

APPENDIX G

THIRD QUARTER 2012 BMP ACTIVITES

Appendix G: Boeing's BMP Activities during the Third Quarter 2012

| OUTFALL (Location) | BMP ACTIVITIES DURING THIRD QUARTER 2012 |
|--|--|
| 001 (South Slope below Perimeter Pond) | Inspected the outfall and flume for any excess sediment/debris. Observed sediment and erosion controls around the perimeter of the outfall and Outfall 001 drainage. Checked sample box, flow meter control box for the presence of debris and/or animals. Flow meter reset and tape replaced on monthly basis. Completed initial site walk and pre- planning for implementation of BMPs for Outfall 001 BMP Compliance Plan. BMPs include slope stabilization and check dam implementation. |
| 002 (South Slope below R-2 Pond) | Conducted sediment and erosion control inspections around the perimeter and Outfall 002 drainage. Inspected outfall and flume for any excess sediment/debris. Flume, outfall and sample box drained and cleared of sediment and debris. Checked flow meter control box for the presence of debris and/or animals. Flow meter reset and tape replaced on monthly basis. Completed maintenance inspection and reset of autosampler. |
| 003 Radioactive Material Handling Facility (RMHF) | Conducted sediment and erosion control inspections. Inspected flume and outfall for any excess sediment/debris. Maintenance inspections were conducted of the structural BMPs including the stormwater retention basin, conveyance and filter system. Checked sample box, flow meter control box for spiders and presence of the presence of debris and/or animals. Flow meter reset and tape replaced on monthly basis. |
| 004 Sodium Reactor Experiment (SRE) | Inspected the flume, outfall and liner for any excess sediment/debris. Conducted sediment and erosion control inspections near the outfall. Maintenance inspections were conducted of the structural BMPs including the stormwater retention system, conveyance and filter system. Completed inspection of dedicated retention tanks. Checked sample box, flow meter control box for the presence of debris and/or animals. Flow meter reset and tape replaced on monthly basis. |
| 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. Connected the stormwater retention tanks in series together at Outfall 005. |
| 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 |

| OUTFALL (Location) | BMP ACTIVITIES DURING THIRD QUARTER 2012 |
|-------------------------|---|
| | 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. Connected the stormwater retention tanks in series together at Outfall 006. |
| 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. Connected the stormwater retention tanks in series together at Outfall 007. |
| 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 erosion controls. Observed the outfall and flume for any excess sediment/debris, and cleared excess sediment from the flume. Checked sample box, flow meter control box for the presence of debris and/or animals. Flow meter reset and tape replaced on monthly basis. Conducted maintenance near flume that included removal of built-up sediment in rip rap just up gradient of flume and replaced fiber rolls and silt fence adjacent to the flume. Removed hay bales, fiber rolls, and stakes at completed Happy Valley ISRA areas. |
| 009 (WS-13 Drainage) | Checked sample box, flow meter control box for spiders and presence of rodents/animals. Flow meter reset and tape replaced on monthly basis. Removed silt fence from B1-1A vegetated area and constructed an earth berm in its place. Removed deteriorated hay bales from B1-1C, replaced biodegradable fiber rolls, and added rip rap check dam. Emplaced a gravel path at the B-1 site and roughened soil to encourage rooting after hydroseeding. Patched the cracks at the top of the gunite slope adjacent to the Guard Shack and poured a low concrete curb. Replaced and secured plastic sheeting at western and eastern portion of ISRA area Expendable Launch Vehicle (ELV)-1C. Placed 20 percolation holes behind the western sand bag berm and 35 percolation holes behind the eastern sand bag berm at the Helipad. Performed manual cleanup of lead shot in the Northern Drainage. Completed construction of structural BMPs in the Northern Drainage as a part of the Northern Drainage Restoration, Mitigation, and Monitoring Plan (RMMP). Installed HDPE slope drains and additional gravel at |

| OUTFALL (Location) | BMP ACTIVITIES DURING THIRD QUARTER 2012 |
|---|---|
| | the LOX sand bag berm as a part of the RMMP. Began excavation and construction of the Lower Lot Biofilter BMP. Maintained stockpiles, and replaced covers and fiber rolls at Ash Pile/Sewage Treatment Plant (AP/STP) excavation areas. Replaced deteriorated plastic covers and sand bags at ELV, cleaned up spilled sand. |
| 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. Removed pump at base of filtration media/system for maintenance. 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. Retention tank pressure plug was serviced and replaced. |
| 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. Performed selective weeding at CTL-III to remove aggressive mustard. Installed a silt fence, just matting, and fiber rolls at the south slope, and installed a rip rap water diversion, swale, rip rap catch basin, and silt fence along the 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. |
| 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. |
| 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. Installed jute matting and fiber rolls on the back and west slopes. Completed the berm by raising it 2 feet and installed a bento liner. Completed retro-fitting of riser and discharge piping |

| OUTFALL (Location) | BMP ACTIVITIES DURING THIRD QUARTER 2012 |
|-----------------------|---|
| | that leads from bermed area to retention tank. |
| 018 (R-2 Spillway) | Maintenance inspections were conducted on structural BMPs including the filter media and 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. |
| 019 (GETS) | Media vessels replaced and backwashed. Associated bag filters replaced frequently as needed. System shut down due to power outage. System off to observe effect on seeps. Rip rap dissipater at end of discharge line down gradient of Outfall001 replaced. System alarms tested quarterly. Electrical systems upgraded. Hach pH meter calibrated by manufacturer. Overall system operation is nominal. |