

# Blind River GS Monthly Report – February 2022

## Production

Unit #1 (to Town Hall):

RGM: 00.00 kWh

*RGM = Revenue Grade Meter*

Unit #2 (to STP):

RGM: 25,274 kWh

## Downtime

Unit #1 was down for the month.

Unit #2 was offline for 2 days on February 17<sup>th</sup> and 18<sup>th</sup>.

## Maintenance

31 hours onsite for regular maintenance service, and over 24 hours of on call coverage.

- A summary of the work completed includes: mechanical gate adjustment, shovelling and ice chipping, and daily checks that include sweeping, level recording, and trash rack cleaning.
- Monthly Alarm testing was completed on February 1<sup>st</sup>. 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 generator bearings was completed on the 4<sup>th</sup>.
- H&S inspection was completed on the 9<sup>th</sup>. Davit crane is due for annual inspection in June, along with hoisting gear.

## Repair Work

Powerhouse:

- The lighting fixtures were inspected as one was out. We will look at replacing bulbs where possible but may have to change out the ballast. Also water coming into the plant through the ceiling will need to be investigated as it is becoming a hazard.
- We will also need to replace the drain cover outside the powerhouse entrance door in the concrete slab.

Unit #1:

- Sourcing alternate options for building the new hoisting rig. Will need engineered drawings. Waiting on a scale delivery to have the gates properly weighed to ensure adequate lift rating.

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 0.68. We are to stay within these levels for the month of February.

On February 15<sup>th</sup> we dropped below the minimum compliance level for a short period, but we were back into compliance the next day. On February 21<sup>st</sup> and 22<sup>nd</sup> we rose over the maximum compliance level but returned to compliance by the 22<sup>nd</sup> for the remainder of the month.

Figure 1 is a graph of the water level from February 1<sup>st</sup> to February 28<sup>th</sup>.

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

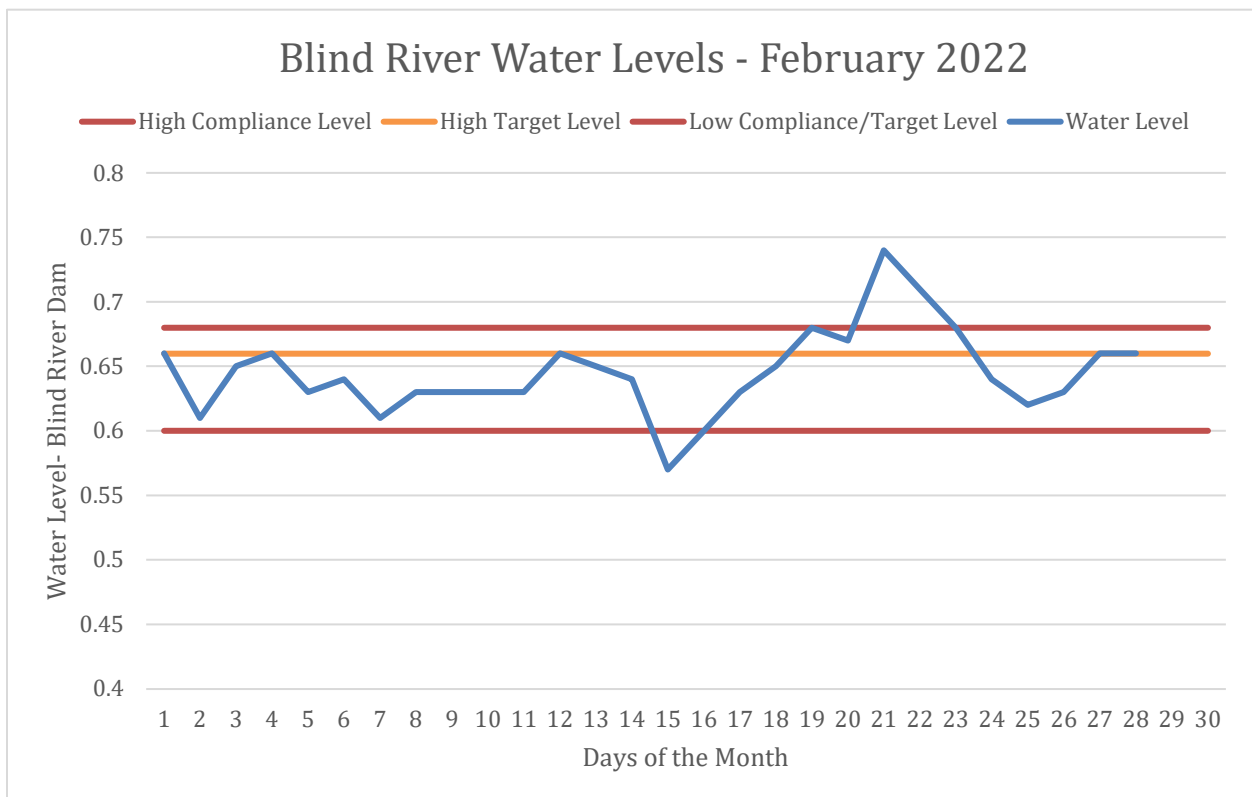


Figure 1: Water Level Graph

# 2022 MONTHLY WATER LEVEL LOG

<b>Generating Station:</b>	<b>Town Dam</b>		<b>Month:</b>	<b>February</b>
			WMP Compliance Range:	.60 to .68 mStaff
<b>Date</b>	<b>Water Level</b>	<b>Ruler</b>	<b>Logs Out &amp; Equivalent Flow</b>	<b>Comments/Actions</b>
February 1, 2022	0.66	Dam	5.5	
February 2, 2022	0.61	Dam	4.5	.69 at 557. will open gate further if not down by morning
February 3, 2022	0.65	Dam	5.5	
February 4, 2022	0.66	557	5.5	
February 5, 2022	0.63	557	5	
February 6, 2022	0.64	557	5	
February 7, 2022	0.61	Dam	5	
February 8, 2022	0.63	557	5	
February 9, 2022	0.63	557	5	
February 10, 2022	0.63	557	5	
February 11, 2022	0.63	557	5	
February 12, 2022	0.66	557	5	
February 13, 2022	0.65	557	5	
February 14, 2022	0.64	557	5	-30 tonight
February 15, 2022	0.57	557	3	57 at dam
February 16, 2022	0.6	Dam	0	+4 today (.59 at 557)
February 17, 2022	0.63	Estimate	0	

February 18, 2022	0.65	557	0	
February 19, 2022	0.68	557	2	
February 20, 2022	0.67	557	2	
February 21, 2022	0.74	557	4	
February 22, 2022	0.71	Dam	5	.73 557
February 23, 2022	0.68	Dam	5	.73 557
February 24, 2022	0.64	Dam	5	
February 25, 2022	0.62	Dam	4	
February 26, 2022	0.63	557	3	
February 27, 2022	0.66	557	3	
February 28, 2022	0.66	Dam	3	

Figure 2: Water Level Chart