



# Tulare Irrigation District Operation & Maintenance Report



2016 Quarter 2

Prepared By:  
Aaron Fukuda & Wayne Fox  
July 11, 2016

## **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:

- Heat Stress Training
- Diesel Fuel Tips
- Portable Ladder Training

## **Maintenance Operations**

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

The major maintenance projects include:

- Replacement of turnouts requiring excessive repairs and/or needing immediate attention
- Repair turnouts throughout District in preparation for irrigation run
- Repair inlet structure at Swall Basin
- Repair crack in structure on North Branch Canal at Mooney Boulevard
- Dredging of Main Canal along Paige Ave.
- Haul and place rock on Evans Ditch at Avenue 260
- Repair wash-ins on Main Intake Canal
- Replacement of weir boards at the Wutchumna Ditch Headgate
- Various repairs on area pipelines
- Rip-rap placement and shaping at North Branch Canal and Road 124
- Trash removal at various culverts ahead of irrigation run

## **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 and maintenance on truck fleet
- Repairs to Chevy Tool Truck
- Repairs to Flatbed 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 Bait       | 132         | Pounds       |
| Diquat          | 285         | Quarts       |

|           |       |         |
|-----------|-------|---------|
| Finale    | 63.75 | Gallons |
| Lifeline  | 1,639 | Quarts  |
| Milestone | 39    | Ounces  |
| Roundup   | 436   | Gallons |

### **Construction Projects**

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

#### **City of Tulare “I” Street Basin**

- Installation of two prefabricated inlet structures
- Installation of two 42” waterman canal gates

#### **Cordeniz Basin Project**

- Demolition of existing tree, fencing, irrigation pipelines and debris located on the project site
- Construction of equipment yard
- Installation of temporary crossing
- Removal and relocation of Enterprise Basin easterly levee to allow for a storage area

### **Pictures**



Tree removal at the Cordeniz Basin Project.



Site clearing at the Cordeniz Basin Project.



Turnout repair.



Area 10 pipeline repair.



Replacement of boards at Wutchumna headgate.



Rip-rap placement.



Existing irrigation line removal at Cordeniz Basin Project.



Discing at Cordeniz Basin Project.



Enterprise Basin levee relocation at Cordeniz Basin Project.



“T” Street Basin inlet structure installation.



“T” Street Basin inlet structure installation.



Trash removal at culvert.