BMP SC02C	**ELECTRIC VEHICLE MAINTENANCE**

PURPOSE:
To prevent or reduce the discharge of pollutants to storm water from electric ground vehicle charging, maintenance, and repair.

TARGETED ACTIVITIES:

- ✈ Vehicle Maintenance
- ✈ Battery Charging

POLLUTION PREVENTION:

Implement the following pollution prevention practices and BMPs to prevent discharges of pollutants to the storm water collection system:

☐ Develop a battery maintenance plan to provide procedures for cleaning and maintenance, develop a schedule for service, and to correct any issues that can potentially arise.

☐ Investigate use of smart chargers with multi-stage charging capability.

POLLUTANTS of CONCERN:

- ✈ Battery Acid
- ✈ Battery Acid Neutralizing Agents
- ✈ Metals
- ✈ Vehicle Fluids

OPERATIONS:

Sub-BMPs

- 01 ☐ Do not overcharge batteries in electric vehicles.
- 02 ☐ Park electric vehicles in cool and dry areas (e.g. shade under building) when not in use.
- 03 ☐ Use acid resistant drip pans sprinkled with battery acid neutralizing agent (e.g. lime or baking soda) when filling or cleaning electric vehicle batteries and dispose of waste properly.
- 04 ☐ Maintain battery acid neutralizing kits adjacent to charging stations. Adequately recover spill response material from area after use and dispose of them in an appropriate manner.
- -05 ☐ Avoid overfilling electric vehicle batteries.
- -06 ☐ Do not fill batteries or perform electric vehicle maintenance during rain events.
- -07 ☐ Store batteries inside in a cool and dry place if possible. If batteries are stored outside, store in a non-reactive container with a cover.
- -08 ☐ Clean battery case and terminals regularly or when there is a buildup of corrosion with a rag dampened with a solution of water and battery acid neutralizing agent. Capture any wastewater to be treated as hazardous waste.
- -09 ☐ Apply petroleum jelly or grease on battery terminals to slow down corrosion process.

SEE ALSO BMP SC02B

APPLICABLE TENANTS/ DEPARTMENTS:

- ✈ ACE
- ✈ Alaska
- ✈ American Airlines
- ✈ Delta
- ✈ JAL
- ✈ SANCO
- ✈ SDCRAA
- ✈ Siemens
- ✈ Signature
- ✈ Southwest
- ✈ Spirit
- ✈ SSP
- ✈ United

STRUCTURAL TREATMENT BMPs: Refer to BMP TC01 for information on structural treatment BMPs.

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BMP FREQUENCIES/EQUIPMENT/TOOLS: Equipment/tools to implement BMPs include drip pans, neutralizing kits, outdoor sheds, storage containers, appropriate secondary containment devices, spill kits and drums.		
AUTHORIZED ELECTRIC VEHICLE MAINTENANCE LOCATIONS:		
☐	Use only the designated areas for electrical vehicle maintenance as shown in the attached map.	
Date:		Version: 1.0

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Tenants Implementing SC-02-C BMP:
Electric Vehicle Maintenance

1 - Alaska	10 - Delta	19 - SDCRAA	23 - United	42 - JAL	50 - Siemens	107 - SANCO
4 - American	18 - ACE	21 - Southwest	35 - Spirit	45 - SSP	78 - Signature	

SDCRAA SDIA Boundary

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar

PROJECT NO.: 5025-18-2002	N	0 250 500 1,000 1,500 Feet	wood.	**STORM WATER MANAGEMENT PLAN AT SAN DIEGO INTERNATIONAL AIRPORT** San Diego, California	**SC-02-C BMP: Electric Vehicle Maintenance**	FIGURE SC-02-C
DATE: JANUARY 2022						
DRAWN BY: CAB						
CHECKED BY: AA/NP						