



FEMA

09-01-10 A11:45 IN

August 30, 2010

Mr. Steve Ferryman
Ohio Emergency Management Agency
2855 W. Dublin-Granville Road
Columbus, Ohio 43235-2206

Dear Mr. Ferryman:

Thank you for submitting the Updated Coshocton County Hazard Mitigation Plan for our review. The plan was reviewed based on the local plan criteria contained in 44 CFR Part 201, as authorized by the Disaster Mitigation Act of 2000. Coshocton County met the required criteria for a multi-jurisdictional hazard mitigation plan. Formal approval of this plan is contingent upon the adoption by the participating jurisdictions of this plan. Once FEMA Region V receives documentation of adoption from the county (and other jurisdictions, as appropriate), we will send a letter of official approval to your office.

We look forward to receiving the adoption documentation and completing the approval process for Coshocton County.

If you or the community has any questions, please contact me at (312) 408-5227.

Sincerely,

Lee Zachos
Community Planner
Risk Analysis Branch
Mitigation Division

Attachment: Local Plan Review Sheets

LOCAL MITIGATION PLAN REVIEW CROSSWALK Coshoccon County, Ohio

Local Mitigation Plan Review and Approval Status

Jurisdiction: Coshoccon County, Ohio		Title of Plan: Multi-Hazard Mitigation Plan Update		Date of Plan: March 30, 2010
Local Point of Contact: Jordan Seib		Address: 724 S. Seventh St. – Lower Level Coshoccon OH 43812		
Title:				
Deputy Director				
Agency: Emergency Management Agency				
Phone Number:		E-Mail: Jordanseib@coshocconcounty.net		
Office: 740.295.7328 Cell: 740.610.1806				

State Reviewer: Dean W. Ervin	Title: State Mitigation Planner	Date:
---	---	--------------

FEMA Reviewer: Lee Zachos	Title: Community Planner	Date: 8-17-10
Date Received in FEMA Region [Insert #]		
Plan Not Approved X, Pending Plan Adoption		
Plan Approved		
Date Approved		

Jurisdiction:	DFIRM		NFIP Status*			
	In Plan	NOT in Plan	Y	N	N/A	CRS Class
1. Coshoccon County			X			
2. Coshoccon City			X			
3. Warsaw Village			X			
4. West Lafayette Village			X			
5. Village of Conesville				X		
6. Village of Nellie				X		

LOCAL MITIGATION PLAN REVIEW CROSSWALK Coshocton County, Ohio

LOCAL MITIGATION PLAN REVIEW SUMMARY

The plan cannot be approved if the plan has not been formally adopted. Each requirement includes separate elements. All elements of the requirement must be rated "Satisfactory" in order for the requirement to be fulfilled and receive a score of "Satisfactory." Elements of each requirement are listed on the following pages of the Plan Review Crosswalk. A "Needs Improvement" score on elements shaded in gray (recommended but not required) will not preclude the plan from passing. Reviewer's comments must be provided for requirements receiving a "Needs Improvement" score.

Prerequisite(s) (Check Applicable Box)		NOT MET	MET
1. Adoption by the Local Governing Body: \$201.6(c)(5) OR		N/A	
2. Multi-Jurisdictional Plan Adoption: \$201.6(c)(5) AND		X	
3. Multi-Jurisdictional Planning Participation: \$201.6(a)(3)		X	
Planning Process		N	S
4. Documentation of the Planning Process: \$201.6(b) and \$201.6(c)(1)			X
Risk Assessment		N	S
5. Identifying Hazards: \$201.6(c)(2)(i)			X
6. Profiling Hazards: \$201.6(c)(2)(i)			X
7. Assessing Vulnerability: Overview: \$201.6(c)(2)(ii)			X
8. Assessing Vulnerability: Addressing Repetitive Loss Properties: \$201.6(c)(2)(ii)			X
9. Assessing Vulnerability: Identifying Structures, Infrastructure, and Critical Facilities: \$201.6(c)(2)(ii)(B)			X
10. Assessing Vulnerability: Estimating Potential Losses: \$201.6(c)(2)(ii)(B)			X
11. Assessing Vulnerability: Analyzing Development Trends: \$201.6(c)(2)(ii)(C)			X
12. Multi-Jurisdictional Risk Assessment: \$201.6(c)(2)(iii)			X

*States that have additional requirements can add them in the appropriate sections of the *Local Multi-Hazard Mitigation Planning Guidance* or create a new section and modify this Plan Review Crosswalk to record the score for those requirements.

