

Floodplain and Shoreland Management *Notes*

Gary Heinrichs DNR Floodplain Management Program Manager Retires

The first week of July brought major changes to the WDNR Dam Safety and Floodplain Management Section. Gary Heinrichs, Wisconsin's National Flood Insurance Program State Coordinator and Floodplain Management Program Manager retired after 22 years with the program. Miriam Gradie Anderson, Floodplain Management Specialist has been designated as the Acting NFIP State Coordinator and program manager.

Gary first joined the WDNR Dam Safety and Floodplain Management Section in January 1993. His introduction to floodplain management was essentially a baptism by fire and water. The Midwest floods of 1993 began just two and half months after he joined the program. Gary helped document the numerous flooding events throughout the state, including videos of the flood damage, emergency response and mitigation projects. The mitigation videos included the Village of Darlington project, as well as numerous projects in the Milwaukee area. He also edited *The Floods of 1993: The Wisconsin Experience*, an overview of the cause and damage of the flooding.

Gary's experience during the 1993 floods provided excellent training for responding when Wisconsin suffered widespread



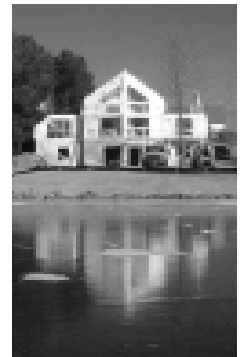
flooding in 1996, 2001, 2008 and 2010. As part of the State's response to the 2008 flooding, Gary coordinated with FEMA in developing and presenting a series of workshops for local officials focused on substantial damage and included Wisconsin's higher standards.

During his time at the WDNR, Gary worked on a wide variety of projects ranging from leading the update of the Floodplain/Shoreland Management Guidebook (used by agency staff and local officials in implementing local floodplain management programs), to obtaining funding for and the writing of *Living in the Floodplain*, a brochure focused on providing citizens with information on owning properties in the floodplain. He also edited and contributed to the *Floodplain Shoreland Notes* newsletter throughout his time with the floodplain program. The newsletter is published three times a year and sent to all Wisconsin communities, as well as others interested in the floodplain management profession. He was also the WDNR's representative to the Wisconsin State Hazard Mitigation Team and served as the NFIP coordinator.

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Gary was heavily involved in the DNR Municipal Flood Control Grant Program and participated in the development of rules for the program, as well as implementation. He also led multiple rewrites of the state's Model Floodplain Ordinance and was involved in a number of complex floodplain enforcement cases, working hard to ensure that appropriate remediation actions were taken to resolve the violations.



Gary was always a strong advocate for floodplain management in Wisconsin since joining the WDNR Floodplain Management Program. In his position as Floodplain Management Program Manager, he worked tirelessly to ensure Wisconsin citizens have the information necessary to understand the risks associated with the flooding. He believed in ensuring that local officials and others had the tools and training necessary to successfully implement floodplain management on a day-to-day basis. Gary developed and conducted a series of workshops on floodplain management and flood insurance. He was frequent

presenter at conferences and meetings focused on floodplain management throughout the state such as the Wisconsin County Code Administrators Association annual meetings. He also worked closely with FEMA to ensure local officials had access to the courses given at the Emergency Management Institute. Gary participated in the development of several guidance documents to be used by both DNR staff and the public. These included the recent *Letters of Map Change Process Guidance* and *Campground Structures in the Floodplain Guidance*.

While ensuring good floodplain management practices at a local level has been a priority to Heinrichs, he was also involved in floodplain management policy at a national level. As an Association of State Floodplain Managers member, he co-chaired the Insurance Committee and participated in numerous national policy group meetings.

Possibly Gary's greatest contribution to ensuring good floodplain management in Wisconsin was in his on-going daily contact and support to local officials, consultants and citizens. He was effective in explaining sometimes complex regulatory rules in a clear and understandable manner. He worked hard at being available by phone, e-mail or in person.

Gary will be greatly missed. But we know he will definitely travel to exotic places, see many interesting things and have great stories to tell from his adventures in retirement.



