



Tulare Irrigation District Operation & Maintenance Report



2013 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 chainsaw safety, man-lift safety and the code of safe practices was reviewed with the staff. The District Superintendent also attended a training course on OSHA safety.

Maintenance Operations

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

The major maintenance projects include:

- Tree maintenance program on Packwood Creek, Main Canal, Oakland Colony, Oakland Colony West, Cameron Creek and Rockford Canal. Trees are being trimmed to remove the lower canopy to allow for easier maintenance of canal banks and to reduce damage to District vehicles and equipment.
- Dredging of material was conducted on the running cell at Anderson Basin, Packwood/Main Canal at Section 7 and the Main Canal below Watte Basin.
- Grading of the upstream Main Intake Canal was completed.
- Canal maintenance on Main Intake Canal was conducted to reshape the canal prism. Included in this operation was the importation of large amounts of dirt to re-establish canal embankments where adjacent landowners have washed in the embankments.
- District staff installed a new long crested weir and crossing on Cate Ditch.
- Replacement of a crossing on Main Canal at Road 36.
- Installation of an outlet structure at the outlet pipeline from Doris Basin.
- The District began the spring maintenance of basins by using the new John Deere tractor to disc basins.
- General yard maintenance was performed around the District office facility.

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:

- The sloper installed on the rental grader was removed, and the grader was returned to the rental agency.
- The District grader was brought into the shop for maintenance. Several hydraulic leaks were identified and repaired.
- Komatsu (Road Machinery) performed a site visit to assess the PC300 excavator for several issues. The technician identified the problems and Road Machinery is currently performing repairs.
- The deck of the tilt trailer was replaced.
- 90-day inspections were performed on all trucks.
- The articulating mower was repaired for fatigue in motor mount bolts. Towards the end of January the mower was also removed from the rental tractor and serviced.
- The large spray truck was sent for repairs on the front-end.

Herbicide Application Program

The Herbicide Application Staff (Herbicide Staff) has been working on applying herbicide chemicals to District canal embankments.

The following chemicals were used at the specified rates:

Chemical	Rate	Units
Aqua Cap	85	Gallons
Diphacinone	100	Pounds
Goaltender	4	Quart
Karmex	50	Pounds
Milestone	1,324	Ounces
Reward	647	Quarts
Roundup	783	Gallons
Surflan A.S.	195	Gallons

Construction Projects

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

Swall Basin

- Installation of bar gates and basin road entrances.
- Installation of trash screen on canal gates.
- Raising of the grade around the groundwater well between Cell #1 and Cell #3.
- Construction of SCADA securing enclosures.
- Started installation of power and electrical control equipment.

Pictures



Replacement and repair of turnout.



Main Intake Canal channel maintenance.



Installation of traveling water screen at Main Canal and Creamline Basin. AquaSystems provided this equipment as a test.



Headwall and long crested weir installation.



Small long crested weir installation. Fabricated in shop and installed in field this type of small and quick installation allows for better control of canal levels.



Outlet structure installation at Doris Basin.



Tree trimming maintenance program.



Dredging operations.



Basin maintenance program (discing of basins) with new John Deere tractor.