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Central Vermont Public Service Corporation

July 29, 2008

VIA ELECTRONIC FILING

Kimberly Bose, Secretary
Federal Energy Regulatory Commission
Mail Code: DLC, HL-11.2
888 First Street, NE, Room 1A
Washington, DC 20426

FERC Project No. 2731 CVPS Weybridge Project
Calibration and Flow Monitoring Results for 2007
and Request to Amend Article 402 of the Project License

Dear Secretary Bose:

On August 1, 2001, the Federal Energy Regulatory Commission (Commission) issued a new license to Central Vermont Public Service Corporation (CVPS) for operation of the 3 MW Weybridge Hydroelectric Station (FERC No. 2731) on Otter Creek in the towns of Weybridge and New Haven, Addison County, Vermont. Article 402 of the license required CVPS to build a diversion structure below the project that would, among other purposes, divert half of the Project's continual minimum release of 250 cfs, or 125 cfs, to the western channel of Wyman Island (West Channel), below the Project to increase and enhance fish habitat in this channel.

The diversion structure was completed in August of 2002. After initial calibration work in 2002, and subsequent calibration work and meetings on site in 2004, resource agencies and CVPS agreed that the structure was working as intended, though due to channel hydraulics below the Project, the target flow of 125 cfs in the West Channel was difficult to achieve without creating additional concerns. All parties agreed that the flow in the West Channel, though not the amount originally intended, was very suitable for fishery habitat and acceptable to all parties. On February 1, 2005, the Commission issued an order modifying and approving the calibration and flow verification under Article 402 that summarized the history of the issue and documented the agreements made in 2004. This order required CVPS to continue to monitor the diversion structure annually through 2007 and apply for an amendment to Article 402 after this period to reflect the new flow target of approximately 100 cfs. Monitoring would then proceed at five year intervals.

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As indicated in our March 13, 2006 filing, after 2006 CVPS did not believe that further annual monitoring of the structure was warranted and asked the VANR and the USFWS to support amending License Article 402 to reflect a revised flow target of 100 cfs in the West Channel of Wyman Island. Each agency responded that they would like to see one more year of monitoring in 2007 and if results indicated that flow conditions remained stable that they would support amending the license article and going to a five year monitoring plan in 2008.

Monitoring Results for 2007

CVPS personnel visually monitored the diversion structure throughout 2007. This monitoring indicated that the structure was clearly operating as intended with flow levels and splits around Wyman Island during non-generation times remaining unchanged. This was confirmed by field measurements taken in September 2007 using procedures identical to previous measurements, which showed flow levels at the monitoring transect H-3 in the West Channel to be essentially identical to levels measured in 2004 and 2006 (Table 1).

Based on the past orders and agreements concerning this project, CVPS formally requests that License Article 402 for the Weybridge project be modified to reflect a new flow target of 100 cfs and that monitoring proceed at five year intervals through the life of the license. Agency comments supporting this request are included in Attachment A. Please call me at (802) 747-5207 if you have any questions about these results or this request. Thank you.

Sincerely,

Tim Oakes for Michael J. Scarzello

Attachment

cc: Jeff Cueto (VANR)
Melissa Grader (USFWS)

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WEYBRIDGE HYDROELECTRIC PROJECT
CENTRAL VT PUBLIC SERVICE CORPORATION
2007 DIVERSION STRUCTURE FLOW CALIBRATION

Site Characteristics						Flow Measurement (cfs)				
								West Channel		East Chnnl
Date	Procedure	Impndmnt Elevation*	Gate Opening	FlshBrd Height	Water on FlshBrd	FishPass	Sluice	Rvs Flow	H-3	H-1
06/28/04	125cfs trgt 240 kw gen	174.03' start 174.00' end	1.2'	11.5"	-0.2'	20 cfs	108 cfs	24 cfs	80 cfs	
06/29/04	250cfs trgt no gen.	173.96' start 174.24' end	2.5' start 2.4' end	11.5"	+0.25'	24 cfs	146 cfs	45 cfs	110 cfs	211 cfs
08/11/04**	125cfs trgt 335 kw gen	174.27' start 174.27' start	1.1'	11.5"	-0.2'	21 cfs	121 cfs	18 cfs	100 cfs	
09/27/04**	125cfs trgt 550 kw gen	174.28' start 174.27' end	1.1'	11.5"	-0.2'	21 cfs	116 cfs	1 cfs	118 cfs	
09/29/04**	125cfs trgt 250 kw gen	173.72' start	1.1'	11.5"	0	closed	130 cfs			
09/29/04**	250cfs trgt no gen.	173.72' start 174.04' end	2.5'	11.5"	+0.25'	closed	162 cfs	47 cfs	106 cfs	204 cfs
09/29/04**	250cfs trgt no gen.	173.67' start 174.08' end	2.5'	11.5"	+0.2'	26 cfs	157 cfs	48 cfs	105 cfs	190 cfs
10/04/06**	250cfs trgt no gen.	173.08' start 174.00' end	2.5'	11.5"	0	open			103 cfs	
09/19/07**	125cfs trgt 241 kw gen	173.91' start	1.2'	11.5"	0	open	126.5 cfs			
09/19/07**	250cfs trgt no gen.	173.83' start 173.87' end	2.5'	11.5"	+0.25'	open			109 cfs	

* 174.4' = full pond
** Sandbags in cutoff channel

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VERMONT

Vermont Department of Environmental Conservation
Dam Safety and Hydrology Section
103 South Main Street [phone] 802-241-3758
Waterbury, VT 05671-0511 [fax] 802-244-4516
http://www.anr.state.vt.us/dec/fed/dss.htm

Agency of Natural Resources

June 11, 2008

Michael J. Scarzello, P.E.
Central Vermont Public Service Corp.
77 Grove Street
Rutland, VT 05701

RE: Weybridge Hydroelectric Project - FERC No. 2731
Bypass Diversion Structure

Dear Mike:

Tim Oakes of Kleinschmidt Associates forwarded, by email of May 19, 2008, information on the September 19, 2007, monitoring measurements for the diversion structure in the Weybridge Project bypass. The measurements were consistent with the data collected in 2004 and 2006. Consequently, the Agency supports switching to the 5-year interval for monitoring.

Very truly yours,

Jeffrey R. Cueto, P.E.
Chief Hydrologist

c Rod Wentworth, VTDFW
Chet Mackenzie, VTDFW
Melissa Grader, USF&WS
Tim Oakes, KA
(all by e-mail)

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Tim Oakes

From: Melissa_Grader@fws.gov
Sent: Wednesday, June 11, 2008 4:27 PM
To: Tim Oakes
Cc: MScarze@cvps.com; jeff.cueto@state.vt.us
Subject: RE: 2007 Monitoring Results.pdf - Adobe Reader

Tim,

We have reviewed the results of the 2007 flow monitoring at the Weybridge Project's diversion structure, along with CVPS' proposed request to modify license Article 402 to reflect a new flow target of 100 cfs in the West Channel, and to change the monitoring period to every five years.

The FWS has no objection to the proposed request.

Sincerely,
Melissa
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Melissa Grader, Fish and Wildlife Biologist
U.S. Fish and Wildlife Service/New England Field Office
c/o Connecticut River Coordinator's Office
103 East Plumtree Road
Sunderland, MA 01375
413-548-8002, ext. 124 (ph) 413-548-9622 (fax) melissa_grader@fws.gov
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