

Executive Order 11988 Floodplain Management Checklist (44 CFR Part 9)

Project Information

Date:

Reviewer:

Disaster/Program:

Project Number:

Project Title:

Latitude:

Longitude:

Description of Proposed Action:

Applicability

Actions which have the potential to affect floodplains or their occupants, or which are subject to potential harm by location in floodplains.

Will the proposed action potentially adversely affect the floodplain or support floodplain development?

Yes

No

Will the proposed action potentially be adversely affected by the floodplain?

Yes

No

Critical Action

Determine whether the proposed action is an action for which even a slight chance of flooding is too great. Critical actions must be reviewed against the 500-year floodplain.

Is the action a critical action?

Yes, review against the 500-year floodplain

No, review against the 100-year floodplain.

Not Applicable, the action is located in wetlands only

Step 1: Determine Proposed Action Location

Determine whether the proposed action is located in the 100-year floodplain (500-year floodplain for critical actions); and whether it has the potential to affect or be affected by a floodplain or wetland (44 CFR Section 9.7).

Floodplain Determination

Flood Hazard Data (Check the box that applies)

Is the project located in a 100 year floodplain as mapped by a FEMA FIRM?

Yes No

FIRM Panel Number:

Date:

Is the project located in a 500 year floodplain as mapped by a FEMA FIRM?

Yes No

FIRM Panel Number:

Date:

Is the project located in a floodplain as mapped by a FEMA draft/preliminary study?

Yes No

Study Name:

Date:

Is the project located in a floodplain as mapped by another agency (State, USACE, USGS, NRCS, local community, etc)?

Yes No

Study Name:

Date:

Is the project outside the floodplain but has potential to affect the floodplain, including support of floodplain development?

Yes No

Flood Hazard Data Not Available

Is the proposed action subject to flooding based on an evaluation from soil surveys, aerial photos, site visits, and other available data?

Yes No

Evaluation material:

Does FEMA assume the Proposed Action is subject to flooding based on previous flooding of the facility/structure?

Yes No

Floodway/Coastal High Hazard Area

Is the project located in a floodway or coastal high hazard area (full 8 step process is required)?

Yes No

Source, other than FIRM:

Wetland Determination

Is the project in a wetland as mapped by the National Wetlands Inventory?

Yes No

Wetland Classification:

Date:

Is the project in a wetland as mapped by another agency (USACE, state, local community)?

Yes No

Name of study:

Date:

Scope

Select the appropriate block for the steps required.

Steps 1, 4, 5, and 8 (44 CFR Part 9.5(g))

Steps 1, 2, 4, 5, and 8. (44 CFR Part 9.5(d))

All 8 steps

Step 2: Early Public Notice

Notify the public at the earliest possible time of the intent to carry out an action in a floodplain and involve the affected and interested public in the decision-making process (44 CFR Section 9.8).

Was notice provided as part of a disaster cumulative notice?

Yes No Not Applicable

Was a project specific notice provided?

Yes No Not Applicable

If yes, select the type of notice:

Newspaper, name:

Post Site, location:

Broadcast, station:

Direct Mailing, area:

Public Meeting, dates:

Other:

Date of Public Notice:

Step 3: Analysis of Practicable Alternatives

Identify and evaluate practicable alternatives to locating the proposed action in a floodplain (including alternate sites, actions, and the “no action” option). If a practicable alternative exists outside the floodplain, FEMA must locate the proposed action at the alternative site (44 CFR Section 9.9).

Alternative Options

Is there a practicable alternative site location outside the 100-year floodplain (or 500-year floodplain for critical actions?)

Yes No Not Applicable

If yes, describe the alternative site:

Is there an alternative action which has less potential to affect or be affected by the floodplain?

Yes No Not Applicable

If yes, describe the alternative action:

Is the “no action” alternative the most practicable alternative?

Yes No Not Applicable

If any answer is yes, that FEMA shall take that action and the review is concluded.

Floodway

Is the action new construction (i.e. construction of new structure, demolition/ rebuilding, reconstruction, replacement) or substantial improvement (for structures damaged in equal or excess of 50% of its market value or the total replacement cost of the structure)?

Yes No Not Applicable

If Yes, is the action a functional dependent use (cannot perform its intended purpose unless it is located or carried out in close proximity to water) or a facility or structure that facilitates open space use?

