

ILLINOIS STATE WATER SURVEY

INSTITUTE OF NATURAL RESOURCE SUSTAINABILITY



FEMA

LOMR/CLOMR Process

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Topics to be covered

- Illinois LOMR Delegation Program
- Types of Map Changes
- MT-2 Forms
- MT-2 Review Overview

Illinois LOMR Delegation

- Illinois State Water Survey began reviewing LOMR/CLOMR applications September 1, 2010
- Illinois one of only 3 statewide participants in the LOMR Delegation Program
- Cases should now be sent to the Illinois State Water Survey for review

Illinois LOMR Delegation

Illinois State Water Survey

Attn: Chris Hanstad

2204 Griffith Drive

Champaign, IL 61820

- LOMR/CLOMR review at ISWS follows same review and regulatory procedures as LOMR/CLOMR review at FEMA and/or contractors

Types of Map Changes

- MT-1 Requests (Not processed by ISWS)
 - Letter of Map Amendment (LOMA)
 - Conditional Letter of Map Amendment (CLOMA)
 - Letter of Map Revision Based on Fill (LOMR-F)
 - Conditional Letter of Map Revision Based on Fill (CLOMR-F)
- Does not result in a change to Flood Insurance Rate Map (FIRM) or Flood Insurance Study (FIS) data

Types of Map Changes

- MT-2 Requests
 - Letter of Map Revision (LOMR)
 - Conditional Letter of Map Revision (CLOMR)
 - Physical Map Revision (PMR)
- Now processed by ISWS
- Requirements from NFIP Regulation 44 (CFR)
Ch. 1 Parts 60, 65, and 72

Types of Map Changes

- Letter of Map Revision (LOMR)
 - An official letter issued to communities by FEMA that revises the effective data shown on the community's Flood Insurance Rate Map (FIRM) and/or Flood Insurance Study (FIS)
 - Does not re-issue FIRM panel or FIS
 - Published FIRM panel and FIS + Effective LOMRs = Effective Data for communities

Types of Map Changes

- Physical Map Revision (PMR)
 - Unlike LOMRs, PMRs re-issue FIRM panels and FIS.
 - FEMA makes determination to process a revision as either a LOMR or PMR, generally based on size and scope of revision.
 - Revisions affecting more than 1 full FIRM panel will generally be processed as PMR
 - ISWS will perform technical review of data and FEMA will issue 316-PMR letter stating that the study has been approved and will be mapped when FEMA funds the mapping project

Types of Map Changes

- Conditional Letter of Map Change (CLOMR)
 - Does not result in map change until follow-up LOMR is issued
 - FEMA's comment of the impacts of a potential project. Helps to ensure the project is compliant with NFIP regulation prior to construction
 - Not a "Permit"

When is a CLOMR required?

- 44 CFR 65.12 states:

When a community proposes to permit encroachments upon the floodplain when a regulatory floodway has not been adopted or to permit encroachments upon an adopted regulatory floodway which will cause base flood elevation increases in excess of...(0.00 ft in floodway) and/or [0.1 ft in floodplain]...the community shall apply to the Administrator for conditional approval of such actions prior to permitting the encroachments to occur...

- Some communities may require a CLOMR when FEMA does not

When is a LOMR required?

- 44 CFR 65.3 states:

A community's base flood elevations may increase or decrease resulting from physical changes affecting flooding conditions. As soon as practicable but not later than six months after the date such information becomes available, a community shall notify the Administrator of the changes by submitting technical or scientific data in accordance with this part...

- Required following CLOMR

MT-2 Forms

- Required for all LOMR, CLOMR, and PMR requests
- Helps request become compliant with CFR Parts 60, 65, and 72
- Helps applicant organize submittal
- Forms to be updated soon

MT-2 Form 1

- MT-2 Form 1 “Overview and Concurrence”
 - Required for all requests
 - Section A: Indicate if request is for LOMR or CLOMR

