



TransCanada

In business to deliver

US Northeast Hydro Region
2 Killeen Street
N. Walpole, NH 03609

tel 603.445.6803
fax 603.445.6809
www.transcanada.com

MAG360014

3/5/10
received

February 26, 2010

US Environmental Protection Agency
Hydroelectric GP Processing
Municipal Assistance Unit (OEP06-3)
5 Post Office Square - Suite 100
Boston, MA 02109-3912

RE: Notices of Intent for Coverage under HYDROGP # MAG360000

Dear Sir or Madame,

Enclosed please find Notices of Intent (NOIs) and attachments for five (5) TransCanada Hydro Northeast Inc. hydroelectric generating facilities located in Massachusetts. TransCanada is seeking National Pollutant Discharge Elimination System (NPDES) permit coverage under the Hydroelectric Generating Facilities General Permit (HYDROGP) #MAG360000. These facilities currently operate under expired, but administratively continued, individual permits.

If you have any questions or need additional information please contact me at (603) 445-6803 or at davidpaul_murray@transcanada.com.

Sincerely,

A handwritten signature in cursive script that reads "David P. Murray".

David P. Murray
Environmental Specialist

Enclosures: Five (5) Notices of Intent for facilities to be covered under MAG360000.

cc: Massachusetts Department of Environmental Protection - Division of Watershed Management

**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 discharge:
MAG360000 ☒
NHG360000 ☐
2. Facility Name, Location, and Data:
Name TransCanada - Deerfield No. 2 Station
Street/PO Box 3186 Shelburne Falls City Conway
State Massachusetts Zip Code 01341
Latitude 42° 34'22.55" North Longitude 72°42'25.94" West
Type of Business Hydroelectric power generation
SIC Code(s) 4911
3. Facility Mailing Address (if different from Location Address):
Name TransCanada Hydro Northeast Inc
Street/PO Box 2 Killeen Street City N. Walpole
State New Hampshire Zip Code 03609
4. Facility Owner:
Name TransCanada Hydro Northeast Inc e-mail (optional) davidpaul_murray@transcan
Street/PO Box c/o 2 Killeen Street City N. Walpole
State New Hampshire Zip Code 03609
Contact Person David P. Murray Telephone Number (603) 445-6803
Owner is (check one): 1. Federal ☐ 2. State ☐ 3. Tribal ☐ 4. Private ☒
Other (Describe) _____
5. Facility Operator (if different from above):
Legal Name _____ e-mail (optional) _____
Street/PO Box _____ 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 general permit coverage) been granted for the discharge that is listed on the NOI? Yes ☒ No ☐ If Yes, Permit Number: MA0034843
 - b. Is the facility covered by an individual NPDES permit? Yes ☒ No ☐
If Yes, Permit Number MA0034843
 - c. Is there a pending NPDES application on file with EPA for this discharge? Yes ☐ No ☒ If Yes, date of submittal: _____ and permit number if available: _____

7. Attach a topographic map indicating the location of the facility and the outfall(s) to the receiving water. Map attached? Fig 1

8. Provide the number of turbines and the combined turbine discharge (installed capacity) at maximum and minimum output, in cubic feet per second (cfs). Number of turbines 3 Combined turbine discharge (installed capacity): maximum output, cfs 1,500 and minimum output, cfs 0

9. Is the hydroelectric generating facility operated as a pump storage project? No

B. Discharge Information (attach additional sheets as needed).

1. Name of receiving water into which discharge will occur: Deerfield River
Freshwater: X Marine Water: _____

2. Attach a line drawing or flow schematic showing water flow through the facility including sources of intake water, operations contributing flow, treatment units, outfalls, and receiving waters(s). Line drawing or flow schematic attached? Fig 2

3. List each outfall under the following categories and number sequentially: equipment-related cooling water; equipment and floor drain water; maintenance-related water; facility maintenance-related water during flood/high water events, and equipment-related backwash strainer water (see Parts I.A.1, 2, 3, and 4; or Parts I.B.1, 2, 3, and 4). Attach additional sheets to identify outfalls as needed.

