



# Tulare Irrigation District Operation & Maintenance Report



2012 Quarter 3

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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.

## **Maintenance Operations**

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

The major maintenance projects include:

- Replacement of a crossing on the Northwest Ditch.
- Replacement of a crossing on the Domingos Ditch.
- Replacement of a crossing on the Ravisconi Ditch.
- Turnout maintenance and repair throughout the District.
- District grading operations continued.
- Continued mowing of District canals ahead of the grading operations.
- Dredging of the Main Canal at Paige Avenue.
- Dredging of Cameron Creek at the headworks.
- Spreading of sand on canal roadways throughout the District.
- District yard maintenance was done to clean debris and materials from around the yard.
- Canal and easement cleanup at Mooney Boulevard and Bardsley Avenue at the Main Canal.

## **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:

- Grader repairs including reconstruction and repair of sloper and repair of alternator.
- Annual vehicle inspections were performed on vehicles.
- Annual smog and smoke tests were performed on all vehicles and equipment.
- Installed hour-meters on low-mileage vehicles.
- Repairs on construction equipment including the replacement of a roller on the skidsteer, general grader repairs and replacement of a hydraulic motor on the mower.

## **Herbicide Application Program**

The Herbicide Application Staff (Herbicide Staff) has been working on applying limited herbicide chemicals and began the implementation of applying ground sterilants to district canal embankments.

The following chemicals were used at the specified rates:

<b>Chemical</b>	<b>Rate</b>	<b>Units</b>
Aqua Cap	35	Gallons
Finale	1.25	Gallons
Goaltender	34.5	Quart

Karmex	431	Pounds
Milestone	242	Ounces
Reward	126	Quarts
Roundup	103	Gallons
Surflan A.S.	10	Gallons

### **Construction Projects**

The District construction staff under the direction of Mr. Fox has been working on the following projects:

#### **Swall Basin**

- District staff continued to excavate material and construct embankments around Cell #3 in the month of October and November.
- District staff completed the fine grading of Cell #2 and subsequently deep-ripped the bottom of the basin.
- In December, District staff completed excavation and grading of Cell #3.
- District staff has installed meters and stands on all inlets.
- District staff has started to fabricate road gates to be placed around the basin.

#### **Miscellaneous District Construction**

- District staff moved grading equipment from the Swall Basin project over to the Cordeniz property on Cartmill Avenue. A plan was created to construct short basin embankments around the property and grade the property to allow for a shallow basin to be created.

### **Pictures**



Installation of a crossing on Harris Ditch at Leal's Dairy (replaced old corrugated metal pipe).



Installation of a crossing on Domingos Ditch at Road 64 on west side of road (replaced old corrugated metal pipe).



Installation of a crossing on Domingos Ditch at Road 64 on east side of road (replaced old corrugated metal pipe).



District staff deep-ripping the southeast cell of Creamline Basin



Replacement of corrugated metal pipe on Ravisconi Ditch (west of Road 28).



Sand trap installation.



Replacement of corrugated metal pipe on Ravisconi Ditch (west of Road 28).



Replacement of corrugated metal pipe on Ravisconi Ditch (west of Road 28).



Canal easement cleanup at Main Canal and Mooney Boulevard/Bardsley Avenue.