

VERMONT AGENCY OF NATURAL RESOURCES
STREAM ALTERATION INDIVIDUAL PERMIT APPLICATION

10 VSA, CHAPTER 41, SUBCHAPTER 2

Agency Use Only	
Project #	<u>036</u>
Receipt Date	<u>9/15/15</u>

Applicant Name Hydro Energies Corporation
Mailing Address One Tech Drive, Suite 220
Andover, MA 01810

Phone 978-513-3451 Cell 978-284-9270 Email hans.vanlingen@enel.com

Project Location: Town Hartford, VT Stream Ottauquechee River Lat 43.641848°

Nearby town highway or state route Route 4 ****ATTACH MAP**** Long -72.406656°

Project Description:
Magnitude (length, volume, etc.) Approx 25'X25'X10 (300 cu. yd. conservative estimate)

Purpose Maintenance dredge to clear Hydroelectric Project intake of accumulated debris

Construction Procedure Will utilize a shore-based crane with clamshell dredge

Erosion/Sediment/Water Control Procedure Intake headgates will remain closed and turbidity curtain will contain dredge area. Upland spoils staging area will be fully contained by haybales and silt fence.

ATTACH 2 COPIES : layout plan, typical or surveyed cross sections, stream profile and pertinent hydraulic or hydrologic information

Consultant/Project Supervisor Mark Desotelle, EGPNA Phone (207) 432-6345 Email mark.desotelle@enel.com

Duration of in-stream construction (anticipated) 3 Days

Name and addresses of landowners and/or abutters adjacent to or across the stream from the project: Signatures are necessary if you intend to work on adjacent property or if the project will directly affect the property of others. Attach extra sheet, if needed.

Name US Army Corps of Engineers Address North Hartland Lake P.O. Box 55, North Hartland, VT 05052

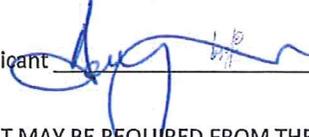
Name _____ Address _____

Name _____ Address _____

****APPLICANT MUST FILE COPY OF THIS APPLICATION WITH TOWN CLERK AND ADJOINERS****

CERTIFICATION: I hereby certify that the information on this application is, to the best of my knowledge, true and accurate and that I have forwarded a copy of this application to the selectboard and town clerk of the town in which this project is to occur and to each landowner adjoining or across the stream from the project area as required in the Vermont Stream Alteration Rule. I recognize that by signing this application I am giving consent to employees of the State to enter the subject property for the purpose of processing this application and for ensuring the compliance with subsequent agency decisions relating to the project.

Print Full Name Hans P. van Lingen

Signature of Applicant  Date 9/14/2015

Digitally signed by Hans P. van Lingen
DN: cn=Hans P. van Lingen, o=Enel Green Power North America, ou=EGPNA,
email=hans.vanlingen@enel.com, c=US
Date: 2015.09.14 13:10:01 -0400

NOTE: A PERMIT MAY BE REQUIRED FROM THE US ARMY CORPS OF ENGINEERS. For information contact:
US Army Corps of Engineers, VT Project Office, 11 Lincoln St - Rm210, Essex Jct VT 05452 802-872-2893

ENCLOSE \$225.00 APPLICATION FEE PAYABLE BY CHECK OR MONEY ORDER TO THE "STATE OF VERMONT"
MUNICIPALITIES ARE EXEMPT FROM FEE

