### Table 8. Summary of Potential Spill Predictions and Prevention Measures at Douglass Campus

Douglass Campus -- Rutgers, The State University of New Jersey

<table>
<thead>
<tr>
<th>Building No. &amp; Contents</th>
<th>Type of Failure</th>
<th>Total Volume (gallons)</th>
<th>Flow Rate (gpm)</th>
<th>Direction of Flow</th>
<th>Location of Discharge</th>
<th>Spill Prevention Measures</th>
<th>Prevention Measure Adequate or Corrective Action</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aboveground Storage Tanks</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7502 Overfill</td>
<td>OPC</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>audible alarm</td>
<td>Adequate</td>
<td></td>
</tr>
<tr>
<td>550-G No. 2 Rupture, leakage</td>
<td>SC</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Hoover secondary containment vault</td>
<td>Adequate</td>
<td></td>
</tr>
<tr>
<td>Unloading pipe rupture</td>
<td>325</td>
<td>65</td>
<td>SE</td>
<td>catch basin</td>
<td>catch basin cover</td>
<td>Adequate 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7502 Overfill</td>
<td>OPC</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>audible alarm</td>
<td>Adequate</td>
<td></td>
</tr>
<tr>
<td>1,000-G Rupture, leakage</td>
<td>SC</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Hoover secondary containment vault</td>
<td>Adequate</td>
<td></td>
</tr>
<tr>
<td>Unleaded gasoline</td>
<td>Unloading pipe rupture</td>
<td>325</td>
<td>65</td>
<td>NE</td>
<td>asphalt driveway to Raritan River</td>
<td>Diversion boom</td>
<td>Adequate 1</td>
<td></td>
</tr>
<tr>
<td><strong>Underground Storage Tanks</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8419 Overfill</td>
<td>OPC</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Visual/audible alarms</td>
<td>Adequate</td>
<td></td>
</tr>
<tr>
<td>(2) 20,000-G Leakage</td>
<td>SC</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Double-walled with outer fiberglass-coated steel and interstitial monitoring</td>
<td>Adequate</td>
<td></td>
</tr>
<tr>
<td>No. 2 Fuel Oil Unloading pipe rupture</td>
<td>325</td>
<td>65</td>
<td>W</td>
<td>Asphalt driveway to catch basin</td>
<td>Diversion booms</td>
<td>Adequate 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Drums/Containers</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8328 Drum rupture</td>
<td>55</td>
<td>55</td>
<td>In building</td>
<td>Secondary containment pallet or in building</td>
<td>Secondary containment pallet or onto impervious building floor</td>
<td>Adequate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;10 55-G Drums</td>
<td>Drum rupture</td>
<td>55</td>
<td>55</td>
<td>?</td>
<td>Secondary containment pallet or in building</td>
<td>Secondary containment pallet or onto impervious building floor</td>
<td>Adequate</td>
<td></td>
</tr>
<tr>
<td>8320 Drum rupture</td>
<td>55</td>
<td>55</td>
<td>?</td>
<td>Secondary containment pallet or in building</td>
<td>Secondary containment pallet or onto impervious building floor</td>
<td>Adequate</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Table 8. Summary of Potential Spill Predictions and Prevention Measures at Douglass Campus

Douglass Campus -- Rutgers, The State University of New Jersey

<table>
<thead>
<tr>
<th>Abbreviations</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>OP Tank is equipped with overfill protection.</td>
<td>1 The volume of the worst-case overfill was estimated by calculating the estimated delivery flow rate (a maximum of 65 gallons per minute) by the maximum time in which it would take the delivery person to notice the overfill (assumed to be 5 minutes).</td>
</tr>
<tr>
<td>CP Tank is equipped with corrosion protection.</td>
<td>2 Although corrosion of the UST system is a probable type of failure, an estimate of the volume, rate of discharge and direction of flow is not provided because all of the USTs will either be removed or upgraded to the requirements of N.J.A.C. 7:14B.</td>
</tr>
<tr>
<td>SC Tank is equipped with secondary containment.</td>
<td>3 Tanks with a capacity greater than 10,000 gallons are typically filled by a tank trailer with a capacity of 7,000 gallons. Product is delivered under gravity drainage in a 3&quot;- to 4&quot;-diameter hose. The rate of delivery is estimated to be 150 gpm. The volume of the worst-case overfill or pipe rupture was estimated by calculating the delivery flow rate (150 gpm) by the maximum time in which it would take the delivery person to notice the overfill/rupture (assumed to be 5 minutes).</td>
</tr>
<tr>
<td>PT Tank and piping is pressure tested every 36 months.</td>
<td></td>
</tr>
</tbody>
</table>

- Not applicable.

AST Aboveground Storage Tank.

UST Underground Storage Tank.

gpm Gallons per minute.