New Technical Assistance App

The WDNR has developed a new web based application to request technical assistance from the Dam Safety and Floodplain Management staff. The app can be found on the front web page of Dam Safety (<http://dnr.wi.gov/topic/dams/>) and Floodplain Management (<http://dnr.wi.gov/topic/floodplains/>). The app will allow users to submit .pdf documents with the request as well as a map of the property being discussed.

Using the app is simple. The first question asked is the most common question received by staff "Is my property located in the floodplain?" If users respond "Yes" then they are directed to contact the local Zoning Administrator. The local contact information is pulled from the WDNR Floodplain Management Community Database. Users are also given the option to view the Digital Flood Insurance Rate Maps on FEMA's Map Service Center website.

If the users are looking for information other than a flood zone determination then they are asked to specify if the request is for assistance with a dam or floodplain related issue. The Floodplain option asks users to choose from a list of options the category which best matches their question. Users are then asked to enter contact information, details regarding the question and to attach any supporting documentation (.pdf format only/4 MB maximum). Users may also create a map pinpointing the area in question.

It is important to note that several of the options under Request Details for Floodplain requests will send the user to the appropriate local zoning administrator rather than to WDNR staff. If the local zoning administrator needs assistance responding to the request, the zoning administrator should then submit a request for assistance. Requests from local officials will go directly to the appropriate WDNR staff person.

New Floodplain Guidance Available

WDNR Floodplain Management has issued two new guidance documents for local officials. The new guidance can be downloaded as pdfs at <http://dnr.wi.gov/topic/floodplains/Communities.html#Handbook>. This guidance applies only to floodplain zoning standards. Other zoning regulations may also apply and should be reviewed before issuing a permit.

The *Campground Structures in a Floodplain Guidance* was developed to assist local officials in determining the appropriate placement and use of structures within the regulatory floodplain as depicted on the community's Flood Insurance Rate Maps or Flood Hazard Boundary Maps. Permanent structures other than legal non-conforming structures are prohibited in the floodway. The guidance can assist local officials in determining what types of temporary structures may be allowed.

The *Letters of Map Change (LOMC) Process* guidance was developed to assist local officials in explaining and enforcing the requirements and standards for FEMA's Conditional Letters of Map Revision (CLOMR) and Letters of Map Revision (LOMR). The guidance includes the development standards for projects in the floodplain along with flowcharts for the review process in both A and AE Zones. The guidance also includes review criteria for minor projects in A Zones.

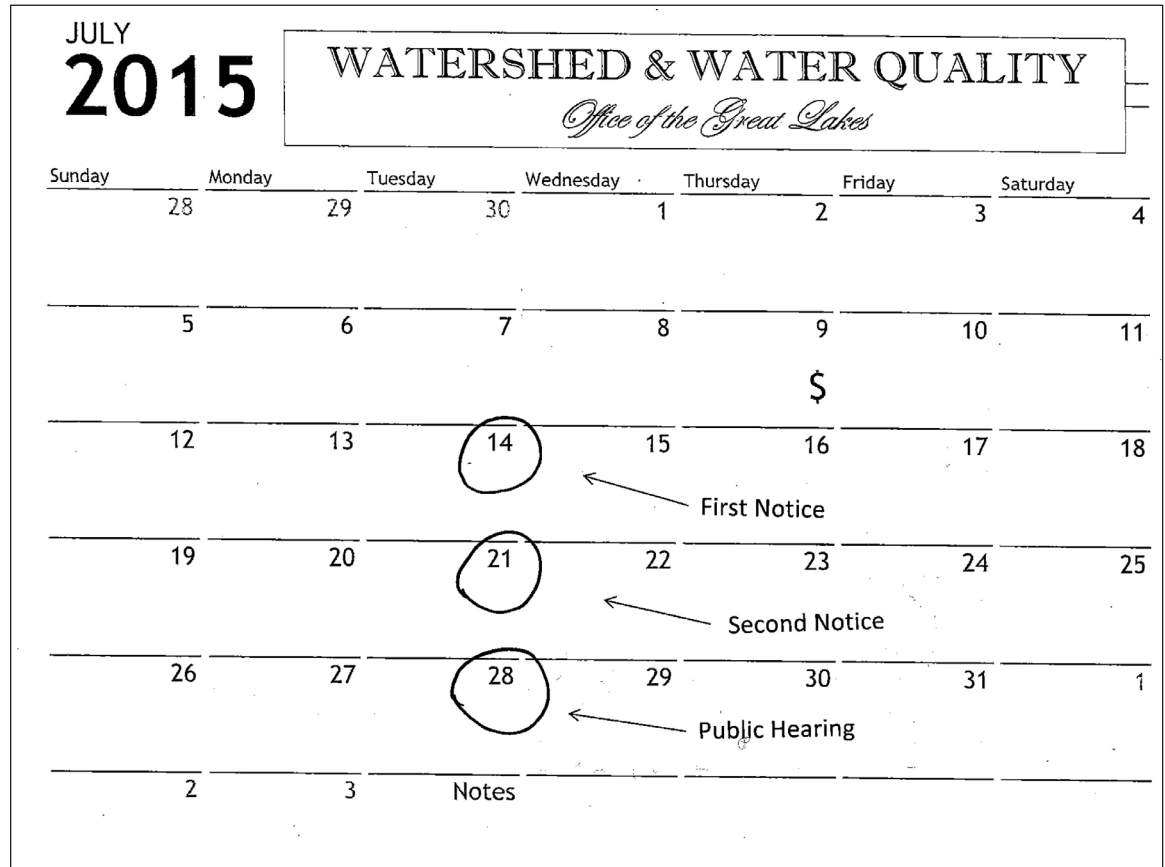
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How to do a Class 2 Public Notice

