Appendix K – Sanitary Sewer Overflow Event Summary

Since the CIQWS reporting system was placed in service in 2007 the District has 6 sanitary sewer overflows. The attached Table 1 provides information on each event. The attached Figures provide a summary the number of events per year and overflow volumes for both collection systems; Lower Moosa Canyon WRF and Woods Valley Ranch WRF. None of the SSO events were due to facilities with insufficient capacity or wet weather flows.

Woods Valley Ranch Collection System

There was one SSO event 2007 in the Woods Valley Ranch Service Area since reporting began. This event was due to the backing up of a sand tee left in the collection line by the contractor that constructed the facilities. Sand tees are installed to prevent home construction debris and sediment from traveling to the treatment plant prior to home occupancy. Contractors are required to periodically inspect and clean the manholes where the sand tees are installed.

Lower Moosa Canyon Collection System

The Moosa collection system had 5 SSO events since reporting began; 1 in 2007, 1 in 2008 and 3 in 2009 (none so far in 2010). Two of the five events were in private laterals that are not maintained by the District. One due to debris blockage and one due to another sand tee that backed up. One of the five events was due to excessive foaming of the digester during start-up of the new aerator installation. The remaining two events were due to vandalism of the Meadows highline.

Corrective Measures

Sand Tees - All sand tees have been removed from the system. When sand tees are in stalled after new construction, district inspection staff will verify that contractors are performing inspections and cleanings as required.

Meadows Highline Vandalism – The Meadows highline is being replaced with a concrete in cased HDPE line. Construction of the new line should be completed by the end June 2010. Once completed, the line will not be vulnerable to vandalism by the frequent visitors to the nearby caves.
Table 1
Sanitary Sewer Overflow Event Summary for Calendar Years 2007 through 2009

<table>
<thead>
<tr>
<th>Event No</th>
<th>Date</th>
<th>Total Volume (gallons)</th>
<th>Volume Recovered or Treated</th>
<th>Volume Reaching Surface Waters</th>
<th>Location</th>
<th>Cause</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Lower Moosa Canyon</td>
<td></td>
</tr>
<tr>
<td>711530</td>
<td>12/24/2007</td>
<td>150</td>
<td>150</td>
<td>0</td>
<td>Meadows Highline</td>
<td>Vandalism</td>
</tr>
<tr>
<td>723663</td>
<td>6/28/2008</td>
<td>50</td>
<td>50</td>
<td>0</td>
<td>Meadows Highline</td>
<td>Vandalism</td>
</tr>
<tr>
<td>734864</td>
<td>1/23/2009</td>
<td>40</td>
<td>30</td>
<td>10</td>
<td>Moosa Treatment Facility</td>
<td>Digester Foam Overflow</td>
</tr>
<tr>
<td>741412</td>
<td>6/17/2009</td>
<td>50</td>
<td>40</td>
<td>10</td>
<td>Wimbledon Ave Meadows (Private lateral)</td>
<td>Blockage due to Debris/Rags</td>
</tr>
<tr>
<td>743954</td>
<td>7/27/2009</td>
<td>100</td>
<td>100</td>
<td>0</td>
<td>Welk Garden Villas (Private lateral)</td>
<td>Contractor Sand Tee Backed Up</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Woods Valley Ranch</td>
<td></td>
</tr>
<tr>
<td>717643</td>
<td>1/3/2007</td>
<td>250</td>
<td>225</td>
<td>25</td>
<td>Pebble Beach MH#27</td>
<td>Contractor Sand Tee Backed Up</td>
</tr>
</tbody>
</table>

Annual SSO Events

- Lower Moosa Canyon
- Woods Valley Ranch
**Lower Moosa Canyon WRF Collection System**

SSO Volumes

- **2007**: 150 gallons
- **2008**: 50 gallons
- **2009**: 170 gallons

Legend:
- Blue: Volume Recovered or Treated in Place
- Red: Volume Reaching Surface Waters

**Woods Valley Ranch WRF Collection System**

SSO Volumes

- **2007**: 225 gallons
- **2008**: 25 gallons
- **2009**: 25 gallons

Legend:
- Blue: Volume Recovered or Treated in Place
- Red: Volume Reaching Surface Waters