



Via Email to losangeles@waterboards.ca.gov

February 15, 2017

In reply refer to SHEA-115637

Information Technology Unit
Regional Water Quality Control Board, Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Subject: Fourth Quarter 2016 NPDES Discharge Monitoring Report
Compliance File CI-6027 and NPDES No. CA0001309
Santa Susana Field Laboratory
Ventura County, California

The Boeing Company (Boeing) hereby submits this Discharge Monitoring Report (DMR) for the Santa Susana Field Laboratory (Santa Susana Site) for the period of 1 October through 31 December 2016 (Fourth Quarter 2016). This DMR was prepared as required by and in accordance with National Pollutant Discharge Elimination System (NPDES) Permit No. CA0001309 (Permit) (California Regional Water Quality Control Board, Los Angeles Region [Regional Board], 2015) and under regulatory oversight of the Regional Board.

Hard copies of this DMR are available to the public at California State University at Northridge Library; Simi Valley Library; and the Platt Branch of the Los Angeles Library. An electronic version of this DMR is located at:

<http://www.boeing.com/principles/environment/santa-susana/monitoring-reports.page>

FOURTH QUARTER 2016 DMR CONTENTS

This DMR includes the following sections and appendices:

- **Discharge Summary:** This section describes the number of rain events, number of samples collected, sample dates, and sample locations during Fourth Quarter 2016. Table I summarizes the Fourth Quarter 2016 sampling record by outfall, location, and sample type collected per the requirements of the NPDES Permit.
- **Fourth Quarter 2016 Summary of Compliance:** This section summarizes the sample results that exceeded NPDES Permit limits in Fourth Quarter 2016.
- **Fourth Quarter 2016 Santa Susana Site Stormwater Pollution Prevention Plan (SWPPP)/Best Management Practices (BMP) Activities:** This section presents the Santa Susana Site SWPPP activities and BMPs related to demolition, Interim Source Removal Actions (ISRA), the BMP Plan, Northern Drainage, and other activities implemented in Fourth Quarter 2016. Table III summarizes specific BMP activities by outfall location.
- **Data Validation and Quality Control:** This section discusses data validation results and any laboratory or field corrective actions.
- **Figure 1** shows the stormwater collection conveyance system and site features and **Figure 2** shows the Arroyo Simi – Frontier Park (RSW-002) sampling location.



- **Appendix A** summarizes measured Fourth Quarter 2016 precipitation at the Santa Susana Site.
- **Appendix B** tabulates waste shipment details.
- **Appendix C** presents chemical analytical results of Fourth Quarter 2016 stormwater and/or receiving water samples in tabular form by outfall location, constituents evaluated (analytes), sample dates, and data validation qualifiers.
- **Appendix D** summarizes the NPDES Permit limit exceedances.
- **Appendix E** contains copies of laboratory analytical reports, chain of custody forms, and data validation reports.
- **Appendix F** tabulates the Reasonable Potential Analysis (RPA).

DISCHARGE SUMMARY

The Santa Susana Site experienced seven qualifying rain events that produced greater than 0.1 inch of rainfall within a 24-hour period and were preceded by at least 72 hours of dry weather during Fourth Quarter 2016 (Appendix A). Automated flow-weighted composite samplers (autosamplers) were set in preparation for all rain events. One of the seven qualifying rain events produced stormwater discharges. Onsite stormwater samples were collected at Outfall 009.

One quarterly offsite receiving water sample was collected at the Arroyo Simi–Frontier Park location in Simi Valley (RSW 002; see Figure 2).

Table I summarizes the Fourth Quarter 2016 sampling record by outfall, location and sample type collected, per NPDES Permit requirements.

TABLE I: Sampling Record during Fourth Quarter 2016

Date	Outfall/Location	Sample Frequency	Sample Type
12/24-12/25/16	Outfall 009	Semiannual, Routine	Grab, Composite
12/24/2016	Arroyo Simi Frontier Park (RSW-002)	Quarterly	Grab

The samples were submitted to and analyzed by TestAmerica Laboratories, Inc., a California-certified analytical laboratory in Irvine, per the NPDES Permit requirements.

