

Update on Agua Fria Dam Rehabilitation and Pipe Repair Project

10/30/2020

POGGI 2018-565

Rogue Resources, Inc and Telesto Solutions, Inc were able to complete this year's phase of the Agua Fria Dam Rehabilitation and Pipe Repair Project. The work was completed on 10/8/2020.

On August 21, 2020 Rogue Resources moved equipment and supplies to the reservoir and cleaned more debris and mud from the face of the dam. They fused the HDPE pipe and pulled it to the front of the dam to prepare for pulling the pipe through the old culverts. August 31, they pulled the pipe through. A concrete pad was poured at the outlet side of the pipes to provide support and prevent erosion. More time was spent hauling material, supplies, and moving equipment to prepare for grouting the pipes. There was a week's delay because of a snowstorm. September 28, the grout was pumped around the pipes.

The work then began to rebuild the headwall, which included cleaning loose rock and old concrete from the headwall site, building forms and pouring concrete. Rouge then installed new headgates and anchored the framework for the headgates to the dam. A trash rack was also installed in front of the new pipes. A walkway and platform were also built and installed to access the headgate wheels at the top of the framework.

A debris curtain was fabricated and hung to help prevent the floating debris from pounding the dam face.

The old headgate frame and unused materials were hauled out and the site was cleaned.

We were very fortunate to have completed this phase of the project as there was a forest fire four miles west of Agua Fria and the reservoir was just outside the closure area. Thanks to local Forest Service personnel they were able to keep the closure boundary west of Agua Fria.

Next year the dam face will be restored. The work was not done this year as there was much debate between Dana Miller, State Engineer, and Scott Gustin, Telesto engineer, as to which process and material would be the most effective and durable at 10,500 ft elevation.