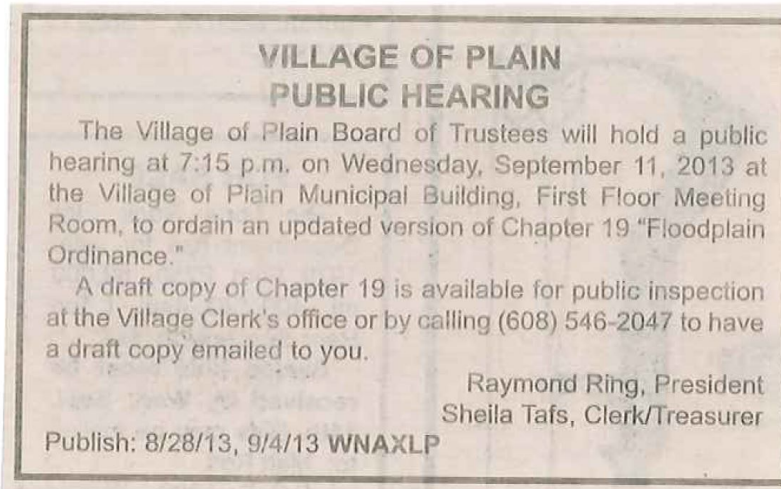
One of the most frequently asked questions regarding the ordinance amendment process is "How do I do a Class 2 Public Hearing Notice?" Also, one of the most frequent reason for an ordinance amendment being considered invalid is the failure to notice the public hearing correctly. So, what is the correct notice process for a public hearing?

A public hearing must be held whenever a floodplain ordinance is amended. Under state statutes, the public must be notified of the hearing through the Class 2 notice process. For most communities in Wisconsin, the notice is published in the official newspaper. The notice must include a summary of the purpose of the meeting, the place/time of the hearing and the location of where any documents to be discussed can be viewed prior to the hearing. The summary of the proposed ordinance or amendments should contain sufficient detail so that it is clear what is to be acted upon. The notice must appear in a newspaper on two consecutive weeks, the last publication at least seven days prior to the hearing (excluding the date of publication, but including date of hearing). See Examples 1 and 2 below.

Some communities do not have an official newspaper. In these cases, posting is acceptable. A posted notice of public hearing must be posted in three public places at least two weeks prior to the hearing. The notice must include a summary of the purpose of the meeting, the place/time of the hearing and the location of where any documents to be discussed can be viewed prior to the hearing. The summary of the proposed ordinance or amendments should contain sufficient detail so that it is clear what is to be acted upon. See Example 3 below.



