2011: Reviewed confirmation sample results for ISRA area AP/STP-1E-2 with RWQCB and DTSC, and received RWQCB and DTSC concurrence on additional excavation plan.
- December 9, 2011: Reviewed waste characterization sample results collected at ISRA area AP/STP-1C-1 to confirm and/or delineate the extent of soils with radionuclides above preliminary EPA trigger levels with RWQCB and DTSC. An agreement was reached as to the extent of soils with radionuclides potentially above the preliminary EPA trigger levels and other soils within AP/STP-1C-1 will be disposed of without radiological restrictions.
- December 12, 2011: Conducted rain event Performance Monitoring and BMP monitoring activities.
- December 13, 2011: Conducted post-rain ISRA SWPPP inspections at 2009, 2010, and 2011 ISRA areas, per ISRA SWPPP.
- December 14, 2011: Submitted electronically the ISRA SWPPP Revision 3 to the RWQCB's Stormwater Multi-Application Report Tracking System (SMARTS).

30-Day Look ahead – through January 17, 2012

- Boeing/NASA – Continue inspections of erosion control BMPs at the 2009, 2010, and 2011 ISRA areas, per the ISRA SWPPP.
- Boeing/NASA – Continue Performance Monitoring and BMP Monitoring during rain events, per the 2011-2012 Rainy Season SAP.
- Boeing – Continue discussions with SCE associated with construction of the treatment BMP in the Lower Parking Lot Soil Stockpile area and submit revised grading permit application.
- NASA/Expert Panel – Continue planning activities for the BMPs at the Helipad and ELV near the corner of Helipad Road and Area 2 Road.
- Boeing/NASA – Conduct additional excavation and offsite disposal of soil from remaining AP/STP ISRA areas.
- Boeing/NASA – Review confirmation sampling plans for additional excavation at AP/STP ISRA areas with RWQCB and DTSC, collect confirmation samples, and review confirmation sample results with RWQCB and DTSC.
- Boeing/NASA – Complete restoration activities for ISRA areas AP/STP-1E-1, AP/STP-1E-2, and AP/STP-1E-3.



Thomas D. Gallacher
Director, Santa Susana
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

Kucinkas, Joyce A

From: losangeles losangeles [losangeles@waterboards.ca.gov]
Sent: Thursday, December 22, 2011 10:39 AM
To: Kucinkas, Joyce A
Subject: Re: Fourth Quarter Progress Report , Santa Susana Field Laboratory (Received: Electronic Submission.)

The Los Angeles Regional Water Quality Control Board received your electronic submission.

Thank you.