UNITED STATES ENVIRONMENTAL PROTECTION AGENCY NEW ENGLAND - REGION I 5 POST OFFICE SQUARE, SUITE 100 BOSTON, MASSACHUSETTS 02109-3912

Request for General Permit Authorization to Discharge Wastewater (Notice of Intent (NOI) to be covered by the General Permit)

Hydroelectric Generating Facilities (HYDROGP) NPDES General Permits No. MAG360000 and NHG360000

A. Facility Information	
1. Indicate applicable General Permit for disch	arge: MAG360000
-	NHG360000 ×
Facility Name, Location, and Data: Name Pontook Hydro	
Street/POBox 48 Hydro Station Dr.	City Dummer
State NH	Zip Code 03588
Latitude 44°37'4.59"N	Longitude /1*13'33.52"W
Type of Business Hydroelectric generati	City Dummer Zip Code 03588 Longitude 71°13'33.52"W ng station
SIC Code(s) 4911	
Facility Mailing Address (if different from I Name Pontook Hydro c/o GLHA	
Street/PO Box 972 Main St.	City Berlin
State NH	City Berlin Zip Code 03570
	dennis.turcotte@brookfieldpower.com
4. Facility Owner:	
Name Pontook Operating LP	e-mail (optional) <u>or clare.kirk@bro</u> okfieldpower.com City Berlin
Street/PO Box 9/2 Wall St.	City Definit
State NH	Zip Code 03370
Contact Person Dennis Turcolle	City Berlin Zip Code 03570 Telephone Number 603-752-2353, x14
Owner is (check one): 1. Federal 2. S	tate 3. Tribal 4. Private X
Other (Describe)	
c n m an a complete and complete and	
5. Facility Operator (if different from above):	a mail (antional)
Ctreat/DO Pov	e-mail (optional)
State	City
State	Zip Code
Contact Person	Telephone Number
6. Current permit status (please check Yes or	No):
a. Has a prior NPDES permit (individual or gen	eral permit coverage) been granted for the discharge that is listed on
the NOI? Yes No X If Yes, Per b. Is the facility covered by an individual NPD	mit Number:
b. Is the facility covered by an individual NPD	ES permit? Yes No_*
If Yes, Permit Number	e with EPA for this discharge? Yes No _x If Yes, date
c. Is there a pending NPDES application on file	e with EPA for this discharge? Yes No x If Yes, date
of submittal:and	permit number if available:

7. Attach a topographic map indicating the location of the fa attached? Yes See Attachment A	icility and the outfall(s) to the receiving water. Map
8. Provide the number of turbines and the combined turbine minimum output, in cubic feet per second (cfs). Number of t capacity): maximum output, cfs 2,508 and minimum output, cfs 850 (est.)	discharge (installed capacity) at maximum and turbines 3 Combined turbine discharge (installed
9. Is the hydroelectric generating facility operated as a pum	p storage project? NO
B. Discharge Information (attach additional sheets as	needed).
Name of receiving water into which discharge will occur Freshwater: X Marine Water:	Androscoggin River
 Attach a line drawing or flow schematic showing water flowater, operations contributing flow, treatment units, outforms schematic attached? See Attachment I 	falls, and receiving waters(s). Line drawing or flow
 List each outfall under the following categories and number equipment and floor drain water; maintenance-related water water events, and equipment-related backwash strainer wa Attach additional sheets to identify outfalls as needed. 	er; facility maintenance-related water during flood/high tter (see Parts I.A.1, 2, 3, and 4; or Parts I.B.1, 2, 3, and
Equipment-related cooling water	Equipment and floor drain water
	#18 - Turbine and floor drain
	water; treated using an
	oil skimmer; intermittent
	low flow.
Maintenance-related water	Facility maintenance-related water during flood/high water events
Equipment-related backwash strainer water	

4. List each outfall discharging any combination of the following to identify the combined discharges: equipment-related cooling water, equipment and floor drain water, maintenance-related water, equipment-related backwash strainer water, and facility maintenance-related water during flood/high water events (see Parts I.A.5 and B.5) and continue the sequential numbering. Attach additional sheets to identify outfalls as needed.

- 5. Provide for each outfall the following:
- a. Latitude and longitude to the nearest second (see EPA's siting tool at: http://www.epa.gov/tri/report/siting_tool/) and the name(s) of the receiving water(s) into which the discharge will occur.

 44°37'3.91"N/71°13'32.05"W Androscoggin River
- b. The operations contributing flow and the treatment received by the discharge. Indicate the average flow from each operation. See answer provided in #3 (above).
- c. Indicate if the discharge can be sampled at least once per year or can be sampled using the representative outfall sampling provisions (see Parts I.A.6 or B.6 and III.E). Yes, discharge can be sampled.
- d. Note if the outfall discharges intermittently or seasonally. #18 discharges intermittently.