U.S. DEPARTMENT OF HOMELAND SECURITY - FEDERAL EMERGENCY MANAGEMENT AGENCY OVERVIEW & CONCURRENCE FORM		OMB No. 1660-0016 Expires: 12/31/2010
PAPERWORK BURDEN DISCLOSURE NOTICE <small>Public reporting burden for this form is estimated to average 1 hour per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless a valid OMB control number appears in the upper right corner of this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, U.S. Department of Homeland Security, Federal Emergency Management Agency, 500 C Street, SW, Washington DC 20472, Paperwork Reduction Project (1660-0016). Submission of the form is required to obtain or retain benefits under the National Flood Insurance Program. Please do not send your completed survey to the above address.</small>		
A. REQUESTED RESPONSE FROM DHS-FEMA		
This request is for a (check one):		
<input type="checkbox"/> CLOMR:	A letter from DHS-FEMA commenting on whether a proposed project, if built as proposed, would justify a map revision, or proposed hydrology changes (See 44 CFR Ch. 1, Parts 60, 65 & 72).	
<input type="checkbox"/> LOMR:	A letter from DHS-FEMA officially revising the current NFIP map to show the changes to floodplains, regulatory floodway or flood elevations. (See 44 CFR Ch. 1, Parts 60, 65 & 72)	

MT-2 Form 1 (continued)

- MT-2 Form 1 Section B
 - All communities and map panels affected must be listed
 - Types of flooding should be indicated
 - Project Name/ Identifier should be unique

B. OVERVIEW					
1. The NFIP map panel(s) affected for all impacted communities is (are):					
Community No.	Community Name	State	Map No.	Panel No.	Effective Date
Ex: 480301 480287	City of Katy Harris County	TX TX	480301 48201C	0005D 0220G	02/08/83 06/28/90
2. a. Flooding Source:					
b. Types of Flooding: <input type="checkbox"/> Riverine <input type="checkbox"/> Coastal <input type="checkbox"/> Shallow Flooding (e.g., Zones AO and AH)					
<input type="checkbox"/> Alluvial fan <input type="checkbox"/> Lakes <input type="checkbox"/> Other (Attach Description)					
3. Project Name/Identifier:					
4. FEMA zone designations affected: (choices: A, AH, AO, A1-A30, A99, AE, AR, V, V1-V30, VE, B, C, D, X)					
5. Basis for Request and Type of Revision:					
a. The basis for this revision request is (check all that apply)					
<input type="checkbox"/> Physical Change <input type="checkbox"/> Improved Methodology/Data <input type="checkbox"/> Regulatory Floodway Revision <input type="checkbox"/> Base Map Changes					
<input type="checkbox"/> Coastal Analysis <input type="checkbox"/> Hydraulic Analysis <input type="checkbox"/> Hydrologic Analysis <input type="checkbox"/> Corrections					
<input type="checkbox"/> Weir-Dam Changes <input type="checkbox"/> Levee Certification <input type="checkbox"/> Alluvial Fan Analysis <input type="checkbox"/> Natural Changes					
<input type="checkbox"/> New Topographic Data <input type="checkbox"/> Other (Attach Description)					
Note: A photograph and narrative description of the area of concern is not required, but is very helpful during review.					
b. The area of revision encompasses the following structures (check all that apply)					
Structures: <input type="checkbox"/> Channelization <input type="checkbox"/> Levee/Floodwall <input type="checkbox"/> Bridge/Culvert					
<input type="checkbox"/> Dam <input type="checkbox"/> Fill <input type="checkbox"/> Other (Attach Description)					

MT-2 Form 1 (continued)

- MT-2 Form 1 Section B
 - Select the affected FEMA Zone Designations
 - Select basis of request and type of revision
 - Select any structures applicable

B. OVERVIEW					
1. The NFIP map panel(s) affected for all impacted communities is (are):					
Community No.	Community Name	State	Map No.	Panel No.	Effective Date
Ex: 480301 480287	City of Katy Harris County	TX TX	480301 48201C	0005D 0220G	02/08/83 09/28/90
2. a. Flooding Source:					
b. Types of Flooding: <input type="checkbox"/> Riverine <input type="checkbox"/> Coastal <input type="checkbox"/> Shallow Flooding (e.g., Zones AO and AH) <input type="checkbox"/> Alluvial fan <input type="checkbox"/> Lakes <input type="checkbox"/> Other (Attach Description)					
3. Project Name/Identifier:					
4. FEMA zone designations affected: (choices: A, AH, AO, A1-A30, A99, AE, AR, V, V1-V30, VE, B, C, D, X)					
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Note: A photograph and narrative description of the area of concern is not required, but is very helpful during review.					
b. The area of revision encompasses the following structures (check all that apply)					
Structures: <input type="checkbox"/> Channelization <input type="checkbox"/> Levee/Floodwall <input type="checkbox"/> Bridge/Culvert					
<input type="checkbox"/> Dam <input type="checkbox"/> Fill <input type="checkbox"/> Other (Attach Description)					

