



June 6, 2013

Mr. Robert Davis, PE
Wisconsin DNR – Fitchburg Service Center
3911 Fish Hatchery Road
Fitchburg WI, 53711

Re: Indianford Dam – Sequence Number 608, Field File Number 53.04
MARS Project Number: 1587 – 01

VIA: EMAIL

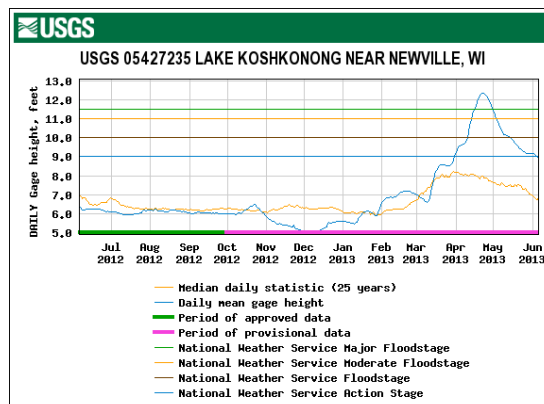
Dear Rob,

On behalf of the Rock Koshkonong Lake District (RKLD), we present the following:

Indianford Dam safety inspection schedule

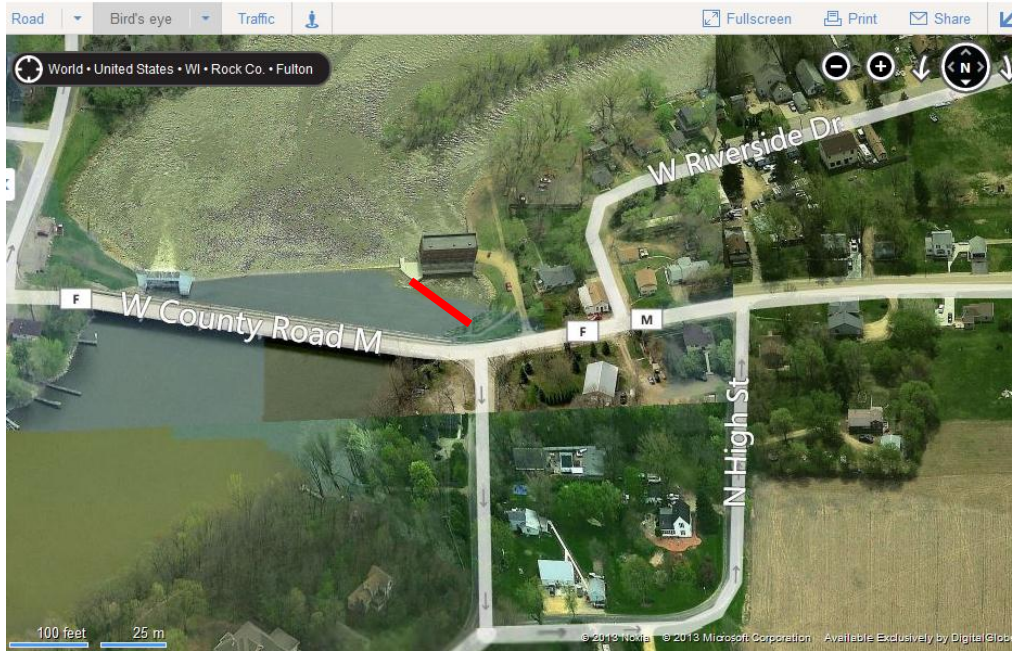
RKLD has authorized Montgomery Associates to conduct the dam inspection and reporting for the Indianford Dam. We appreciate your help in obtaining electronic copies of the DNR file, which we will use to augment the file data available from RKLD. We are currently reviewing this information.

We would like to conduct the field inspection of the dam during relatively low water, to provide the best opportunity for observation of the structure. The graph below illustrates water levels on Lake Koshkonong over the past year and also the median water levels observed for the period of record. In “normal” years, we would expect low-water conditions to be prevalent in July through October. However, due to the gradually receding flood conditions on the Rock River, it does not appear water levels will be at the summer targets, or even at lower flow, until possibly August. We are planning to conduct the field inspection during August, and providing a report to the DNR in October 2013. However, this schedule may be pushed back somewhat depending upon Rock River levels. We will keep you informed regarding our schedule.



Investigation of debris accumulation at the Indianford Dam trash racks

As you know, the powerhouse trash racks are subject to debris accumulation that can restrict the amount of water that can be passed through the powerhouse wicket Gates. RKLD would like to conduct a field investigation to confirm conditions in the lower portion of the trash racks and on the riverbed in the vicinity of the trash rack entrance. This investigation would be conducted by placing a temporary cofferdam across the river as shown on the air photo (from Bing maps) below.



The temporary cofferdam would be placed approximately in the alignment indicated by the red line in the above photograph. It would extend from the existing concrete platform River word of the existing powerhouse to the bank of the river downstream of the County Highway Bridge. As we have discussed, RKLD will consider using a "portadam" approach to constructing the temporary cofferdam, but it may well be cheaper to construct the cofferdam out of crushed stone. All materials used to construct the cofferdam (including crushed stone) would be removed at the conclusion of the investigation. We anticipate that after the cofferdam has isolated the area of the trash racks from the River, the water will be pumped out of this section, and investigation activities will include the following:

1. Clearing debris that has accumulated against the trash racks
2. Investigating the structural condition of the racks, noting any damage, and working with equipment suppliers to determine the best course of action for repairing damage, as necessary.
3. Clearing of debris that may have accumulated on the riverbed upstream of the trash racks
4. On-site meetings with equipment suppliers to view the exposed trash racks and powerhouse structure, in order to provide ideas and quotations on an appropriate mechanized trash rack

clearing mechanism. We will also invite DNR's input and suggestions on this issue. It is possible that we would be able to install portions of the mechanical systems selected during the course of the water level drawdown at the trash racks.

We would like to complete this work during low-water conditions when it is least likely that the hydraulic capacity of the Wicket Gates will be needed to meet Lake Koshkonong water level operating order requirements. We anticipate that the best time to complete this work will be in August or September 2013.

Please consider this description a formal request on behalf of RKLD for authorization to install a temporary cofferdam, conduct investigations described above, and then remove the cofferdam. Please contact us with any additional information you may need to support this request.

Please contact Brian Christianson, RKLD chairman, at 608-347-4002 or me at 608 839-4422 with any questions.

Sincerely,

Montgomery Associates: Resource Solutions, LLC



Robert J. Montgomery, PE
Principal

Copy, w/enclosures: Brian Christianson