

# Upper Androscoggin Storage Projects Settlement Agreement Flow

PG 12 (of the Agreement, August 1998)

## **III. Water Management Plan: -- Water Management, and related Protection, Mitigation and Enhancement Measures.**

### **A. Upper Dam Tailrace; Mooselookmeguntic Lake**

1. Minimum Flows. From Labor Day through May 31 the PO(s) shall release a guaranteed minimum flow of 202 cfs. During the period from June 1 through Labor Day, the PO(s) shall release a minimum flow of 202 cfs or inflow, whichever is less, in the event that the lake level at Richardson Lakes reaches 1444' MSL during this period, the minimum may be reduced to a guaranteed flow of 100 cfs.
2. Headwater Restrictions.
  - a. By June 1 of each year, the PO shall attain a target lake level of 1467', if at all possible. If a target level of 1467' can't be attained June 15, then the PO(s) agrees to notify and consult with interested Parties. The PO(s) shall give serious consideration to the concerns and recommendation of said Parties, but the Parties acknowledge that the PO(s) retain the final decision on how to operate the dams, within the restrictions described herein.
  - b. From June 1 through July 15 of each year, if the lake achieves a level of 1467' or higher by June 1, the PO shall maintain the lake level within the range defined by a maximum lake level of 0.5' above the June 1 elevation to a minimum lake level of 1' below the June 1 elevation. If 1467' is not achieved by June 1. The lake may be allowed to fill up to 1467'.
  - c. From July 16 through Labor Day, the PO(s) shall maintain the lake at a level greater than 1465' MSL unless the lake level at Richardson Lake reached 1444' MSL, in which case the PO(s) may drop the lake level of Mooselookmeguntic Lake to minimum of 1464' MSL. In no event, however, shall the lake level go below 1464' MSL, except as needed to meet the requirements of Section III.A.1 (minimum flows) and as allowed by Section III.D (high water emergencies).
  - d. From the day after Labor Day through May 31, there shall be no specific headwater restrictions. However, the PO(s) agrees that it will continue to draw the lake down gradually after Labor Day and in general conformity with historic operation of the lake.

### **B Rapid River; Richardson Lake.**

1. Minimum Flows.
  - a. From the start of refill of Richardson Lake through September 15, the PO shall release a guaranteed minimum flow of 383 cfs. In the event, however, that the water level in Richardson Lake reaches 1444' MSL during the period June 1 through Labor Day, then the PO shall release a guaranteed minimum flow of 310 cfs.
  - b. For the period September 16 through the start of the refill of Richardson Lake, the PO shall release a guaranteed minimum flow of 472 cfs.
2. Maximum Flows.

From the period July 15 through Labor Day, the PO shall not release any flow from Middle Dam greater than 1200cfs (as measured at the dam (except for whitewater boating releases as set forth, or as required due to the emergencies (as provided in Section III.D).

3. Whitewater Flows. During the 3<sup>rd</sup> weekend of July, the PO(s) shall release a whitewater flow of 1300 cfs on Friday and Saturday and whitewater flow of 18000 cfs on Sunday. During the 4<sup>th</sup> weekend of July, the PO(s) shall release a whitewater flow of 1300 cfs on Saturday and 1800 cfs on Sunday. During the 1<sup>st</sup> weekend of August, the PO(s) shall release a whitewater flow of 13000 cfs on Saturday and Sunday. During the 2<sup>nd</sup> weekend of August, the PO(s) shall release a whitewater flow of 13000 cfs on Friday and Saturday and whitewater flow of 1800 cfs on Sunday. In those years when the lake level of Richardson Lake reaches 14444' MSL during the period of June 1 through Labor Day, then the PO9S0 shall release a maximum whitewater flow of 13000 cfs for eight days (3<sup>rd</sup> and 4<sup>th</sup> weekends in July and 1<sup>st</sup> and 2<sup>nd</sup> weekends in August). All whitewater flows on the Rapid River will start at 6PM the day before the first day of the scheduled release and shall end at 12:00 noon on the last day of the scheduled release.
4. Headwater Restrictions.
  - a. From July 16 through September 30, the PO(s) shall maintain Richardson Lake at a level greater than 1444' MSL. The lake level may be permitted to go below 1444 MSL to meet the minimum flow requirement or III.B.a
  - b. From October 1 through May 31, there shall be no restriction except that, after October 15, the Project Owner(s) shall drop the lake level five feet from the October 1 level. The purpose of this restriction is to preclude togue (lake trout) spawning. It shall remain in effect until such time as DIFW determines that this restriction is not needed to control togue populations.

#### C Magalloway; Aziscohos Lake.

1. Minimum Flows.
  - a. From the Start of refill of Aziscohos Lake through September 15, the Project Owner(s) shall release, at the powerhouse, a guaranteed minimum flow of 130 cfs.
  - b. From September 16 until the start of the the refill, the PO(s) shall release, at the powerhouse, a guaranteed minimum flow of 214 cfs.
  - c. The PO9S0 shall release a year round guaranteed minimum flow of 50 cfs in the bypass reach, which is the area between the dam and the powerhouse.
2. Whitewater Flow.

The PO(s) shall release during the 4<sup>th</sup> weekend of June, and the 1<sup>st</sup> weekend of July and the 1<sup>st</sup> weekend of September a whitewater flow of 900 cfs. During the 2<sup>nd</sup> weekend of July and the 3<sup>rd</sup> and 4<sup>th</sup> weekends of August, the PO(s) shall release a whitewater flow of 1200 cfs. For the purpose of this subparagraph, weekend is defined as Saturday and Sunday. Whitewater flows will be released from 10am to 3pm.

## **Lake Level and River Flow Information**

- Lake Protection Program
- Lake Levels and Dam Flows

(this is a live link to [www.h20line.com](http://www.h20line.com))

**For further information:**

Brookfield Renewable Energy Group

Thomas L. Mapletoft

Water Resource Manager, Northeast Operations

(603) 479-3566

Email: [thomas.mapletoft@brookfieldrenewable.com](mailto:thomas.mapletoft@brookfieldrenewable.com)

[www.brookfieldrenewable.com](http://www.brookfieldrenewable.com)