SCORING SYSTEM

JULY 1, 2008 (W/D FIRM)

Please check one of the following for each requirement.

N – Needs Improvement: The plan does not meet the minimum for the requirement. Reviewer's comments must be provided.

S – Satisfactory: The plan meets the minimum for the requirement. Reviewer's comments are encouraged, but not required.

Mitigation Strategy	N	S
13. Local Hazard Mitigation Goals: \$201.6(c)(3)(i)		X
14. Identification and Analysis of Mitigation Actions: \$201.6(c)(3)(ii)		X
15. Identification and Analysis of Mitigation Actions: NFIP Compliance: \$201.6(c)(3)(ii)		X
16. Implementation of Mitigation Actions: \$201.6(c)(3)(iii)		X
17. Multi-Jurisdictional Mitigation Actions: \$201.6(c)(3)(iv)		X
Plan Maintenance Process	N	S
18. Monitoring, Evaluating, and Updating the Plan: \$201.6(c)(4)(ii)		X
19. Incorporation into Existing Planning Mechanisms: \$201.6(c)(4)(ii)		X
20. Continued Public Involvement: \$201.6(c)(4)(iii)		X
Additional State Requirements*	N	S
Insert State Requirement		
Insert State Requirement		
Insert State Requirement		

LOCAL MITIGATION PLAN APPROVAL STATUS

PLAN NOT APPROVED/ Pending Plan Adoption	X
See Reviewer's Comments	
PLAN APPROVED	

LOCAL MITIGATION PLAN REVIEW CROSSWALK Coshoccon County, Ohio

B. Does the updated plan identify all participating jurisdictions, including new, continuing, and the jurisdictions that no longer participate in the plan?	Appendix E and pg 11, Table 3	Appendix E identifies all of the municipalities that participated in the development of the plan and that have acknowledged the updating of the plan.	X

SUMMARY SCORE

X

PLANNING PROCESS: *\$201.6(b): An open public involvement process is essential to the development of an effective plan.*

4. Documentation of the Planning Process

Requirement \$201.6(b): *In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process shall include:*

- (1) *An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval;*
- (2) *An opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as businesses, academia and other private and non-profit interests to be involved in the planning process; and*
- (3) *Review and incorporation, if appropriate, of existing plans, studies, reports, and technical information.*

Requirement \$201.6(c)(1): *[The plan shall document] the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how the public was involved.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			N	S
A. Does the plan provide a narrative description of the process followed to prepare the new or updated plan?	Pg 10	The county Hazard Mitigation Planning Committee (HMCC) met several times starting in November 2009, with one meeting open just to the public. It is unclear as to whether the other meetings were open to the public. The committee is fully involved in the planning process and their input has been vital to the success of developing a countywide mitigation plan. <u>Recommendation: Plan should note which HMCC meetings were open to the public. According to the local plan criteria contained in 44 CFR Part 201, pgs 376-377: the public meetings should be timed so that they occur during the drafting stage and prior to plan approval. Two public meetings total.</u>		X
B. Does the new or updated plan indicate who was involved in the current planning process? (For example, who led the development at the staff level and were there any external contributors such as contractors? Who participated on the plan committee, provided information, reviewed drafts, etc.?)	Pgs 9-10, Table 2	The County formed a Hazard Mitigation Planning Committee. Table 2 lists the members who represent various local public agencies. A representative from the County Office of Emergency Management serves as the Chairman of the Committee.		X

