

CENWW-ODO

Date: 2020-06-30

MEMORANDUM FOR THE RECORD 20 LMN 05 MFR Temporary Deviation from Unit Priority Criteria

SUBJECT: Unit Priority Temporarily Disrupted due to Transformer Temperature Alarm

Narrative: Units 4 and 5 are currently last in unit priority due to having hydraulically fixed blades. River flows combined with summer spill operation led to the project operating 4 of the 5 available units during the week of 21 June. Unit 4 was started when spill was transitioned on 21 June at 00:01 and had been in operation continuously until a Transformer 1 'C' Phase high temperature alarm was received at 17:35. The operator contacted his supervisor, Sarah Wilson at approximately 17:37 and requested guidance. Based upon the available information, he was directed by the Chief of Operations, to start Unit 5 and shut Unit 4 down since different transformers service those two units. Unit 5 began generation at 17:51 with Unit 4 shut down at 17:57. This operation continued until 22:59 on 23 June, Unit 5 was operated as the 4th priority unit for fish passage while powerhouse personnel investigated the alarm and flows diminished to where generation from 3 units was sufficient to meet FPP requirements. Sensors on 'C' Phase of the transformer controlling the automatic fan system were found to be the issue; it was corrected and normal unit priority resumed at this time.

Method: Operator turned off Unit 4 and started Unit 5 to meet demand and to prevent damage to the equipment.

Time Line - Duration:

Unit 5 was online from 17:51 22 June until 22:59 23 June when flows receded to the point that 3 units could meet the demand.

- A. Species:** NA
- 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:** The Chief of Operations is working with Maintenance staff to ensure that alarm and trip points are accurately calibrated prior to the start of fish passage.
- G. Photos Taken:** None.

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