Individual BMP From:

Appendix B – Best Management Practices

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 PH	REVENTION:	DOLLUTANTS of CONCEDN.				
	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	 POLLUTANTS of CONCERN: → Battery Acid → Battery Acid Neutralizing Agents → Metals → Vehicle Fluids 				
OPERATIONS:	capability.	APPLICABLE TENANTS/				
		DEPARTMENTS:				
Sub-BMPs - 01	Do not overcharge batteries in electric vehicles.	 → ACE → Air Canada 				
- 02 🗌	Park electric vehicles in cool and dry areas (e.g. shade under building) when not in use.	 → Alaska → Allegiant → American Airlines 				
- 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.	 → Delta → JAL → SDCRAA → Siemens 				
- 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.	 → Signature → Southwest → Spirit → SSP 				
-05 🗌	Avoid overfilling electric vehicle batteries.	$\begin{array}{c} \rightarrow \\ \rightarrow \\ \forall \\$				
-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					
-08 🗌	cover.					
-09 🗌	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. Apply petroleum jelly or grease on battery terminals to slow down corrosion process.					
	SEE ALSO BMP SC02B					
	TREATMENT BMPs: Refer to BMP TC01 for information on					
structural treatmen	IL BIVIL'S.					
	CIES/EQUIPMENT/TOOLS: Equipment/tools to implement o pans, neutralizing kits, outdoor sheds, storage containers,					

Individual BMP From:

Appendix B – Best Management Practices

BMP SC02C	ELECTRIC VEHICLE MAINTENANCE					
appropriate secon	dary 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: 2.0				

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wood

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1,000

Feet

250

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500

PROJECT NO.: 5025-18-2002

JANUARY 2019 DRAWN BY:

AA/NP

CHECKED BY:

STORM WATER MANAGEMENT PLAN AT SAN DIEGO INTERNATIONAL AIRPORT

San Diego, California



SC-02-C BMP: Electric Vehicle Maintenance

Individual BMP From:

Appendix B - Best Management Practices

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