

June 7, 2016

Mr. John Zygaj, P.E., Regional Engineer Federal Energy Regulatory Commission 230 South Dearborn Street, Suite 3130 Chicago, IL 60604

Re: Au Train Hydroelectric Project, FERC Project # 10856 U.P. Hydro, LLC Spillway Capacity Remediation Monthly Progress Report #11

Dear Mr. Zygaj;

On behalf of the Licensee, U.P. Hydro, LLC, Renewable World Energies (RWE), LLC, is hereby submitting its tenth monthly progress report for the spillway capacity remediation at its Au Train project. The report is due by **June 7, 2016**. This report closely mimics the Licensees previous report due to the tasks in process. Much of the same information contained in the last report is included with this report, but has been left in for reference. Please note that the IDF study has been completed in a draft form.

Work performed in May:

Mead and Hunt are working on the IDF analysis and it is currently being reviewed, RWE expects to have it in July. A short summary of the hydraulic modeling for the IDF is as follows:

- HEC-RAS 5.0 Beta was used to perform a combined 1D and 2D dam breach model.
- The entire reservoir (including south dam), north dam (with proposed gate modifications), downstream bridges (including proposed railroad bridge modifications), and Au Train river to the north down to Lake Au Train were modeled in 1D. This allows for dynamic modeling of flood flows (with and without failure of the north dam) through the reservoir, north dam and bridges.
- The portion of the Au Train River through Lake Au Train and continuing on through the village of Au Train out to Lake Superior was all modeled in 2D. This allows for accurate representation of the flood wave as it passes through the meandering river and spreads laterally over the relatively flat topography in the area.
- The first floor elevations for homes that were surveyed along Lake Au Train and through the village were used to assess the incremental hazard at each structure based on the results of the 2D modeling.

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Mead and Hunt drafted a memo summarizing the existing geotechnical information related to the South Embankment. They are currently reviewing the memo internally. Following their review, Mead and Hunt will prepare a summary of their findings and forward the information to RWE.

RWE continues working to purchase the piece of land owned by the Railroad Company that it currently has an easement for. Although no replies have been received after repeated attempts to contact the current owner, the Licensee is working internally to keep the purchase moving forward.

Work scheduled in June:

Mead and Hunt will finalize the IDF report documenting the methodology and results of the IDF study for submittal.

Mead and Hunt will begin a preliminary level design of the spillway and railroad bridge modifications necessary to pass the IDF.

Mead and Hunt will continue to work to finalize the memo summarizing the geotechnical information related to the south embankment.

RWE will continue to work on the sale transaction of the piece of property currently owned by the Railroad Company. To date, RWE continues attempts to make contact with the current owner of the Railroad Company.

The current overall schedule is attached with this letter as in past progress reports.

If there are any questions regarding the enclosed progress report for the spillway capacity remediation at the Au Train project, please direct them to Mr. John McCutcheon at (855) 994-9376 ext. 104 or jmccutcheon@rwehydro.com

Sincerely, Renewable World Energies, LLC Agent for U.P. Hydro, LLC 300

Jason Kreuscher Vice President, Operations

Attachments:

Au Train Spillway Remediation Schedule, Mead and Hunt, July 8, 2015

Cc:

RWE files

100	Task Mo	tin Spillway	Duration	Start	Finish	Predecessors	2nd Quarter 3rd Quarter 4th	n Quarter Ist Quarter 2nd Quarter 3r	d Quarter 4th Quarter 1st Qua	rter 2nd Quarter 3rd Quarter
0	-									Feb Mar Apr May Jun Jul Aug S
2	*	Survey d/s Conditions (bridges,	1 mon	Mon 8/3/15	Fri 8/28/15		Survey d/s Conditions (bridges, strue	ctures, topo)	1	
	-	structures, topo) Preliminary Hydraulics (spillway,	5 wks	Mon 8/31/19	Fri 10/2/15	2	Preliminary Hydraulics (spillwa	y, routings, bridges)	1	
		routings, bridges) IDF Study	1 mon	Mon 10/5/15	Fri 10/30/15	3,2		wks a Study		
	-	d/s Bridge Design and Agency	24 mons	Mon 11/2/15	Fri 9/1/17	4		d/s Br	idge Design and Agency Coordination	
	-	Coordination 30% Comprehensive Design	10 wks	Mon 11/2/15	Fri 1/8/16	4	30%	6 Comprehensive Design	i i i i i i i i i i i i i i i i i i i	-2
	195	FERC Review of 30%	2 mons	Mon 1/11/16				FERC_Review of 30%	1	
	-	60% North Design	12 wks	Mon 3/7/16				2 mons 60% North Design	1	
	-	60% South Design	6 wks	Mon 3/7/16				60% South Design	1	
		FERC Review of 60% North	2 mons	Mon 5/30/16				FERC Review of 6	In the second se	
	-	FERC Review of 60% South		Mon 4/18/16				The second se	2 mons	
			2 mons					FERC Review of 60% Sout	5	
	-	Address FERC North Comments	2 wks	Mon 7/25/16					C North Comments	
		Address FERC South Comments	2 wks	Mon 6/13/16	Fri 6/24/16	11		Address FERC South	KS 4	
	-	Supplemental PFMA North	3 wks	Mon 8/8/16	Fri 8/26/16	12		Supple	emental PFMA North	
	2	Supplemental PFMA South	3 wks	Mon 6/27/16	Fri 7/15/16	13		Supplemental I	PFMA South	
	-	FERC PFMA Review North	2 wks	Mon 8/29/16	Fri 9/9/16	14		FE	RC PFMA Review North	
	1	FERC PFMA Review South	2 wks	Mon 7/18/16	Fri 7/29/16	15		FERC PFMA	Review South	
	-	Final Design North	8 wks	Mon 8/29/16	Fri 10/21/16	14			Final Design North	
	-	Final Design South	6 wks	Mon 8/1/16	Fri 9/9/16	17		Fi	nal Design South	
	-	QCIP and TCEAP North	2 wks	Mon	Fri 11/4/16	18			QCIP and TCEAP North	
	-	QCIP and TCEAP South	2 wks	10/24/16 Mon 9/12/16	Fri 9/23/16	19			QCIP and TCEAP South	
	-	Final FERC Review North	2 mons	Mon 11/7/16	Fri 12/30/16	20		5	Final FERC Review North	
	-	Final FERC Review South	2 mons	Mon 9/26/16	Fri 11/18/16	21			Final FERC Review South	
		Address FERC Comments North	2 wks	Mon 1/2/17	Fri 1/13/17	22			Address FERC Comme	nts North
	-	Address FERC Comments South	2 wks	Mon	Fri 12/2/16	23			Address FERC Comments Sout	
	-	Bid Package North	1 wk	11/21/16 Mon	Fri 10/28/16	18		2	Bid Package North	
	-	Bid Package South	1 wk	10/24/16 Mon 9/12/16	Fri 9/16/16	19		c L	1_1 wk	
	-	North Out for Bids and Award	6 wks	Mon 1/16/17				1	Bid Package South	ids and Award
	-	South Out for Bids and Award	6 wks	Mon 12/5/16				1.	South Out for Bids and	6 wks
	-	Permitting	3 mons	Mon 1/16/17		24,25			6 Wk	ermitting
	-	Drawdown	3 mons	Mon 7/3/17				1	1	3 mons
								1	1	Drawdown
-	-	Mobilization North	2 wks	Mon 9/25/17				1	1	Mobi
	-	Mobilization South	2 wks	Thu 6/1/17				Î		Mobilization South
		Modify Spillway Crest	3 mons	Mon 10/9/17					i	
-	-3	Gate Fabrication	4 mons	Mon 9/4/17					1	*
(III)	-	Construct Piers	1 mon	Fri 6/1/18	Thu 6/28/18	34,5		1 C	1	
		Install Gates	2 wks	Fri 6/29/18	Thu 7/12/18	35,36		10	1	
	-	S Embankment Construction	2 mons	Thu 6/15/17	Wed 8/9/17	33		-	1	S Embankment Construction
M	-	D/S Bridge Modifications	4 mons	Fri 6/1/18	Thu 9/20/18	32,5		1	1	
-	=	Construction Float	3 mons	Tue 10/9/18	Mon 12/31/18	37,39		1	1	
	-	Complete	0 days	Mon 12/31/18	Mon 12/31/18	40,38		1	1	

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h Quarter 1st Quarter Oct Nov Dec Jan Feb M	2nd Quarter 3r ar Apr May Jun	d Quarter Jul Aug	4ti Sep C	n Quarter Oct Nov	Dec	1st Qua Jan
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ify Spillway Crest 3 mons 4 mons						
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1	D/S Bridge	e Modificati	4.mo	^{ns} nstructio	n Floa	t
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