

**Resolution No. 7-0216**

**WHEREAS**, since the late 1960's, Wisconsin Statute 87.30 has required all counties to adopt and administer a floodplain zoning ordinance that, at a minimum, includes the standards the of Wisconsin Administrative Code NR116;

**WHEREAS**, the National Flood Insurance Program (NFIP) exists in tandem with local floodplain zoning with the purpose of providing federally underwritten flood insurance and requires that minimum standards be imposed on development in the floodplain in order for a community to be eligible for the program;

**WHEREAS**, part of Iowa County's responsibility is to adopt and incorporate dam failure analyses as recommended by the Wisconsin Department of Natural Resources for the purpose of maintaining current floodplain data;

**WHEREAS**, the Wisconsin Department of Natural Resources has reviewed and is requiring Iowa County to adopt a dam failure analysis for the Wright (Taliesin) Dam located in the SW1/4-NW1/4 of Section 30, Town 8N, Range 4E in the Town of Wyoming referenced as Wright (Taliesin) Dam, Field File 25.01, Lowery Creek, Iowa County;

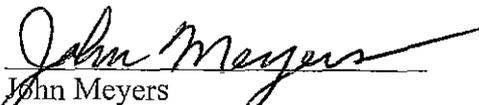
**WHEREAS**, the Iowa County Planning and Zoning Committee held the required public hearing on January 27, 2016 regarding this dam failure analysis;

**WHEREAS**, said Committee is recommending adoption of the analysis;

**NOW THEREFORE BE IT RESOLVED THAT** the Iowa County Board of Supervisors list by reference the Wright (Taliesin) Dam Failure Analysis in Section 1.5(2)(b) of the Iowa County Floodplain Ordinance as an official regulated floodplain map to include:

- a) Floodway map dated October 5, 2015 and titled "Hydraulic Shadow Map – Wright Dam"
- b) Flood profile undated and titled "Wright Dam Failure Analysis – Hydraulic Shadow Profile"
- c) Floodway data table undated and titled "Wright Dam Failure Floodway Data – Lowery Creek"

Adopted this 16<sup>th</sup> day of February, 2016

  
John Meyers  
Iowa County Chairman

ATTEST:

  
Gregory T. Klusendorf  
Iowa County Clerk/Interim County Administrator

**CERTIFICATION OF ADOPTION**

This is to certify that the County Board of Iowa County duly adopted the above resolution on the 16<sup>th</sup> day of February, 2016.

  
Gregory T. Klusendorf  
Iowa County Clerk  
Iowa County, Wisconsin



November 18, 2015

Mr. Scott A. Godfrey, Director  
Iowa County Office of Planning and Development  
222 N Iowa Street  
Dodgeville, WI 53533

Subject: Wright (Taliesin) Dam, Field File: 25.01, Lowery Creek, Iowa County  
Floodplain Mapping, Ordinance Adoption Notice

Dear Mr. Godfrey:

On October 27, 2015, the Department of Natural Resources (Department) approved the dam failure analysis for the Wright (Taliesin) Dam located in the Southwest Quarter of the Northwest Quarter of Section 30, Township 8 North, Range 4 East, Town of Wyoming, Iowa County, across Lowery Creek. Based on the results of the approved study the dam was assigned a final hazard rating of Low Hazard.

The areas of potential dam failure inundation (hydraulic shadow) are adequately reflected on a map with additional information such as stationing, water surface profile, maximum velocities, and floodway widths provided on a profile plot and in a floodway data table. This information is provided in the following enclosures:

1. Floodway map dated October 5, 2015 and titled "Hydraulic Shadow Map – Wright Dam"
2. Flood profile undated and titled "Wright Dam Failure Analysis – Hydraulic Shadow Profile"
3. Floodway data table undated and titled "Wright Dam Failure Floodway Data – Lowery Creek"

Under the requirements of Chapter 87.30, Wisconsin Statutes and Chapter NR 116.05, Wisconsin Administrative Code, the materials submitted with this letter need to be reviewed and any comments on technical aspects of the study shall be provided to the Department within 30 days from the date this decision was delivered. After the 30-day review and comment period, the County shall formally adopt the above referenced materials into the floodplain zoning ordinance within six months.

To assist you in the adoption process, refer to Wisconsin Administrative Code, Chapter NR 116 and the procedures outlined in "Floodplain and Shoreland Zoning: A Guidebook for Local Officials". Please pay particular attention to the Class 2 notice requirements for public hearings. The second publication must be at least one week before the hearing. After the County has approved the amendment, a certified copy must be sent to me for final administrative review and approval. Please provide a notarized affidavit of publication as proof of the Class 2 publication and other supporting documentation.

If you have any questions, please contact me at (608) 275-3287 or Tanya.Lourigan@wisconsin.gov.

12-1-15

**NOTICE OF APPEAL RIGHTS**

If you believe that you have a right to challenge this decision, you should know that the Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to sections 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review must name the Department of Natural Resources as the respondent.

To request a contested case hearing pursuant to section 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. All requests for contested case hearings must be made in accordance with section NR 2.05(5), Wis. Adm. Code, and served on the Secretary in accordance with section NR 2.03, Wis. Adm. Code. The filing of a request for a contested case hearing does not extend the 30 day period for filing a petition for judicial review.

This decision was mailed on 11/18/15.