MT-2 Form 1 (continued)

- MT-2 Form 1 Section C
 - Select if review fee is required or not and the amount required
 - Fee-exempt cases are defined by CFR 72.5

C. REVIEW FEE		
Has the review fee for the appropriate request category been included? <input type="checkbox"/> Yes Fee amount: \$ <input type="text"/>		
<input type="checkbox"/> No, Attach Explanation		
Please see the DHS-FEMA Web site at http://www.fema.gov/plan/prevent/fhm/fm_fees.shtm for Fee Amounts and Exemptions.		
D. SIGNATURE		
All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.		
Name:	Company:	
Mailing Address:	Daytime Telephone No.:	Fax No.:
	E-Mail Address:	
Signature of Requester (required):		Date:
As the community official responsible for floodplain management, I hereby acknowledge that we have received and reviewed this Letter of Map Revision (LOMR) or conditional LOMR request. Based upon the community's review, we find the completed or proposed project meets or is designed to meet all of the community floodplain management requirements, including the requirement that no fill be placed in the regulatory floodway, and that all necessary Federal, State, and local permits have been, or in the case of a conditional LOMR, will be obtained. In addition, we have determined that the land and any existing or proposed structures to be removed from the SFHA are or will be reasonably safe from flooding as defined in 44CFR 65.2(c), and that we have available upon request by FEMA, all analyses and documentation used to make this determination.		
Community Official's Name and Title:		Community Name:
Mailing Address:	Daytime Telephone No.:	Fax No.:
	E-Mail Address:	
Community Official's Signature (required):		Date:
CERTIFICATION BY REGISTERED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR		
This certification is to be signed and sealed by a licensed land surveyor, registered professional engineer, or architect authorized by law to certify elevation information data, hydrologic and hydraulic analysis, and any other supporting information as per NFIP regulations paragraph 65.2(b) and as described in the MT-2 Forms Instructions. All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.		
Certifier's Name:	License No.:	Expiration Date:
Company Name:	Telephone No.:	Fax No.:
Signature:		Date:
Ensure the forms that are appropriate to your revision request are included in your submittal.		
Form Name and (Number)	Required if ...	<div>Seal (Optional)</div>
<input type="checkbox"/> Riverine Hydrology and Hydraulics Form (Form 2)	New or revised discharges or water-surface elevations	
<input type="checkbox"/> Riverine Structures Form (Form 3)	Channel is modified, addition/revision of bridge/culverts, addition/revision of levee/floodwall, addition/revision of dam	
<input type="checkbox"/> Coastal Analysis Form (Form 4)	New or revised coastal elevations	
<input type="checkbox"/> Coastal Structures Form (Form 5)	Addition/revision of coastal structure	
<input type="checkbox"/> Alluvial Fan Flooding Form (Form 6)	Flood control measures on alluvial fans	
<div>Print Form</div>		

MT-2 Form 1 (continued)

- Fee exemption from Section 72.5
 - Map changes based on mapping or study analysis errors;
 - Map changes based on the effects of natural changes within the Special Flood Hazard Area (SFHA);
 - Federally sponsored flood-control projects where 50 percent or more of the project's costs are federally funded;
 - Map changes based on detailed hydrologic and hydraulic studies conducted by Federal, State, or local agencies to replace approximate studies conducted by FEMA and shown on the effective Flood Insurance Rate Map (FIRM)
 - Map changes based on flood hazard information meant to improve upon that shown on the flood map or within the flood study.

MT-2 Form 1 (continued)

- MT-2 Form 1 Section D
 - Signatures required from primary applicant, community official, and professional engineer
- All communities impacted by revision must acknowledge