FOURTH QUARTER 2016 ARROYO SIMI OBSERVATIONS

The receiving water location at Arroyo Simi sample location RSW-002 in Simi Valley was observed in Fourth Quarter 2016 for the following:

TABLE II: Fourth Quarter 2016 Arroyo Simi Observations

Arroyo Simi Observations	Fourth Quarter 2016
Weather conditions	Cold, sunny, breezy
Color of water	Muddy, brown, murky
Appearance of oil films or grease, or floatable materials	None
Extent of visible turbidity or color patches	Murky brown
Description of odor, if any	None
Presence or activity of California Least Tern or California Brown Pelican	None



FOURTH QUARTER 2016 SUMMARY OF COMPLIANCE

No exceedances of Permit Limits occurred from the Santa Susana Site during Fourth Quarter 2016. Additionally, in the quarterly sample collected at Arroyo Simi sample location RSW-002 in Simi Valley, no constituents exceeded receiving water limits. All Fourth Quarter 2016 samples were therefore in full compliance with the NPDES Permit.

FOURTH QUARTER 2016 SANTA SUSANA SITE SWPPP/BMP ACTIVITIES

Boeing implemented significant SWPPP- and BMP-related activities to assist in improving stormwater quality and compliance at the Santa Susana Site. Table III summarizes the activities that were completed during Fourth Quarter 2016 by outfall. In addition to SWPPP-related activities, specific BMP projects included: demolition-related BMPs; Outfall 008/009 ISRA BMPs; BMP Plan-related BMPs; and Northern Drainage BMPs.

TABLE III: Boeing's Fourth Quarter 2016 BMP Activities

OUTFALL (Location)	BMP ACTIVITIES DURING FOURTH QUARTER 2016
001 (South Slope)	Conducted erosion, sediment control, and drainage stabilization inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Inspected outfall and flume for sediment/debris. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area and performed weed abatement as needed. Reset flow meter and replaced tape on a monthly basis.
002 (South Slope)	Conducted erosion, sediment control, and drainage stabilization inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Inspected outfall and flume for sediment/debris. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area and performed weed abatement as needed. Reset flow meter and replaced tape on a monthly basis. Added auxiliary lighting as a Health & Safety improvement.
003 (Radioactive Material Handling Facility)	Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Inspected outfall and flume for sediment/debris. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area and performed weed abatement as needed. Reset flow meter and replaced tape on a monthly basis. Conducted maintenance inspections of structural BMPs, including the flow-through structure and stormwater conveyance and retention systems.
004 (Sodium Reactor Experiment Area)	Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Inspected the outfall and flume for sediment/debris. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area and performed weed abatement as needed. Reset flow meter and replaced tape on a monthly basis. Conducted maintenance inspections of the structural BMPs, including the flow-through structure and stormwater conveyance system.



OUTFALL (Location)	BMP ACTIVITIES DURING FOURTH QUARTER 2016
005 (Sodium Burn Pit 1)	Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Inspected the outfall for sediment/debris. Checked sample box for the presence of debris and/or animals. Cleaned sample box and the outfall area and performed weed abatement as needed. Conducted maintenance inspections of the stormwater conveyance and retention systems.
006 (Sodium Burn Pit 2)	Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Inspected outfall and flume for sediment/debris. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area and performed weed abatement as needed. Reset flow meter and replaced tape on a monthly basis. Conducted maintenance inspections of the structural BMPs, including the flow-through structure and stormwater conveyance system.
007 (Building 100)	Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Inspected the outfall for sediment/debris. Checked sample box for the presence of debris and/or animals. Cleaned sample box and the outfall area and performed weed abatement as needed. Conducted maintenance inspections of the stormwater conveyance and retention systems.
008 (Happy Valley)	Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Inspected the outfall and flume for sediment/debris. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area and performed weed abatement as needed. Reset flow meter and replaced tape on a monthly basis.
009 (WS-13 Drainage)	<p>Outfall BMPs: Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Inspected outfall and flume for sediment/debris. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area and performed weed abatement as needed. Reset flow meter and replaced tape on a monthly basis.</p> <p>Restoration, Monitoring and Mitigation Plan (RMMP) BMPs: Performed a quarterly biological monitoring inspection on 21 November 2016.</p> <p>Lower Lot BMP (Biofilter): Inspected sedimentation basin, biofilter, and cistern areas. Removed debris from percolation holes in the concrete ring. Removed sediment from rip rap check dam near Area II Road walkway to lower lot. Repaired crack in the gunite at the base of the wooden retaining wall.</p> <p>Former Building 1436 (B1436) Detention Bioswales: Performed maintenance inspection of bioswale surface area, including hydroseeded area and fiber rolls. Replaced straw wattles and removed sediment buildup from inlets.</p> <p>B-1 Area: Performed maintenance inspection of BMPs along slope and within drainage.</p> <p>Culvert Modifications: Performed maintenance inspection of BMPs. Cleaned culvert inlets and rip rap check dams of debris prior to and after rain events. Repaired grout to seal the HDPE pipe to the head wall at CM-1, CM-6 and CM-11. Installed jute mat and rip rap BMPs on hillside at CM-6. Replaced weir board filter fabric at CM-8 and CM-11. Repaired undercut with rip rap and installed curbs and rip rap to direct and decrease water velocity at the CM-9 western inlet.</p>