Example 1. Class 2 Notice Newspaper Publication Calendar



Example 2. Class 2 Notice Newspaper Publication

**NOTICE OF PUBLIC HEARING
FLOOD PLAIN ORDINANCE
CITY OF LOYAL, CLARK COUNTY**

CITY OF LOYAL
PUBLIC NOTICE is given to all persons in the City of Loyal that a public hearing will be held on April 20, 2010, at 6 p.m. until 6:15 p.m., to solicit comments on proposed floodplain ordinance revisions that are required by the state and federal law. These revisions are on file in the office of the city clerk.

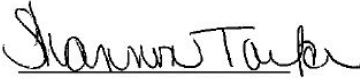
The proposed regulations are intended to protect life, health and property in the floodplain areas and will govern uses permitted in mapped floodplains. Activities such as dredging, filling, excavating and construction of buildings are generally allowed, but may be restricted according to which flood zone the property is in. A copy of the proposed ordinance will be on file and open for public inspection in the office of the city clerk for a period of two weeks prior to this public hearing.

All persons interested are invited to attend this hearing and be heard. Written comments may be submitted to:
City of Loyal Planning and Zoning Committee, Tom Duell, chairperson.

Dated in Loyal, Wis., this 31st day of March, 2010.
Shannon Toufar, City Clerk

AFFIDAVIT OF POSTINGS
On March 31, 2010 this was posted in 3 different places: City Clerks office, outside of the Loyal City Hall, and at the Loyal Post Office.

This posting was taken down on April 20, 2010 after the public hearing and that Common Council met.


Shannon Toufar, City Clerk

Example 3. Class 2 Notice Posting

Flood Insurance Update

Changes came to the National Flood Insurance Program as of April 1, 2015 as required under the Homeowners Flood Insurance Affordability Act (HFIAA) of 2014. Flood insurance rates and other charges were issued for new or existing policies. These changes affected the total amount policyholders will pay for a flood insurance policy.

Key changes as of April 1, 2015 included:

- Implementing annual rate changes that set rates using rate-increase limitations set by HFIAA for individual premiums and rate classes:
 - Limiting increases for individual premiums to 18 percent of premium.
 - Limiting increases for average rate classes to 15 percent of premium.
 - Mandatory increases for certain subsidized policyholders.
- Increasing the Reserve Fund assessments required by Biggert-Waters. The Reserve Fund was created to help cover costs when claims exceeded the annual premium collected by the NFIP.
- Implementing annual surcharges required by HFIAA for all new or renewed policies based on the use of the structure and the type of policy. The goal of the surcharge is to offset the slow-down of the elimination of currently subsidized rates and ensure the financial stability of the NFIP. The surcharge will continue until all subsidies are eliminated.
- Guidance for insurance agents on rating requirements for substantially damaged and substantially improved structures, and additional rating guidance on buildings constructed before their communities' first Flood Insurance Rate Maps (FIRMs) became effective (known as pre-FIRM structures).
- Implementing a new procedure for properties newly mapped into the Special Flood Hazard Area (SFHA) and existing Preferred Risk Policy Eligibility Extension (PRP EE), a cost-saving flood insurance coverage option for property owners whose buildings were newly mapped into an SFHA. The premiums will be the same as the PRP, which offers low-cost flood insurance to owners and tenants of eligible residential and non-residential buildings located in moderate-to low-risk areas for the first year (calculated before fees and assessments) to comply with provisions of HFIAA.
- Reformulating expense loading on premiums, reducing the expense load on the highest-risk policies as an interim step while investigating expenses on policies as required by Biggert-Waters.

In addition to premium changes and surcharges, HFIAA introduced other options:

- A new \$10,000 deductible for residential properties. Insurers will be required to inform applicants of the availability of the new \$10,000 deductible.
- New minimum deductibles for Preferred Risk Policies (PRP) and the Mortgage Portfolio Protection Program (MPPP) policies are \$1,000 for both building and contents if the building coverage is less than or equal to \$100,000. If building coverage is greater than \$100,000, the new minimum deductible is \$1,250. The contents-only policies of the PRP and MPPP Policies have a \$1,000 minimum deductible.
- A "primary residence" is one that will be lived in by the insured or his or her

spouse for more than 50% of the 365 days following the policy effective date. The insurer must now validate primary residence eligibility before applying the \$25 surcharge. To validate, an insurance agent must submit one of these: a driver's license, an automobile registration, proof of insurance for a vehicle, voter's registration, documents showing where their children attend school, or a Homestead Tax Credit Form for Primary Residence. Or if none of those documents are available then the agent must submit a signed and dated statement.