LOCAL MITIGATION PLAN REVIEW CROSSWALK Coshocton County, Ohio

F. Does the updated plan document how the planning team reviewed and analyzed each section of the plan and whether each section was revised as part of the update process?	Pg 11	The plan indicates that each jurisdiction participated in the updated planning process by having the opportunity to review and comment on the completed plan. <u>Recommendation:</u> Future plan should give a general overview of which chapters of the plan were updated and how. It should also explain in greater detail how each chapter was updated through activities from the HMCC.	X
SUMMARY SCORE			X

RISK ASSESSMENT: §201.6(c)(2): *The plan shall include a risk assessment that provides the factual basis for activities proposed in the strategy to reduce losses from identified hazards. Local risk assessments must provide sufficient information to enable the jurisdiction to identify and prioritize appropriate mitigation actions to reduce losses from identified hazards.*

5. Identifying Hazards Requirement §201.6(c)(2)(i): [The risk assessment shall include a] description of the type ... of all natural hazards that can affect the jurisdiction.

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
A. Does the new or updated plan include a description of the types of all natural hazards that affect the jurisdiction?	Pgs 15-41	Hazards include floods, tornadoes, wind storms, severe weather/winter storms, earthquakes, and droughts.	N	S
SUMMARY SCORE				

6. Profiling Hazards Requirement §201.6(c)(2)(i): [The risk assessment shall include a] description of the ... location and extent of all natural hazards that can affect the jurisdiction. The plan shall include information on previous occurrences of hazard events and on the probability of future hazard events.

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
A. Does the risk assessment identify the location (i.e., geographic area affected) of each natural hazard addressed in the new or updated plan?	Pg 7 Table 1	Table 1 identifies the jurisdictions at greatest risk for hazards such flooding, tornadoes, wind storms, winter storms and other severe weather.	N	S
				X

LOCAL MITIGATION PLAN REVIEW CROSSWALK Coshoccon County, Ohio

7. Assessing Vulnerability: Overview

Requirement §201.6(c)(2)(ii): [The risk assessment *shall* include a] description of the jurisdiction's vulnerability to the hazards described in paragraph (c)(2)(i) of this section. This description *shall* include an overall summary of each hazard and its impact on the community.

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			N	S
A. Does the new or updated plan include an overall summary description of the jurisdiction's vulnerability to each hazard?	Pgs 21, 26, 30, 33, 36, and 39	Plan includes a summary of hazard vulnerability assessment, which generally describes the county's vulnerability to each hazard. The flood plain map on pg 42 more specifically identifies which jurisdictions are most susceptible to flooding. <u>Recommendation:</u> To the extent possible, future plans should include summaries of each participating jurisdiction's vulnerability to hazards that are likely to occur at the city level (floods, tornados, and dam failures).		X
B. Does the new or updated plan address the impact of each hazard on the jurisdiction?	Pgs 18, 23-24, 27, 32, 35, 38	Plan includes a Severity section which addresses the impact of each hazard. For many of the hazards, the plan indicates that "all townships and villages in the county are essentially at equal risk." <u>Recommendation:</u> For those hazards that have varying impacts across jurisdictions, such as flooding, more detailed descriptions of the impacts from each hazard on individual jurisdictions should be included.		X
SUMMARY SCORE				X

8. Assessing Vulnerability: Addressing Repetitive Loss Properties

Requirement §201.6(c)(2)(ii): [The risk assessment] *must* also address National Flood Insurance Program (NFIP) insured structures that have been repetitively damaged floods.

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			N	S
A. Does the new or updated plan describe vulnerability in terms of the types and numbers of repetitive loss properties located in the identified hazard areas?	Pg 20	There are two repetitive loss properties and four claims totalling \$30,928 in Coshoccon County.		X
SUMMARY SCORE				X

9. Assessing Vulnerability: Identifying Structures

Requirement §201.6(c)(2)(ii)(A): The plan *should* describe vulnerability in terms of the types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard area ...

