



January 11, 2022

Blind River GS Monthly Report – December 2021

Production

Unit #1 (to Town Hall):

RGM: 37,744.00 kWh

RGM = Revenue Grade Meter

Unit #2 (to STP):

RGM: 26,893 kWh

Downtime

Unit #1 was down for 2 days on Dec. 4th and 5th.

Unit #2 was offline for 3 days on Dec. 4th, 5th and 31st

Maintenance

48 hours onsite for regular maintenance service, and over 60 hours of on call coverage.

- A summary of the work completed includes: headgate operation, shovelling and ice chipping, and daily checks that include sweeping, level recording, and trash rack cleaning.
- Monthly Alarm testing was completed on December 1st. We have been receiving a false first high water alarm, so will schedule service in the upcoming months. We have cameras inside to verify it is false.
- General cleaning was performed regularly, including disinfecting of high touch points and shared equipment and tools.
- Greasing of the wickets and bearings were completed on the 1st. We had to adjust (tighten) the belt of unit #2 on the 30th, which had us down for a few days.

Repair Work

Unit #1:

- None

Unit #2:

- None.

Other Issues

As noted in previous reports there is a significant leak under the logs in the bay closest to the mechanical gate. The MNR was out to inspect and advised us to seal the logs better until we can pull all of the logs in the spring. MNR secured the item they believe is causing the leak and want us to pull it as we pull the logs in the spring.

If the water levels allow this to occur sooner this fall, we may do so. We believe at this rate, we may be able to do this during the next warm spell , if before freshet.

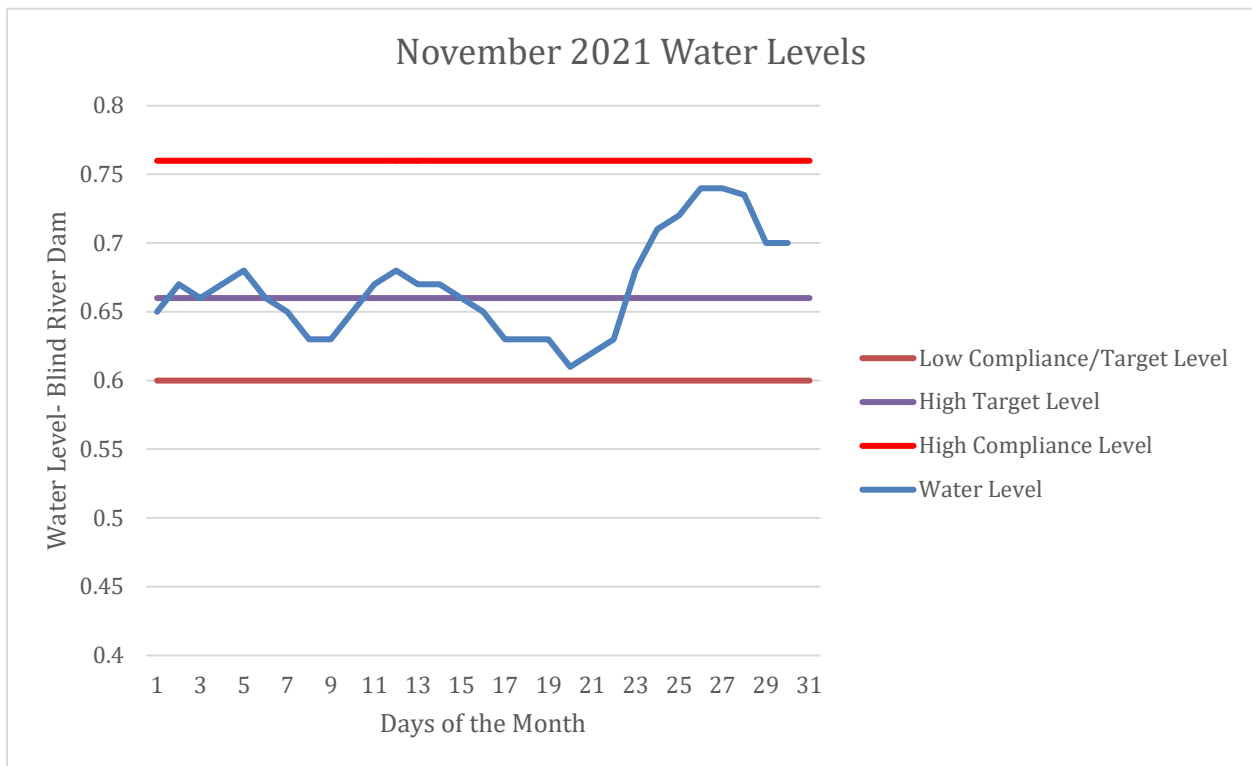
Also noted in previous reports, there is a leak in the mechanical gate. The MNR was out to inspect the gate and they advised us that the obstruction appears to be a rock and that it should clear over time (expected to clear with freshet when gate is opened all the way).

Water Management

During this month, the Target Water Level range was from 0.60 to 0.66 and the Compliance Water Level range was from 0.60 to 0.71. We are to stay within these levels from December 1st to December 31st. We did not fall under compliance throughout December, but there were three days where we were over our compliance level which were the 9th, 18th and 19th. We recovered quickly as they were from weather changes (cold to warm thaw and back).

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

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



2021 MONTHLY WATER LEVEL LOG

Figure 1: Water Level Graph

Generating Station:	Town Dam	Month:	December	
WMP Compliance Range: .60 to .71 mStaff				
Date	Water Level	Ruler	Logs Out & Equivalent Flow	Comments/Actions
December 1, 2021	0.69	557	4	
December 2, 2021	0.69	557	4	
December 3, 2021	0.69	557	4	
December 4, 2021	0.69	557	0	
December 5, 2021	0.7	557	0	
December 6, 2021	0.69	Dam	0	72 at 557
December 7, 2021	0.71	557	4	
December 8, 2021	0.71	Dam	4	
December 9, 2021	0.75	557	5.5	
December 10, 2021	0.7	Dam	7	
December 11, 2021	0.69	557	7	
December 12, 2021	0.66	557	5	
December 13, 2021	0.65	557	4	
December 14, 2021	0.65	557	4	
December 15, 2021	0.65	557	4	
December 16, 2021	0.65	Dam	4	
December 17, 2021	0.69	557	4	
December 18, 2021	0.74	557	5	

December 19, 2021	0.76	557	7	
December 20, 2021	0.68	Dam	7	73 at 557
December 21, 2021	0.68	557	6	
December 22, 2021	0.68	557	6	
December 23, 2021	0.68	557	6	
December 24, 2021	0.67	557	7	
December 25, 2021	0.65	557	7	
December 26, 2021	0.63	557	5	
December 27, 2021	0.65	557	5	
December 28, 2021	0.65	557	5	
December 29, 2021	0.65	557	5	
December 30, 2021	0.65	557	6.5	
December 31, 2021	0.67	557	7.5	

Figure 2: Water Level Chart