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

Certified Mail

December 22, 2009 In reply refer to SHEA-109457



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

Attention: Mr. Peter Raftery

 Subject: December 23, 2009 Quarterly Progress Report for September 10 through December 18, 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 fourth quarter 2009. This report summarizes ISRA activities performed during the period of September 10 through December 18, 2009.

ISRA activities at the 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 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 the period of September 10 through December 18, 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.

Mr. P. Raftery, RWQCB (SHEA-109457) December 22, 2009 Page 2

At the December 10, 2009 RWQCB monthly meeting, Boeing, NASA and the Expert Panel provided a ISRA progress presentation to the Regional Board. These presentations are also attached and will be posted on the ISRA website.

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

Sincerely,

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lan 1an Tom Gallacher

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

#### LNB:bjc

Attachments:

- 1. November 2009 Monthly Progress Report (September 10 October 15, 2009)
- 2. December 2009 Monthly Progress Report (October 15 November 16, 2009)
- 3. January 2010 Monthly Progress Report (November 17 December 18, 2009)
- 4. Boeing December 10 ISRA Progress Report Presentation
- 5. NASA December 10 ISRA Progress Report Presentation

6. Expert Panel December 10 ISRA Progress Report Presentation

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 Mr. James Pappas, DTSC Mr. Gerard Abrams, DTSC Mr. Paul Carpenter, DTSC w/attachment w/attachment w/attachment w/attachment w/out attachment w/out attachment w/out attachment w/out attachment w/out attachment



The Boeing Company

5800 Woolsey Canyon Road Canoga Park, CA 91304-1148

Date:	10/21/2009	No.:	SHEA-109239
То:	Tracy Egoscue Executive Office LA Regional Water Quality Control Board	From:	Tom Gallacher Director, Santa Susana Field Laboratory Environment, Health & Safety

Subject: November 2009 Monthly Progress Report for September 10 - October 15, 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 September 10, 2009 to October 15, 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 RWQCB staff, DTSC staff, Ventura County staff, Surface Water Expert Panel Members, Boeing, and NASA. For the period from September to early October, the primary activity has been the continuation of excavation and confirmation soil sampling at Outfall 008, and discussing confirmation soil sampling results with the RWQCB and DTSC. A management plan for Outfall 008 ISRA HVS-2A soil collapse feature and pipeline removal was submitted to and approved by the RWQCB, and implemented. A management plan for the underground septic tank within Outfall 008 ISRA HVS-3 was submitted to RWQCB and DTSC. A management plan for Outfall 009 ISRA ELV soils containing cesium-137 above background concentrations was submitted to and approved with conditions by the RWQCB, comments were received from DTSC, and the California Department of Public Health (CDPH) concurred with the disposal designation. A request for the addition of ISRA Areas A2LF-1 and A2LF-3 to the 2009 implementation within Outfall 009 was submitted to and commented on by the RWQCB, and a response to comments has been submitted. Additional characterization samples of potential Outfall 008 ISRA Area borrow soils located east of Outfall 008 ISRA HVS-2A were collected. Rain preparation activities and surface water sampling per the SWPPP was performed. 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. The Surface Water Expert Panel has identified 3 areas within the Outfall 008 drainage as potential locations for bioswales, which are a type of natural treatment system.

### Completed Tasks - September 10, 2009 to October 15, 2009

• September 10 – October 14, 2009 – Completed planned excavations and collected confirmation samples from the 9 ISRA Areas within Outfall 008 planned for 2009 implementation. Based on confirmation sample results compared to ISRA soil remediation goals (SRGs), additional excavation and confirmation sampling in Outfall 008 was/will be performed at ISRA Areas HVS-2A, HVS-2B-1, and HVS-3. In total, ~4,000 cy of soil have been excavated, ~110 confirmation samples collected, and ~260 truckloads delivered to offsite disposal facility. RWQCB has collected at least one split sample from each of the Outfall 008 ISRA Areas except DRG-1.