-9506-

Project Locus

Dewey's Mill Hydroelectric Project
FERC # P-5313 VT

Legend

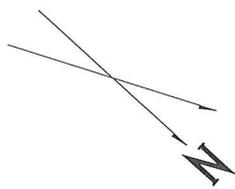
 Dewey's Mill Hydroelectric Project



Google earth

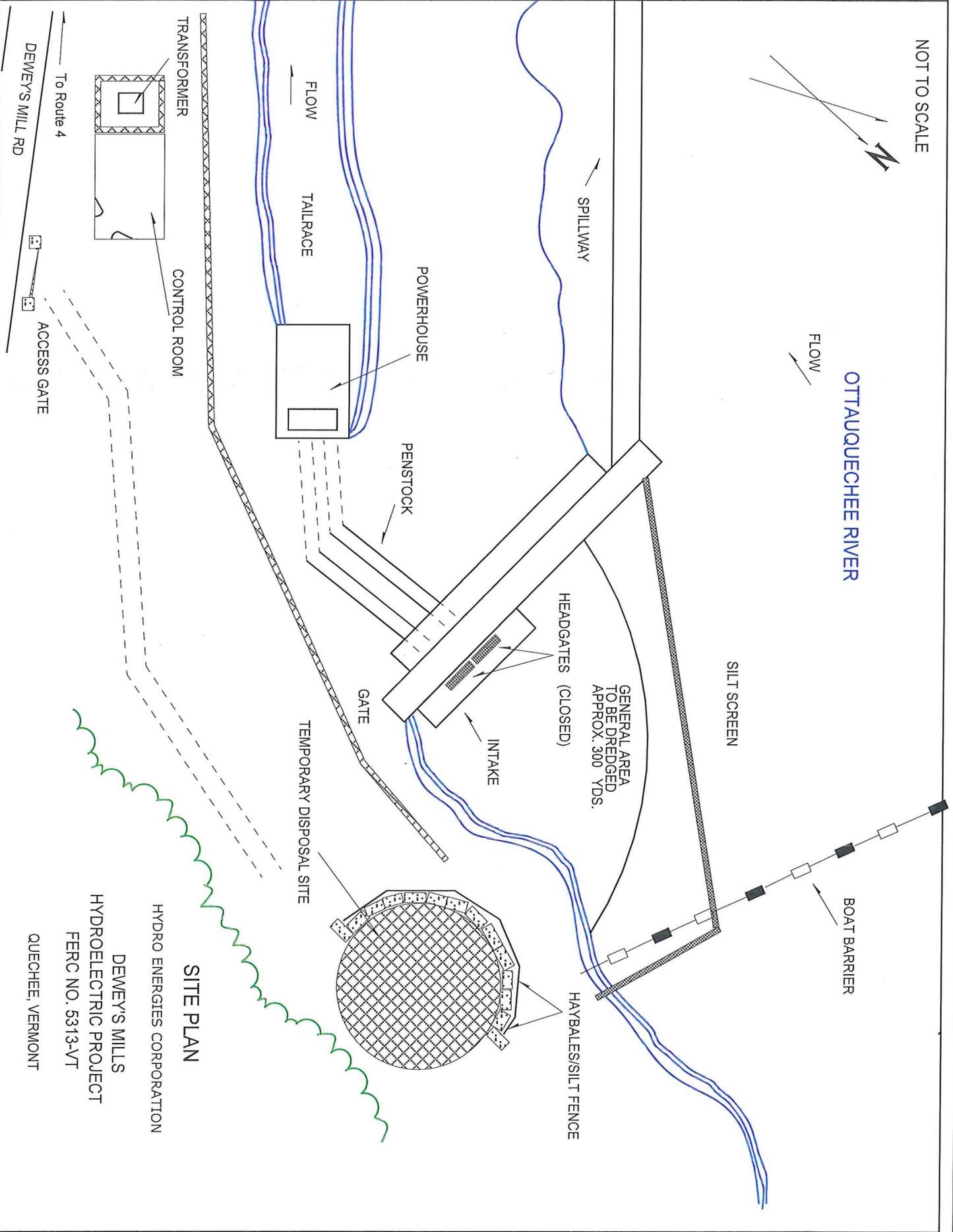
© 2015 Google

NOT TO SCALE



OTTAUQUECHEE RIVER

FLOW



SITE PLAN