OUTFALL (Location)	BMP ACTIVITIES DURING FOURTH QUARTER 2016
010 (Building 203)	Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Inspected the outfall and flume for sediment/debris. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area and performed weed abatement as needed. Reset flow meter and replaced tape on a monthly basis. Conducted maintenance inspections of structural BMPs, including the flow-through structure and stormwater conveyance and retention systems.
011 (Perimeter Pond)	Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Inspected outfall and weir for sediment/debris. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area and performed weed abatement as needed. Reset flow meter and replaced tape on a monthly basis. Conducted maintenance inspections of structural BMPs, including the flow-through structure and stormwater conveyance system.
018 (R-2 Pond Spillway)	Conducted erosion and sediment control inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation. Inspected outfall and flume for sediment/debris. Checked sample box and flow meter control box for the presence of debris and/or animals. Cleaned sample box and the outfall area and performed weed abatement as needed. Reset flow meter and replaced tape on a monthly basis. Conducted maintenance inspections of the structural BMPs, including the flow-through structure and conveyance system.
019 (Area I Groundwater Extraction and Treatment [GET] System)	The GET system has not been in operation since April 2013 and no pumping or discharge has occurred. Therefore, no NPDES sampling was performed in Fourth Quarter 2016 at the Area I GET System. Conducted maintenance inspections of the structural BMPs.
RSW-002 (Arroyo Simi – Frontier Park)	Collected the quarterly receiving water sample at the Arroyo Simi – Frontier Park location.

OTHER BMP ACTIVITIES

BMP observations and maintenance inspections were conducted in conformance with the Site-Wide SWPPP at and around the former active test stands Alfa and Bravo, and former Advanced Propulsion Test Facility (APTF).

NASA-RELATED ACTIVITIES

Demolition activities covered by NASA's Construction SWPPP (dated 16 March 2016) are inspected in accordance with the Construction General Permit (CGP). During the Fourth Quarter 2016, NASA performed planned demolition activities in the Sewage Treatment Plant and Alfa Bravo Fuel Farm areas. NASA placed wattles as linear sediment controls, installed silt fencing, and placed rip rap as an erosion control measure, where needed, and hydroseeded areas within these sites where construction activities had been completed.



Stormwater control activities covered by NASA's Construction SWPPP (dated 7 July 2016) were completed during the Fourth Quarter 2016. NASA removed approximately 2 acres of impervious concrete and asphalt surfaces with the Service Area. BMPs including sandbags, wattles, rip rap, and hydroseed were placed in the area. The NOT for this SWPPP was submitted on 7 December 2016 and subsequently approved by the SWRCB.

Additionally, during the Fourth Quarter 2016, NASA inspected temporary BMPs (sand bags and wattles) at Liquid Oxygen Plant (LOX) ISRA areas and discharge points to Northern Drainage, and inspected ELV BMP storage tanks for rainy season preparation.

DOE-RELATED ACTIVITIES

During Fourth Quarter 2016, perimeter fiber rolls were maintained around drill rig pads and areas around wells DD-141 (located near the Building 56 Landfill) and DD-143 (in the Outfall 003 watershed) were hydroseeded.