Location in the	SCORE
-----------------	-------

LOCAL MITIGATION PLAN REVIEW CROSSWALK Coshocton County, Ohio

10. Assessing Vulnerability: Estimating Potential Losses

Requirement §201.6(c)(2)(ii)(B): [The plan **should** describe vulnerability in terms of an] estimate of the potential dollar losses to vulnerable structures identified in paragraph (c)(2)(ii)(A) of this section and a description of the methodology used to prepare the estimate

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			N	S
A. Does the new or updated plan estimate potential dollar losses to vulnerable structures?	Pgs 20, 24-25, 28-29, 33, 36, and 38	Minimal information. (Plan does include a HAZUS run for flooding).	X	
B. Does the new or updated plan describe the methodology used to prepare the estimate?	Pgs 20, 24-25, 28-29, 33, 36, and 38	The methodology for estimating numbers for all hazards and values of vulnerable structures due to flooding is described.		X
SUMMARY SCORE				X

11. Assessing Vulnerability: Analyzing Development Trends

Requirement §201.6(c)(2)(ii)(C): [The plan **should** describe vulnerability in terms of] providing a general description of land uses and development trends within the community so that mitigation options can be considered in future land use decisions.

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			N	S
A. Does the new or updated plan describe land uses and development trends?	Pg 21	Minimal information.	X	
SUMMARY SCORE			X	

12. Multi-Jurisdictional Risk Assessment

Requirement §201.6(c)(2)(iii): For multi-jurisdictional plans, the risk assessment **must** assess each jurisdiction's risks where they vary from the risks facing the entire planning area.

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			N	S
A. Does the new or updated plan include a risk assessment for each participating jurisdiction as needed to reflect unique or varied risks?	Pgs 7 and 13-45.	Plan includes a risk assessment for each hazard and Table 1 summarizes which jurisdictions are at greatest risk for the various hazards.		X
SUMMARY SCORE				X

LOCAL MITIGATION PLAN REVIEW CROSSWALK Coshocton County, Ohio

15. Identification and Analysis of Mitigation Actions: National Flood Insurance Program (NFIP) Compliance

Requirement: §201.6(c)(3)(ii): [The mitigation strategy] must also address the jurisdiction's participation in the National Flood Insurance Program (NFIP), and continued compliance with NFIP requirements, as appropriate.

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			N	S
A. Does the new or updated plan describe the jurisdiction (s) participation in the NFIP?		According to the FEMA Community Status Book, the Villages of Conesville, Nellie and Plainfield do not participate in the NFIP. Recommendation: Plan should include a section that identifies each jurisdiction's participation in the NFIP. For those jurisdictions that chose not to participate, a justification of some sort should be included.		X
B. Does the mitigation strategy identify, analyze and prioritize actions related to continued compliance with the NFIP?	Pgs 58-60. Table 19	Plan does include strategies related to continued compliance with the NFIP, including taking actions such as creating buy-outs and retrofitting existing structures and utilities.		X
SUMMARY SCORE				
				X

16. Implementation of Mitigation Actions

Requirement: §201.6(c)(3)(iii): [The mitigation strategy section shall include] an action plan describing how the actions identified in section (c)(3)(ii) will be prioritized, implemented, and administered by the local jurisdiction. Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs.

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			N	S
A. Does the new or updated mitigation strategy include how the actions are prioritized? (For example, is there a discussion of the process and criteria used?)	Pgs 58-60. Table 19	The plan uses the STAPLE+E criteria for evaluating potential mitigation strategies		X
B. Does the new or updated mitigation strategy address how the actions will be implemented and administered, including the responsible department, existing and potential resources and the timeframe to complete each action?	pgs 61-65. Table 20	Table 20 identifies the organization responsible for implementing each mitigation action. In most cases, it is the Coshocton County EMA.		X
C. Does the new or updated prioritization process include an emphasis on the use of a cost-benefit review to maximize benefits?	Pg 58	The plan confirms that a cost-benefit review was used during the prioritization process of mitigation actions.		X
D. Does the updated plan identify the completed, deleted or deferred mitigation actions as a benchmark for	Pg 65. Table 21	Table 21 identifies past mitigation actions and their current status- deleted or continued.	N/A	N/A

LOCAL MITIGATION PLAN REVIEW CROSSWALK Coshoccon County, Ohio

17. Multi-Jurisdictional Mitigation Actions

Requirement \$201.6(c)(3)(iv): For multi-jurisdictional plans, there **must** be identifiable action items specific to the jurisdiction requesting FEMA approval or credit of the plan.