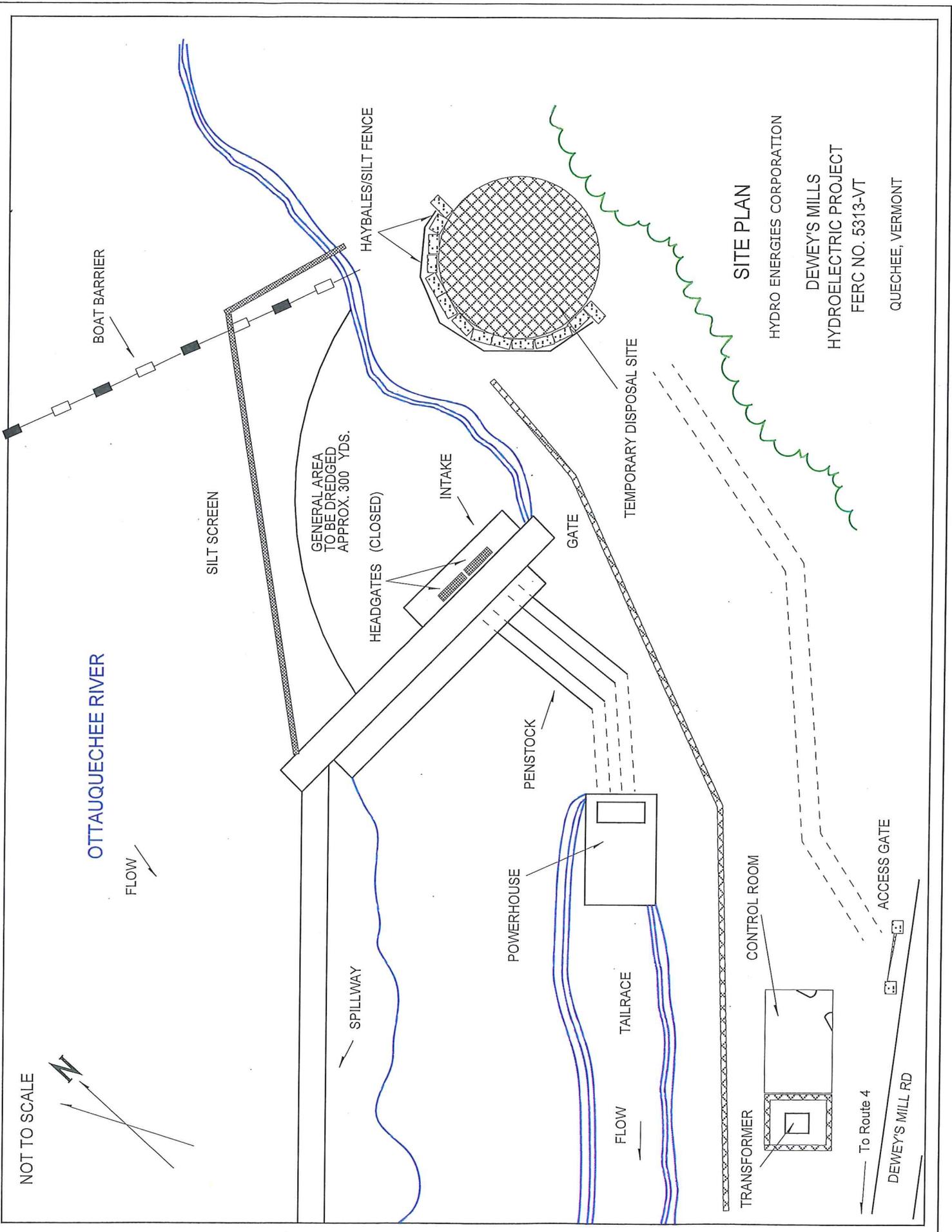
HYDRO ENERGIES CORPORATION

DEWEY'S MILLS

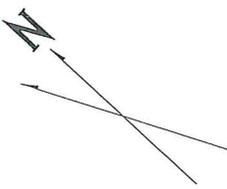
HYDROELECTRIC PROJECT

FERC NO. 5313-VT

QUECHEE, VERMONT



NOT TO SCALE



OTTAUQUECHEE RIVER

FLOW

BOAT BARRIER

SILT SCREEN

GENERAL AREA TO BE DREDGED APPROX. 300 YDS.

