

Appendix B – Best Management Practices (BMPs)

BMP TC01	TREATMENT CONTROLS	
PURPOSE: Eliminate non-storm water discharges to the storm water collection system and remove petroleum compounds, grease, sediments, trash and debris, metals and other contaminants from storm water through the use of structural treatment control BMPs.		TARGETED ACTIVITIES: <ul style="list-style-type: none"> ➔ Aircraft Deicing/Anti-Icing ➔ Aircraft Lavatory Service ➔ All Fueling ➔ All Maintenance ➔ All Storage ➔ All Washing ➔ Cargo Handling ➔ Equipment Cleaning ➔ Fire Fighting Equip. Testing ➔ Floor Washdowns ➔ Garbage Collection ➔ Outdoor Washdown ➔ Painting/Stripping ➔ Potable Water System Flush ➔ Runway Rubber Removal
POLLUTION PREVENTION:		POLLUTANTS of CONCERN: <ul style="list-style-type: none"> ➔ Aircraft Fire Fighting Foam ➔ Battery Acid ➔ Cleaning Solution ➔ Deicing/Anti-Icing Fluid ➔ Fuel ➔ Heavy Metals ➔ Hydrocarbons ➔ Lavatory Chemicals ➔ Metals ➔ Oil and Grease ➔ Paint ➔ Pesticides/Herbicides/ Fertilizers ➔ Potable Water System Chemicals ➔ Solvents ➔ Vehicle Fluids
Implement the following pollution prevention practices and BMPs to reduce pollutants in storm water and non-storm water discharges and to maintain the proper functioning of structural treatment control BMPs: <ul style="list-style-type: none"> <input type="checkbox"/> Properly dispose of any standing water and accumulated waste removed during cleaning operations in accordance with federal, state, and local requirements. <input type="checkbox"/> CASQA recommends cleaning of water quality inlets (which includes OWSs) at least twice during the wet season. However, the schedule depends on the operating conditions of the SDIA OWSs. <input type="checkbox"/> Inspect and maintain oil water separators as follows: <ol style="list-style-type: none"> 1. Inspect OWSs monthly to establish trends in operating conditions of the SDIA OWSs. 2. Prior to the wet season, inspect for sediment accumulation in the pre-separator and/or separator chambers, and if it is greater than 12 inches deep, remove the accumulated material (for example, with a vacuum truck), characterize it, and properly dispose of it. 3. Prior to the wet season, inspect for oil accumulation in the oil chamber, and if it is more than 50 percent of the chamber volume, remove the oil and grease, characterize it, and properly dispose of it. 4. Inspect coalescer for debris and gummy deposits. If these are present, wash the coalescer in an appropriate area with high pressure hot water. 5. Inspect for general mechanical integrity per manufacturer's guidelines at least annually and operate each mechanical component to ensure proper operation. Repair as needed. 		

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<input type="checkbox"/>	Inspect and maintain drain inlet inserts (DIIs) as follows: <ol style="list-style-type: none"> 1. Inspect DIIs every 3 months in the dry season and prior to every storm event in the wet season. Remove any trash and debris that could interfere with the proper functioning of the insert. 2. Replace DII if sediment reaches a depth of greater than 6 inches, or if rips or tears are observed. Properly characterize and dispose of the insert and sediment. 3. Inspect monthly for saturation of any oil absorbent material in the DII. Upon saturation, replace absorbent material. 	
<input type="checkbox"/>	Inspect and maintain Vortechs hydrodynamic separator units according to the manufacturer's recommendations and operating conditions. Inspect monthly in the wet season and every 3 months in the dry until operating conditions and maintenance needs are known. Properly characterize and dispose of accumulated waste.	
OPERATIONS:		
Sub-BMPs	APPLICABLE TENANTS/ DEPARTMENTS:	
- 01 <input type="checkbox"/>	Regularly inspect, clean, and maintain all structural treatment control BMPs to prevent the accumulation or resuspension of oil, grease, floating debris and sediments.	➔ . Allied Aviation ➔ . SDCRAA
- 02 <input type="checkbox"/>	During cleaning operations, close any effluent valves at the treatment control device and properly dispose of any standing water and accumulated waste that are removed. Replace oil absorbent pads in the treatment control device prior to the start of the wet season and as needed.	
- 03 <input type="checkbox"/>	Document and maintain records for all inspections, cleaning, and maintenance of structural treatment control BMPs.	
- 04 <input type="checkbox"/>	Perform an annual inventory of all structural treatment control BMPs.	
AUTHORIZED LOCATIONS TO IMPLEMENT TREATMENT CONTROL BMPs AND TO MAINTAIN TREATMENT CONTROL BMPs:		
<input type="checkbox"/>	To implement BMPs for the prevention of non-storm water discharges, and to reduce pollutants in storm water discharges, inspect and maintain water structural treatment control BMPs located within the designated areas as shown in the attached map.	
Date:		Version: 1.0

Legend


Vortech Unit


Drain Inlet Insert

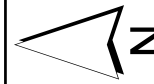

Oil/Water Separator



Facilities Legend

- 3 - Allied Aviation
- 5 - American Airlines
- 28 - SDCRAA

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CHECKED BY:	



**San Diego
International Airport**

**BMP TC-01
Treatment Controls**