Individual BMP From:

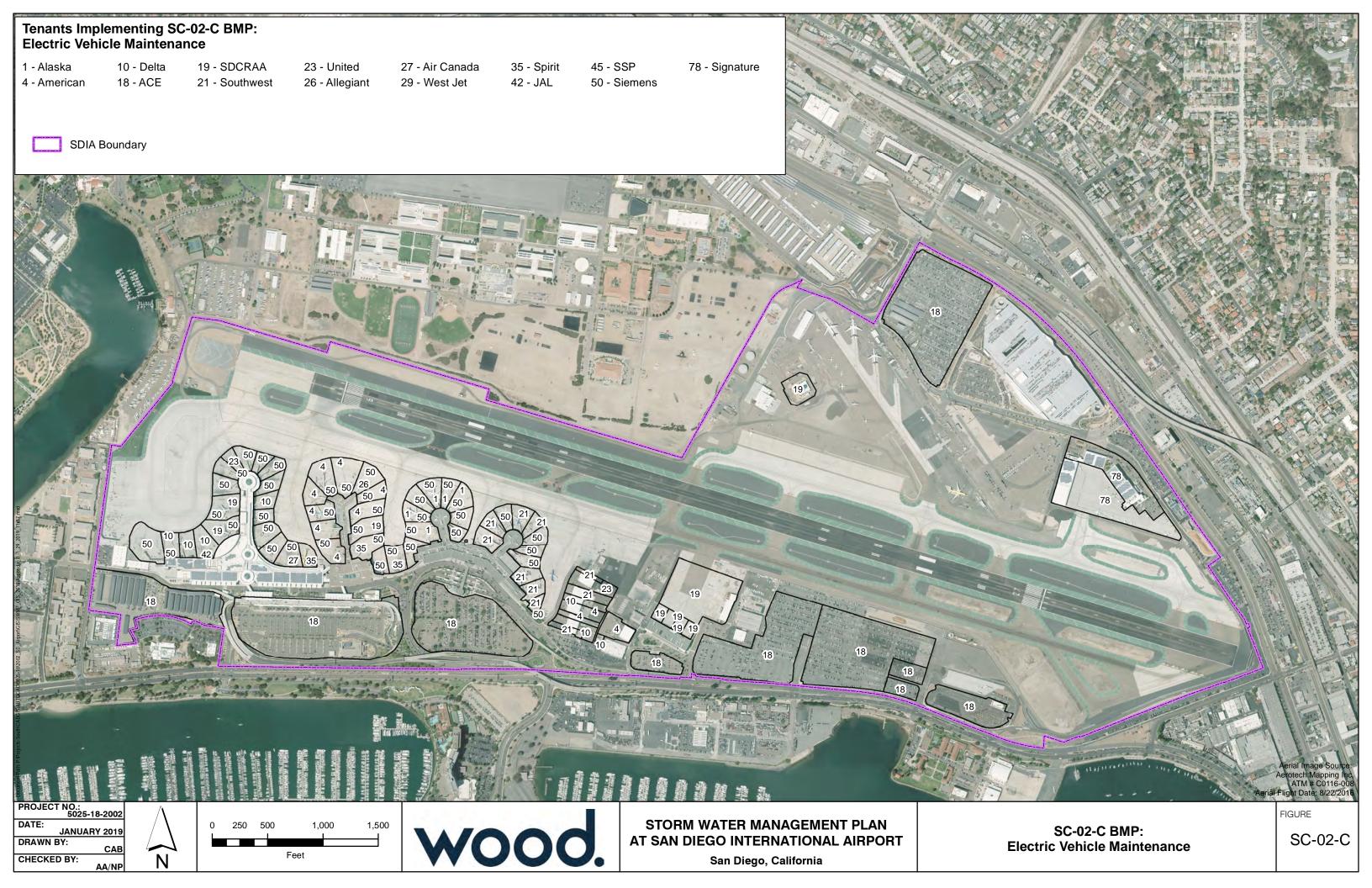
Appendix B - Best Management Practices

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 PREVENTION:		POLLUTANTS of CONCERN:
	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	→ 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
-05 🗌	Avoid overfilling electric vehicle batteries.	→ SSP → United → WestJet
-06	Do not fill batteries or perform electric vehicle maintenance during rain events.	7 Wester
-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. Clean battery case and terminals regularly or when there is a	
-09 🗆	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 STRUCTURAL TREATMENT BMPs: Refer to BMP TC01 for information on		
structural treatment BMPs.		
BMP FREQUENCIES/EQUIPMENT/TOOLS: Equipment/tools to implement BMPs include drip pans, neutralizing kits, outdoor sheds, storage containers,		

Individual BMP From:

Appendix B - Best Management Practices

BMP SC02C	ELECTRIC VEHICLE MAINTENANCE	
appropriate second	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



Individual BMP From:

Appendix B - Best Management Practices

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