

BOYCE HYDRO POWER LLC

A W.D. Boyce Trusts Legacy Enterprise

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14 August, 2018

Holly Frank
Aquatic Resources Branch
Division Of Hydropower Administration and Compliance
Federal Energy Regulatory Commission
888 First Street NE
Washington, DC 20426

**Subject: Status of Water Quality Monitoring (Articles 402 or 407)
Secord Dam P-10809, Edenville Dam P-10810, Smallwood Dam P-10809, Secord Dam P-10808**

Ms. Frank: In response to your request for information presented in your 3 August, 2018 letter, Boyce Hydro Power, LLC (Boyce), licensee for the referenced projects, provides the following information.

- 1) With respect to the circumstance of communications to the Commission regarding the necessity for deviating from the minimum flow requirement at the Sanford project on an intermittent basis during the month of July due to a lack of water flowing into the impoundments from the Tittabawassee River basin, Boyce has not received any communications in the past six weeks from resource agencies.
- 2) The 140 cfs minimum flow level that Boyce instituted on several occasions (not constantly) during the month of July was determined based on discussions with an industrial operations company located downstream from the Sanford Dam. Certain operations at that facility from time to time rely on a minimum level of water in the river that passes through their complex. Based on experimentation with flow regimes from the Sanford Dam and consultations with personnel at that company, it was determined that a minimum flow release of 140 cfs would sustain a water level conducive to operations at the industrial facility without causing the water level in the Sanford impoundment, and those three impoundments upstream from it, to drop below the minimum level dictated in the licenses.
- 3) Subsequent to the prior Boyce correspondence on the subject of collecting water temperature data which previously involved year round tailrace collection data only at the Sanford project, Boyce acquired and has installed water temperature devices at all four tailraces. The temperatures are recorded on an hourly basis and are reported to a SCADA system utilizing a datalogger.
- 4) The tailrace water monitoring, limited to the Sanford project, has been in effect since at least 2006. Water temperatures in the impoundments have always been monitored on a daily basis by the plant operators, once a day except during the summer when additional remote monitoring devices are placed at numerous locations in the impoundments. The data is recorded on an hourly basis, however, the devices are retrieved on a weekly basis and the data downloaded into a chart that is compiled for the annual water quality report.

Sincerely yours,



Lee W. Mueller, Architect
Co-Member Manager
Boyce Hydro Power, LLC

Cc: Rollin Reineck

Document Content(s)

2018-08-20 BHP ltr response to HF ltr 2018-08-03.PDF.....1-1