



# Tulare Irrigation District Operation & Maintenance Report



2013 Quarter 4

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## **District Safety Program**

The District Superintendent continues to conduct a series of Tail-Gate safety meetings during the week to keep employees mindful of safety precautions and the proper operation of equipment. The following safety meetings were conducted by the District Superintendent:

- Global Harmonized System (GHS) is the new system that replaced the MSDS system. The staff was educated on the new system and what new changes have been implemented.
- A field ergonomics training course was held to help employees properly carry out daily work duties to prevent long-term injuries.
- District staff was trained on the proper use of fire extinguishers.
- District staff was given a “Hang Up and Drive” training session to prevent vehicular accidents.

## **Maintenance Operations**

Under the direction of Wayne Fox, District Superintendent, staff addressed maintenance concerns throughout the District.

The major maintenance projects include:

- Reconstruction of Packwood Canal near Avenue 228. Involved importation of material, embankment compaction and canal grading.
- Continued turnout maintenance and replacement.
- Fabrication of recharge basin gates (roadway gates) and installation throughout the District.
- Continued grading of District canals and facilities.
- Dredging of the Main Intake Canal along Charter Oak Drive.
- Fabrication of the new cement truck bed.
- Installation of a reinforced concrete pad below the water truck overhead fill system. This included a drainage pipe from the pad to the storm drain system in the District yard.
- Collection, removal and discarding of tires collected in canals and facilities.
- Fabrication of screens for reservoir outlets.

## **Vehicle Maintenance Program**

The Vehicle Maintenance staff (VM Staff) has been busy maintaining and repairing construction and maintenance equipment. The maintenance issues that have been addressed include:

- 90-day inspections were conducted on all vehicles required by the Department of Transportation. Issues discovered during the 90-day inspections were fixed and the vehicles were put back into the fleet.
- Major maintenance and repairs on the District mower.
- Repairs on the loader fuel system.
- Rebuild the starter on the motor grader.

## **Herbicide Application Program**

The Herbicide Application Staff (Herbicide Staff) has been working on applying herbicide chemicals to District canal embankments. District staff has also begun to implement the Tiger Mower within the District and Grader/Sloping operations. The Tiger Mower has been heavily used over the last two years and also required a great deal of maintenance and repair before and during operations.

The following chemicals were used at the specified rates:

<b>Chemical</b>	<b>Rate</b>	<b>Units</b>
Finale	2.5	Gallons
Milestone	825	Ounces
Reward	129.5	Quart
Roundup	135	Gallons
Surflan AS	72.5	Gallons

## **Construction Projects**

The District conducted the following construction projects:

### **Berbereia Pad**

The District assisted Alvin Berbereia in constructing a compacted pad for a new shop. Mr. Berbereia will reimburse the District for the labor, materials and equipment used to construct the pad.

## **Pictures**



Reconstruction of Packwood Creek along Avenue 228.



District turnout repairs.



Main Canal shaping operations with rented dozer mounted with sloping blades.



District turnout repairs.



Water truck overhead fill splash pad.



Mowing operations.



Main Intake Canal grading operations along Charter Oak Drive.



Main intake Canal grading operations along Charter Oak Drive.



District turnout repair.



Main Canal grading with District grader.



Removal of silt in Packwood Canal at Avenue 228 before reconstruction.