- September 10, 2009 Held teleconference with the RWQCB and DTSC to discuss the Outfall 009 waste characterization radiological results and the planned management of the material.
- September 10, 2009 Conducted SWPPP inspection.
- September 11, 2009 Confirmed northern terminus of soil collapse pipeline by trenching.
- September 11, 2009 Submitted plan to dispose of Outfall 009 ISRA ELV soils containing cesium-137 above background concentrations at a Class 1 or 2 hazardous waste landfill to CDPH.
- September 18, 2009 Submitted request to add ISRA Areas A2LF-1 and A2LF-3 to the 2009 implementation within Outfall 009 to RWQCB.
- September 18, 2009 Opened, visually inspected, and sampled liquid from the underground septic tank within Outfall 008 ISRA HVS-3.
- September 21, 2009 Submitted the Outfall 008 HVS-2A soil collapse feature and pipeline management plan letter amendment to the Final ISRA Work Plan to RWQCB and DTSC.
- September 22- Informed RWQCB and DTSC of the discovery of inert metal shards from historical projectile tests within Outfall 008 ISRA Area HVS-2A. The scrap metal will be recycled following procedures established by the site's outside ordinance expert.
- September 24, 2009 Received letter from CDPH providing concurrence with the plan to dispose Outfall 009 ISRA ELV soils containing cesium-137 above background concentrations at a Class 1 or 2 hazardous waste landfill.
- September 24, 2009 Submitted management plan for Outfall 009 ISRA ELV soils containing cesium-137 above background concentrations to the RWQCB.
- September 24, 2009 Conducted SWPPP inspection.
- September 25, 2009 Removed surficial soil in the vicinity of the underground septic tank within the Outfall 008 ISRA HVS-3.
- September 25, 2009 Verified condition of pre-construction BMPs at the Outfall 009 ISRA ELV areas.
- September 25, 2009 Held teleconference with the RWQCB and DTSC to discuss the Outfall 008 confirmation sampling results.
- September 29, 2009 Performed pre-field biological survey at the Outfall 009 ISRA Areas A2LF-1 and A2LF-3.
- September 29, 2009 Conducted pre-fieldwork site walk of 2009 Outfall 009 ISRA Areas with RWQCB and DTSC.
- September 29, 2009 Received approval from the RWQCB and DTSC on the HVS-2A Soil Collapse Feature and Pipeline Letter Amendment to the Final ISRA Work Plan.
- September 30, 2009 Received conditional approval letter from RWQCB on the management plan for Outfall 009 ISRA ELV soils containing cesium-137 above background concentrations.
- September 30, 2009 Collected additional characterization samples of potential Outfall 008 ISRA Area borrow soils located east of HVS-2A.

- October 1, 2009 Received comments from DTSC on the management plan for Outfall 009 ISRA ELV soils containing cesium-137 above background concentrations.
- October 2 6, 2009 Conducted Outfall 008 HVS-2A soil collapse feature excavation, pipeline removal, and confirmation sampling.
- October 5, 2009 Held teleconference with the RWQCB and DTSC to discuss the Outfall 008 confirmation sampling results.
- October 5, 2009 Ventura County performed a site walk to observe Outfall 008 excavation areas and potential Outfall 008 ISRA Area borrow soils located east of HVS-2A.
- October 5, 2009 Performed utilities survey at the Outfall 009 ISRA Areas A2LF-1 and A2LF-3.
- October 8, 2009 Conducted SWPPP inspection.
- October 9, 2009 Submitted management plan for the Outfall 008 underground septic tank to RWQCB and DTSC.
- October 12, 2009 Boeing / NASA Received hardcopy approval of waste profiles with landfills for excavated soil from 2009 ISRA Outfall 009 ELV areas.
- October 12, 2009 Conducted SWPPP inspection and covered all Outfall 008 excavations and portions of the Outfall 009 ELV soils with plastic in preparation for rain.
- October 12, 2009 Held teleconference with the RWQCB and DTSC to discuss the Outfall 008 confirmation sampling results.
- October 13, 2009 Submitted Biological Report for Outfall 009 to the RWQCB.
- October 13, 2009 Conducted SWPPP inspection and collected surface water samples per the SWPPP downgradient of Outfall 008 ISRA Areas HVS-2B-2 and HVS-2C.
- October 14, 2009 Conducted SWPPP inspection
- October 14, 2009 Submitted a response to RWQCB comments on the request to add ISRA Areas A2LF-1 and A2LF-3 to the 2009 implementation within Outfall 009.
- October 15, 2009 Surface Water Expert Panel staff Onsite to assess 3 areas as bioswales in Outfall 008, review additional areas within Outfall 009 for containerized plant installation.

