

EXHIBIT 16

— MILLER HYDRO GROUP —

P. O. Box 97 - Lisbon Falls, Maine 04252-0097
Tel. (207) 846-3991 - Fax (207) 846-3796

July 16, 2009

The Honorable Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 First Street, NW
Washington DC, 20426

Re: Miller Hydro Group
Worumbo, 3428
Crib Maintenance

Please be advised that following the end of spring run-off in late May we observed that the elevation of a portion of the Worumbo crib dam had settled below that which we observed prior to beginning of run-off. In early June a brief interval of low water conditions allowed us to draw the pond down so that we could observe the situation, take photographs, and conduct a precision survey for changes in elevation or movement in the downstream direction.

The survey confirms that the dam has settled approximately one inch (0.08 ft) below the elevation surveyed in 2005, but it has not moved laterally. Unlike the 2005, survey which shows uniform settlement below the elevation at which the concrete cap was poured in 1999, over this part of the dam, the current results show a point of maximum compression (point 17 on the attached survey) with progressively less compression in either direction from this point. Survey points 23 thru 33 are on the concrete section of the dam and show no movement from 1999 to 2005 to 2009 and confirm the accuracy of the survey. In the current survey, point 17 is approximately one inch (0.08 ft) below the elevation observed in 2005, and approximately 3 inches below the 1999 elevation.

The compression at point 17 is consistent with the loss of some of the timbers on the downstream face (shown in the attached photos) along with some of the stone fill that these logs had retained. There is no apparent cracking or obvious distress to the concrete cap other than the deformation noted above. Thus, it appears that the cap is acting as a very long beam that is now being allowed to flex downward as the result of the loss of support described above. This is consistent with the high quality of the concrete work and

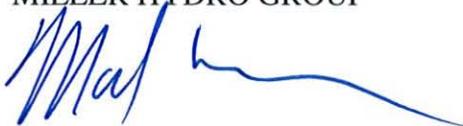
the amount of steel reinforcing that went into this concrete in 1999.

The photos show that there are two definitive types of logs used in the construction of the dam – large round logs mostly in the base section and square timbers in the upper part with various and non-uniform connections between the two types of timbers. It is our belief that dam was originally constructed completely of round logs and that the square timbers are replacements that were added in the summer of 1936, during major rebuilds following the flood in March of that year. It is interesting that there is more apparent distress to the 1936 square timbers than to the foundation logs that were placed in service in 1864.

The compression of the timber crib is a natural, if unfortunate, part of the aging of timber crib dams. We do not regard the current situation as an emergency or believe that there is any imminent threat to the dam. However, the loss of the logs and associated rock fill this spring is a cause for greater concern than the uniform compression that we had experienced prior to this point. Therefore, we propose to replace the lost stone and logs during the low flow period this summer. In addition we propose to engage engineers to come up with a more permanent solution to this problem and to consult with the Commission and resource agencies as appropriate to this process.

We thank you for your attention and look forward to such assistance as the NYRO can provide to us during this process..