D. SIGNATURE		
<small>All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.</small>		
Name:	Company:	
Mailing Address:	Daytime Telephone No.:	Fax No.:
	E-Mail Address:	
Signature of Requester (required):		Date:
<small>As the community official responsible for floodplain management, I hereby acknowledge that we have received and reviewed this Letter of Map Revision (LOMR) or conditional LOMR request. Based upon the community's review, we find the completed or proposed project meets or is designed to meet all of the community floodplain management requirements, including the requirement that no fill be placed in the regulatory floodway, and that all necessary Federal, State, and local permits have been, or in the case of a conditional LOMR, will be obtained. In addition, we have determined that the land and any existing or proposed structures to be removed from the SFHA are or will be reasonably safe from flooding as defined in 44CFR 65.2(c), and that we have available upon request by FEMA, all analyses and documentation used to make this determination.</small>		
Community Official's Name and Title:		Community Name:
Mailing Address:	Daytime Telephone No.:	Fax No.:
	E-Mail Address:	
Community Official's Signature (required):		Date:
CERTIFICATION BY REGISTERED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR		
<small>This certification is to be signed and sealed by a licensed land surveyor, registered professional engineer, or architect authorized by law to certify elevation information data, hydrologic and hydraulic analysis, and any other supporting information as per NFIP regulations paragraph 65.2(b) and as described in the MT-2 Forms Instructions. All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.</small>		
Certifier's Name:	License No.:	Expiration Date:
Company Name:	Telephone No.:	Fax No.:
Signature:		Date:
<small>Ensure the forms that are appropriate to your revision request are included in your submittal.</small>		
Form Name and Number	Required if...	<div style="border: 1px solid black; width: 100px; height: 100px; margin: 0 auto; text-align: center; line-height: 100px;">Seal (Optional)</div>
<input type="checkbox"/> Riverine Hydrology and Hydraulics Form (Form 2)	New or revised discharges or water-surface elevations	
<input type="checkbox"/> Riverine Structures Form (Form 3)	Channel is modified, addition/revision of bridge/culverts, addition/revision of levee/floodwall, addition/revision of dam	
<input type="checkbox"/> Coastal Analysis Form (Form 4)	New or revised coastal elevations	
<input type="checkbox"/> Coastal Structures Form (Form 5)	Addition/revision of coastal structure	
<input type="checkbox"/> Alluvial Fan Flooding Form (Form 6)	Flood control measures on alluvial fans	
Print Form		

MT-2 Form 2

- MT-2 Form 2 “Riverine Hydrology & Hydraulics”
 - Section A - Hydrology
 - Must state reason for new hydrology
 - Comparison of effective flows to revised flows
 - Methodology

U.S. DEPARTMENT OF HOMELAND SECURITY - FEDERAL EMERGENCY MANAGEMENT AGENCY RIVERINE HYDROLOGY & HYDRAULICS FORM		OMB No. 1660-0016 Expires: 12/31/2010									
PAPERWORK REDUCTION ACT <small>Public reporting burden for this form is estimated to average 3.25 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless a valid OMB control number appears in the upper right corner of this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, U.S. Department of Homeland Security, Federal Emergency Management Agency, 500 C Street, SW, Washington DC 20472, Paperwork Reduction Project (1660-0016). Submission of the form is required to obtain or retain benefits under the National Flood Insurance Program. Please do not send your completed survey to the above address.</small>											
Flooding Source: Note: Fill out one form for each flooding source studied											
A. HYDROLOGY											
1. Reason for New Hydrologic Analysis (check all that apply) <input type="checkbox"/> Not revised (skip to section B) <input type="checkbox"/> No existing analysis <input type="checkbox"/> Improved data <input type="checkbox"/> Alternative methodology <input type="checkbox"/> Proposed Conditions (CLOMR) <input type="checkbox"/> Changed physical condition of watershed											
2. Comparison of Representative 1%-Annual-Chance Discharges <table border="1"><thead><tr><th>Location</th><th>Drainage Area (Sq. Mi.)</th><th>Effective/FIS (cfs)</th><th>Revised (cfs)</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>				Location	Drainage Area (Sq. Mi.)	Effective/FIS (cfs)	Revised (cfs)				
Location	Drainage Area (Sq. Mi.)	Effective/FIS (cfs)	Revised (cfs)								
3. Methodology for New Hydrologic Analysis (check all that apply) <input type="checkbox"/> Statistical Analysis of Gage Records <input type="checkbox"/> Precipitation/Runoff Model <input type="checkbox"/> Regional Regression Equations <input type="checkbox"/> Other (please attach description) <small>Please enclose all relevant models in digital format, maps, computations (including computation of parameters) and documentation to support the new analysis.</small>											
4. Review/Approval of Analysis <small>If your community requires a regional, state, or federal agency to review the hydrologic analysis, please attach evidence of approval/review.</small>											
5. Impacts of Sediment Transport on Hydrology <small>Was sediment transport considered? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, then fill out Section F (Sediment Transport) of Form 3. If No, then attach your explanation for why sediment transport was not considered.</small>											

MT-2 Form 2 (continued)

