

Appendix B – Best Management Practices

BMP SC07	OUTDOOR MATERIAL STORAGE	
<p>PURPOSE: Prevent or reduce the discharge of pollutants to storm water from outdoor storage areas for significant material (e.g., fuels, chemicals, bagged material on pallets, soils or asphalt materials bulk storage, deicing, compounds, etc.)</p>	<p>TARGETED ACTIVITIES:</p> <ul style="list-style-type: none"> ➔ Aircraft/Vehicle/Equipment Maintenance ➔ Aircraft/Vehicle Fueling ➔ Fuel/Chemical/Equipment Storage ➔ Cargo Handling 	
<p>POLLUTION PREVENTION:</p>	<p>Implement the following pollution prevention practices and BMPs to prevent discharges of pollutants from outdoor storage areas to the storm water collection system:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Store all significant materials indoors or under cover areas with secondary containment (e.g. dog house design). <input type="checkbox"/> Develop and implement a Spill Prevention Control and Countermeasure (SPCC) Plan if required. <input type="checkbox"/> Install overflow protection devices on ASTs to warn the operator or install automatic shut-off transfer pumps. <input type="checkbox"/> Restrict access to AST, piping, valves. <input type="checkbox"/> Properly label all storage containers <input type="checkbox"/> Train personnel in the handling and management of hazardous materials. <input type="checkbox"/> Store hazardous materials away from high-traffic areas to prevent accidental spills or damage to storage containers. Make storage containers highly visible to traffic with traffic cones or posts. <input type="checkbox"/> Use tarpaulins, plastic sheeting (e.g. storm-resistant polyethylene, polypropylene, or hypalon covering), roofs, buildings, and other enclosures for temporary or permanent coverings that are effective in preventing storm water contamination. <input type="checkbox"/> Stack storage containers in accordance with the manufacturers' directions. <input type="checkbox"/> In hazardous materials storage areas ensure sufficient aisle space to provide access for inspections and to improve the ease of material transport. <input type="checkbox"/> Place adequate spill kits in appropriate locations. 	<p>POLLUTANTS of CONCERN:</p> <ul style="list-style-type: none"> ➔ Fuel ➔ Solvents/Cleaning Solutions ➔ Deicing/Anti-Icing Fluids

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OPERATIONS:		APPLICABLE TENANTS/ DEPARTMENTS:	
Sub-BMPs			
- 01 <input type="checkbox"/>	Outdoor material storage areas and equipment should not be located directly in the path of storm drains.	→	ACE
- 02 <input type="checkbox"/>	Outdoor material storage areas have areas with overhead cover and secondary containment.	→	Air Canada
- 03 <input type="checkbox"/>	Outdoor material storage areas are prevented from contacting stormwater run-on and run-off (e.g., by the use of berms, wood pallets etc).	→	Alaska
- 04 <input type="checkbox"/>	Cover and contain material stockpiles or implement erosion control practices at the perimeter of the site and at any inlets or catch basins to prevent the off-site transport of eroded material.	→	Allegiant
- 05 <input type="checkbox"/>	Cover wood products treated with preservative chemicals with tarps or store them indoors.	→	American Airlines
- 06 <input type="checkbox"/>	Install protection guards (bollards, posts, or guardrails) around ASTs and piping to prevent damage from vehicles or forklifts and any subsequent release.	→	ARFF
- 07 <input type="checkbox"/>	Regular inspections are performed on tanks, storage containers, and berms to check for corrosion, structural failure, loose fittings, poor welds, leaks etc. Repairs or replacements are performed as needed.	→	Bradford
- 08 <input type="checkbox"/>	Liquid materials in ASTs should be stored in double-walled, valved storage tanks or within concrete bermed secondary containment areas to provide the capacity to contain the entire volume of the single largest container, with sufficient freeboard to contain precipitation. The area inside the curb should slope to a locked or valved drain.	→	Cartwright
- 09 <input type="checkbox"/>	Precipitation from bermed areas should be drained to the sanitary sewer if available, or inspected and tested according to applicable regulations prior to its release to a storm drain. The drain must have a positive control, such as a lock, valve, or plug, below the product level in the tank to prevent release of contaminated liquids.	→	Conrac
- 10 <input type="checkbox"/>	Properly dispose of ponded storm water removed from bermed or containment areas.	→	Delta
- 11 <input type="checkbox"/>	The facility/operation has and displays a County hazardous materials permit for hazardous materials storage.	→	DHL
- 12 <input type="checkbox"/>	Maintain an accurate, up-to-date inventory of the materials delivered and stored on site.	→	FedEx
- 13 <input type="checkbox"/>	Do not permanently store equipment and materials in the bed of a pickup truck. If storing temporarily, provide cover and containment.	→	Flagship
		→	Frontier
		→	Hawaiian
		→	HMS Host
		→	JAL
		→	JetBlue
		→	Menzies
		→	Menzies Fuel Farm
		→	SANCO
		→	SDCRAA
		→	Siemens
		→	Signature
		→	Southwest
		→	Spirit
		→	SP Plus
		→	Sun Country
		→	United
		→	UPS
		→	WestJet

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STRUCTURAL TREATMENT BMPs: Refer to BMP TC01 for information on structural treatment BMPs.		
BMP FREQUENCIES/EQUIPMENT/TOOLS: Outdoor material storage occurs on a daily basis. Equipment/tools to implement BMPs include spill pallets, outdoor sheds, overpack containers, tarps, flammable materials storage lockers, bermed or containment areas, indoor or covered storage areas, fiber rolls, wooden pallets, spill kits, brooms, and drums.		
AUTHORIZED LOCATIONS FOR THE OUTDOOR STORAGE OF SIGNIFICANT MATERIALS:		
<input type="checkbox"/>	To implement BMPs for the prevention of discharges of pollutants from outdoor storage areas, store significant materials at the designated storage areas as shown in the attached map.	
Date:	Version: 2.0	

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**Tenants Implementing SC-07 BMP:
Outdoor Material Storage**

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|-----------------------|-------------|---------------|---------------|----------------|----------------|------------------|---------------|--------------|-----------------|-------------|
| 1 - Alaska | 6 - ARFF | 12 - FedEx | 15 - HMS Host | 19 - SDCRAA | 23 - United | 27 - Air Canada | 35 - Spirit | 42 - JAL | 78 - Signature | 107 - SANCO |
| 2 - Menzies Fuel Farm | 7 - Menzies | 13 - Frontier | 16 - JetBlue | 21 - Southwest | 24 - UPS | 28 - Sun Country | 38 - DHL | 50 - Siemens | 96 - Cartwright | |
| 4 - American | 10 - Delta | 14 - Hawaiian | 18 - ACE | 22 - FlagShip | 26 - Allegiant | 29 - West Jet | 40 - Bradford | 77 - Conrac | 102 - SP Plus | |

- ▲ Fuel Storage
 ● Material Storage
 ◆ Metal Storage
 ⬮ Oil Storage
 ○ Underground Storage Tank

- SDCRAA
 SDIA Boundary



Service Layer Credits: Source: Esri, Maxar, Earthstar

PROJECT NO.: 5025-22-2002 DATE: FEBRUARY 2023 DRAWN BY: PM CHECKED BY: AA/NP		0 250 500 1,000 1,500 Feet		STORM WATER MANAGEMENT PLAN AT SAN DIEGO INTERNATIONAL AIRPORT San Diego, California	SC-07 BMP: Outdoor Material Storage	FIGURE SC-07
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