

**FEDERAL ENERGY REGULATORY COMMISSION**  
Office of Energy Projects  
Division of Dam Safety and Inspections – New York Regional Office  
19 West 34<sup>th</sup> Street, Suite 400  
New York, NY 10001

Telephone No. (212) 273-5900

Fax No. (212) 631-8124

**In reply, refer to:**

**P-3689-RI, Pawtucket No. 2  
NATDAM No. RI0066  
Downstream Fish Passage  
Stability of Stone Masonry Wall**

**August 6, 2012**

**Mr. Charles Rosenfield  
Pawtucket Hydropower, LLC.  
87 Senexet Road  
Woodstock, CT 06281**

By letter dated April 5, 2012, you submitted the design drawings for the upstream fish ladder and downstream fish passage facilities. Based upon our May 3, 2012 review letter, you submitted technical memorandums dated May 25, 2012 and June 19, 2012 that provided updated drawings and design calculations. Additionally, by teleconference held on June 16, 2012 it was noted that the reaction for the load testing of the downstream fish passage anchors would bear on adjacent masonry units to not only test the anchor bond but to assure the masonry units would not dislodge under the design loads.

Based upon our review of your submittals, proposed anchor testing program, and with the understanding that you have obtained all necessary federal, state and/or local permits, you are hereby authorized to proceed with the proposed construction.

Please note that within 45 days of completion of construction you are to submit to this office a letter with the following certifications (notarized in accordance with 18CFR Part 12, Paragraph 12.13 of the Commission's Regulations):

- A certification by the Design Engineer that the project was constructed in accordance with the design intent.
- A certification by the Quality Control Manager that the results of the inspection and testing program results in a conclusion that the project was constructed in accordance with the plans and specifications.
- A certification from the Licensee that the construction fulfills the design intent and was constructed in accordance with the plans and specifications reviewed by FERC.

*Project 3689-RI*

2

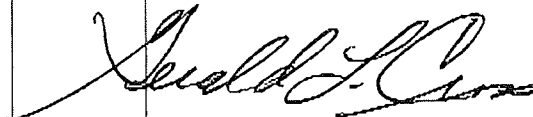
Within 60 days following completion of construction, please submit a final construction report in accordance with the enclosed outline.

Within 90 days following completion of construction, you should file a revised Exhibit F drawing for our approval.

If during the design and construction process the plans and specifications are revised, it is your responsibility to assure these changes are properly coordinated between the design engineer, the QCIP manager, FERC, and yourself. In addition, if any changes are made that requires a change in the operation of the project, it is your responsibility to assure these changes are properly coordinated with FERC. You are reminded that no changes to operation of the project can be made until they are authorized by FERC.

Thank you for your continued interest in dam safety matters. Should you have any questions, please contact Mr. Noel Aglubat at (212) 273-5907 or by e-mail at Noel.Aglubat@ferc.gov. Your continued cooperation is appreciated.

Sincerely,



Gerald L. Cross, P.E.  
Regional Engineer

***Project 3689-RI******Enclosure 1*****FINAL CONSTRUCTION REPORTS FROM LICENSEES**

The Licensee should submit a final construction report within 90 days from the completion of work. This report should include all information pertinent to the dam safety in a concise form, should be included by the Licensee in the project file and it should be given to the independent consultant for his safety inspection and analyses, if applicable.

As such, the report should contain a summary of information in each of the applicable sections indicated below (the information was previously presented in the monthly reports). Tabular form for test result presentation with indication of applicable standard is recommended for conciseness. If certain sections are not applicable, skip them. Include construction difficulties under sections where it applies.

1. **General**. Briefly present the reason for construction and description of work with dates of beginning and end of construction. Include reservoir drawdown and filing dates, any findings regarding the original structure.
2. **Foundations**. Present specifically condition of foundation (faults, etc.) When uncovered, and foundation treatment. Attach foundation mapping.
3. **Embankments**. Describe the equipment, type of materials used in filters and fills, attach gradation and compaction requirements and all test results.
4. **Concrete work**. Describe equipment and materials, include all concrete and grout test results, describe surface treatments.
5. **Anchors**. Present summary of drilling operation including boring logs; results of water pressure tests; anchor design calculations, design loads, specification; results of grout test; results of proof and performance tests; and summary of acceptance criteria.
6. **Instrumentation**. Present plots of existing instrumentation readings during the construction, if the readings are affected. Include details, complete schedule, plan of calibration/reading of all new instrumentation.
7. **Drawings**. Attach as-built drawings reduced in size to 8.5"x11" or 11"x17". The drawings should include plan, section and details of the structure affected by the new work. Any new instrumentation should be shown on plan and sections.