For further information on flood insurance and HFIAA go to:

- FEMA Flood Insurance Reform-Rates and Refunds Fact Sheets
<https://www.fema.gov/flood-insurance-reform-rates-and-refunds>
- Association of State Floodplain Managers
http://www.floods.org/index.asp?menuID=651#BW-12_Implementation

FEMA's Community Rating System

The Community Rating System (CRS) is an incentive program that encourages communities to adopt floodplain management activities exceeding the minimum National Flood Insurance Program (NFIP) requirements. CRS has three goals, which are:

- Reduce flood losses.
- Facilitate accurate insurance ratings.
- Promote the awareness of flood insurance.

In return for a community's adoption of standards that go above and beyond the minimum NFIP requirements, flood insurance premium rates for residents within the participating community are discounted. The discounts are designed to reflect the reduced flood risk to property owners resulting from the community's floodplain management activities, and the amount of the discount varies according to the community's level of effort.

Seventeen Wisconsin communities have recognized the value of the CRS Program in reducing risk to floodplain property owners and consequently have actively pursued a variety of floodplain management activities to reduce flood risks to citizens. For residents and business owners, the program has provided significant discounts on premiums for flood insurance policy holders.

At this time, five communities are Class 8 communities and policy holders in the floodplain receive a 10% premium discount (City of La Crosse, Village of Mazomanie, Ozaukee County, City of Waupun, Winnebago County). A total of eight communities are Class 7 communities and policy holders in the floodplain receive a 15% premium discount (Adams County, City of Eau Claire, City of Evansville, City of Fond du Lac, City of Green Bay, City of New Berlin, Village of Suamico, City of Watertown). Two communities are Class 6 communities and policy holders in the floodplain receive a 20% premium discount (Village of Allouez, City of Reedsburg). Two communities are Class 5 communities and policy holders in the floodplain receive a 25% premium discount (Village of Elm Grove, Kenosha County).

For further information regarding FEMA's Community Rating System go to <https://www.fema.gov/national-flood-insurance-program-community-rating-system> or contact Miriam Anderson at miriam.anderson@wisconsin.gov or 608-266-5228.

Current Letters of Final Determination

Letters of Final Determination (LFD) have been issued for several counties. Once an LFD has been issued, communities in the county with new Flood Insurance Rate Maps (FIRMs) and which participate in the National Flood Insurance Program (NFIP) have six (6) months to amend the local floodplain ordinance to include the new FIRMs and Flood Insurance Study (FIS). Communities which do not adopt the new FIRMs by the effective date of the maps will be immediately suspended from the NFIP.

Some communities may not receive new FIRMs and are required to only update the FIS reference. An FIS reference only update may not require a public hearing. Communities should check with their corporation counsel for clarification on local ordinance amendment requirements.

Communities which do not currently participate in the NFIP have one (1) year to join the NFIP and adopt the new maps. Information on joining the NFIP can be obtained from the DNR by sending an e-mail to DNRfloodplain@wisconsin.gov.

All ordinance amendments must be reviewed and approved by the DNR and FEMA before the effective date. For further information on ordinance amendments and adoption go to <http://dnr.wi.gov/topic/floodplains/communities.html> and download the appropriate DNR Model Floodplain Ordinance and Checklist and the Ordinance Approval Procedures. You may also contact your DNR Regional Engineer.

LFDs have been issued for the following counties and all the incorporated communities within the county:

| County | Effective Date |
|-------------------|--------------------|
| Crawford County | October 16, 2015 |
| Iowa County | December 16, 2015 |
| Rock County | September 16, 2015 |
| Sauk County | October 2, 2015 |
| Washington County | October 16, 2015 |

For information regarding upcoming LFDs go to <http://dnr.wi.gov/topic/FloodPlains/mapping.html#02> and open *Wisconsin counties project status*.

