



DESIGN SOUTH PROFESSIONALS, INC.

engineers architects planners

'28 YEARS OF RESPONSIVE SERVICE'

MONTHLY PROGRESS REPORT

To: Terry Pruitt
General Manager, Pioneer Rural Water District

From: Greaton Sellers

Project: ***Lake Hartwell Water Treatment Plant, Raw Water Pump Station and Intake, Raw Water Transmission Main
Pioneer Rural Water District***

Project No.: 0743

Date: March 6, 2018

For the period beginning February 1st and ending February 28, 2018, the following construction activities have been accomplished for each project area.

RAW WATER INTAKE AND PUMP STATION

Area 02 – Civil:

- No work was done during this time period.

Area 20 – Raw Water Intake:

- No work was done during this time period.

Area 30 – Raw Water Pump Station:

- No work was done during this time period.

RAW WATER TRANSMISSION MAIN

Area 02 – Civil:

- Approximately 350 feet of the 20-inch Raw Water Transmission Main was installed from the Pretreatment structure along the water treatment plant access road.

WATER TREATMENT PLANT

Area 02 – Civil:

- Approximately 100 feet of the 24-inch Finished Waterline was installed from the Finished Water Pumping Room.
- Approximately 420 feet of the 4-inch potable waterline was installed from Pretreatment to the Finished Water Pumping Room.
- Concrete was formed and poured in the following locations:
 - The Water Treatment Plant generator pad.
 - The Water Treatment Plant transformer pad.
- Conduit, cables and pull boxes were installed for underground power.

Area 40 – Pretreatment:

- The flocculation basin and clearwell overflow pipes were installed.
- The 6-inch mud valves and stems were installed in the flocculation basins.
- The 20-inch inlet line to the rapid influent chamber was installed.
- The 20-inch bypass line was installed around Pretreatment to the clearwell.
- The two 20-inch butterfly valves at the inlet line and bypass lines were installed.
- The 4-inch sludge blowdown line was installed from the exterior of the sedimentation basin to Manhole-2.
- The two 4-inch sludge blowdown flow control valves were installed.
- The rapid mix influent chamber and both rapid mixed chambers were coated.

Area 60 – Membrane Filtration Building:

- Concrete was formed and poured in the following locations:
 - The membrane building footing in the southwest corner of the building.
- Stone was added to portions of the membrane building for the base of the membrane building slab.
- Electrical conduit was installed in the electrical room.



Area 70 – Finished Water Storage:

- Concrete was formed and poured in the following locations:
 - The Finished Water Storage tank dome.
- Prestressed wires were wrapped around the Finished Water Storage tank.
- Shotcrete was applied over the prestressed wires.

Area 75 – Finished Water Pumping:

- No work was done during this time period.

Area 80 – Chemical Feed:

- Concrete was formed and poured in the following locations:
 - Chemical Feed area recessed slabs.
 - Fluoride room recessed slab.

Area 95 – Residual Handling:

- No work was done during this time period.

PERSONNEL AND EQUIPMENT

1. Harper Corporation:

- Kubota SVL 75-2 Compact Track Loader.
- Caterpillar D5G LGP Bulldozer.
- Takeuchi TB135 Excavator.
- Caterpillar 314C LC Excavator.
- Caterpillar 930K Loader.
- Hamm 880109 Roller
- Caterpillar 330L Excavator.
- Eleven workers on site.

2. Hayes and Lunsford:

- Bobcat E39 Excavator.
- Four workers on site.



3. Payne, McGinn and Cummins:
 - Kobelco SK170 Excavator.
 - Doosan 140LCR Excavator.
 - Five workers on site.
4. Precon Corporation:
 - Eight workers on site.
5. Southern Painting and Maintenance Specialists, Inc.
 - Three workers on site.
6. Payne, McGinn and Cummins:
 - Doosan 140LCR Excavator
 - Kobelco SK170 Excavator
 - Four workers on site.

MATERIALS DELIVERED

- DeZurik, Inc. – 4-inch Eccentric Plug Valve: 2 each.
- Pleasant Mount Welding, Inc. – Pretreatment Aluminum Grating: 665 Square Feet.
- Pleasant Mount Welding, Inc. – Pretreatment Aluminum Railings: 364 Feet.

PRECIPITATION

- 5.71 inches of precipitation fell during this time period.
- There was one (1) day (February 7, 2018) of lost work due to precipitation during this time period.

GWS:jsc

c: Debi Green, Area Specialist, USDA/Rural Development
Heather Bryant, Pioneer Rural Water District