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES  
For the Secretary

By Tanya L. Hourigan  
Tanya L. Hourigan, P.E.  
Water Management Engineer  
Fitchburg Service Center

Attachments: Wright Dam Failure Analysis – Hydraulic Shadow Map, Hydraulic Shadow Profile, and Floodway Data Table

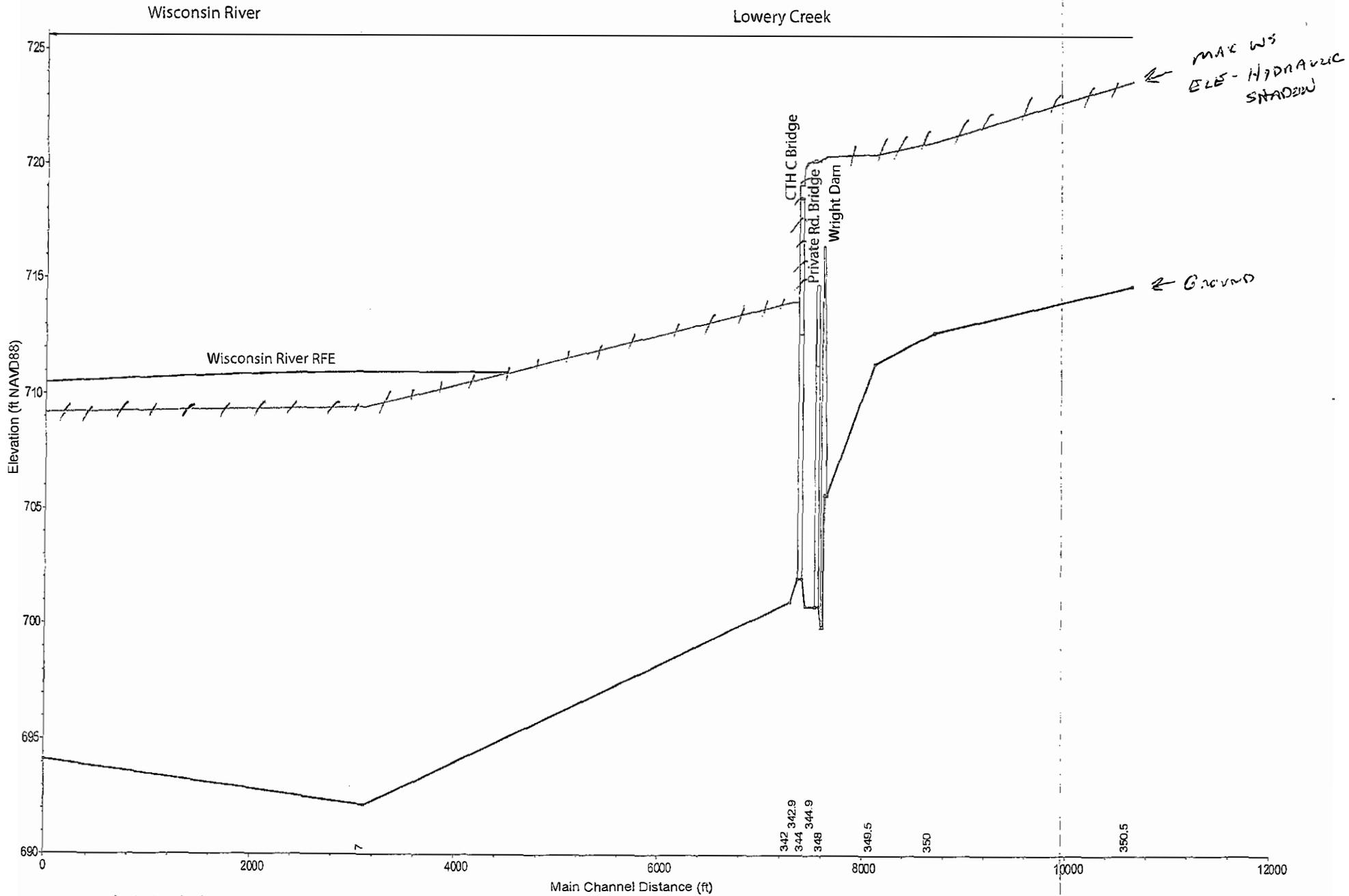
cc: Carol McChesney Johnson, President – Frank Lloyd Wright Foundation  
Bill Sturtevant, P.E., State Dam Safety Engineer – Department of Natural Resources (email)

FLOODING SOURCE		FLOODWAY			DAM FAILURE WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE <sup>1</sup> (FEET)	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
349.00	7553	438.53	3160.00	0.01	720.8*	720.8*	720.8*	0.00
348.00	Wright Dam							
347.00	7503	290	2229.47	4.13	720.3	720.3	720.3	0.00
345.00	7481	230	2473.87	3.05	720.3	720.3	720.3	0.00
344.95	Private Road Bridge							
344.90	7481	230	2433.88	3.10	720.1	720.1	720.1	0.00
344.00	7383	110	1658.52	4.19	720.1	720.1	720.1	0.00
343.00	7357	58	962.37	6.31	719.8	719.8	719.8	0.00
342.95	CTH C Bridge							
342.90	7356	58	626.52	9.26	714.0	714.0	714.0	0.00
342.00	7284	60	664.72	8.42	714.0	714.0	714.0	0.00
7.00	3114	6470	47572.13	0.14	711.0**	711.0**	711.0**	0.00
IOWA COUNTY WISCONSIN				WRIGHT DAM FAILURE FLOODWAY DATA				
				LOWERY CREEK				

<sup>1</sup> D/S channel distance from RS 7.00 (Wisconsin River RS 343050)

\* FIS Base Flood Water Surface Elevation on Lowery Creek

\*\* FIS backwater from Wisconsin River



**Wright Dam Failure Analysis**  
 Hydraulic shadow profile  
 Iowa County