

ANNUAL SUMMARY 2016

RECORD OF FLOWS BELOW 2.2CMS

| DATE | TIME | DURATION | REASON | REMEDY |
|--------|---------|-------------|--|---|
| Jan-06 | 4:37pm | 2 min | Enerdu had a sudden shut down, cutting off our water supply. Units reacted too slowly. | Units reduced slowly. One unit tripped offline which brought headpond level back up. |
| Jan-11 | 2:50am | 2 min. | Frazil ice blocking the trashrack was cleared. Unit ramped up too quickly. | Unit backed off automatically to restore proper headpond level. |
| Feb-13 | 8:09am | 5 min. | Frazil ice filling intake channel and much of headpond. False reading possible. | Unclear if flow was actually too low, as there was high amount of frazil in area of sensor. |
| Feb-17 | 7:24 | 2 min. (x3) | Multiple Enerdu shutdowns, caused 3 separate incidents of less than 2 min. each. | Unit automatically backed off restoring proper headpond level. |
| Feb-23 | 9:56am | 3 min. (x5) | Lots of frazil ice and Enerdu shutdowns causing 5 separate incidents of less than 3 minutes each. | Operators cleared frazil and unit adjusted automatically. |
| Feb-26 | 3:17am | 2 min. (x5) | Large chunks of ice and frazil caused issues with proper regulation of output. | Operators cleared frazil and unit adjusted automatically. |
| Mar-09 | 6:54pm | 2 min. | Large ice in intake. | Unclear if flow was actually too low, as there was lots of ice in the intake. |
| Mar-10 | 5:28am | 3 min | Same as March 9 | Same as March 9 |
| May-10 | 10:20 | 9 min | Lowered water level to install new staff guage | Backed unit off after guage was installed. |
| Jul-14 | 12:13pm | 10 min. | There appeared to be ample flow over the falls so operator tried to start unit. | After water level dropped too far, operator shut the unit down, bringing water level back up. |
| Aug-08 | 10:24 | 1hr 54 min. | Lowered water level for surveyors to survey main dam and top of falls. | Immediately after surveyors completed their work, unit was backed off to bring water level back up. |
| Nov-29 | 2:15pm | 3 min. | Started up briefly to help diagnose equipment issue thought to be hydraulic power unit. | Shut unit down after quick test was done. |
| Dec-19 | 1:00pm | 41 min. | Lowered water level to allow MNRF, biologist to walk channel downstream of middle falls to gather information for proposed amendment to compensation flow requirement during drought conditions in the winter. | After inspection was done, unit was backed off to allow water level to return to normal. |