



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

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,

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**

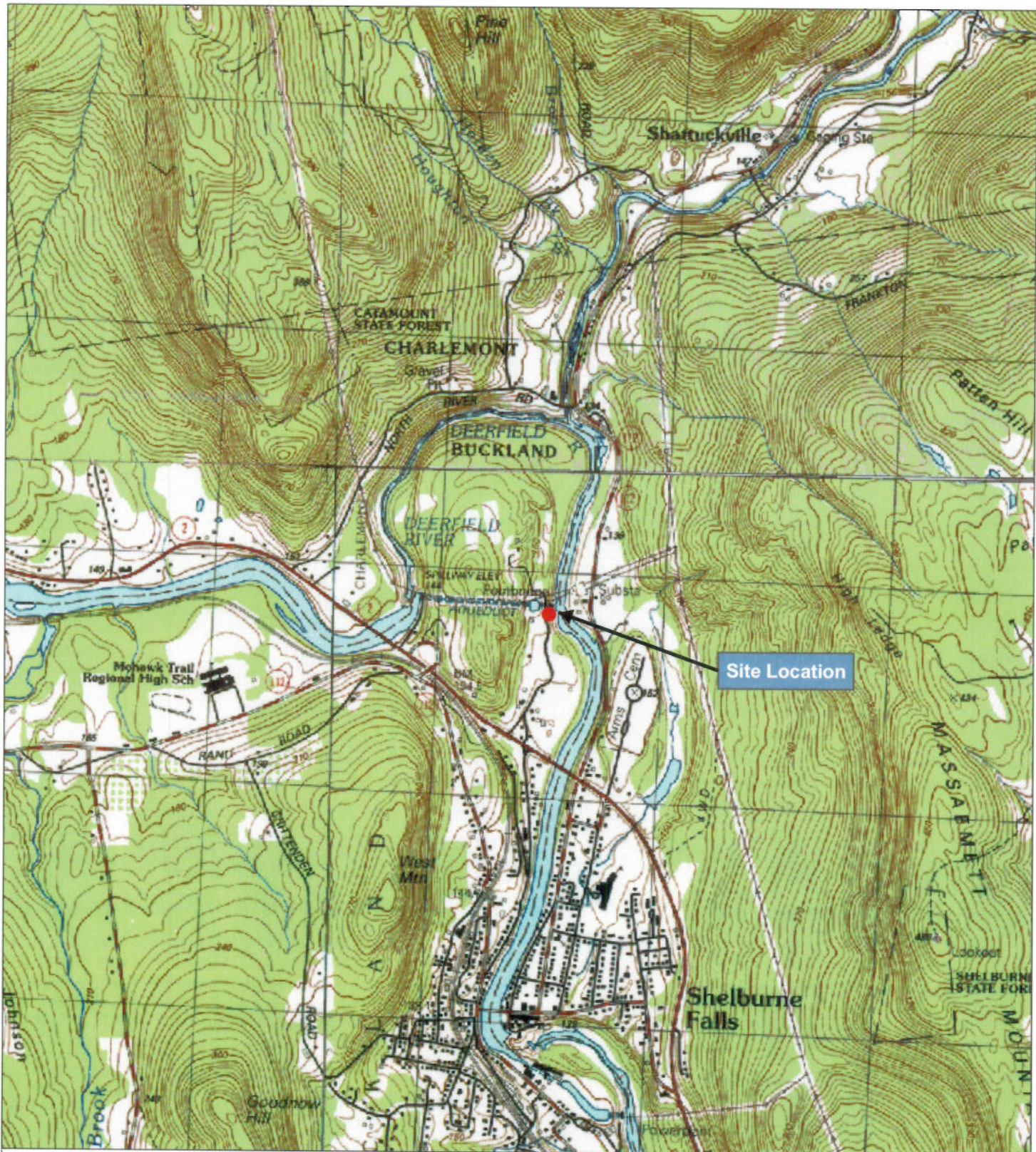
**Request for General Permit Authorization to Discharge Wastewater
(Notice of Intent (NOI) to be covered by the General Permit)**

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

A. Facility Information

1. Indicate applicable General Permit for discharge:
MAG360000 X
NHG360000
2. Facility Name, Location, and Data:
Name TransCanada - Deerfield No. 4 Station
Street/PO Box 22 Creamery Avenue City Buckland
State Massachusetts Zip Code 01338
Latitude 42°37'11.23" North Longitude 72°44'15.35" 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 X
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 X No If Yes, Permit Number: MA0034860
 - b. Is the facility covered by an individual NPDES permit? Yes X No
If Yes, Permit Number MA0034860
 - c. Is there a pending NPDES application on file with EPA for this discharge? Yes No X If Yes, date of submittal: and permit number if available:

R:\Projects\GIS_2010\1174360_TransCanada_Hydro_NE\Map\Fig1_NO4_STATION.mxd



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
978-970-5600

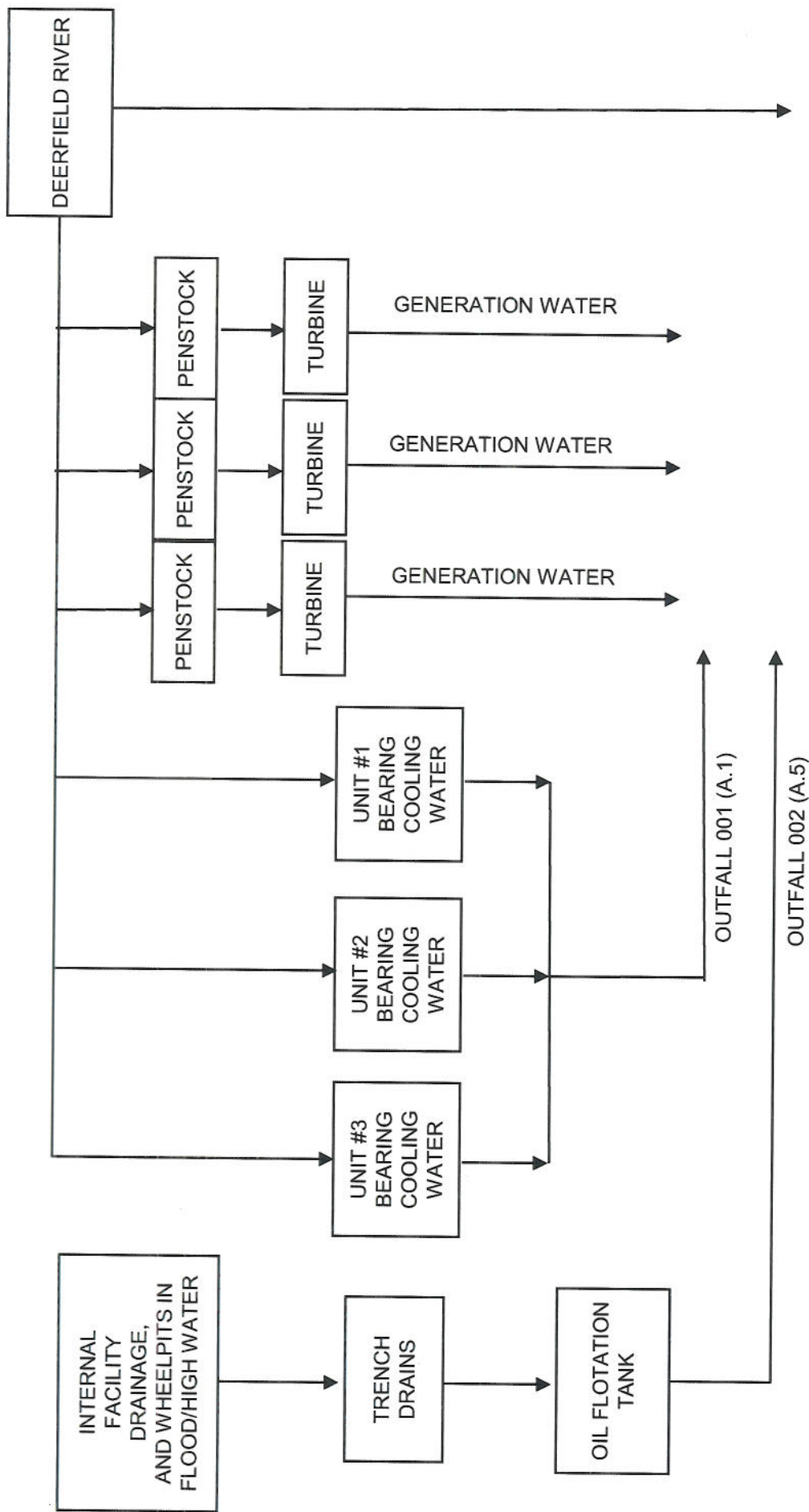
SITE LOCATION MAP

TRANSCANADA HYDRO NORTHEAST, INC.
NO. 4 STATION
BUCKLAND, MA

FIGURE 1

FEBRUARY 2010

Base map: USGS Topographic Quadrangles: Ashfield, Bernardston, Greenfield, and Rowe



TransCanada Hydro Northeast Inc.

DEERFIELD NO. 4 STATION - BUCKLAND, MA
MA0034860

FLOW DIAGRAM

Figure 2

DATE: February 25, 2010

Attachment 1

DEERFIELD NO. 4 STATION – MA0034860

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°37'11.23" North, 72°44'15.35" West	A.1 – Equipment related cooling water	Units #1-3 Bearing cooling water.	52,000	continuous	None	Yes	No
002	42°37'11.23" North, 72°44'15.35" 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