- Section B - Hydraulics
 - Include revised reach
 - List effective and revised WSEL at upstream and downstream reach
 - Effective and revised WSEL must be within 0.5 feet at limits
 - List the model used and version, must use FEMA approved model

B. HYDRAULICS

Description	Cross Section	Water-Surface Elevations (ft.)	
		Effective	Proposed/Revised
Downstream Limit			
Upstream Limit			

2. Hydraulic Method/Model Used

DHS - FEMA Form 81-89A, DEC 07 Riverine Hydrology & Hydraulics Form MT-2 Form 2 Page 1 of 2

MT-2 Form 2 (continued)

- Include any pre-submittal review materials (i.e. Check-RAS)
- Indicate models submitted and applicable naming convention
- List vertical datum used

B. HYDRAULICS (CONTINUED)

3. Pre-Submittal Review of Hydraulic Models

DHS-FEMA has developed two review programs, CHECK-2 and CHECK-RAS, to aid in the review of HEC-2 and HEC-RAS hydraulic models, respectively. These review programs may help verify that the hydraulic estimates and assumptions in the model data are in accordance with NFIP requirements, and that the data are comparable with the assumptions and limitations of HEC-2/HEC-RAS. CHECK-2 and CHECK-RAS identify areas of potential error or concern. **These tools do not replace engineering judgment.** CHECK-2 and CHECK-RAS can be downloaded from http://www.fema.gov/plan/prevent/hm/fm_soft.shtml. We recommend that you review your HEC-2 and HEC-RAS models with CHECK-2 and CHECK-RAS. Review of your submittal and resolution of valid modeling discrepancies may result in reduced review time.

4. Models Submitted

	<u>Natural Run</u>		<u>Floodway Run</u>		<u>Datum</u>
Duplicate Effective Model*	File Name:	Plan Name:	File Name:	Plan Name:	_____
Corrected Effective Model*	File Name:	Plan Name:	File Name:	Plan Name:	_____
Existing or Pre-Project Conditions Model	File Name:	Plan Name:	File Name:	Plan Name:	_____
Revised or Post-Project Conditions Model	File Name:	Plan Name:	File Name:	Plan Name:	_____
Other - (attach description)	File Name:	Plan Name:	File Name:	Plan Name:	_____

* For details, refer to the corresponding section of the instructions.

☐ Digital Models Submitted? (Required)

MT-2 Form 2 (continued)

- Section C – Mapping Requirements
- Certified Topographic Workmap
- Digital Mapping files (GIS/CADD) data, not required but helpful
- Annotated FIRM Panel

C. MAPPING REQUIREMENTS

A **certified topographic map** must be submitted showing the following information (where applicable): the boundaries of the effective, existing, and proposed conditions 1%-annual-chance floodplain (for approximate Zone A revisions) or the boundaries of the 1%- and 0.2%-annual-chance floodplains and regulatory floodway (for detailed Zone AE, AO, and AH revisions); location and alignment of all cross sections with stationing control indicated; stream, road, and other alignments (e.g., dams, levees, etc.); current community easements and boundaries; boundaries of the requester's property; certification of a registered professional engineer registered in the subject State; location and description of reference marks; and the referenced vertical datum (NGVD, NAVD, etc.).

☐ Digital Mapping (GIS/CADD) Data Submitted

Note that the boundaries of the existing or proposed conditions floodplains and regulatory floodway to be shown on the revised FIRM and/or FBFM must tie-in with the effective floodplain and regulatory floodway boundaries. Please attach a **copy of the effective FIRM and/or FBFM**, annotated to show the boundaries of the revised 1%- and 0.2%-annual-chance floodplains and regulatory floodway that tie-in with the boundaries of the effective 1%- and 0.2%-annual-chance floodplain and regulatory floodway at the upstream and downstream limits of the area of revision.

☐ Annotated FIRM and/or FBFM (Required)

MT-2 Form 2 (continued)

- Certified Topographic Workmap
 - a. Boundary delineations of the [existing / revised / proposed] conditions base (1-percent-annual-chance) floodplain, 0.2-percent-annual-chance floodplain, and regulatory floodway;
 - b. Boundary delineations of the currently effective base floodplain, 0.2-percent-annual-chance floodplain, and regulatory floodway;
 - c. Logical tie-ins between the revised and effective flood hazard boundary delineations;

MT-2 Form 2 (continued)

- d. Topographic contour information used for the boundary delineations of the base floodplain and 0.2-percent-annual-chance floodplain;
- e. Locations and alignments of all cross sections used in the hydraulic model;
- f. The stream centerline used in the hydraulic model;
- g. Certification by a registered professional engineer; and
- h. Reference to a datum, such as the North American Vertical Datum of 1988.