Yes No Not Applicable

If yes, explain:

If no, FEMA cannot fund this action

Is the action an alteration of a structure or facility listed on the National Register of Historic Places or a State Inventory of Historic Places?

Yes No Not Applicable

If yes, then this is not substantial improvement and the action may proceed as long as it does not cause any increase of flood levels within the community during the occurrence of the base flood discharge.

Coastal High Hazard Zone

Is the action new construction (i.e. construction of new facility or structure, demolition/ rebuilding of facilities or structures, reconstruction of facilities or structures, replacement of facilities or structures)?

Yes No Not Applicable

If Yes, is the action a functional dependent use (cannot perform its intended purpose unless it is located or carried out in close proximity to water) or a facility or structure that facilitates open space use?

Yes No Not Applicable

If yes, explain:

If no, FEMA cannot fund this action.

Step 4: Identify Impacts

Identify the potential direct and indirect impacts associated with the occupancy or modification of the floodplains and the potential direct and indirect support of floodplain development that could result from the proposed action (44 CFR Section 9.10).

Is the proposed action based on incomplete information?

Yes No Not Applicable

Is the proposed action in compliance with the NFIP?

Yes No Not Applicable

Does the proposed action increase the risk of flood loss?

Yes No Not Applicable

Will the proposed action result in an increased base discharge or increase the flood hazard potential to other properties or structures?

Yes No Not Applicable

Does the proposed action minimize the impact of floods on human health, safety, or welfare?

Yes No Not Applicable

Will the proposed action induce future growth and development, which will potentially adversely affect the floodplain?

Yes No Not Applicable

Does the proposed action involve dredging and/or filling of a floodplain?

Yes No Not Applicable

Will the proposed action result in the discharge of pollutants into the floodplain?

Yes No Not Applicable

Does the proposed action avoid the long and short term impacts associate with the occupancy and modification of floodplains?

Yes No Not Applicable

Note: If wetlands are near or potentially affected, refer review to an Environmental Specialist.

Will the proposed action forego an opportunity to restore the natural and beneficial values served by floodplains?

Yes No Not Applicable

Does the proposed action restore and/or preserve the natural and beneficial values served by floodplains?

Yes No Not Applicable

Will the proposed action result in an increase to the useful life of a structure or facility?

Yes No Not Applicable

Will the action encroach on the Floodway in manner that causes any increase of flood levels within the community during the occurrence of the base flood discharge?

Yes No Not Applicable

Step 4 Remarks:

Step 5: Minimize Impacts

Minimize the potential adverse impacts and support to or within floodplains as identified under Step 4; restore and preserve the natural and beneficial values served by floodplains (44 CFR Section 9.11).

Minimization Measures

Were flood hazard reduction techniques (see NFIP technical bulletins) applied to the proposed action to minimize flood impacts? Note: New construction or substantial improvement of a structure (i.e. walled or roofed building) requires elevation or flood proofing (non-residential), except for listed Historic Structures.

Yes No Not Applicable

Identify any flood hazard reduction techniques required as a condition of the grant:

Were avoidance and minimization measures applied to the proposed action to minimize the short-term and long-term impacts on the floodplain?

Yes No Not Applicable

Identify minimization measures required as a condition of the grant:

Were measures implemented to restore and preserve the natural and beneficial values of the floodplain?

Yes No Not Applicable

Identify any restoration or preservation measures required as a condition of the grant:

Floodway/Coastal High Hazard Areas

Is there a practicable alternative site location or action outside of the Floodway or coastal high hazard area (CHHA) (but within the floodplain)?

Yes No Not Applicable

Site Location:

Is there a practicable alternative action outside of the Floodway or CHHA that will not affect the Floodway or CHHA?

Yes No Not Applicable

Alternative Action:

Are functionally dependent new construction in the CHHA elevated on adequately anchored pilings or columns such that lowest portion of the structural members of the lowest floor are above base flood elevation? (**Note: The use of fill for elevation is prohibited in the CHHA.**)

Yes No Not Applicable

Step 5 Remarks:

Step 6: Reevaluate Practicable Alternatives

Reevaluate the proposed action to first determine if it is still practicable in light of its exposure to flood hazards, the extent to which it will aggravate the hazards to others, and its potential to disrupt floodplain values. Second, evaluate if alternatives preliminarily rejected at Step 3 are practicable in light of the information gained in Steps 4 and 5. FEMA shall not act in a floodplain unless it is the only practicable location (44 CFR Section 9.9)

Is the action still practicable at a floodplain site in light of the exposure to flood risk and ensuing disruption of natural values?