MILLER HYDRO GROUP



Mark Isaacson
Vice President

cc. Mr. Peter Valeri, New York Regional Engineer

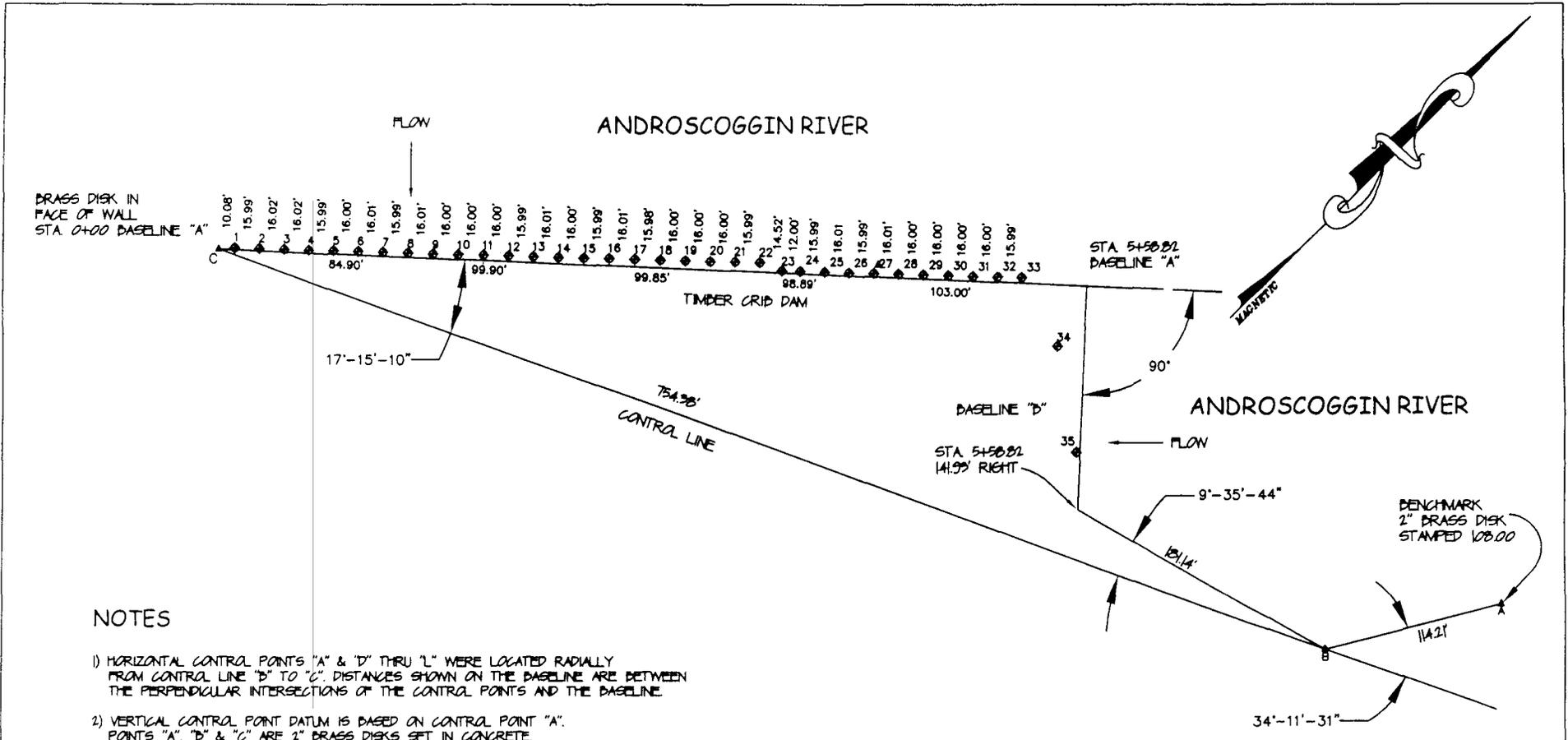
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NOTES

- 1) HORIZONTAL CONTROL POINTS "A" & "D" THRU "L" WERE LOCATED RADIALLY FROM CONTROL LINE "B" TO "C". DISTANCES SHOWN ON THE BASELINE ARE BETWEEN THE PERPENDICULAR INTERSECTIONS OF THE CONTROL POINTS AND THE BASELINE.
- 2) VERTICAL CONTROL POINT DATUM IS BASED ON CONTROL POINT "A". POINTS "A", "D" & "C" ARE 2" BRASS DISKS SET IN CONCRETE. POINTS "D" THRU "L" ARE STEEL SCREWS AND WASHER LOCATED IN CONCRETE. POINTS "I" THRU "SS" ARE POINTS PUNCHED IN THE CENTER OF A STUD BOLT LOCATED IN CONCRETE. POINTS "34" & "35" ARE PIN SLOTS LOCATED IN CONCRETE. THE MOST NORTHERLY EDGE OF SAID SLOTS WERE LOCATED.
- 3) "+" DISTANCES INDICATE DOWN STREAM DISTANCE FROM BASELINE. "-" DISTANCES INDICATE UP STREAM DISTANCE FROM BASELINE.
- 4) THE LOCATION OF [POINTS "I" THRU "SS" AND "D" THRU "L"] IS PERPENDICULAR TO BASELINE "A". THE LOCATION OF POINTS "34" THRU "36" AND "L" IS PERPENDICULAR TO BASELINE "B".

