

Blind River GS Monthly Report – August 2022

Production

Unit #1 (to Town Hall):

RGM: 00.00 kWh

RGM = Revenue Grade Meter

Unit #2 (to STP):

RGM: 00.00 kWh

Downtime

Unit #1 was down for the month.

Unit #2 was down for the month due to low water.

Maintenance

Over 20 hours onsite for regular maintenance service, and over 25 hours of on call coverage. A summary of the work completed includes:

- Daily checks consisting of daily measurements and records, trash rack cleaning, observations, etc.
- General cleaning and sanitizing was performed regularly.
- Monitoring leakage.
- Gutters were cleared on August 3rd.
- Greasing completed on August 5th
 - Generator 2, due again in 4 wks.
 - Unit 2 Pilot bearing, due again in 4 wks.
 - Adjustments to schedule are made for down time.
- Pulled weeds from powerhouse roof on August 11th.
- HITE services attended the site on August 15th with MNR per our access to inspect the gantry and added a sign that indicates the max weight permitted to lift.

Repair Work

Powerhouse:

- Exhaust fan will need to be replaced. Looking into specs and obtaining quotes to work into next year's budget.

Unit #1:

- Engineering company attended the site on August 9th to take field measurements of the headgate and obtain information to prepare solution for hoisting the headgates to permit their safe operation and allow maintenance of the units.

- Unit #2:
 - None.

Outstanding Items

On June 23rd we noticed with all logs in the dam, the mechanical gate closed and Huron water level down so much, you can see the hinge leakage. After reviewing historical documents, it appears to have had some leakage since installation, but the leakage may have increased since the beginning. As Huron has been higher over the last few years, it has not been as easy to spot/monitor. From downstream we noticed the front sill under the logs of the bay next to the mechanical gate appears to be missing partially, as the logs appear to overhang and under them is the leakage that was previously investigated. Both of these observations were reported to the MNR. We will plug the gap under the logs with a burlap plug once approved, however we are unable to stop the leakage from the gate as it is from the hinge at the bottom. On August 15th while providing MNR with dam access to bring their contractor to inspect the gantry and hoists for logs, MNR was able to see the leakage under bay 4 and that the sill appears broken. They will plan to investigate further.

Water Management

During this month, the Target Water Level range was from 0.60 to 0.66 and the Compliance Water Level range was also from 0.60 to 0.66. We are to stay within these 6cm from June 1st to September 30th.

We had 6 days where we were out of compliance slightly at the 557. Those days were August 23rd, 24th, 25th, 28th, 30th and 31st. On the 31st we reached .58 and the other 5 days we were at .59. We had no logs out and did not run either unit during the month, as forecasted rain was minimal over the month, as was incoming water from upstream.

Figure 1 is a graph of the water level from August 1st to August 31st

Figure 2 is the chart with the exact water levels and number of logs out (or equivalent).

Blind River Water Levels - August 2022

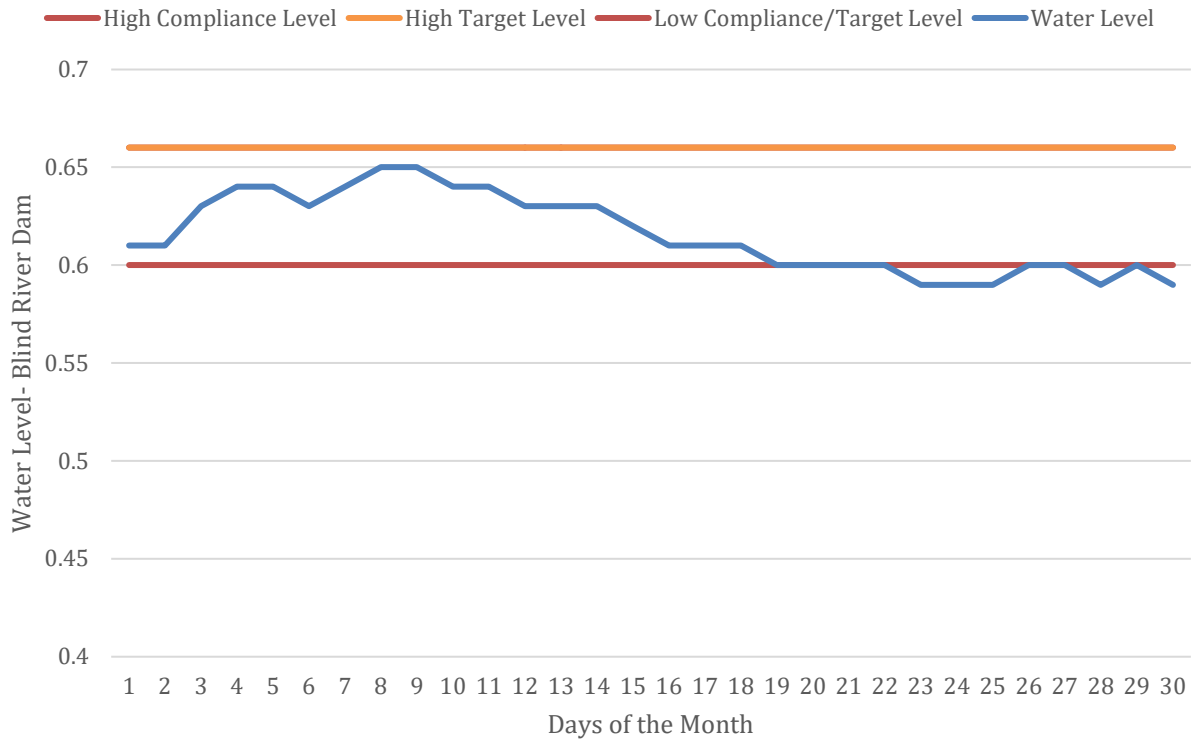


Figure 1: Water Level Graph

2022 MONTHLY WATER LEVEL LOG

Generating Station:	Town Dam		Month:	August
			WMP Compliance Range:	.60 to .66 mStaff
Date	Water Level	Ruler	Logs Out & Equivalent Flow	Comments/Actions
August 1, 2022	0.61	557	0	
August 2, 2022	0.61	557	0	
August 3, 2022	0.63	557	0	
August 4, 2022	0.64	557	0	
August 5, 2022	0.64	557	0	
August 6, 2022	0.63	557	0	
August 7, 2022	0.64	557	0	
August 8, 2022	0.65	557	0	
August 9, 2022	0.65	557	0	
August 10, 2022	0.64	557	0	
August 11, 2022	0.64	557	0	
August 12, 2022	0.63	557	0	Minimal rain forecasted from 12th to 18th, as of 2022-08-11
August 13, 2022	0.63	557	0	
August 14, 2022	0.63	557	0	
August 15, 2022	0.62	557	0	
August 16, 2022	0.61	557	0	

August 17, 2022	0.61	557	0	
August 18, 2022	0.61	557	0	
August 19, 2022	0.6	557	0	
August 20, 2022	0.6	557	0	
August 21, 2022	0.6	557	0	minimal rain forecasted to end of month
August 22, 2022	0.6	557	0	
August 23, 2022	0.59	557	0	
August 24, 2022	0.59	557	0	
August 25, 2022	0.59	557	0	
August 26, 2022	0.6	557	0	
August 27, 2022	0.6	557	0	
August 28, 2022	0.59	557	0	
August 29, 2022	0.6	557	0	
August 30, 2022	0.59	557	0	
August 31, 2022	0.58	557	0	

Figure 2: Water Levels