DNR Website for Mapping Status

The Department of Natural Resources has developed a website to provide communities and others with information regarding the Risk Map Program in Wisconsin. The website contains information on project status, the public open house schedule, the comment and appeal process, post preliminary map process and other mapping related issues.

Links to FEMA's website are included for information on Letters of Map Change and the Map Service Center.

For further information regarding the Risk Map Program contact:

Colleen Hermans - GIS/Process Issues
colleen.hermans@wisconsin.gov

Christopher Olds - Technical Issues
christopher.olds@wisconsin.gov

Lee Traeger - FEMA
lee.traeger@dhs.gov

The website is located at:
<http://dnr.wi.gov/topic/floodplains/>

Zoning Challenge

The houses marked A and B in the photo below are located in a Zone AE Floodfringe. Both houses were built in the 1960's and are considered pre-existing non-conforming structures. House A had an addition built in 1995 which equaled 47% of the equalized assessed value. House B received permits to remodel the kitchen in 2013. The kitchen remodel equaled 30% of the equalized assessed value. During a thunder storm, House A was struck by lightning and suffered severe fire, smoke and water damage. Due to high winds, the heat from the fire caused damage to the exterior of House B and the interior suffered water damage. What is the Zoning Administrator's responsibility? What would be required to repair the damage?



The Zoning Administrator is responsible for determining whether or not the structures are substantially damaged. The previous work done on the structures is not taken into consideration when determining if the structure is substantially damaged. A structure is considered substantially damaged if the repair cost (labor/materials) equals or exceeds 50% of the structure's equalized assessed value. If the structure is determined to be substantially damaged then it must be brought into compliance. If the damage is caused by an event other than a flood then the structure is only required to meet the minimum requirements of the NFIP, not the higher state standards.

House A is likely to be considered substantially damaged. It will need to have the lowest floor, including the basement or crawlspace, elevated to or above the base flood elevation using fill, pilings, columns, posts or perimeter walls. If perimeter walls are used then the walls must have a minimum of two openings having a total net area of not less than 1 sq" for every square foot of enclosed space; the openings shall be no higher than 1 foot above grade and the openings may be equipped with screens, louvers, valves or other coverings or devices that permit automatic entry or exit of floodwaters.

House B is likely not to be considered substantially damaged and can be repaired through the normal permitting process.

Training/Workshops/Conferences

FEMA Emergency Management Institute (EMI)

EMI has just released the list of Floodplain Management courses for FY2016. All courses will be hosted at the Emergency Management Institute (EMI) located about 10 miles south of Gettysburg, PA, in Emmitsburg, Maryland. The link for a more detailed description of the facility can be found at: <http://training.fema.gov/emi.aspx>

Course is (*almost*) FREE - FEMA will reimburse eligible students (typically State, Tribal and Local Government) for allowable travel costs and pay for all course materials and instructors. You or your organization should only have to purchase a non-reimbursed meal/break ticket from the cafeteria on site for the 4 days (about \$110.00). Lodging on site is free for State, Tribal and Local Government attendees. As with any federal course, there is a form (FEMA Form 119-25) to fill out (<https://training.fema.gov/apply/119-25-1.pdf>).

The application process works as follows:

1. FEMA Application (FEMA FORM 119-25) is filled out by applicant
2. Applicant's supervisor signs and dates application
3. Application is forwarded to State Training Office (Kevin Wernet, WEM kevin.wernet@wisconsin.gov 608-242-3331)
4. EMI Admissions processes/reviews the application and ensures pre-requisites were completed and notifies the student whether accepted or not via correspondence.

Please make sure you obtain and insert a Student ID # in block 3 (this replaced the SSN for security reasons, <https://cdp.dhs.gov/femasid/>). Acceptance letters are now e-mailed so please make sure your e-mail address in Block 8 is accurate (and legible!)

E194, E282, E284 Advanced Floodplain Management courses may be taken in any order; are not sequential.

E273 Managing Floodplain Development thru the NFIP Nov 16 – 19, 2015; Mar 7 – 10, 2016; June 27 – 30, 2016; Sep 12 – 15, 2016 (4 Course Offerings)

This 4-day course is designed to provide an organized training opportunity for local officials responsible for administering their local floodplain management ordinances. The course will focus on the NFIP: Concepts of floodplain management, Flood Insurance Rate Maps and studies, ordinance administration, and the relationship between floodplain management and flood insurance.