#### <u>30-Day Look ahead – through November 15, 2009</u>

- Boeing Present ISRA Progress Presentation to the Surface Water Expert Panel
- Surface Water Expert Panel Develop Outfall 008 bioswale implementation plan and containerized plant installation plan for ISRA Outfall 008 area and select locations within Outfall 009.
- Boeing Begin installation of Outfall 008 bioswales upon design completion.
- Boeing Complete planned 2009 ISRA field work within Outfall 008 and finalize confirmation sample results with the RWQCB and DTSC.
- Ventura County Inspect Outfall 008 completed excavations.

- Boeing Conduct aerial topographic survey of Outfall 008 completed excavations, recontour Outfall 008 ISRA sites, and conduct aerial topographic survey of Outfall 008 re-contoured excavations.
- Boeing Based upon approved confirmation sample results for the completed 2009 ISRA Outfall 008 areas, begin implementation of the Surface Water Expert Panel recommendations for containerized plantings and initiate restoration activities within these ISRA areas.
- Boeing Upon receipt of approval to proceed, perform vegetation clearance and install preconstruction BMPs at the Outfall 009 ISRA Areas A2LF-1 and A2LF-3.
- Boeing / NASA When authorized Begin planned 2009 ISRA field work within Outfall 009.
- 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:

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



The Boeing Company

5800 Woolsey Canyon Road Canoga Park, CA 91304-1148

Date:	11/19/2009	No.:	SHEA-109350
To:	Tracy Egoscue Executive Office LA Regional Water Quality Control Board	From:	Tom Gallacher Director, Santa Susana Field Laboratory Environment, Health & Safety

Subject: December 2009 Monthly Progress Report for October 15 - November 16, 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 October 15, 2009 to November 16, 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 RWQCB staff, DTSC staff, Ventura County staff, Surface Water Expert Panel Members, Boeing, and NASA. For the period from mid-October to mid-November, the primary activities have been the completion of additional excavation and confirmation soil sampling at Outfall 008, discussing Outfall 008 confirmation soil sampling results with the RWQCB and DTSC, and the completion of planned excavation and confirmation soil sampling at Outfall 009 A2LF areas. The removal plan for the underground septic tank within Outfall 008 ISRA Area HVS-3 was approved by RWQCB, a tank removal permit was issued by Ventura County, and the septic tank removal plan was implemented. Additional characterization samples of potential Outfall 008 ISRA Area borrow soils located east of Outfall 008 ISRA Area HVS-2A were collected. 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. Natural best management practices (BMPs) consisting of containerized plants and natural brush wattles were installed in nine locations identified by the Surface Water Expert Panel within the Outfall 008 drainage. Attached are a few progress photographs of the work that has been performed in both the Outfall 008 and 009 ISRA Areas.

## Completed Tasks – October 15, 2009 to November 16, 2009

- October 15 19, 2009 Completed additional excavation and collected confirmation samples from ISRA Areas within Outfall 008. Based on confirmation sample results compared to ISRA soil remediation goals (SRGs), additional excavation and confirmation sampling in Outfall 008 was performed at ISRA Areas HVS-2A, HVS-2B-1, and HVS-3. In total, ~4,400 cy of soil has been excavated, ~120 confirmation samples collected, and ~290 truckloads of excavated soil delivered to the offsite disposal facility. RWQCB has collected at least one split sample from each of the Outfall 008 ISRA Areas except DRG-1.
- October 21, 2009 Removed liquids from underground septic tank located within Outfall 008 ISRA Area HVS-3, no solids/sludge were present.