GRAPHIC SCALE



(IN FEET)
1 inch = 100 ft.

REVISED JUNE 04, 2009
AUGUST 18, 2005

MORIN
LAND SURVEYING

Vassalboro, Maine 923-3443

MC

FILE NO. LESDAM	PLAN OF DAM BASELINE AND MOVEMENT CHECK		
FILE NO. PLAN NO. 02	MILLER HYDRO		
	LISBON FALLS, MAINE		
	PROJECT LOCATION		
	CANAL STREET		
TOWN	COUNTY	STATE	
LISBON FALLS	ANDROSCOGGIN	MAINE	

SHEET 2 OF 4

LINE FITTING ROUTINE (BASELINE "A")

Bearing: N47-26-17E			Azimuth: 47-26-17		
Point #	Assigned Error	Offset to Line	Coordinates on Line		ELEVATION
			NORTH	EAST	
33	1.00	-3.62	5026.90	4698.51	97.05
32	1.00	-3.41	5016.09	4686.73	97.05
31	1.00	-3.17	5005.26	4674.95	97.04
30	1.00	-2.96	4994.44	4663.16	97.03
29	1.00	-2.72	4983.62	4651.38	97.05
28	1.00	-2.49	4972.80	4639.59	97.02
27	1.00	-2.27	4961.97	4627.80	97.02
26	1.00	-2.07	4951.16	4616.02	97.05
25	1.00	-1.83	4940.33	4604.24	97.03
24	1.00	-1.60	4929.51	4592.45	97.04
23	1.00	-1.43	4921.39	4583.61	97.03
22	1.00	-6.04	4911.57	4572.92	96.99
21	1.00	-5.78	4900.75	4561.14	96.88
20	1.00	-5.52	4889.93	4549.35	96.85
19	1.00	-5.28	4879.11	4537.57	96.84
18	1.00	-5.05	4868.29	4525.79	96.81
17	1.00	-4.82	4857.48	4514.02	96.76
16	1.00	-4.61	4846.65	4502.23	96.82
15	1.00	-4.38	4835.83	4490.45	96.83
14	1.00	-4.15	4825.01	4478.66	96.83
13	1.00	-3.92	4814.19	4466.87	96.82
12	1.00	-3.70	4803.37	4455.09	96.80
11	1.00	-3.48	4792.54	4443.31	96.81
10	1.00	-3.25	4781.72	4431.52	96.79
09	1.00	-2.99	4770.90	4419.74	96.76
08	1.00	-2.84	4760.08	4407.95	96.84
07	1.00	-2.67	4749.26	4396.18	96.95
06	1.00	-2.42	4738.44	4384.39	97.03
05	1.00	-2.19	4727.62	4372.60	96.97
04	1.00	-1.98	4716.80	4360.82	96.93
03	1.00	-1.78	4705.97	4349.03	96.91
02	1.00	-1.51	4695.13	4337.23	96.95
01	1.00	-1.31	4684.32	4325.45	96.98

SHEET 3 OF 4

CONCRETE CAP ALONG TOP OF TIMBER CRIB DAM
 SHOTS ARE LOCATED AT SOUTH EDGE OF CAP ADJACENT TO AIR FITTINGS
 POINT #905 (ON WEST END OF DAM) THRU POINT 884 (ON EAST END OF DAM)

Bearing: N46-36-00E			Azimuth: 46-36-00	
Point #	Assigned Error	Offset to Line	Coordinates on Line	
			NORTH	EAST
905	0.00	-0.00	4683.07	4327.32
904	1.00	-0.05	4694.08	4338.95
903	1.00	-0.04	4705.02	4350.52
902	1.00	0.19	4716.09	4362.21
901	1.00	0.28	4727.10	4373.86
900	1.00	0.40	4738.04	4385.41
899	1.00	0.40	4749.06	4397.06
898	1.00	0.34	4760.06	4408.68
897	1.00	0.33	4771.08	4420.32
896	1.00	0.29	4782.03	4431.90
895	1.00	0.21	4793.02	4443.51
894	1.00	0.35	4804.05	4455.17
893	1.00	0.41	4815.01	4466.76
892	1.00	0.41	4826.05	4478.42
891	1.00	0.40	4837.07	4490.06
890	1.00	0.43	4848.04	4501.65
889	1.00	0.31	4859.11	4513.36
888	1.00	0.17	4870.07	4524.94
887	1.00	0.23	4881.02	4536.51
886	1.00	0.22	4891.99	4548.11
885	1.00	0.22	4903.03	4559.77
884	0.00	-0.00	4914.06	4571.43

