

SUNLAND WATER DISTRICT

Commissioners Meeting

September 2013

Manager's Report by Mike Langley

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## Financial Report by Celeste Lilley

### Water Reclamation Facility

- On August 26<sup>th</sup> Willy met Steve Langley at the old Lake Stevens Wastewater Facility where they used winches, cables jacks, blocks, timbers, and an assortment of other manual devices to load the 3500 pound steel backwash tank onto Steve's car trailer. Steve used his  $\frac{3}{4}$  ton 4x4 truck to tow the trailer to SunLand where they off loaded the backwash tank with straps and our backhoe. No problems! The backwash tank now rests next to the treatment plant. The bill has been paid and we await engineering assistance for equipment placement.
- Straits Electric has installed the Automatic Transfer Switch for the emergency backup generator at the upper reservoir and made all the electrical connections for the controls. Next there is to get the generator service technician here for final adjustments and startup. That should happen before our October meeting.
- When Dan Thompson from the City of Tacoma visited the SunLand wastewater treatment facility last month he saw some issues with the biosolids material and also suggested contacting a firm that only does lagoon emptying services.

- Bryan Carroll of the Tervita Corporation requested photos which I provided. After seeing the photos and asking more questions, he was concerned about the vegetation mixed in with the biosolids. Bryan thought the project was quite small for what they are accustomed to and that it would be too costly for the District to contract with them. I am continuing a conversation with Bryan and passing any information on to our engineers at BHC.
- The Magnetic Flow Meter that measures the total inflow at the WRF has been ordered for replacement. The replacement will require a mad dash with a septic pump truck at the ready. We're preparing for that work now. The total cost for this project should be under \$5,000.00

### **Meter Setters**

- Scott is installing meter setters primarily on Sunland Drive, and in Divisions 16 and 11.

### **Water Consumption Metering Results**

- Readings from our water meters on occupied single family residential lots in SunLand for August averaged **374** gallons per day. The average daily consumption, based on an annual average per connection, is **204** gallons. The SG&CC facility has averaged **542** Gallons per day over the last 30 days, compared to a historical average daily consumption of **1014** gallons.

### **Other**

- SWD personnel installed a steel door and reinforced the jam and frame with steel at the lower reservoir/well site. These measures will also be implemented at the upper reservoir/well site. Motion activated lighting will also be installed at both locations.

- **Regarding the replacement of the No. 2 well pump, I recommend that the district seriously consider investing in a thorough health analysis of its primary water source. It's imperative to have adequate water rights, which the district has. But, it's equally imperative to know the condition of the aquifer from which our water comes.**

**With my knowledge and investigation I know of no hydro geological analysis that has been conducted on either of the SunLand well sites. An accredited geology and groundwater professional firm would be contracted to perform this work to include a well performance test (to determine the capacity of the aquifer), a pump test (to determine at what rate we can pump with our well/pump, a video inspection (to determine the condition of the well column and screens), data review (to document all historical information from SunLand and neighboring areas), and a project report.**

- The Sanitary Survey for the SunLand Water System conducted by the Washington State Department of Health was completed on August 20<sup>th</sup>.

Virpi Salo-Zieman, Regional Engineer, had a few items she felt needed to be addressed by the district and those are:

1. Install sample taps at the well heads
2. Disconnect the chlorination lines from the well heads
3. Add language to the coliform monitoring plan to require sampling at the source in the event of a bad sample
4. Securer overflows and reservoir drain lines
5. Add seals to reservoir access doors
6. Replace reservoir ventilations screens with finer mesh
7. Upgrade our Cross Connection Control Plan

This inspection will be scheduled again in three years (2016)