SITE-WIDE WORKPLAN AND ANNUAL REPORT

The Expert Panel submitted a Site-Wide Stormwater Work Plan and 2014/15 Annual Report (2015 Work Plan) in September 2015 (Geosyntec and the Expert Panel, 2015a) on behalf of Boeing to meet the requirements of the NPDES Permit (Order No. R4-2015-0033)¹. The 2015 Work Plan is applicable to all outfalls and presents the NPDES monitoring results and BMP-related activities to be performed and reported on a yearly basis. In addition, the 2015 Work Plan carried over the maintenance and monitoring of BMPs originally recommended in the 2010 BMP Plan for the Outfall 008 and 009 Watersheds (MWH *et al.*, 2010) and BMP Plan Addenda (Geosyntec and the Expert Panel, 2011; Geosyntec and the Expert Panel, 2012; Geosyntec and the Expert Panel, 2013; and Geosyntec and the Expert Panel, 2014), as well as those reported in the ISRA Performance Monitoring and BMP Monitoring Reports for Outfalls 008 and 009 Watersheds submitted to the Regional Board for each rainy season from 2010 through 2015 (MWH, 2010; MWH *et al.*, 2011; MWH *et al.*, 2012; MWH *et al.*, 2013; MWH *et al.*, 2014, and MWH *et al.*, 2015).

The 2015 Work Plan is designed to assess the effectiveness of BMPs/treatment control implementation measures based on surface water samples collected at outfalls and supplemented by monitoring data. Incorporated into the 2015 Work Plan is a memorandum Geosyntec Consultants developed for Boeing and the Surface Water Expert Panel summarizing the evaluation of stormwater BMP opportunities along the Service Area Road. Subsequent to Geosyntec's memorandum, Boeing conducted surveys along Service Area Road and completed additional design iterations to support diverting surface flow from the roadway to existing culvert modifications and maximize the capture area. BMP implementation is anticipated for early 2017 (Geosyntec and the Expert Panel, 2015b). The 2015 Work Plan also includes recommended non-industrial sources special studies, intended to help identify sources of lead and dioxins within the Outfall 009 watershed. The special studies involve vacuum sampling of pavement solids, pan sampling of atmospheric deposition solids, soil sampling around treated wood poles, and sediment and stormwater sampling at multiple locations along the Northern Drainage. A subset of sampling for the various studies was conducted in the Fourth Quarter 2016. As outlined in the 2015 Work Plan, the 2015/2016 Annual Report was submitted to the RWQCB in October 2016 (Geosyntec and the Expert Panel, 2016).

¹ Available at: <http://www.boeing.com/principles/environment/santa-susana/permits.page>



OUTFALL 008/009 ISRA AND BMP PLAN-RELATED ACTIVITIES

The BMP activities discussed below were performed, commenced, or completed during Fourth Quarter 2016 in coordination with the Expert Panel.

Former Building 1436 Detention Bioswales

Two detention bioswales were constructed at the former B1436 following its removal in Third Quarter 2014. The graded surface was hydroseeded and more than 2,900 native plantings were installed in December 2014. The bioswales were designed to capture, pretreat and detain runoff from the adjacent parking lot and from approximately 13.9 acres of drainage area east and upgradient, prior to releasing this stormwater to the former Instrument and Equipment Laboratories (IEL) storm drain where flow is diverted to the lower lot biofilter for treatment. Fourth Quarter 2016 activities included inspections of the bioswales and hydroseeded areas.

Lower Lot Biofilter

The lower lot biofilter is a stormwater treatment BMP designed and built to capture, convey, and treat stormwater runoff from the lower parking lot and former IEL watershed. The lower lot biofilter consists of a 30,000-gallon cistern, a stormwater conveyance line, a sedimentation basin, and a media biofilter. Construction activities were completed on March 15, 2013; a Regional Board and public tour of the completed biofilter was conducted on March 20, 2013.

Fourth Quarter 2016 activities included inspections to verify that the sedimentation basin and biofilter were free of sediment and debris, checks of the cistern area and pump, and inspections of surrounding BMPs. A total of approximately 509,000 gallons of stormwater were pumped from the cistern to the sedimentation basin during Fourth Quarter 2016 rain events.

NASA Expendable Launch Vehicle (ELV) Area BMPs

BMPs and drainage improvements were installed between June and October 2013 at NASA ELV to improve the quality of stormwater from the ELV area. Stormwater is gravity-driven through the tank system, starting with the settling tanks, then through the filter media tank, before discharging to a tributary that flows to Outfall 009. Fourth Quarter 2016 activities included inspections of the BMPs.