MT-2 Form 2 (continued)

- Section D – Common Regulatory Requirements
- Not inclusive of all applicable requirements

D. COMMON REGULATORY REQUIREMENTS*

1. For LOMR/CLOMR requests, do Base Flood Elevations (BFEs) increase? ☐ Yes ☐ No

a. For CLOMR requests, if either of the following is true, please submit evidence of compliance with Section 65.12 of the NFIP regulations:

- The proposed project encroaches upon a regulatory floodway and would result in increases above 0.00 foot.
- The proposed project encroaches upon a SFHA with or without BFEs established and would result in increases above 1.00 foot.

b. For LOMR requests, does this request require property owner notification and acceptance of BFE increases? ☐ Yes ☐ No
If Yes, please attach **proof of property owner notification and acceptance (if available)**. Elements of and examples of property owner notification can be found in the MT-2 Form 2 Instructions.

2. Does the request involve the placement or proposed placement of fill? ☐ Yes ☐ No
If Yes, the community must be able to certify that the area to be removed from the special flood hazard area, to include any structures or proposed structures, meets all of the standards of the local floodplain ordinances, and is reasonably safe from flooding in accordance with the NFIP regulations set forth at 44 CFR 60.3(a)(3), 65.5(a)(4), and 65.6(a)(14). Please see the MT-2 instructions for more information.

3. For LOMR requests, is the regulatory floodway being revised? ☐ Yes ☐ No
If Yes, attach **evidence of regulatory floodway revision notification**. As per Paragraph 65.7(b)(1) of the NFIP Regulations, notification is required for requests involving revisions to the regulatory floodway. (Not required for revisions to approximate 1%-annual-chance floodplains [studied Zone A designation] unless a regulatory floodway is being added. Elements and examples of regulatory floodway revision notification can be found in the MT-2 Form 2 Instructions.)

4. For LOMR/CLOMR requests, does this request have the potential to impact an endangered species? ☐ Yes ☐ No
If Yes, please submit documentation to the community to show that you have complied with Sections 9 and 10 of the Endangered Species Act (ESA). Section 9 of the ESA prohibits anyone from "taking" or harming an endangered species. If an action might harm an endangered species, a permit is required from U.S. Fish and Wildlife Service or National Marine Fisheries Service under Section 10 of the ESA.

For actions authorized, funded, or being carried out by Federal or State agencies, please submit documentation from the agency showing its compliance with Section 7(a)(2) of the ESA.

* Not inclusive of all applicable regulatory requirements. For details, see 44 CFR parts 60 and 65.

DHS - FEMA Form 81-89A, DEC 07 Riverine Hydrology & Hydraulics Form MT-2 Form 2 Page 2 of 2

MT-2 Form 2 (continued)

1. For LOMR/CLOMR do BFEs increase?

- If BFE increase > 0.00 in floodway or 0.1 in floodplain for CLOMR requests, conditions of Part 65.12 must be met
- If BFE increases for LOMRs affect adjacent property owners, individual notices must be sent to all affected property owners
- Sample notices found in MT-2 instructions

MT-2 Form 2 (continued)

2. Does request involve placement of fill?
 - If yes, community must certify that any structures or proposed structures to be removed from Special Flood Hazard Area are reasonably safe from flooding.
 - MT-2 instructions provide guidance

MT-2 Form 2 (continued)

3. For LOMR requests, is floodway being revised?
 - If yes, provide evidence of regulatory floodway revision notification
 - MT-2 instructions provide guidance

MT-2 Form 2 (continued)

4. For LOMR/CLOMR requests, is there potential to impact endangered species?
 - CLOMR request must demonstrate compliance with Endangered Species Act (ESA, 1973).
 - FEMA issued PM 64 to help applicants work with Fish & Wildlife Services in demonstrating compliance

Additional Items

- Project Narrative
 - Describe project
 - Discuss what effective data was available and how it was obtained
 - Discuss modeling methodology
 - Discuss any modeling discrepancies or errors
- State Approval (IDNR-OWR concurrence)
 - For floodway revisions, include IDNR-OWR floodway permit and IDNR-OWR floodway revision concurrence