## T. Egoscue, RWQCB (SHEA-109350) November 19, 2009 Page 2

- October 23, 2009 Received a follow-up letter from California Department of Public Health (CDPH) clarifying CDPH's role in the management of radiological contaminants in California. The letter states CDPH provides consulting services and subject matter expertise to interested state agencies in the disposal of radiological contaminants in California, but DTSC is the state agency solely entrusted with permitting landfills and the disposal of hazardous materials, including radiological contaminants.
- October 26, 2009 Present ISRA Progress Presentation to the Surface Water Expert Panel.
- October 27, 2009 Collected additional characterization samples of potential Outfall 008 ISRA Area borrow soils located east of HVS-2A.
- October 28, 2009 Received approval from the RWQCB for the removal plan for the underground septic tank located within Outfall 008 ISRA Area HVS-3.
- October 29, 2009 Removed septic tank at HVS-3 and collected confirmation samples; RWQCB collected a split sample.
- November 4, 2009 Received verbal notice from Ventura County that Outfall 008 completed excavations do not require inspection, as long as an aerial survey documenting excavation extents is performed.
- November 4, 2009 Received approval from RWQCB and DTSC of the Work Plan Amendment for inclusion of Outfall 009 ISRA Areas A2LF-1 and A2LF-3.
- November 4, 2009 Reviewed confirmation sampling plan for Outfall 009 ISRA Areas A2LF-1 and A2LF-3 with RWQCB and DTSC.
- November 4 5, 2009 Installed Natural BMPs consisting of approx. 850 containerized plants and natural brush wattles in 9 locations identified by the Surface Water Expert Panel within the Outfall 008 drainage.
- November 5 6, 2009 Performed vegetation clearance and installed pre-construction BMPs at Outfall 009 ISRA Areas A2LF-1 and A2LF-3.
- November 6 16, 2009 Completed planned excavations and collected confirmation samples from Outfall 009 ISRA Areas A2LF-1 and A2LF-3. In total, ~180 cy of soil have been excavated and placed into 9 roll-off bins, and 7 confirmation samples have been collected. The RWQCB has collected 7 split samples at these two locations.
- November 11, 2009 Ventura County closed the Septic Tank Removal permit since the tank removal has been completed.
- November 13, 2009 Conducted aerial topographic survey of Outfall 008 completed excavations.

## <u>30-Day Look ahead – through December 16, 2009</u>

- Boeing –Re-contour Outfall 008 ISRA areas, and conduct aerial topographic survey of Outfall 008 re-contoured excavations.
- Boeing In completed re-contoured Outfall 008 ISRA areas: install erosion control BMPs and hydroseed/mulch, implement Expert Panel recommendations for containerized plantings.

### T. Egoscue, RWQCB (SHEA-109350) November 19, 2009 Page 3

- Boeing Install irrigation systems for planted Natural BMPs at Outfall 008.
- NASA / Boeing Begin offsite disposal of Outfall 009 A2LF soils.
- NASA / Boeing Review A2LF-1 and A2LF-3 confirmation sample results with RWQCB.
- NASA / Boeing Conduct Outfall 009 site restoration at A2LF locations, following approval of confirmation sampling results by RWQCB and DTSC and conducting aerial topographic survey completed excavations.
- Boeing / NASA Finalize Performance Monitoring Plan for surface water sampling at Outfalls 008 and 009, and submit to RWQCB.
- Boeing / NASA / Surface Water Expert Panel Present ISRA Progress Presentation at December 10, 2009 RWQCB meeting.
- Boeing / NASA Plan additional data gap and source delineation sampling within Outfall 009 to identify 2010 ISRA areas, and prepare work plan addendum.

Approved By:

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

LNB:bjc Attachment: ISRA Outfall 008 and Outfall 009 Progress photos

Distribution:

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

# Interim Source Removal Action Outfall 008 Progress Photos



Excavation at Outfall 008 ISRA Area HVS-2A



Post Excavation at Outfall 008 ISRA Area HVS-2A

Natural Best Management Practices Installation Per Recommendations by Surface Water Expert Panel



Installation of Natural BMPs [Native plants] Outfall 008



Completed installation of Natural BMPs Outfall 008

# Interim Source Removal Action Outfall 009 Progress Photos



Removal of Soil from NASA ISRA Area A2LF-1



Excavation of NASA ISRA Area A2LF-3

BOEING

The Boeing Company

5800 Woolsey Canyon Road Canoga Park, CA 91304-1148

Date: 12

12/22/09

No.:

SHEA-109459

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

Tom Gallacher Director,Santa Susana Environmental, Health & Safety

Subject: January 2010 Monthly Progress Report for November 17 - December 18, 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 November 17, 2009 to December 18, 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 RWQCB staff, DTSC staff, Ventura County staff, Surface Water Expert Panel Members, Boeing, and NASA. For the period from mid-November to mid-December, the primary activities have been the receipt of agency concurrence of completion at the 2009 ISRAs within Outfall 008 and 009, agency acceptance of the local Outfall 008 soil borrow area for use as backfill at Outfall 008 ISRAs, the completion of restoration at Outfall 008 ISRAs and Outfall 009 ISRA A2LF-1, and the implementation of performance monitoring at completed ISRAs. 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. Natural best management practices (BMPs) technical memorandum prepared by the Surface Water Expert Panel was submitted to the RWQCB. On December 10, 2009, Boeing, NASA and the Expert Panel provided 2009 ISRA progress presentations at the LA Regional Water Quality Control Board monthly meeting. These presentations will be included in the 4<sup>th</sup> Quarter ISRA progress report as well as posted on the ISRA website.