Yes No Not Applicable

Is the floodplain site the only practicable alternative?

Yes No Not Applicable

Is there any potential to limit the scope or size of the action to increase the practicability of previously-rejected non-floodplain sites or alternative actions?

Yes No Not Applicable

Can minimization of harm to or within the floodplain be achieved using all practicable means?

Yes No Not Applicable

Does the need for action in a floodplain clearly outweigh the requirements of Executive Order 11988?

Yes No Not Applicable

Step 6 Remarks:

Step 7: Final Public Notice

Prepare and provide the public with a finding and public explanation of any final decision that the floodplain is the only practicable alternative (44 CFR Section 9.12).

Was notice provided as part of a disaster cumulative notice?

Yes No Not Applicable

Was a project specific notice provided?

Yes No Not Applicable

If yes, select the type of notice:

Newspaper, name:

Post Site, location:

Broadcast, station

Direct Mailing, area:

Public Meeting, dates:

Other:

Date of Public Notice:

After providing the final notice, FEMA shall, without good cause shown, wait at least 15 days before carrying out the proposed action.

Step 8: Implementation

Review the implementation and post-implementation phases of the proposed action to ensure that the requirements stated in 44 CFR Section 9.11 are fully implemented. Oversight responsibility shall be integrated into existing processes.

Was grant conditioned on review of implementation and post-implementation phases to ensure compliance of Executive Order 11988?

Yes

No

Not Applicable

The following conditions are not reflected in the Scope of Work and are required:

Disaster/Program: DR-4358

Project Number: PA-04-KY-4358-PW-00199

Project Title: Kentucky DOT- District 12 - Pike County wide roads (1384,1441,2059,2062)

ATTACHMENT

Site Identification	Project Locations	Floodplain Locations	Wetland Locations
District 12- Pike County KY 1384	Location Start GPS (37.52820, -82.61770) End GPS (37.47870, -82.54420). Sites: Site1 (37.5230, -82.6131), Site 2) (37.5215, -82.6120) and Site 3) (37.5206, -82.6107).	Sites 1, 2, and 3 Located in Map Panel Number:21195C0113H. Effective FIRM Date: 04/16/2013 Flood Zone: AE/ X Un-shaded.	N/A
District 12- Pike County KY 1441	Location Start GPS (37.46268, -82.42214) End GPS (37.46302, -82.42264). Site 1) (37.46280, -82.42240)	Site 1 Located in Map Panel Number:21195C0310J. Effective FIRM Date: 09/16/2015.Flood Zone: X unshaded	N/A
District 12- Pike County KY 2059	Location Start GPS (37.51480, -82.04820) End GPS (37.51640, -82.05000). Site 1) (37.5148, -82.0482). Site 2) (37.5164, -82.0500).	Sites 1, and 2 Map Located Panel Number:21195C0220J. Effective FIRM Date: 09/16/2015. Flood Zone: A.	Portions of project Site District 12 - Pike County KY 2059 GPS (37.51480, -82.04820) End GPS (37.51640, -82.05000) located in located in wetlands 50.58-acre Riverine habitat classified as R3UBH
District 12- Pike County KY 2062	Location Start GPS (37.50550, -82.13420) End GPS (37.51610, -82.09370). Site 1) (37.5050, -82.1212). Site 2) (37.5040, -82.1198) This site includes repairs to Culvert,1 each of corrugated metal, 40 FT long x 18 IN in diameter. Site 3) (37.5130, -82.1122).	Sites 1,2, and 3 Located in Map Panel Number: 21195C0215H.Effective FIRM Date: 4/16/2013. Flood Zone: X - unshaded.	N/A

Step 6 Remarks:**Step 6: Reevaluate Practicable Alternatives**

The following alternatives were considered: (1) Relocation of the facilities outside the floodplain– There are no practicable alternatives to locating the proposed actions outside the floodplain. The damages to the facilities are limited in scope. The cost of relocation would likely outweigh the cost to repair the damages at the current locations. (2) No action alternative - This alternative is not feasible as the repairs are necessary to ensure that the roads remain safe and operational, they must be in the current location to perform its designed function. Roads provide the ingress/egress routes to the community, the provide mail routes, school bus routes, and emergency vehicle access and evacuation routes, With the no action alternative, continued negative impacts to the facilities may be experienced.