

## **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**

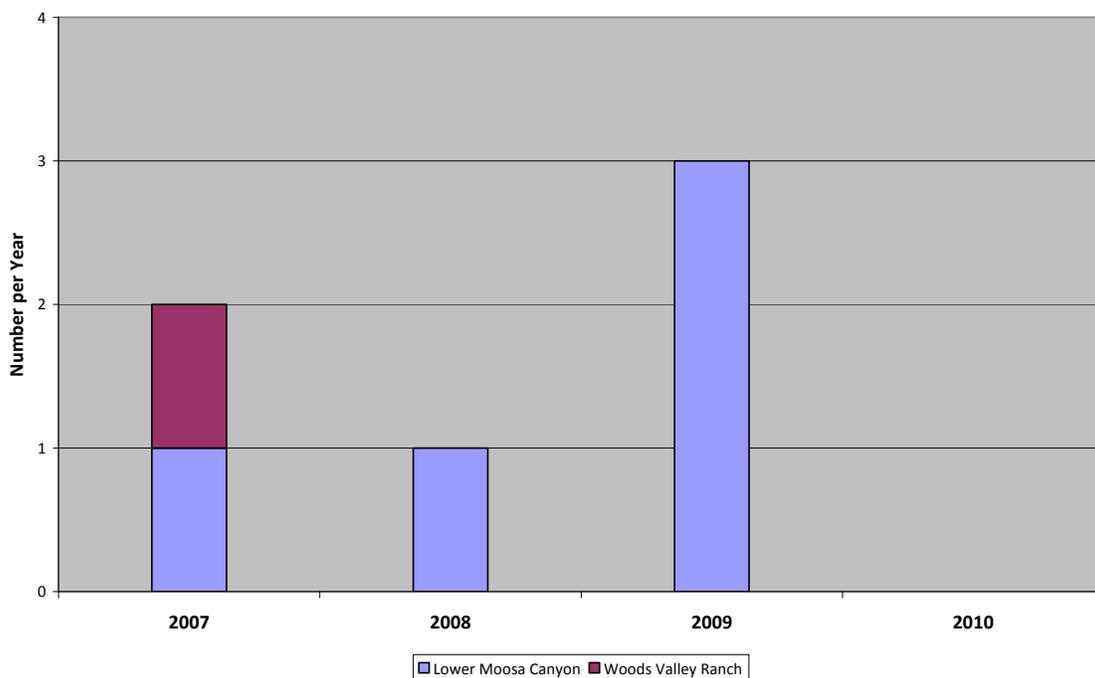
**Sand Tees** - All sand tees have been removed from the system. When sand tees are installed after new construction, district inspection staff will verify that contractors are performing inspections and cleanings as required.

**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.

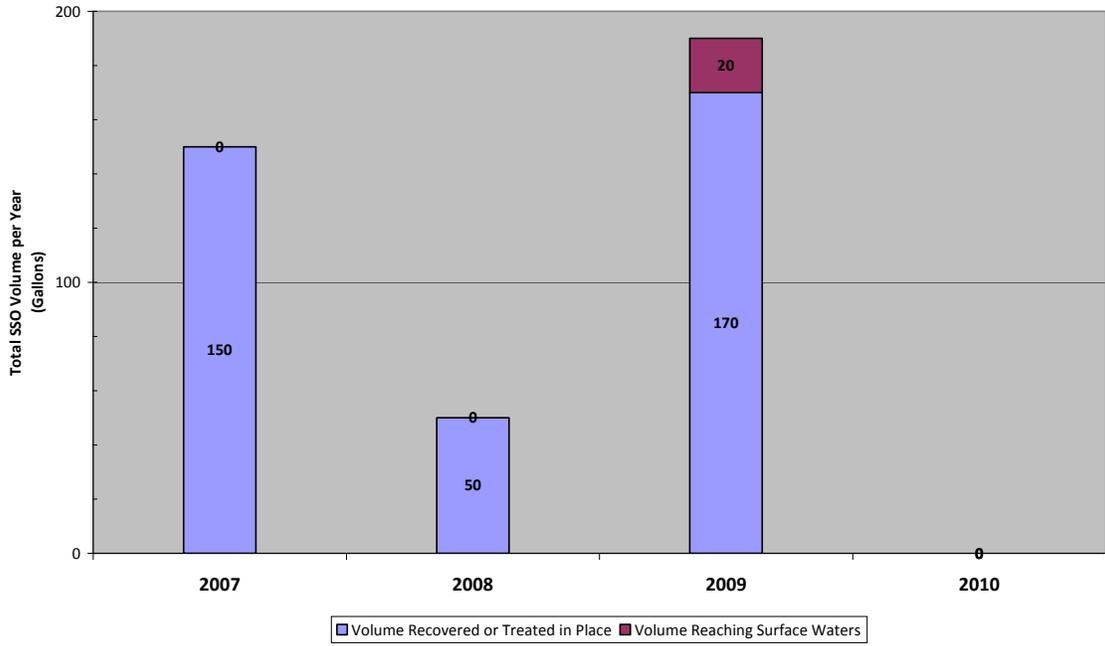
**Table 1  
Sanitary Sewer Overflow Event Summary  
for Calendar Years 2007 through 2009**

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

**Annual SSO Events**



### Lower Moosa Canyon WRF Collection System SSO Volumes



### Woods Valley Ranch WRF Collection System SSO Volumes

