



# Tulare Irrigation District Operation & Maintenance Report



2016 Quarter 1

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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. Safety meetings were conducted on:

- Portable Generator Training
- Work Zone Traffic Safety
- Eye and Face Protection Training
- Rigging Safety Practices
- San Joaquin Kit Fox Identification Training

## **Maintenance Operations**

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

The major maintenance projects include:

- District canal trash removal with attention to the homeless issues in canals near the City of Tulare
- Haul trash and tires to County dump
- Weir board replacements in anticipation of water run
- District turnout gate maintenance
- Discing operations in District basins
- Repair of downstream culvert apron on Northbranch Canal at Mooney Boulevard (County RMA Building)
- Import aggregate base for compacting and grading of yard around shops
- Replacement of turnout on Sanchez Ditch
- Repair of air vent on St. Johns River Siphon
- Haul and placement of rock at the upstream side of the St. Johns River Siphon
- Excavate rock at the Main Canal Intake

## **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:

- Standard repairs on maintenance truck fleet
- Standard service of construction equipment and trucks
- Repairs on ditch trucks
- Repairs on tool truck
- 90-day Department of Transportation Inspections
- Shop and yard cleanup

## **Herbicide Application Program**

The Herbicide Application Staff (Herbicide Staff) has been working on applying herbicide chemicals to District canal embankments including the application of pre-emergent chemicals. The Herbicide Staff also applied squirrel bait in areas throughout the District.

The following chemicals were used at the specified rates:

<b>Chemical</b>	<b>Rate</b>	<b>Units</b>
CDFA Bair	12	Pounds
Dimension	200	Ounces
Diquat	560	Quarts
Diuron	1,653	Pounds
Finale	2.5	Gallons
Milestone	692	Ounces
Payload	216	Pounds
R.U. Custom	15	Gallons
Reward	23	Quarts
Roundup	617	Gallons
Up-End	293	Gallons

### **Construction Projects**

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

#### **Joe Mattos Crossing**

- Joe Mattos requested a crossing on the Bender Ditch
- 36” reinforced concrete pipe was installed
- 32’ crossing width

#### **Eric Westra Crossing**

- Eric Westra requested a crossing on the Northwest Ditch
- 48” reinforced concrete pipe was installed
- 32’ crossing width

**Pictures**



Repair of Northbranch Canal at Tulare County RMA Culvert.



Replacement or aggregate base at shop yard.



Repairing upstream canal banks.



Repair of St. Johns River Siphon Vent.



Mattos Canal Crossing Installation.



Westra Canal Crossing Installation



Basin Discing Operations.



Turnout Repair.



Rock Placement at St. Johns River Siphon.