

CENWW-ODO

Date: 2019-08-14

MEMORANDUM FOR THE RECORD 19 LMN 10 MFR Bird Sprinkler Pump Motor Failure

SUBJECT: Outfall Pipe Bird Sprinkler Failure.

Narrative: The bird sprinklers on the outfall pipe were found not operating at daybreak on Thursday, August 8. Project electricians verified the motor that runs the pump had failed and was not repairable. A new motor and pump for the sprinklers was already on hand at the fish facility. The old pump and motor were removed with a crane and the new pump and motor were altered to fit the system. The new pump was lowered into place on Monday, August 13. The install was complete and the new pump became operational at 0800 hours on Tuesday, August 14.

Method: System was de-energized and old pump and motor were removed August 8 to be used as a template so the new pump would fit in place. New pump and motor were lowered in place on August 13. The pump and motor were plumbed to the system, wired up and operational at 0800 hours on August 14.

Time Line - Duration:

The motor and pump stopped operating sometime between evening of August 7 and daybreak August 8. Sprinkler system was down until new motor and pump were energized at 0800 hours 14 August.

A. Species: There were no known fish losses. Subyearling Chinook are the primary species of juvenile salmonids in the system at this time. The subyearling run has peaked for the year and numbers are dropping rapidly. Most fish are being collected for truck transport and released back in to the river (bypassed) every other day due to collection numbers being less than 50 salmonids per day. A small number of PIT tagged fish are currently the only juvenile salmonids exiting the pipe throughout the day. Piscivorous bird presence at the outfall pipe has been very low at Lower Monumental in 2019. The outfall pipe was fitted with a time lapse camera to ensure birds were not present when collected fish were being released to the river. Adult passage was not affected by this action.

B. Origin: NA

C. Length: NA

D. Marks and Tags: NA

E. Marks and Injuries Found on the Carcasses: NA

F. Future and Preventative Measures: Having a spare pump and motor on hand as part of our critical spare parts greatly shortened the amount of time the sprinkler system was not operating. The new pump and motor should last several seasons.

G. Photos Taken: None.

**Chuck Barnes
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