C. Chemical Additives

Are any non-toxic neutralization chemicals used in the discharge(s)? Yes _____ No____ If so, include the chemical name and manufacturer; maximum and average daily quantity used on a monthly basis as well as the maximum and average daily expected concentrations (mg/l) in the discharge, and the vendor's reported aquatic toxicity (NOAEL and/or LC₅₀ in percent for typically acceptable aquatic organism).

D. Endangered Species Act Eligibility Information

A facility, with a previous ESA Section 7 consultation with the National Marine Fisheries Service (NMFS), seeking coverage under the Massachusetts general permit and discharging to the Connecticut River or Merrimack River should provide one of the following, if available. N/A

- 1. A formal certification indicating consultation with the National Marine Fisheries Service (NMFS) resulted in either a no jeopardy opinion or a written concurrence on a finding that the discharges are not likely to adversely affect the shortnose sturgeon or critical habitat. Information should also be provided indicating the hydroelectric facility's previous ESA Section 7 consultation with NMFS covered the discharges to be authorized under this general permit and demonstrating no significant changes in the discharges have occurred since the previous consultation.
- 2. Another operator's certificate of the ESA eligibility for those discharges to be authorized under this general permit.

E. Supplemental Information

Please provide any supplemental information, including antidegradation review information applicable to new or increased discharges. Attach any certification(s) required by the general permit.

F. Signature Requirements

The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22 (see below) including the following certification:

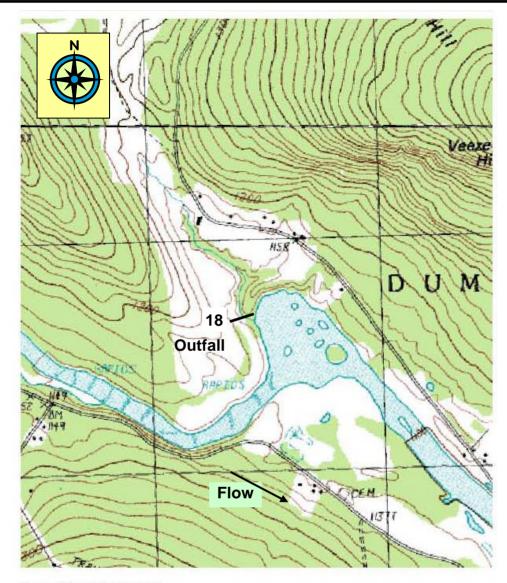
I certify under penalty of law that no chemical additives are used in the discharges to be authorized under this general permit except for those used for pH adjustment and (2) this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.

Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature	5 Ph	Date 3/19/10
Printed Name and Title	Brian Stetson, General Manager, New England	

Federal regulations require this application to be signed as follows:

- 1. For a corporation, by a principal executive officer of at least the level of vice president;
- 2. For partnership or sole proprietorship, by a general partner or the proprietor, respectively, or,
- 3. For a municipality, State, Federal or other public facility, by either a principal executive officer or ranking elected official.



Center: 44.6185°N 71.2246°W

Elevation at center: 1,112 feet (339 meters)

Quad: USGS Milan Drg Name: o44071e2 Drg Source Scale: 1:24,000 Note: Outfall is located immediately downstream of facility

PONTOOK HYDRO

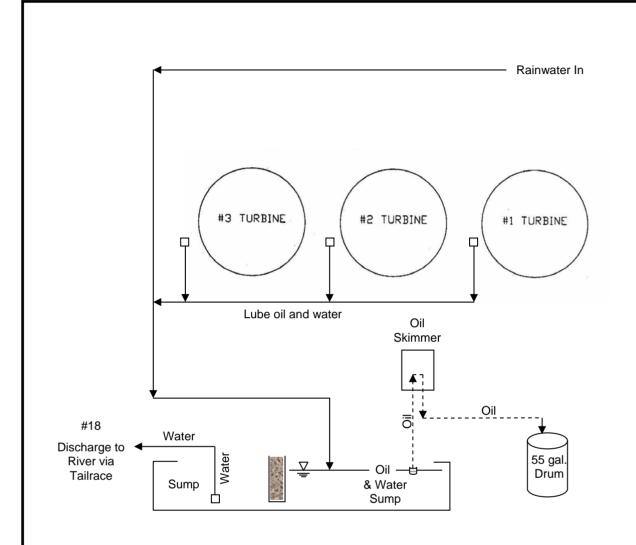
TOPOGRAPHIC MAP ANDROSCOGGIN RIVER, NH

MARCH 2010

Brookfield

Brookfield Renewable Power Inc. Pontook Operating Limited Partnership 972 Main Street Berlin, NH 03570 Tel 603.752.2353 Fax 603.752.3665 www.brookfieldpower.com

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Notes:

- 1. The station does not use cooling water
- 2. The drain lines contain leakage from the turbines and rainwater

PONTOOK HYDRO

SCHEMATIC - NOT TO SCALE MARCH 2010

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