### Appendix B – Best Management Practices

#### 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:**

<table>
<thead>
<tr>
<th>Sub-BMPs</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>- 01</td>
<td>Do not overcharge batteries in electric vehicles.</td>
</tr>
<tr>
<td>- 02</td>
<td>Park electric vehicles in cool and dry areas (e.g. shade under building) when not in use.</td>
</tr>
<tr>
<td>- 03</td>
<td>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.</td>
</tr>
<tr>
<td>- 04</td>
<td>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.</td>
</tr>
<tr>
<td>- 05</td>
<td>Avoid overfilling electric vehicle batteries.</td>
</tr>
<tr>
<td>- 06</td>
<td>Do not fill batteries or perform electric vehicle maintenance during rain events.</td>
</tr>
<tr>
<td>- 07</td>
<td>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.</td>
</tr>
<tr>
<td>- 08</td>
<td>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.</td>
</tr>
<tr>
<td>- 09</td>
<td>Apply petroleum jelly or grease on battery terminals to slow down corrosion process.</td>
</tr>
</tbody>
</table>

**APPLICABLE TENANTS/DEPARTMENTS:**
- ACE
- Air Canada
- Alaska
- Allegiant
- American Airlines
- Delta
- JAL
- SDCRAA
- Siemens
- Signature
- Southwest
- Spirit
- SSP
- United
- WestJet

**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.
### BMP SC02C

<table>
<thead>
<tr>
<th><strong>ELECTRIC VEHICLE MAINTENANCE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>appropriate secondary containment devices, spill kits and drums.</td>
</tr>
</tbody>
</table>

**AUTHORIZED ELECTRIC VEHICLE MAINTENANCE LOCATIONS:**

- Use only the designated areas for electrical vehicle maintenance as shown in the attached map.

Date:  

Version: 2.0
Tenants Implementing SC-02-C BMP:
Electric Vehicle Maintenance

1 - Alaska 10 - Delta 19 - SDCRAA 23 - United 27 - Air Canada 35 - Spirit 45 - SSP 78 - Signature
4 - American 18 - ACE 21 - Southwest 26 - Allegiant 29 - West Jet 42 - JAL 50 - Siemens

SDIA Boundary
Intentionally Left Blank