Regional Categorical Permission Alteration Description – 8. Docks

The proposed Regional Categorical Permission covers the debris boom, floating dock structure, gangways, landing structures, and small amounts of riprap associated with boat docks. The maximum dock size (including floating platform, gangway, and any associated covers) for both replacement of existing structures and new structures is 2,000 square feet. No part of the floating platform or pilings may penetrate the levee or be within 15 feet of the waterside levee toe or placed in the navigation channel. Gangway supports may be located within the levee embankment.

The dock anchoring must be sufficient to prevent the dock from floating into the channel during high water.

Pilings must be a minimum of 2 feet taller than the levee crown to prevent the dock from floating off its pilings during a high-water event. There are no restrictions on piling depth provided the pilings do not penetrate the projected levee embankment and a geotechnical seepage analysis is prepared for pilings expected to penetrate the impervious layer to determine whether the risks can be mitigated. If a geotechnical investigation or analysis is not possible, piles must be cast in drilled holes against firm undisturbed soil. If possible, pilings should not be positioned skewed to the flow.

Pilings must be made of inert, nonreactive material. Creosote-coated materials are prohibited, and any chemically treated material must be coated with an impact-resistant, biologically inert substance. Decking material must be made of metal grating, plastic, or other nonreactive product (e.g., epoxy or wood); flotation devices must be made of materials that will not disintegrate, such as closed-cell, foam-encapsulated, sun-resistant polyethylene or plastic.

If the dock design includes gangway supports that penetrate the levee more than 12 inches, a seepage and stability analysis must be completed to demonstrate that the footings will not have a negative effect on the levee.

The requester must demonstrate that the dock design will prevent debris from accumulating at the dock. Possible ways to prevent the accumulation of debris include adding a debris deflector or removing the gangway during flood season. After each period of high water, all debris caught by the boat dock must be removed and disposed of outside the limits of the federal project easement.

Grated gangways are recommended because they allow easy visual inspection of the levee.

If material is added to the levee crown (e.g., to cover a concrete footing), the added material must be sloped at a 10-to-1, horizontal-to-vertical ratio in the upstream/downstream direction to prevent a "speed bump" effect and facilitate vehicle access.

If levee or bank erosion damaging to the levee occurs at or adjacent to the dock, the eroded area must be repaired with adequate bank protection to prevent further erosion.

Dredging within a federal navigation channel (including areas within authorized boundaries and any established setbacks) incidental to installation, maintenance, or removal of docks, other water based structures (including mooring buoys, dolphins, boat hoists, and boat storage), protective structures (including seawalls, fenders, and piles), and aids to navigation to previously authorized depth of the channel or controlling depths necessary for ingress/egress, whichever is less. The total disturbance area for dredging activities specifically must not exceed 4,000 square feet.

Any damage caused to the levee by removal, modification, or replacement of a dock must be repaired as part of the removal or construction process.

Regional Categorical Permission Alteration Checklist – 8. Dock

Note: The following checklist is intended for planning purposes only and includes information that USACE reviewers look for when considering a Section 408 request for docks under the Regional Categorical Permission. To be reviewed under the Regional Categorical Permission, the proposed project must adhere to all requirements of the Regional Categorical Permission, including the full alteration description (see previous page). The plans and narrative project description should reflect this information.

□ New C	onstruction	□ Replacement	□ Modification	Authori	ze Existing
Maximum covers) is	dock size (inc 2000 square f	luding gangway, floati eet:	ng platform, and any	associated	
Reference:	[Click to enter doo	cument source. Example – plan s	heet (p. 4), specs, report.]		
Comment:	Click to enter ratio	onale, explanation, unique situation	on, etc.		
No part of the waters	floating platfo ide levee toe:	rm or pilings will pene	trate the levee or be	within 15 feet	of
Reference:	[Click to enter doo	cument source. Example – plan s	heet (p. 4), specs, report.]		
Comment:	[Click to enter rati	onale, explanation, unique situat	ion, etc.]		
Dock anch high water	oring is suffic :	ient to prevent dock fr	om floating into the c	hannel during	
Reference:	[Click to enter doo	cument source. Example – plan s	heet (p. 4), specs, report.]		
Comment:	[Click to enter rati	onale, explanation, unique situat	ion, etc.]		
Pilings a m	ninimum of two	o feet higher than the	levee crown:		
Reference:	[Click to enter doo	cument source. Example – plan s	heet (p. 4), specs, report.]		
Comment:	[Click to enter rati	onale, explanation, unique situat	ion, etc.]		
Pilings do	not penetrate	the projected levee er	mbankment:		
Reference:	[Click to enter doo	cument source. Example – plan s	heet (p. 4), specs, report.]		
Comment:	[Click to enter rati	onale, explanation, unique situat	ion, etc.]		
Pilings exp	pected to pene	etrate the impervious l	ayer:	Yes	□ No □
● If y	es, geotechni	cal seepage analysis	submitted:	Yes	□ No □
 If a aga 	geotechnical ainst firm, und	analysis is not possib isturbed soil:	le, piles will be cast i	n drilled holes	
Reference:	[Click to enter doo	cument source. Example – plan s	heet (p. 4), specs, report.]		
Comment:	[Click to enter rati	onale, explanation, unique situat	ion, etc.]		
Pilings ma	de of inert, no	n-reactive material:			
Reference:	[Click to enter doo	cument source. Example – plan s	heet (p. 4), specs, report.]		
Comment:	[Click to enter rati	onale, explanation, unique situat	ion, etc.]		
No materia	ls coated with	creosote:			
Reference:	[Click to enter doc	ument source. Example – plan sł	neet (p. 4), specs, report]		
Comment:	[Click to enter ratio	nale, explanation, unique situatio	on, etc.]		

Any chemically treated materials are coated with an impact-resistant biologically inert material: Yes \Box	N/A 🗆
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report]	
Comment: [Click to enter rationale, explanation, unique situation, etc.]	
Decking material made of metal grating, plastic, or non-reactive product:	
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report.]	
Comment: [Click to enter rationale, explanation, unique situation, etc.]	
Flotation devices are made of materials that will not disintegrate:	
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report.]	
Comment: [Click to enter rationale, explanation, unique situation, etc.]	
Gangway supports proposed to penetrate more than 12 inches into the levee: Yes	No 🗆
 If yes, seepage and stability analysis submitted: 	
If yes, seepage and stability analysis demonstrates that footings will not	_
have a negative effect on the levee:	
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report.]	
Comment: [Click to enter rationale, explanation, unique situation, etc.]	
Dock design will prevent debris from accumulating at the dock	
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report.]	
Comment: [Click to enter rationale, explanation, unique situation, etc.]	
If material must be added to the levee crown, the added material must	
be sloped at a ratio of 10H:1V horizontal to vertical, in the	
upstream/downstream direction to prevent a "speed bump" effect and	
facilitate vehicle access: Yes	N/A 🗆
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report.]	
Comment: [Click to enter rationale, explanation, unique situation, etc.]	

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Comment

RCP Eligibility Review

Yes	<u>No</u>	<u>Add'l. Info</u> Requested		
			Environmental Reviewer:	 Date Click date
			Engineering Reviewer:	 Date Click date