Selection Criteria: Local officials responsible for administering local floodplain management ordinances, including but not limited to floodplain management administrators, building inspectors, code enforcement/zoning officers, planners, city/county managers, attorneys, engineers, and public works officials. Federal/state/regional floodplain managers also are encouraged to attend. The course is designed for those officials with limited floodplain management experience. Attendance will be limited to two participants from any state for each offering.

Prerequisites/Required: Participants must complete the following online tutorials: Flood Insurance Rate Map (FIRM) tutorial at http://www.fema.gov/media/fhm/firm/ot_firm.htm (30 minutes) and Federal Insurance Studies (FIS) tutorial at http://www.fema.gov/media/fhm/fis/ot_fis.htm (40 minutes) Course Length: 4 days CEUs: 3.1 CECs: 12 (core).

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E194 Advanced Floodplain Management Concepts April 11 – 14, 2016

This course consists of four modules: NFIP Floodplain Rules and Regulations in Depth; LOMC - Procedures for Applying and Floodplain Management Implications; Roles and Responsibilities of the Local Floodplain Manager; and Preparing for Post-Disaster Responsibilities. Each topic is designed to be at a higher level of detail than any basic course. Developed and real-life scenarios will be examined and exercises will be conducted in each section to make sure participants not only understand the appropriate rules and regulations, but also why they are in effect and how to apply them. This course is exercise rich and participants can expect to be engaged throughout the course.

Selection Criteria: Community Officials with a Certified Floodplain Manager (CFM) designation or 2 years of full-time floodplain management experience as a community official.

Prerequisites: Recommended: Participants should have completed E273, Managing Floodplain Development through the NFIP. CECs: 12 (core).

E282 Advanced Floodplain Management Concepts II July 11 – 14, 2016

This advanced floodplain management course is a dynamic and interactive instruction that covers the following four topics in detail: Placement of Manufactured Homes, and Recreational Vehicles in the Floodplain (1 day), NFIP Flood Insurance Principles for the Floodplain Manager (1 day), Higher Standards in Floodplain Management (1 day) and Hydrology and Hydraulics for the FPM (1day). Each topic is designed to be discussed and reviewed in greater detail than the basic course. Developed and real-life scenarios will be examined and exercises will be conducted in each section to make sure participants not only understand the rules and regulations but also why they are in place and how to apply them in the particular topic areas. This course is exercise rich and participants can expect to be engaged throughout the course.

Selection Criteria: Certified Floodplain Managers (CFM) or community officials with 2 years of full-time floodplain management experience. Government officials will take precedence.

Prerequisites: Recommended: Participants should have completed E273, Managing Floodplain Development through the NFIP. CECs: 12 (core).

E284 Advanced Floodplain Management Concepts III Aug 29 – Sep 1, 2016

This advanced floodplain management course is a dynamic and interactive instruction that covers the following five topics in detail: Floodway Standards (1 day), Disconnects between NFIP Regulations and Insurance (1 day), Common Noncompliance Issues (½ day), Digital Flood Insurance Rate Maps (DFIRMs) (½ day), Substantial Improvement/ Substantial Damage (1 day), Each topic is designed to be discussed and reviewed in greater detail than the basic course. Developed and real-life scenarios will be examined and exercises will be conducted in each section to make sure participants not only understand the rules and regulations but also why they are in place and how to apply them in the particular topic areas. This course is exercise rich and participants can expect to be engaged throughout the course.

Selection Criteria: Certified Floodplain Managers (CFM) or community officials with 2 years of full-time floodplain management experience. Government officials will take precedence.

Prerequisites: Recommended: Participants should have completed E273, Managing Floodplain Development through the NFIP. CECs: 12 (core)

Continued from Page 11 . . .

Association of State Floodplain Managers

The Association of State Floodplain Managers (ASFPM) offers numerous training opportunities for floodplain managers. These include webinars such as *Finding that Base Flood Elevation (BFE)!* and *Introduction to the Community Rating System*. Go to <http://www.floods.org/n-calendar/calendar.asp?> to view upcoming webinars, training, conferences and other events.