Additional Items

- Additional maps to support modeling
 - Drainage area maps
 - Hydrologic soils map

MT-2 Process Overview

- ISWS formally acknowledges case received
 - Informs requestor of case number
 - Provides requestor contact information
- ISWS performs initial technical review
 - Takes inventory of data submitted
 - Drafts Additional Data Request Letter (316-AD)

MT-2 Process Overview

- Goals of initial technical review
 - Understand project or proposed project
 - Gather all effective data impacted by request
 - Determine which communities are impacted by request and if they acknowledged request
 - Determine impacts to FIRM/FIS; BFE increases? Floodway Revision?
 - Determine if all regulatory requirements have been satisfied

MT-2 Process Overview

- ISWS formally requests additional data
 - 316-AD letter now comes via e-mail
 - Includes summary of data items required to continue processing the request
 - Applicant has 90 days to fully respond to AD letter; after 90 days case suspended
- ISWS receives additional data
 - Acknowledgement e-mail sent to requestor
 - ISWS reviews the additional data

MT-2 Process Overview



- ISWS issues All Data Received Letter
 - Indicates ISWS has all data necessary to process request
 - Final LOMR/CLOMR will be issued within 90 days
- ISWS performs detailed technical review
 - Review of methodology
 - Comparison of models
 - Comparison of modeled widths to mapped widths should be within 5% of mapping scale

MT-2 Process Overview

- Goals of detailed technical review:
 - Approve the hydrologic and hydraulic analyses for final processing of revision
 - Summarize the final changes/ proposed changes to effective FIRM/FIS
 - Ensure that all final changes have fulfilled the necessary regulatory requirements

MT-2 Process Overview

- ISWS drafts determination documents
- ISWS drafts revised FIRM panels, flood profile, FIS tables, etc.
 - LOMR/CLOMR documents are reviewed internally

Page 1 of 4	Issue Date: December 14, 2009	Effective Date: January 13, 2010	Case No.: 09-05-2148P	LOMR-APP
Follows Conditional Case No.: 93-05-341R				
 <div style="display: inline-block; vertical-align: middle; margin-left: 20px;"> Federal Emergency Management Agency Washington, D.C. 20472 </div>				
LETTER OF MAP REVISION DETERMINATION DOCUMENT				
COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST	
COMMUNITY	Village of Hoffman Estates Cook County Illinois	DETENTION BASIN	FLOODWAY HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA	
	COMMUNITY NO.: 170107			
IDENTIFIER	Poplar Creek East Branch - Stonegate Restaurant Mall	APPROXIMATE LATITUDE & LONGITUDE: 42.057, -88.143 SOURCE: USGS QUADRANGLE DATUM: NAD 27		
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES		
TYPE: FIRM* NO.: 17031C0167 J DATE: August 19, 2008		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: August 19, 2008 FLOODWAY DATA TABLE: 19		
Enclosures reflect changes to flooding sources affected by this revision. * FIRM - Flood Insurance Rate Map; ** FBFM - Flood Boundary and Floodway Map; *** FFBM - Flood Hazard Boundary Map				
FLOODING SOURCE(S) & REVISED REACH(ES)				
Poplar Creek East Branch - from approximately 150 feet downstream of Old Higgins Road to just upstream of Higgins Road				
SUMMARY OF REVISIONS				
Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Poplar Creek East Branch	Zone AE	Zone AE	YES	YES
	Floodway	Floodway	NONE	YES
	Zone X (shaded)	Zone X (shaded)	YES	NONE
* BFEs - Base Flood Elevations				
DETERMINATION				
<p>This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.</p>				
<p>This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-338-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 6730 Santa Barbara Court, Elkridge, MD 21075. Additional information about the NFIP is available on our website at http://www.fema.gov/nfip.</p>				
 David N. Bascom, CFM, Program Specialist Engineering Management Branch Mitigation Directorate				
			112553 10.3.1.09052148 102-I-C	

MT-2 Process Overview

- Draft LOMR/CLOMR send to STARR/FEMA for approval
 - ISWS responds to comments prior to approval
- LOMR/CLOMR issued
 - Generally cases become effective either 30, 90, or 120 days after the issue date of LOMR
 - Some cases become effective on the issue date if property owners accept changes
 - PMRs are not assigned an effective date until the mapping project has been completed

ILLINOIS STATE WATER SURVEY
INSTITUTE OF NATURAL RESOURCE SUSTAINABILITY

Questions?



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