

**MEMORANDUM FOR THE RECORD 17 LMN 09 Unit 6 STS Stationary**

**SUBJECT: STS's remained stationary for approximately 43 hours when Unit 6 was brought back to service after installation of Digital Governor.**

Submersible Traveling Screens (STS's) are currently operating on cycle mode due to average collected juvenile salmonid lengths being over the 120 mm criteria point. Upon completion of the installation of the new digital governor, Unit 6 was operated between 15 August and 17 August for commissioning. The periods of operation varied in length from between 5 & 10 minutes up to just over an hour at maximum load to permit final adjustments to the new equipment. During these periods which did not exceed a total of 10 hours the STS's were in place but not functioning in cycle mode. Commissioning concluded 17 August 2017 at 16:36 when it was returned to service. Unit 6 then remained commercially available on stand-by until being started at 1301 on 21 August. It then remained in operation until 0730 on 23 August without the STS's rotating in cycle mode as stated in the Fish Passage Plan. This condition was found on Wednesday morning, 23 August, by a powerhouse operator. The operator switched the screens to continuous run mode until electricians could address the issue.

A pick-up on the unit's run circuit failed to be reconnected during the digital governor upgrade. This issue has been noted and will be double checked during additional digital governor upgrades. The STS's were returned to cycle mode after the repairs had been made.

Sincerely,  
Chuck Barnes  
Project Fisheries