

ATTACHMENT 1  
FOURTH QUARTER BMP ACTIVITIES DURING

Attachment 1: Boeing's BMP Activities during the Fourth Quarter 2012

OUTFALL (Location)	BMP ACTIVITIES DURING FOURTH QUARTER 2012
001 (South Slope below Perimeter Pond)	

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	concrete culvert.
005 Former Sodium Disposal Facility (FSDF) 1	Conducted sediment and erosion control inspections. Inspected the outfall and flume for any excess sediment/debris. Completed maintenance inspections on structural BMPs including the conveyance, stormwater retention system, and sediment basin liner. Completed inspection of dedicated retention tanks. Cleaned sample boxes and flume prior to rain event.
006 (FSDF 2)	Inspected the flume, outfall and liner for any excess sediment/debris. Conducted sediment and erosion control inspections near the outfall. Completed maintenance inspections on the structural BMPs including the stormwater retention system and filter system. Checked sample box, flow meter control box the presence of debris and/or animals. Flow meter reset and tape replaced on monthly basis. Completed inspection of dedicated retention tanks. Cleaned sample boxes and flume prior to rain event.
007 (Building 100)	Conducted sediment and erosion control inspections at perimeter of Outfall 007. Observed the sediment basin liner and outfall for any excess sediment/debris or deficiencies. Completed maintenance inspection of the conveyance system, stormwater retention system, and sediment basin liner. Checked high level float/switch in sedimentation basin. Completed inspection of dedicated retention tanks. Cleaned sample boxes and flume prior to rain event.
008 (Happy Valley)	Conducted sediment and erosion control inspections near the perimeter of the outfall and within the Outfall 008 drainage. Maintained and repaired existing sediment and wing sediment.

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	<p>from the B 1 media filter. Installed 18 inch curb cuts in the planted median near Post 505 and planted container plants. Removed spent fiber rolls from B1 1A area. Sediment and debris were cleared from culverts and basins, and rip rap was added at Culvert Maintenance (CM) 9 prior to the weir boards. Trimmed and replaced fabric wrapping on weir boards at CM 1, CM 2, CM 10, CM 3, CM 4, CM 6, CM 11, CM 8, and CM 9. Installed matting, fiber rolls, and sand bags on slopes along the road east of CM 9 and north of IEL 3. Replaced sand bag berm at foot of former Component Testing Lab (CTL) I access road, adjacent to CM 6. Road at A2LF was dressed with fresh gravel, and gravel was added to turnouts along Area II Road. Exposed geocell material at LOX was covered with gravel and deteriorated gravel filter bags in the berm were replaced with sand bags. Pole cuttings and native plants were installed in the Northern Drainage during completion of the Restoration, Monitoring and Mitigation Plan (RMMP) work. The swale along Helipad Rd and culvert were cleaned, and jute matting and fiber rolls were installed along the slope to prevent further migration of sediment. Performed street sweeping from Helipad Rd to CM 1 and cleared plant debris and soil from two swales down gradient from Expendable Launch Vehicle (ELV). Installed plastic sheeting to divert water from the ELV excavation and installed a silt fence at the base to retain sediment. Installed sand bags and fiber rolls at the bottom of Helipad Rd to direct runoff into the culvert. Installed a sand bag diversion along the curb from the old fire station to Helipad, and two additional sand bag berms were installed up gradient from ELV. The Helipad berms were raised, and covered with plastic sheeting. A flow through expandable plug was installed at Berm B, and Berm A was plumbed to storage tanks near Outfall 010. Pumps were placed at Berm A and at the base of the swale to pump captured water to the storage tanks. Installed sand bags and fiber roll along gunite slope at the Lower Lot. Continued construction of the Lower Lot biofilter, including construction of the sediment basin, media filter, and shade structure; installation of erosion control matting, rip rap aprons, and silt fence; planting of native plants; and excavation and placement of the cistern. Temporary BMPs were implemented during Lower Lot biofilter construction, including street sweeping, stockpile management, and installation of fiber rolls, tarps, and sand bags.</p>

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010 (Building 203)	Conducted maintenance inspections on structural BMPs including the filter media, conveyance and the stormwater retention system. Completed inspection of dedicated retention tanks. Maintained and inspected sediment and erosion controls within areas of disturbance or sparse vegetation. Checked sample box, flow meter control box for the presence of debris and/or animals. Flow meter reset and tape replaced on monthly basis. Cleaned sample boxes and flume prior to rain event.
011 (Perimeter Pond)	Conducted maintenance inspections on structural BMPs including the weir, filter media, pump and conveyance system. Conducted sediment and erosion control inspections at flume, drainage area, perimeter of outfall, pond and around conveyance system. Checked sample box, flow meter control box for the presence of debris and/or animals. Flow meter reset and tape replaced on monthly basis. Cleaned sample boxes and flume prior to rain event. Replaced the deteriorated straw wattles on the construction area above the Area I burn pit area, and repaired silt fence. Applied hydroseed at LETF, CTL III, and CTL V. Revised outfall BMP by installing a y strainer, extending the wall to direct flow into the sample box, and plumbing the Stormwater Treatment System (SWTS) effluent to media bed. Replaced sand bags on CTL V road by the old fuel farm and cleaned up weed abatement debris from CTL V road.
012 (ALFA Test Stand)	Maintenance inspections were conducted on structural BMPs including pump, conveyance system and retention tank. Maintenance performed on transfer pumps. Observed condition of the sand bag berm. Inspected outfall and perimeter for presence of rodents/animals. Conducted weed abatement at media beds and cleaned sample boxes and flume prior to rain event.
013 (BRAVO Test Stand)	Maintenance inspections were conducted on structural BMPs including pump, conveyance system and retention tank. Observed condition of the sand bag berm. Inspected outfall and perimeter for presence of rodents/animals. Cleaned sample boxes and flume prior to rain event.
014 Advanced Propulsion Test Facility (APTF)	Maintenance inspections were conducted on structural BMPs. Observed the condition and integrity of the liner and berm. Observed sediment and erosion control BMPs around outfall perimeter. Cleaned sample boxes and flume prior to rain event. Applied hydroseed. A screen was installed on the discharge pipe.