HEADGATES (CLOSED)

INTAKE

GATE

PENSTOCK

POWERHOUSE

TAILRACE

FLOW

HAYBALES/SILT FENCE

TEMPORARY DISPOSAL SITE

CONTROL ROOM

TRANSFORMER

To Route 4

ACCESS GATE

DEWEY'S MILL RD

SITE PLAN

HYDRO ENERGIES CORPORATION

DEWEY'S MILLS

HYDROELECTRIC PROJECT

FERC NO. 5313-VT

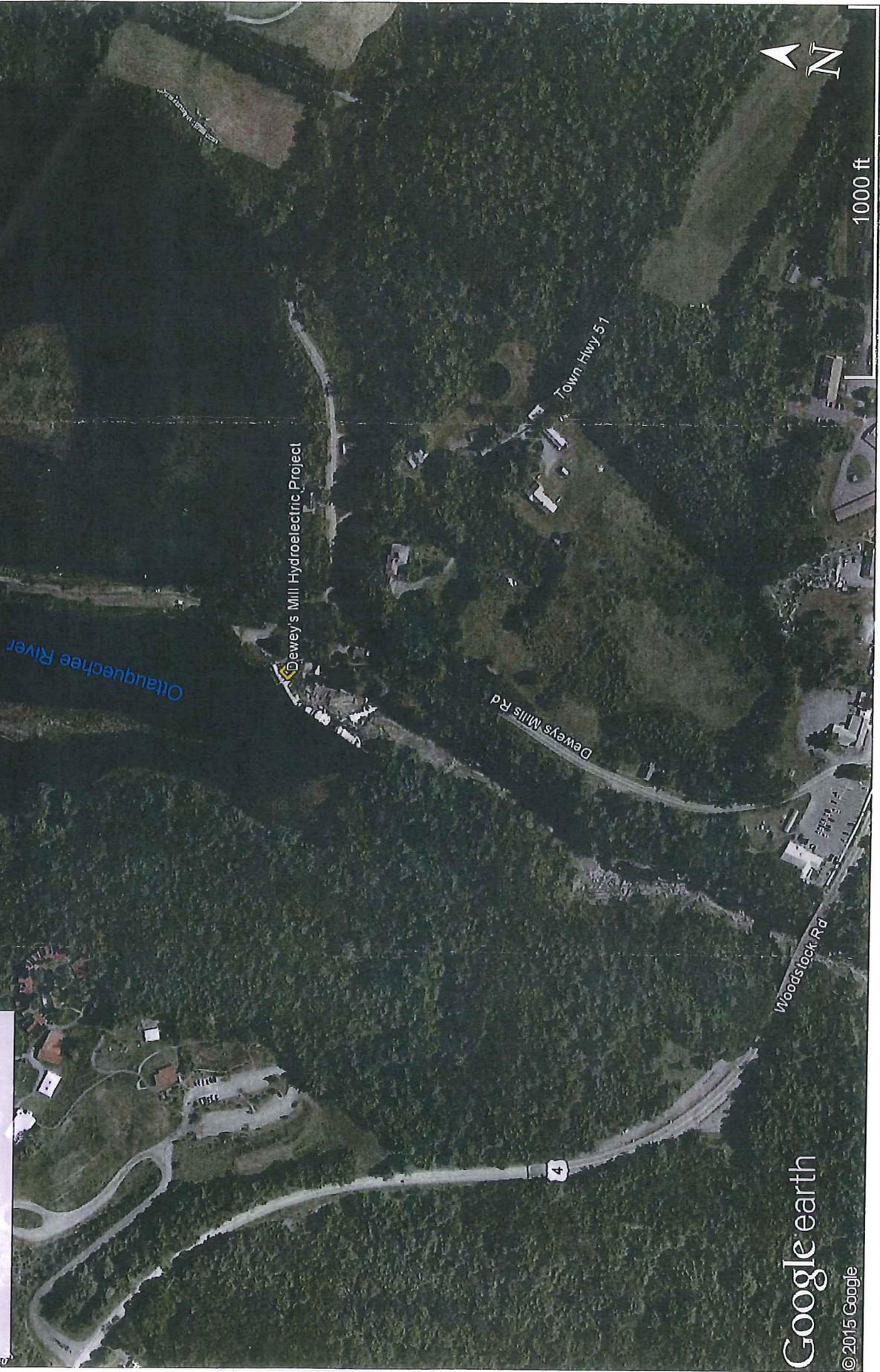
QUECHEE, VERMONT

Project Locus

Dewey's Mill Hydroelectric Project
FERC # P-5313 VT

Legend

-  Dewey's Mill Hydroelectric Project



1000 ft

Google earth

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ENEL GREEN POWER NA, INC.
ONE TECH DRIVE, SUITE 220
ANDOVER, MA 01810