Equipment-related cooling water

001-Units #1-3 bearings

Equipment and floor drain water

none

Maintenance-related water

none

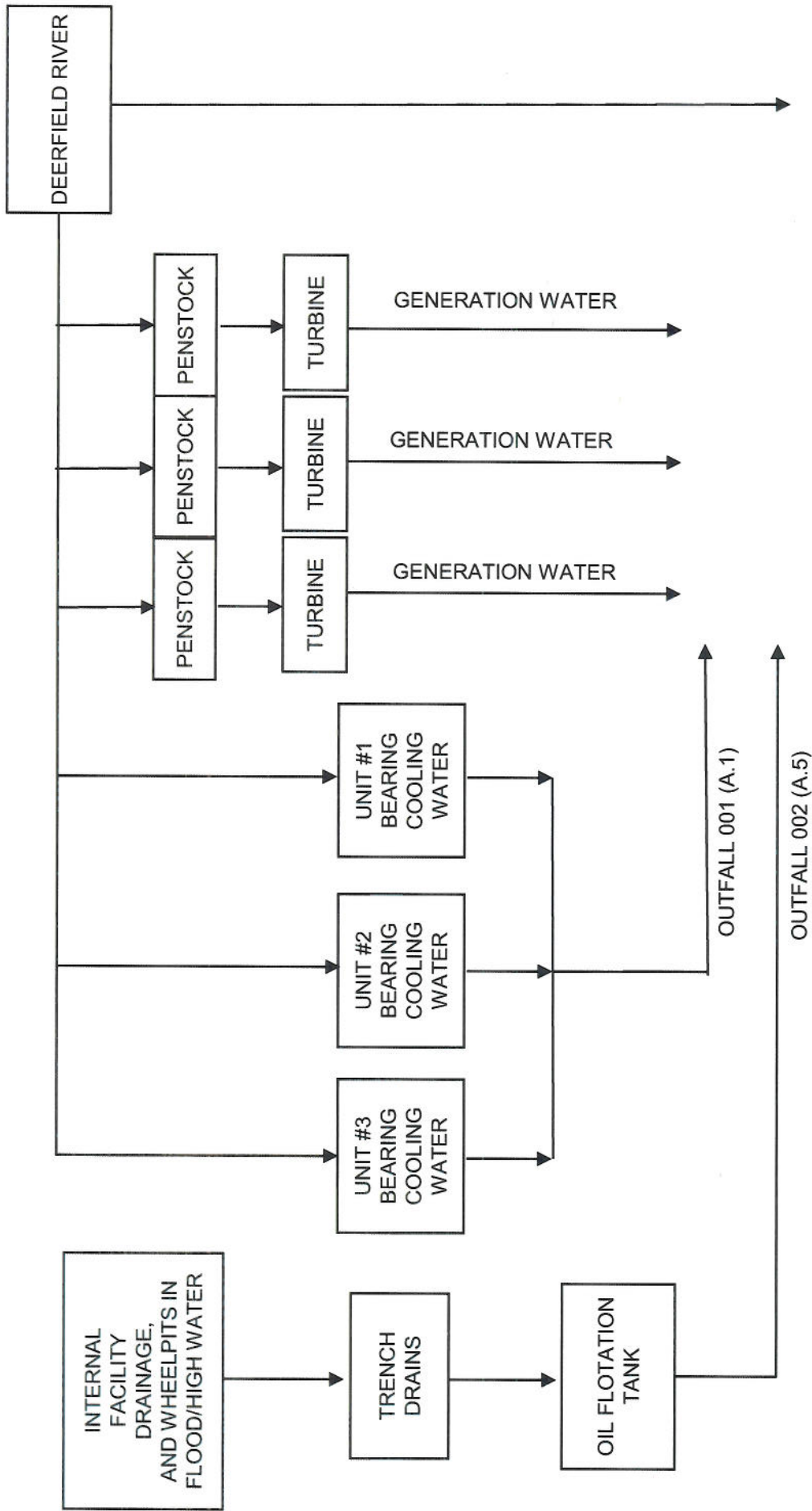
Facility maintenance-related water during flood/high water events

none

Equipment-related backwash strainer water

none

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.



TransCanada Hydro Northeast Inc.

DEERFIELD NO. 2 STATION - CONWAY, MA
MA0034843

FLOW DIAGRAM

Figure 2

DATE: February 25, 2010

Attachment 1

DEERFIELD NO. 2 STATION – MA0034843

Outfall #	Latitude / Longitude	Discharge Type	Operations Contributing to Discharge	Average Daily Flow (GPD)	Flow Type	Treatment	Sample at least once per year?	Representative?
001	42° 34'22.55" North, 72°42'25.94" West	A.1 – Equipment related cooling water	Units #1-3 Bearing cooling water.	26,000	continuous	None	Yes	No
002	42° 34'22.55" North, 72°42'25.94" West	A.5 – Combined Discharge	Combined discharge- Oil flotation tank from trench drains (internal facility drainage and wheelpit water in flood/high water).	2,400	Intermittent on a daily basis	Oil Flotation	Yes	No