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			N	S
A. Does the new or updated plan include identifiable action items for each jurisdiction requesting FEMA approval of the plan?	Pgs 61-65, Table 20	Table 20 identifies mitigation items for each jurisdiction.		X
B. Does the updated plan identify the completed, deleted or deferred mitigation actions as a benchmark for progress, and if activities are unchanged (<i>i.e.</i> , deferred), does the updated plan describe why no changes occurred?	Pgs 61-66, Tables 20 and 21	Table 20 identifies timeline for completing the new mitigation items and potential funding sources. Table 21 indicates those past actions that have been deleted or are continuing.	N/A	N/A
SUMMARY SCORE				X

PLAN MAINTENANCE PROCESS

18. Monitoring, Evaluating, and Updating the Plan

Requirement \$201.6(c)(4)(i): [The plan maintenance process **shall** include a] section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle.

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			N	S
A. Does the new or updated plan describe the method and schedule for monitoring the plan, including the responsible department?	Pg 66	The County EMA will be in charge and responsible for the plan maintenance processes of monitoring, evaluation and updating. The proposed Hazard Mitigation Committee will meet yearly to address all its responsibilities. Recommendation: The annual review should be timed so that the County can consider potential projects that may be eligible for FEMA's annual HMA grant.		X
B. Does the new or updated plan describe the method and schedule for evaluating the plan, including how, when and by whom (<i>i.e.</i> , the responsible department)?	Pg 66	The EMA director will coordinate the review meetings either annually or when conditions such as a completed mitigation or new flood plain ordinances have been developed.		X
C. Does the new or updated plan describe the method and schedule for updating the plan within the five-year cycle?	Pg 67	The Plan will be submitted to FEMA every five years. The updated Plan is to include any new developments in the community or special circumstances. Issues that		X

LOCAL MITIGATION PLAN REVIEW CROSSWALK Coshocton County, Ohio

19. Incorporation into Existing Planning Mechanisms

Requirement §201.6(c)(4)(iii): *[The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			N	S
A. Does the new or updated plan identify other local planning mechanisms available for incorporating the mitigation requirements of the mitigation plan?	Pg 48. Table 17	Table 17 identifies other local planning mechanisms, such as the county's comprehensive plan and zoning and land use ordinances, available for incorporating the mitigation requirements.		x
B. Does the new or updated plan include a process by which the local government will incorporate the mitigation strategy and other information contained in the plan (e.g., risk assessment) into other planning mechanisms, when appropriate?	Pg 49	The plan identifies local organizations that could act as partners for future mitigation actions, such as bank and real estate businesses, business development organizations and historical and cultural agencies.		x
C. Does the updated plan explain how the local government incorporated the mitigation strategy and other information contained in the plan (e.g., risk assessment) into other planning mechanisms, when appropriate?	Pgs 47-50. Table 17	Plan provides a thorough description of local government capabilities that will facilitate implementation of the county's mitigation strategies.	N/A	N/A
SUMMARY SCORE				x

Continued Public Involvement

Requirement §201.6(c)(4)(iii): *[The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan maintenance process.*

Element	Location in the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			N	S
A. Does the new or updated plan explain how continued public participation will be obtained? (For example, will there be public notices, an on-going mitigation plan committee, or annual review meetings with stakeholders?)	Pg 67	The planning committee will engage the public through annual public education projects, public workshops and hearings. The public will also have access to information via newsletters, mailings and the different agencies implementing the plan. The Committee will incorporate the public comments in the next update of the plan.		x
SUMMARY SCORE				x