NASA and Boeing BMP Monitoring Related Maintenance Activities

In addition to activities performed in coordination with the Expert Panel described above, the BMP Plan-related activities performed for Outfalls 008/009 during Fourth Quarter 2016 included the following:

- Collected BMP performance monitoring samples at the following locations. These samples will be reported by the Expert Panel in the 2016/17 Annual Report.
 - Area 2 Road area;
 - B-1 area;
 - Lower Parking Lot area;
 - Area I Land Fill (AILF) area;
 - IEL area;
 - CM-1 area; and
 - Well 13 Road area.



- Collected Expert Panel Special Monitoring Studies (Santa Susana Surface Water Expert Panel and Geosyntec Consultants, 2016) samples at the following locations in or near the Northern Drainage:
 - Along the Northern Drainage above the confluence with Area II drainage (stormwater);
 - Along the Northern Drainage west of the LOX Area and near the Well 52B/52C cluster (stormwater);
 - Along the Northern Drainage east of the LOX Area and downstream of the box culvert (stormwater); and
 - Along the Northern Drainage downstream of 24" storm drain outlet discharge (stormwater).
- Collected special studies atmospheric deposition samples monthly from sampling pans on the Boeing-owned stormwater tank near the helipad and the Boeing fire station.
- Collected special studies pavement solids samples from the following locations:
 - LOX entrance road;
 - Area II road near CM-9;
 - Lower lot;
 - Upper lot, two locations (south end and east side); and
 - Area I road near entrance to upper lot
- Inspected BMPs at BMP monitoring locations and surrounding areas;
- At the Lower Lot BMP (Biofilter), removed debris from percolation holes in the concrete ring;
- Near the Area II Road walkway to lower lot, removed sediment from rip rap check dam;
- At the Lower Lot Wooden Retaining Wall, repaired crack in the gunite at the base of the wall;
- At the Former Building 1436 (B1436) Detention Bioswales, replaced straw wattles and removed sediment buildup from inlets;
- At Culvert Modifications, cleaned culvert basins, weirs, culvert inlets and rip rap check dams of sediment and debris prior to and after rain events;
- At CM-1, CM-6 and CM-11, repaired grout to seal the HDPE pipe to the head wall;
- At CM-6, installed jute mat and rip rap BMPs on hillside;
- At CM-8 and CM-11, replaced weir board filter fabric; and
- At CM-9 western inlet, repaired undercut with rip rap and installed curbs and rip rap to direct and decrease water velocity.

NORTHERN DRAINAGE BMPS

Boeing has actively worked to restore the Northern Drainage following cleanup activities performed under the oversight of the Department of Toxic Substances Control (DTSC) and in accordance with the requirements of Regional Water Quality Control Board (RWQCB) Cleanup and Abatement Order No. R4-2007-0054 (RWQCB, 2007). The restoration and mitigation activities proposed in the Northern Drainage Restoration, Mitigation, and Monitoring Plan (RMMP)² were implemented beginning in 2012. In accordance with the RMMP, regular maintenance, monitoring, and reporting have been implemented in the Northern Drainage since 2012 for the

² Available at: <http://www.boeing.com/principles/environment/santa-susana/technical-reports.page>



stream's plant biology and geomorphology. Biological activities include botanical and California Rapid Assessment Method surveys, plant watering only during periods of excessive heat, and weeding of non-native species. Geomorphic activities include stabilization measure inspections, physical surveying, facies mapping, photographic surveying, annual stream walks, as-needed maintenance, and annual geomorphic monitoring reports.

Biological activities performed in Fourth Quarter 2016 included periodic weeding and a quarterly monitoring inspection on 21 November 2016.

Geomorphic activities performed in Fourth Quarter 2016 included: completion in December 2016 of the Northern Drainage Annual Geomorphic Monitoring Report for Water Year 2016, and a quarterly inspection of stabilization measures on January 6, 2017. The Fourth Quarter 2016 inspection was delayed into the New Year because of heavy storms which took place during planned field visits in late December 2016.

REASONABLE POTENTIAL ANALYSIS

Stormwater discharges from the Santa Susana Site occurred at Outfall 009 during Fourth Quarter 2016. Analytical results from this quarter were added to the Reasonable Potential Analysis (RPA) dataset following the MWH and Flow Science RPA procedures for outfall monitoring group 003-007, 009-010 (MWH and Flow Science, 2006). As shown in Appendix F, the analytical results for Fourth Quarter 2016 did not trigger reasonable potential for any other constituent not already regulated under the current NPDES Permit.

