RECLAMATION

Managing Water in the West

Status Report, no. 13, April 1, 2009 through June 30, 2009

Savage Rapids Dam Removal and Replacement Pumping Facilities
Grants Pass Project, Oregon
Pacific Northwest Region

View upstream shows bays 1-5 broken out. 6/17/09

U.S. Department of the Interior
Bureau of Reclamation
Pacific Northwest Regional Office
Boise Idaho

BUREAU OF RECLAMATION
Pacific Northwest Regional Office

Savage Rapids Dam Removal and Replacement Pumping Facilities
Grants Pass Project, Oregon
Pacific Northwest Region

Status Report No. 12 – January 1, 2009 through March 31, 2009

April 2009

April 7 was the beginning of the in-water work period for the dam removal stage of the project. Slayden switched flow to the radial gates and performed fish recovery from the fish ladder. They began construction of the downstream cofferdam and working in the upstream cofferdam area preparing to begin sheetpile installation. Sheetpile wall construction began on April 8.

Work inside the pumping plant continued in preparation for the pump testing and start of irrigation.

The right side cofferdam was completed April 24 and the gate closure initiated on April 27. Water was flowing over the dam and through the south ladder on 4/28.

May 2009

Slayden removed the old Highline pump discharge line above Highway 99.

High flows in the Rogue River during the week of May 3, peaking at 11,200 cubic feet per second, damaged the downstream coffer dam but did not breach it. Slayden made necessary repairs during the event and the demolition schedule

was not impacted. The downstream-right side coffer dam served its purpose.

Removed the old concrete thrust block from the Highline-Savage discharge line. System improvements continued in the pumping plant computer system. The pumping plant went on-line for irrigation on May 11.

June 2009

Slayden began demolition of the dam in bays 2 and 3 on June 1.

On-site acceptance tests (OAT) were conducted for the pumping plant equipment. There were no major problems identified during the tests.

Slayden and sub-contractor, Northwest Demolition, completed demolition of the dam on bays 1 through 6 on 6/24. Reinforcing steel was separated from the waste concrete and the concrete was stockpiled for later use as fill in south fish ladder.

Slayden began the construction of the concrete plugs upon the completion of the concrete demolition.

The Pumping plant operated continually and satisfactorily throughout May and June even though three pumps had to be sent back to the factory because of high vibration problems.

Pumping plant operation training for GPID personnel was conducted by Tice Electric and other sub-contractors.

Schedule and Concerns

The work remains on schedule at the end of the period.

The interagency group met on April 16, May 19, and June 17, 2009 to discuss the progress of the work and upcoming

fisheries and environmental issues. The group met at the site and discussed modifications to the south fish ladder to be implemented prior to the construction of the right side cofferdams in April.

The weather this period was stormy in early May with the Rogue flows at Grants Pass reaching 11,200 cubic feet per second. Higher than normal flows continued through the period.

There was a property damage accident on June 17, 2009 when a haul truck rolled backwards into an excavator.

Work Cessation – None. Modifications to the south fish ladder provided fish passage during May and June.

Fish Screen – The screen covers were removed in early April to allow pump testing and re-installed during the high flows in early May.

Isolation and Fish Recovery – April 7 began the in-water work period for this stage of the project. Contractor switched flow to the radial gates on Tuesday and performed fish recovery from the fish ladder.

Photos

Driving sheet pile for upstream coffer dam. 4/16/09


South side fish ladder modifications. 4/16/09

View of downstream coffer dam construction. 4/15/09

View of upstream coffer dam. 4/15/09

View of Highline/Savage Canal Outlet during pump testing. 4/15/09

View of bays 1-4. 5/19/09

Removing old Highline/Savage Pipeline. 5/20/09

Concrete demolition, bays 3 and 4. 6/16/09

Concrete demolition, bays 3 and 4. 6/16/09

View of bays 1-6 concrete demolition completed. 6/23/09

Placing the plug for the old Highline/Savage pipe, a piece of which is seen in the foreground. 6/30/09

View of the pump truck and concrete truck on the existing dam apron placing concrete in the sluice gate and wall plugs. To the right the Link-belt backhoe dismantles the D/S fabric wall. 6/30/09