UW - Madison Dept. of Engineering Professional Development Using HEC-RAS to Model Bridges, Culverts and Floodplains

On-line interactive sessions are held Fridays from 10:00 - 11:00 AM CST on October 9, 16, 23, November 6, 13, 20, December 4, 2015. Go to epd.engr.wisc.edu/2015floods for course description and registration information.

Wisconsin Association of Floodplain, Coastal and Stormwater Managers' 2015 Conference

November 4 – 6, 2015

Country Springs Hotel – Conference Center, Pewaukee, WI

The Wisconsin Association for Floodplain, Stormwater, and Coastal Management (WAFSCM) will be holding its 13th Annual Conference on November 4 – 6, 2015, at the Country Springs Hotel – Conference Center, Pewaukee, WI. Professional Development Hours (PDHs) can be achieved for all the conference events, up to 12 PDHs for attending events Wednesday through Friday.

More information on the WAFSCM 2014 conference agenda and registration can be found at <http://www.wafscm.org/annual-conference/>.

Staff Changes

Miriam Gradie Anderson - Watershed Management

Miriam Gradie Anderson has replaced Gary Heinrichs as the Floodplain Management Program Manager upon his retirement. She has also been appointed Wisconsin's Acting State National Flood Insurance Program Coordinator. Miriam has BA in Geography (Physical Geography/Cartography) from the University of Connecticut and a MS in Geography (Disaster Management) from the University of Massachusetts. Prior to joining the WDNR Dam Safety/Floodplain Management Program in 2004 as a Floodplain Management Specialist, she worked in a similar position with the Commonwealth of Massachusetts Department of Conservation and Recreation. Miriam has also worked as a local zoning administrator in Connecticut, Ohio and Missouri.

Contact information: Wisconsin Department of Natural Resources, 101 S. Webster Street, P. O. Box 7921, Madison, WI 53707 (608) 266-5228, miriam.anderson@wisconsin.gov.

Updating Your Floodplain Ordinance

Interested in updating your local floodplain ordinance? Download the latest Model Floodplain Ordinance at <http://dnr.wi.gov/topic/floodplains/communities.html> or contact Gary Heinrichs at gary.heinrichs@wisconsin.gov or Miriam G. Anderson at miriam.anderson@wisconsin.gov for further information.

WISCONSIN ASSOCIATION FOR FLOODPLAIN, STORMWATER AND COASTAL MANAGEMENT (WAFSCM)

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Membership Fee: \$20.00

Payments received from January 1 through September 30 are for current year membership.

Payments received from October 1 through December 31 will also include next year membership

Name: _____

Title: _____

Organization: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Ext.: _____ Fax: _____

E-mail: _____

Would you like to receive occasional announcements, newsletters and/or notices via E-mail: Yes ___ No ___

Other Affiliations: _____

Primary Interest: ___ Floodplain ___ Stormwater ___ Coastal

Specific Interest: _____

Please send a check for the annual Membership Fee of \$20.00 made payable to WAFSCM in care of:

Kristen Belan, PE, CFM
WAFSCM
c/o R. A. Smith National, Inc.
16745 W. Bluemound Road
Brookfield, WI 53005-5938

If you have questions, contact Kristen Belan at either Kristen.belan@rasmithnational.com or (262) 376-4246.

"Floodplain and Shoreland Management Notes" is published by the WDNR, Bureau of Watershed Management. Its purpose is to inform local zoning officials and others concerned about state and federal floodplain management, flood insurance, shoreland and wetland management, and dam safety issues. Comments or contributions are welcome.

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Floodplain Contacts:

- Miriam G. Anderson, 608-266-5228
miriam.anderson@wisconsin.gov
- Water Management Engineer
http://dnr.wi.gov/topic/floodplains/staff_flood.html

Shoreland Contacts:

- Water Management Specialist under Contact Information
<http://dnr.wi.gov/topic/Waterways/>

Dam Safety Contacts:

- Bill Sturtevant, 608-266-8033
william.sturtevant@wisconsin.gov
- Meg Galloway, 608-266-7014
meg.galloway@wisconsin.gov