



September 6, 2013

Rock-Koshkonong Lake District
Brian Christianson
374 E. Samuelsen Drive
Edgerton, WI 53534

Subject: Indianford Dam, Field File # 53.04, Rock River, Rock County, Conditional Approval of Temporary Cofferdam for Inspection of Powerhouse

Dear Mr. Christianson:

We have reviewed the submittal received from Montgomery Associates describing the proposed methodology for the Indianford Dam 2013 consultant inspection. We have reviewed the submittal and concur with the approach. Specifically, the purpose of this letter is to approve the proposed cofferdam that will be used to dewater the powerhouse for the inspection. The proposed cofferdam is hereby conditionally approved under Ch. 31.02 and 31.19, Wis. Statutes.

The cofferdam will allow dewatering and exposure of the Indianford Dam powerhouse trash racks and approximately 5000 square feet of the Rock River channel immediately upstream of the trash racks. In addition to inspection of the structure, abutments and powerhouse turbine pit; activities to be conducted will include clearing the trash racks of accumulated debris and removal of sediment that has accumulated above the elevation of the base of the trash racks for an average distance of 50 feet upstream of the trash racks. This distance will be limited where it is adjacent to the shoreline and the cofferdam so that it will not compromise their integrity. The total volume of material to be removed is estimated to be less than 500 cubic yards. The removal of the accumulated material is also hereby approved and is necessary as maintenance of the existing dam structure to maintain hydraulic capacity. The material must be hauled in sealed trucks or dewatered onsite and must be properly disposed of at an approved site.

Prior to installation of the proposed cofferdam, a design stamped by a professional engineer registered in the state of Wisconsin must be submitted to me for review and approval. Additionally, the cofferdam may not be installed in times of high flow when the powerhouse is needed for hydraulic capacity in order to control water levels of the lake. Finally, when the cofferdam is installed the area should be drained in a controlled manner. Any fish that are stranded within the cofferdam should be placed back into the river.

The discharge from dewatering this area will be subject to the conditions of the Short Duration Discharge General Permit WI-0059137-03-0, with criteria for Total Suspended Solids concentration of the discharge water, after treatment, to be either 40 mg/L or not more than the TSS concentration in the Rock River at the time of discharge.

Please keep me posted on the timeframe of the project and let me know when the cofferdam is in place. If I am able, I would like to join your consultant for the inspection. If you have any questions concerning this letter or the operation and maintenance of your dam, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Rob Davis".

Robert R. Davis, P.E.
Water Management Engineer
South District
Robert.Davis@Wisconsin.gov
608-275-3316

cc: Bill Sturtevant, P.E. - WT/3
Rob Montgomery, P.E. - Montgomery Associates (via email)
Boyd Richter, Conservation Warden (via email)

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