

## **Regional Categorical Permission Alteration Description – 22. Swimming Pools**

The Regional Categorical Permission covers the installation, modification, and replacement of swimming pools and associated support facilities (e.g., plumbing, pool patios), subject to certain terms and conditions. The total area of permanent disturbance associated with the proposed alteration must not exceed 1 acre.

For pools within 300 feet of the landside levee embankment, the requester should provide a geotechnical analysis to ensure that the pool would not pose a serious risk to the levee. A slope stability analysis and seepage analysis for both through-seepage and underseepage also are necessary. If a geotechnical investigation, slope stability analysis, or seepage analysis is not possible, the following rule of thumb is recommended: add 10 feet of lateral distance from the levee toe for each foot of depth. That is, at 10 feet from the toe, the pool can be no deeper than 1 foot; at 20 feet from the toe, 2 feet deep; and so on. To be conservative, use the pool's deepest depth in the calculation.

For existing in-ground landside swimming pools built within the easement area, a geotechnical analysis is required to determine whether the risks can be mitigated or whether the pool must be removed. Pools should remain full to minimize the potential for buckling and slope failure.

Above-ground pools must not be built in the levee easement area because they can obstruct levee operations, maintenance, and flood-fighting activities.

During construction of new in-ground pools, every precaution must be taken to avoid puncturing the impervious layer which could facilitate seepage and lead to sand boils and potential levee instability.

For swimming pool removal, the non-federal sponsor must be contacted for information about the process. The area must then be restored to pre-alteration conditions, including repair of any damage to the levee.

## Regional Categorical Permission Alteration Checklist – 22. Swimming Pools

**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 swimming pools 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.

1.	<input type="checkbox"/> New Installation	<input type="checkbox"/> Replacement	<input type="checkbox"/> Modification	<input type="checkbox"/> Authorize Existing
2.	Maximum total area of permanent disturbance is 1 acre: <input type="checkbox"/>			
	Reference: <a href="#">[ Click to enter document source. Example – plan sheet (p. 4), specs, report. ]</a>			
	Comment: <a href="#">[ Click to enter rationale, explanation, unique situation, etc. ]</a>			
3.	For existing in-ground landside swimming pools built within the federal project easement area, a geotechnical analysis has been submitted : Yes <input type="checkbox"/> N/A <input type="checkbox"/>			
	Reference: <a href="#">[ Click to enter document source. Example – plan sheet (p. 4), specs, report. ]</a>			
	Comment: <a href="#">[ Click to enter rationale, explanation, unique situation, etc. ]</a>			
4.	No new above-ground pools built within the levee easement area are proposed: <input type="checkbox"/>			
	Reference: <a href="#">[ Click to enter document source. Example – plan sheet (p. 4), specs, report. ]</a>			
	Comment: <a href="#">[ Click to enter rationale, explanation, unique situation, etc. ]</a>			
5.	During construction of new in-ground pools, every precaution will be taken to avoid puncturing the impervious layer: <input type="checkbox"/>			
	Reference: <a href="#">[ Click to enter document source. Example – plan sheet (p. 4), specs, report. ]</a>			
	Comment: <a href="#">[ Click to enter rationale, explanation, unique situation, etc. ]</a>			
6.	For swimming pool removal, the requester has contacted the non-federal sponsor for information regarding removal: Yes <input type="checkbox"/> N/A <input type="checkbox"/>			
	Reference: <a href="#">[ Click to enter document source. Example – plan sheet (p. 4), specs, report. ]</a>			
	Comment: <a href="#">[ Click to enter rationale, explanation, unique situation, etc. ]</a>			
7.	For swimming pool removal, the area will be restored to pre-alteration conditions, including repair of any damage to the levee: Yes <input type="checkbox"/> N/A <input type="checkbox"/>			
	Reference: <a href="#">[ Click to enter document source. Example – plan sheet (p. 4), specs, report. ]</a>			
	Comment: <a href="#">[ Click to enter rationale, explanation, unique situation, etc. ]</a>			
8.	Hydraulic blockage calculation $\geq 1\%$ ?		Yes <input type="checkbox"/>	No <input type="checkbox"/> N/A <input type="checkbox"/>
	Reference: <a href="#">[ Click to enter document source. Example – plan sheet (p. 4), specs, report. ]</a>			
	Comment: <a href="#">[ Click to enter rationale, explanation, unique situation, etc. ]</a>			
9.	Hydraulic model used for hydraulic analysis?		Yes <input type="checkbox"/>	No <input type="checkbox"/> N/A <input type="checkbox"/>
	Reference: <a href="#">[ Click to enter document source. Example – plan sheet (p. 4), specs, report. ]</a>			
	Comment: <a href="#">[ Click to enter rationale, explanation, unique situation, etc. ]</a>			

– For Official Use Only below this line –

Comment

### RCP Eligibility Review

<u>Yes</u>	<u>No</u>	<u>Add'l. Info Requested</u>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Environmental Reviewer:	Date: <small>Click date</small>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Engineering Reviewer:	Date: <small>Click date</small>