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08/12/15



STATE OF VERMONT
DEPT OF ENVIRONMENTAL CONSERV.
1 NATIONAL LIFE DR, MAIN BLDG, FL 2
MONTPELIER VT 05620

Enel Green Power				0000062588
Invoice Date	Invoice Number	Purchase Order Number	Description	Invoice Amount
08/06/15	PERMITFEE			\$225.00
			Check Total	\$225.00



SD2100034-0001_of_0001 6155-0000034 (F235)

DETACH AND RETAIN THIS STUB FOR YOUR RECORDS

CHECK # 0000062588 ATTACHED BELOW

ENEL GREEN POWER NA, INC.
ONE TECH DRIVE, SUITE 220
ANDOVER, MA 01810

CHECK NUMBER: 0000062588

62-20
311

CHECK DATE: 08/12/15

Two Hundred Twenty-five and 00/100 Dollars

PAY TO THE ORDER OF: STATE OF VERMONT
DEPT OF ENVIRONMENTAL CONSERV.
1 NATIONAL LIFE DR, MAIN BLDG, FL 2
MONTPELIER VT 05620

\$\$\$\$\$\$\$\$\$\$\$\$225.00

AMTS.OVER \$10,000 REQUIRE TWO SIGNATURES

AUTHORIZED SIGNATURE

CITIBANK, N.A.
ONE PENN'S WAY, NEW CASTLE, DE 19720

0000062588 031100209

38799081



Green Power

Enel Green Power North America, Inc.

One Tech Drive, Suite 220
Andover, Massachusetts USA 01810
T 978 681 1900 F 978 681 7727

HYDRO ENERGIES CORPORATION
A SUBSIDIARY OF ENEL GREEN POWER NORTH AMERICA, INC.

September 14, 2015

Mr. Jeff Crocker
Streamflow Protection Coordinator
Vermont Agency of Natural Resources
Department of Environmental Conservation
Watershed Management Division
1 National Life Drive, Main 2
Montpelier VT 05620-3522



Re: Dewey's Mill Hydroelectric Project (FERC No. 5313-VT);
Intake Maintenance Dredging

Dear Mr. Crocker:

Enclosed please find our Stream Alteration Permit Application for maintenance dredging of the intake at our Dewey's Mill Hydroelectric Project, an operating small hydroelectric facility on the Ottauquechee River in Windsor County, Vermont. The proposed dredging is necessary to clear the intake area of accumulated debris. The volume of material is estimated to be approximately 300 cubic yards based on the volumes generated during prior maintenance dredge which occurred in 2011 and in 2013.

This activity entails using a clamshell dredge from a shore-based crane to remove dredge spoils immediately upstream of the hydroelectric project's intake. The project headgates will be closed and the remaining area will be isolated by a full-depth turbidity curtain, with all inflow being passed over the adjacent dam spillway. Spoils will initially be placed on shore within a temporary detention area enclosed by staked silt fence and hay bales (see plan). Following dewatering, the dredge contractor will truck the spoils off-site for upland area disposal in compliance with all applicable regulations. Both water and land work areas are used regularly as part of hydroelectric facility operations, and the dredge activity itself has occurred bi-annually for many years. The information on the attached plan depicts the measures that we propose to implement to protect water quality and natural resources during dredging, which we expect to complete in an appropriate low-flow period, between October 15 and Nov 1, 2015.

We hope that this information adequately describes our proposed maintenance dredging at the site. Should you have any questions on this application, please don't hesitate to contact me by e-mail at hans.vanlingen@enel.com or by phone at 978-681-1900, x451.

Sincerely,

HYDRO ENERGIES CORPORATION



Hans P. van Lingen
Environmental Manager

Enclosure: Stream Alteration Individual Permit Application

cc: Town Clerk, Town of Hartford, Vermont
U.S. Army Corps of Engineers, North Hartland Lake
R. Bartlett, EGPNA
R. Tomat, EGPNA
M. Desotelle, EGPNA