## Completed Tasks - November 17, 2009 to December 18, 2009

- November 17 December 18, 2009 Conducted SWPPP inspections per the SWPPP.
- November 17, 2009 Submitted the Expert Panel technical memorandum on Natural BMPs to RWQCB.
- November 19, 2009 Reviewed confirmation sample results for Outfall 008 ISRA Areas HVS-1, HVS-2A, HVS-2B-1, HVS-2D, and HVS-4 with RWQCB and DTSC; Agencies concurred that ISRA activities at these areas were complete and restoration could begin.
- November 19, 2009 Reviewed sample results for local soil borrow area within Outfall 008 with RWQCB and DTSC; Agencies concurred that the soil borrow area is acceptable for use as backfill in Outfall 008 ISRA Areas.

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- November 20 December 4, 2009 Completed re-contouring and site restoration at Outfall 008 ISRA areas, including installation of erosion control BMPs and hydroseed/mulch.
- November 23, 2009 Reviewed confirmation sample results for Outfall 008 ISRA Areas CYN-1 and HVS-3 with RWQCB; RWQCB concurred that ISRA activities at these areas were complete and restoration could begin.
- November 23, 2009 Reviewed confirmation sample results for Outfall 009 ISRA Area A2LF-1 with RWQCB; RWQCB provided verbal approval that ISRA activities at A2LF-1 were complete and restoration could begin.
- November 25, 2009 Completed re-contouring and site restoration at Outfall 009 ISRA area A2LF-1, including installation of erosion control BMPs and hydroseed/mulch.
- November 30, 2009 Completed offsite disposal of waste soils from Outfall 008 ISRA Areas.
- December 3, 2009 Reviewed confirmation sample results for Outfall 009 ISRA Area A2LF-3 with RWQCB and DTSC; Agencies concurred that ISRA activities at this area were complete and restoration could begin. In addition, the November 23rd results for A2LF-1 were reviewed by RWQCB and DTSC. Both Agencies concurred that the ISRA activities at this area are complete.
- December 4, 2009 Completed restoration of Outfall 008 ISRA Areas, including recontouring and hydroseeding. Installed plastic HDPE tarp over A2LF-3 culvert maintenance activities prior to December 7, 2008 rain event.. Culvert Maintenance and headwall installation will be performed pending rain events.
- December 6 14, 2009 Conducted Performance Monitoring inspections and collected surface water samples per the draft Performance Monitoring Plan.
- December 10, 2009 Boeing, NASA, and Surface Water Expert Panel present ISRA Progress summary at RWQCB meeting.
- December 11, 2009 Collected a surface water sample down-gradient of Outfall 009 ISRA Area A2LF-3 per the SWPPP.
- December 18, 2009 Conducted aerial topographic survey of Outfall 008 completed excavations.

### 30-Day Look ahead - through January 17, 2010

- Boeing In completed re-contoured Outfall 008 ISRA Areas: Implement Expert Panel recommendations for containerized plantings. In addition, implement Expert Panel recommendations for containerized plantings at the Outfall 009 locations, including culverts and bank stabilization in the northern drainage.
- Boeing Install irrigation systems for planted Natural BMPs at Outfall 008.
- Boeing Close-out the Ventura County Grading Permit for Outfall 008 ISRA Areas.
- NASA / Boeing Begin offsite disposal of Outfall 009 A2LF soils.
- NASA / Boeing Complete culvert maintenance at Outfall 009 ISRA Area A2LF-3.
- Boeing / NASA Finalize Performance Monitoring Plan for surface water sampling at Outfalls 008 and 009, and submit to RWQCB.

- Boeing / NASA Continue performing SWPPP inspections per the SWPPP and Performance Monitoring inspections and sampling per the Performance Monitoring Plan.
- Boeing / NASA Plan and perform additional data gap and source delineation sampling within Outfall 009 to identify 2010 ISRA areas, prepare work plan addendum and review project specific permits.
- Develop 2010 ISRA Implementation Schedule.

Approved By:

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

LNB:bjc

Distribution: Peter Raftery, RWQCB Cassandra Owens, RWQCB Buck King, DTSC Allen Elliott, NASA Steven Slaten, NASA