CENWW-ODG   **30 June 2020**

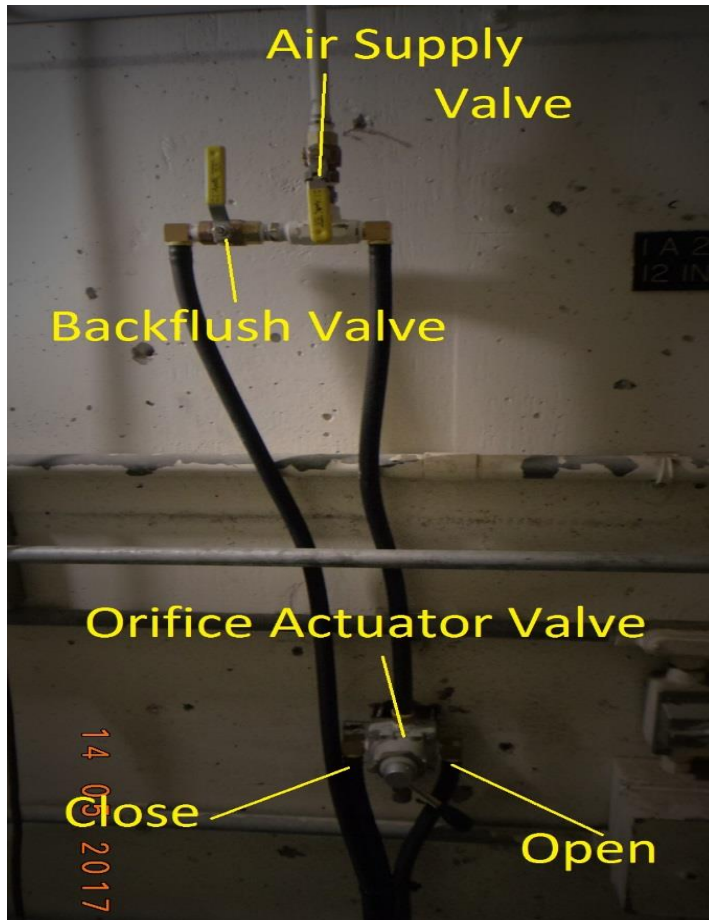**MEMORANDUM FOR THE RECORD – 20 LGS 12 Backflush Air Supply Orifice 1C1**

SUBJECT: On Sunday, June 21, Juvenile Fish Facility staff noticed an air leak on the backflush system for orifice 1C1. The leak is beneath the surface of the water in the juvenile collection system near the attachment point on the orifice and does not impact the orifice valve operation (Picture 1). Little Goose staff further investigated the issue on June 25 and determined that the airline could not be reattached or repaired until the juvenile channel was dewatered during winter maintenance.

Little Goose is not able to backflush orifice 1C1 at this time, however the open/close feature is still operational. Additionally, orifice 1C2 open/close and backflush is fully operational. In accordance to the Fish Passage Plan (Chapter 8, 2.3.1.3.), the cycling and backflush system must be operating correctly. Additionally, we are required to operate at least one orifice per gatewell slot. Lastly, we are required to backflush orifices at least one per day (FPP, Chapter 8, 2.3.2.4.).

Little Goose plans to continue to alternate between orifice 1C1 and 1C2. If debris issues arise, orifice 1C1 will be closed and 1C2 will be operated. If debris issues become a larger issue, the juvenile channel will have to be dewatered and repairs to the backflush system will be conducted. The current plan is to conduct repairs during winter maintenance as debris has not been an issue at Little Goose in 2020.

   A. Species – N/A
   B. Origin – N/A
   C. Length – N/A
   D. Marks and tags – N/A
   E. Marks and Injuries found on carcass – N/A
   F. Cause and Time of Death – N/A
   G. Future and Preventative Measures – Little Goose staff plan to repair the backflush airline on 1C1 and check the backflush system on all other orifices during winter maintenance.
   H. Pictures – N/A

Picture 1: Air supply configuration for Little Goose orifice backflush and valve operation.

Sincerely,
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