

## **Forest View Acres Water District**

Operations Report –May/June 2013

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### **Arapahoe Water Plant**

- This facility has run minimally since the thaw of the Surface plant mid May.

### **Surface Water Plant**

- The Surface plant has been running well producing upwards of 100,000 gallons per day.
- We are in need of some tweaks to the programming of the PLC and have been in communication with Ted from Golder.
- To reiterate our thoughts on the frozen line over the winter;
  - We have never before had the capability of automatically drawing down the level of the reservoir and therefore psi in the inlet piping.
  - When the psi dropped, the pressure-regulated cla-valve did not function properly. This valve relies on a differential pressure to open. It is prompted by an electric solenoid which opens and allows pressure from the inlet side to force open the diaphragm.
  - We were attempting to treat as much water as possible from the surface source and therefore had the bypass valve throttled back significantly. This may have hindered the flow from the inlet when the plant shut down.
  - The new inlet area was showing signs of potential freezing in late November early December which prompted conversations with JDS Hydro. Please see the attached email.
  - The inlet has frozen in the past (almost every year) Brenda has always been able to access the inlet by chipping through the ice to expose the intake screen. With the camouflage of the rock and screen in place, accessing the intake was impossible.
  - JDS believes that the line froze somewhere on its way to the plant. This is likely as it is visible at the surface in some areas.
  - ORC made multiple attempts to thaw this line in January 2013, all with no success.

### **Landscaping Estimates**

- We have 2 bids from landscaping companies for re-seeding areas that we dig up due to line breaks.
- Sharpest Cut will do \$1.50 per sq/ft with a \$200 minimum on areas under 100 sq/ft.
- Please see the attached estimate from Semper Fi Handyman at \$0.85 per sq/ft.

### **Golder Contract**

- Please see the attached and updated contract from Golder and Associates. They have removed and made clarifications of language per the boards request.

### **Distribution System**

- A house on Range View that was supposed to be winterized was found to have had water running through the meter all winter. The meter had not been read monthly, as it was assumed to have the same reading. It was found that 900,000 gallons had gone through the meter. This water has not been accounted for in the production sheets or discrepancies. I will attempt to account for this water on the updated production sheet, available at the meeting.