SHEET 4 OF 4

TOP OF AIR CONTROLLED METAL GATES
SHOTS ARE LOCATED AT CENTER OF EACH GATE ABOVE THE 4 DRILLED HOLES
POINT #840 (ON WEST END OF DAM) THRU POINT 883 (ON EAST END OF DAM)

Point	Northing	Easting	Elevation	
840	4681.98	4322.90	98.58	GATE1
841	4687.52	4328.67	98.59	GATE2
842	4692.94	4334.51	98.52	GATE3
843	4698.45	4340.26	98.55	GATE4
844	4704.12	4346.06	98.60	GATE5
845	4709.60	4351.85	98.60	GATE6
846	4714.95	4357.75	98.51	GATE7
847	4720.42	4363.56	98.53	GATE8
848	4726.00	4369.36	98.58	GATE9
849	4731.51	4375.14	98.62	GATE10
850	4736.97	4381.00	98.63	GATE11
851	4742.45	4386.82	98.63	GATE12
852	4747.97	4392.66	98.56	GATE13
853	4753.47	4398.45	98.54	GATE14
854	4758.96	4404.30	98.46	GATE15
855	4764.38	4410.13	98.41	GATE16
856	4769.93	4415.96	98.38	GATE17
857	4775.34	4421.78	98.37	GATE18
858	4780.90	4427.56	98.40	GATE19
859	4786.33	4433.41	98.35	GATE20
860	4791.87	4439.21	98.39	GATE21
861	4797.36	4445.02	98.39	GATE22
862	4802.91	4450.86	98.41	GATE23
863	4808.40	4456.63	98.39	GATE24
864	4813.89	4462.48	98.41	GATE25
865	4819.34	4468.30	98.40	GATE26
866	4824.84	4474.11	98.41	GATE27
867	4830.33	4479.92	98.43	GATE29
869	4841.27	4497.49	98.41	GATE31
871	4852.29	4503.17	98.40	GATE32
872	4857.82	4509.02	98.38	GATE33
873	4863.18	4514.92	98.29	GATE34
874	4868.75	4520.68	98.38	GATE35
875	4874.24	4526.44	98.42	GATE36
876	4879.74	4532.27	98.41	GATE37
877	4885.22	4538.05	98.43	GATE38
878	4890.75	4543.88	98.42	GATE39
879	4896.20	4549.72	98.41	GATE40
880	4901.78	4555.53	98.44	GATE41
881	4907.30	4561.26	98.51	GATE42
882	4912.84	4567.05	98.59	GATE43
883	4918.31	4572.84	98.64	GATE44

— MILLER HYDRO GROUP —

P. O. Box 97 - Lisbon Falls, Maine 04252-0097
Tel. (207) 846-3991 - Fax (207) 846-3796

July 6, 2009

James K. Wing
Senior Civil Engineer
Federal Energy Regulatory Commission
Division of Dam Safety & Inspection
New York Regional Office
19 West 34th Street - Suite 400
New York City, New York 10001-3006

Dear Mr. Wing:

Please be advised that following the end of spring run-off in late May we observed that the elevation of a portion of the Worumbo crib dam had settled below that which we observed prior to beginning of run-off. In early June a brief interval of low water conditions allowed us to draw the pond down so that we could observe the situation, take photographs, and conduct a precision survey for changes in elevation or movement in the downstream direction.

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We thank you for your attention and look forward to such assistance as the NYRO can provide to us during this process.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mark Isaacson', with a long horizontal flourish extending to the right.

Mark Isaacson
Vice President
Miller Hydro Group

Document Content(s)

CribFiling_1.PDF.....	1-2
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