DATA VALIDATION AND QUALITY CONTROL

In accordance with current federal and state Environmental Protection Agency guidelines and procedures, or as specified in the NPDES Monitoring and Reporting Program, analyses of samples were completed at a State of California-certified laboratory. Data validation was performed on the analytical results and quality control elements were found to be within acceptable limits for the analytical methods reported, except as noted on the analytical summary tables. Measures were implemented by the analytical laboratory to monitor and/or evaluate low level detections, analyze for interferences, and ensure that cross-contamination did not occur. Laboratory analytical reports, including validation reports and notes, are included in Appendix E.

Attachment H of the NPDES Permit presents the State Board's minimum levels (MLs) for use in reporting and determining compliance with NPDES Permit limits. The analytical laboratory achieved these MLs in the Fourth Quarter 2016. In cases where the NPDES Permit limit is less than the reporting limit (RL) and ML, the RL was used to determine compliance.

CONCLUSIONS

Boeing continues to improve water quality at stormwater discharge locations at the Santa Susana Site through methods designed to preserve the natural conditions in the watershed to the maximum extent feasible by implementing sustainable erosion control/restoration measures and continuing our collaboration with the Expert Panel.

FACILITY CONTACT

If there are any questions regarding this report or its enclosures, you may contact Mr. Paul Costa of Boeing at (818) 466-8778.



CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.

Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Executed on the 15th of February 2017 at The Boeing Company, Santa Susana Site.

Sincerely,

A handwritten signature in black ink, appearing to read "S Shestag". The signature is written in a cursive style and is positioned above the typed name.

Steven Shestag
Director, Environment
The Boeing Company

Enclosures:

References

Figure 1 - Site Map with Stormwater Collection and Conveyance System and Site Features

Figure 2 - Arroyo Simi – Frontier Park (RSW-002) Sampling Location

Appendix A - Fourth Quarter 2016 Rainfall Data Summary

Appendix B - Fourth Quarter 2016 Waste Shipment Summary Table

Appendix C - Fourth Quarter 2016 Discharge Monitoring Data Summary Tables

Appendix D - Fourth Quarter 2016 NPDES Permit Limit Exceedances

Appendix E – (on CD) Fourth Quarter 2016 Analytical Laboratory Report, Chain of Custody, and Validation Report

Appendix F – Fourth Quarter 2016 Reasonable Potential Analysis (RPA) Tables

cc: Ms. Cassandra Owens, RWQCB
Mr. Mark Malinowski, DTSC
California State University – Northridge, Library
Simi Valley Library
Los Angeles Library, Platt Branch

REFERENCES

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2. California Regional Water Quality Control Board, Los Angeles Region, 2015. Waste Discharge Requirements for the Boeing Company, Santa Susana Field Laboratory (Order No. R4-2015-0033, NPDES No. CA0001309). 12 February.
3. California State Water Resources Control Board, 2009. National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ amended by 2010-0014-DWQ & 2012-0006-DWQ). September 2.
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7. Geosyntec and the Expert Panel, 2014. 2014 BMP Plan Addendum to the October 2010 Santa Susana Site Outfalls 008/009 Watersheds BMP Plan, Santa Susana Field Laboratory, Ventura County, California (Order No. R4-2010-0090; NPDES No. CA0001309, CI No.6027). September 30.
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14. MWH Americas, Inc., Santa Susana Site Surface Water Expert Panel, and Geosyntec Consultants, 2012. ISRA Performance Monitoring and Potential BMP Subarea Monitoring for the Outfalls 008 and 009 Watersheds, 2011/2012 Rainy Season, The Boeing Company, Santa Susana Field Laboratory, Ventura County, California (Order No. R4-2010-0090; NPDES No. CA0001309, CI No. 6027; and California Water Code §13304 Order; No. CA0001309, CI No. 1111, Site ID No. 2040109). August 31.
15. MWH Americas, Inc., Santa Susana Site Surface Water Expert Panel, and Geosyntec Consultants, 2013. ISRA Performance Monitoring and BMP Monitoring for the Outfalls 008 and 009 Watersheds, 2012/2013 Rainy Season, The Boeing Company, Santa Susana Field Laboratory, Ventura County, California (Order No. R4-2010-0090; NPDES No. CA0001309, CI No. 6027; and California Water Code §13304 Order; No. CA0001309, CI No. 1111, Site ID No. 2040109). August 30.
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