

## Appendix B – Best Management Practices

BMP SC21	BUILDING REPAIR AND CONSTRUCTION	
<b>PURPOSE:</b> Prevent or reduce the discharge of pollutants to storm water from site modifications such as minor and normal building repair and remodeling to construction of new facilities by using soil erosion controls, enclosing or covering building materials storage areas, using good housekeeping practices, using safer alternative products, and training employees.	<b>TARGETED ACTIVITIES:</b> ➔ Building Remodeling/Repair ➔ Construction Activities	
<b>POLLUTION PREVENTION:</b>		<b>POLLUTANTS of CONCERN:</b>
	Implement the following pollution prevention practices and BMPs to eliminate non-storm water discharges and reduce the potential for pollutants to enter the storm water collection system:  <input type="checkbox"/> Implementation of erosion control BMPs for temporary stabilization of inactive areas.  <input type="checkbox"/> Implementation of sediment control BMPs for perimeter control, runoff/runoff control, and inlet protection.  <input type="checkbox"/> Implementation of tracking control BMPs to prevent offsite tracking.  <input type="checkbox"/> Implementation of wind erosion control BMPs to control dust that can contribute to air pollution.  <input type="checkbox"/> Implementation of materials and waste management BMPs to properly manage materials and waste on site.  <input type="checkbox"/> Implementation of non-stormwater BMPs to prevent discharge of pollutants and properly manage wastewater or wash water generated from the construction activities such as equipment or vehicle maintenance and fueling; saw cutting and grinding from pavement removal; pavement paving and sealing; concrete curing etc.  <input type="checkbox"/> Use recycled or non-potable water for construction purposes when available.	➔ Asphalt ➔ Basic Materials ➔ Concrete ➔ Construction Materials ➔ Construction Debris ➔ Floatables ➔ Fuel ➔ Metals ➔ Oil and Grease ➔ Paint ➔ Sediment ➔ Sealants ➔ Septic Wastes ➔ Solvents ➔ Suspended solids ➔ Synthetic Organics ➔ Trash ➔ Vehicle Fluids
<b>OPERATIONS:</b>		<b>APPLICABLE TENANTS/ DEPARTMENTS:</b>
<b>Sub-BMPs</b> - 01 <input type="checkbox"/>	Avoid outdoor repairs and construction during rain events or during any period for which the National Weather Service is forecasting a 50% chance of precipitation.	➔ SDCRAA ➔ Any tenant conducting targeted activities
- 02 <input type="checkbox"/>	Stabilize inactive areas (where there will be no construction for 14 days) or finished slopes or erodible areas with erosion control.	
- 03 <input type="checkbox"/>	Implement wind erosion control BMPs to control dust, and limit traffic to stabilized roadways within the site, where possible.	
- 04 <input type="checkbox"/>	Maintain effective perimeter and run-on controls.	
- 05 <input type="checkbox"/>	Maintain effective inlet protection.	

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<ul style="list-style-type: none"> <li>- 06 <input type="checkbox"/> Install a stabilized construction entrance to prevent offsite tracking.</li> <li>- 07 <input type="checkbox"/> Sweep streets of any loose dirt or materials.</li> <li>- 08 <input type="checkbox"/> Cover and contain all chemicals, liquids, erodible landscape materials, and fertilizers when not in use.</li> <li>- 09 <input type="checkbox"/> Discontinue use of erodible landscape material within 2 days prior to forecasted rain event or when it's raining.</li> <li>- 10 <input type="checkbox"/> Cover and berm material and waste stockpiles when inactive and before the onset of a rain event. Use plastic under-sheets when appropriate.</li> <li>- 11 <input type="checkbox"/> Cover waste containers at the end of each work day and prior to a rain event, and have waste recycled or collected and properly disposed of frequently.</li> <li>- 12 <input type="checkbox"/> Perform concrete washout in designated areas away from inlets and drainage courses, and in appropriately sized and designed pits or containers. Empty regularly.</li> <li>- 13 <input type="checkbox"/> Temporary sanitary facilities must have secondary containment and be located away from storm drains and traffic circulation.</li> <li>- 14 <input type="checkbox"/> Minimize water usage and use reclaimed water where possible.</li> <li>- 15 <input type="checkbox"/> Contain any particulate generating activities.</li> <li>- 16 <input type="checkbox"/> Designate areas for fueling equipment and vehicles away from inlets and drainage courses, or perform offsite.</li> </ul> <p style="text-align: center;"><b>SEE ALSO BMP SC20 AND INDIVIDUAL CONSTRUCTION SWPPPs OR WPCPs</b></p>			
<b>STRUCTURAL TREATMENT BMPs:</b> Refer to BMP TC01 for information on structural treatment BMPs.			
<b>BMP FREQUENCIES/EQUIPMENT/TOOLS:</b> Building repair and construction BMPs are used as needed and as outlined in the SWPPPs or WPCPs. Equipment/tools to implement BMPs include fiber rolls, gravel bags, straw waddles, silt fences, mulch, hydraulic mulch, water trucks, rumble plates, sweepers, brooms, spill kits, drums, secondary containment devices, tarps, cover, covered dumpsters etc.			
<b>AUTHORIZED LOCATIONS TO IMPLEMENT HOUSEKEEPING BMPs:</b>			
<input type="checkbox"/>	Prevent non-storm water discharges, and contact of pollutants with storm water discharges by implementing remodeling/repair, and construction BMPs in the designated areas as shown in the attached map.		
Date:		Version: 2.0	



Tenants Implementing SC-21 BMP:  
Building Repair & Construction

19 - SDCRAA

Buildings

SDCRAA

SDIA Boundary



Aerial Image Source:  
Aerotek Mapping Inc.  
ATM # C0116-008  
Aerial Flight Date: 8/22/2016

PROJECT NO.: 5025-18-2002				STORM WATER MANAGEMENT PLAN AT SAN DIEGO INTERNATIONAL AIRPORT San Diego, California	SC-21 BMP: Building Repair & Construction	FIGURE SC-21
DATE: JANUARY 2019						
DRAWN BY: CAB						
CHECKED BY: AA/NP						



Individual BMP From:

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