

Department of Conservation & Natural Resources

Joe Lombardo, *Governor*James A. Settelmeyer, *Director*Jennifer L. Carr, *Administrator*

Clean Water Act Section 401 Water Quality Certification Application

Please refer to the "Clean Water Act Section 401 Water Quality Certification Application Guidance" document for assistance with completing this application.

A. Pre-Filing Meeting	
Please provide the date that a pre-filing meeting was requested from Nevada Division of Environmental Protection (NDEP) Bureau of Water Quality Planning (BWQP).	April 18, 2024
Note: If a pre-filing meeting has not been requested, please schedule a pre-filing meeting with NDEP BWQP.	

B. Contact Information			
Project Proponent Information	Project Proponent Information		
Company Name: Lake Mead National Recreation Area		Address: 601 Nevada Way	
Applicant Name: Sam Luke		City: Boulder City	
Phone: 702-293-8721	Fax:	State: NV	
Email: Sam_Luke@nps.gov		Zip Code: 89005	
Agent Information			
Company Name: Parametrix,	Inc.	Address: 719 2nd Ave, Suite 200	
Agent Name: Mike Hall		City: Seattle	
Phone: 206-394-3673	Fax:	State: WA	
Email: mhall@parametrix.cor	n	Zip Code: 98104	

C. Project General Information			
Project Location			
Project/Site Name: Boat Ramp Extension—Hemenv	vay Harbor Na	ame of receiving waterbody:	: Lake Mead
Address: No street address—see vicinity map in attaconstruction drawings	арі	Type of waterbody present at project location (select all trapply): Perennial River or Stream Intermittent River or Stream Ephemeral River or Stream Lake/Pond/Reservoir Wetland Other:	
City: Boulder City			
County: Clark			
State: NV			
Zip Code: 89005			
Latitude (UTM or Dec/Deg): 36.0303° N	Lor	ngitude (UTM or Dec/Deg):	114.7749° W
Township: 22 S Range: 64 E	Sec	ction: 24	¼ Section: NE

Project Details Project purpose: To allow continued access for recreational boaters and emergency services as water levels in Lake Mead drop, the National Park Service (NPS) needs to extend the existing boat launch ramp at Hemenway Harbor to an elevation of approximately 997 feet above mean sea level (AMSL). In 2022, the U.S. Army Corps of Engineers authorized extension of the ramp to an elevation of 1,027 feet AMSL, and the Nevada Division of Environmental Protection (NDEP) issued a water quality certification for the same work. This application amounts to a request for a modification to the 2022 water quality certification. Describe current site conditions: The project site is in unvegetated, unconsolidated sediments Attachments can include, but are not limited to, relevant site that underlie open water. data, photographs that represent current site conditions, or Photos accompany this application. Bathymetry is provided in other relevant documentation. the attached construction drawings. Describe the proposed activity including methodology of each Work will include excavation, grading, placement of aggregate project element: base, installation of pre-cast concrete launch ramp panels, and placement of a riprap perimeter. Work will be performed by a private firm under contract to NPS. Construction drawings and specifications accompany this submittal. The previously authorized work ends at approximately Station 13+65 on the construction drawings; this request covers work that extends downslope from that point, down to approximately Station 18+64. Construction elements will include the following: • Installation of temporary erosion and sediment control measures, including turbidity curtain Removal and salvage of existing pipe mats (the construction contractor will be responsible for transporting pipe mats to a storage location as directed by the NPS contracting officer) • Excavation of soft lakebed sediment Grading • Placement of fill material composed of crushed rock (aggregate base) and riprap • Installation of pre-cast concrete panels Installation of riprap perimeter trench along ramp edges to minimize erosion. Work may take place in water up to 40 feet deep. To create a stable surface for the concrete panels, soft lakebed sediment will be removed from the area where panels will be placed, including a 2-foot-wide strip along each edge and at the downslope end of the launch ramp. The depth of excavation will vary; the estimated volume of excavation is based on an average

observed sediment depth of approximately 26 inches.

upslope of the work area. For work in deeper water, the

A long-reach excavator will be used to install the pre-cast panels. For work in relatively shallow water (generally, less than 10 feet deep), the excavator will likely be positioned on the launch ramp

		Page 3 of 5
	excavator will be positioned offshore.	on a barge temporarily moored
Estimate the nature, specific location, and number of discharge(s) expected to be authorized by the proposed activity:	ordinary high water mark (Ohinterim guidance form the U.Scurrent OHWM is at an elevation (as of May 2024) relative to the function of 1988 (NAVD88). This elevatine attached construction drafeet (horizontal distance) ups 13+65) for the work that is the	
		own in the construction drawings. sist of base materials (aggregate
	Given that water depths will of begins, the ramp will need to levels continue to drop as procan be completed in two stag	exceed 40 feet when construction be extended in stages. If water bjected, it is expected that the work les. The timing and areal extent of tual water levels in Lake Mead.
	1	ed while construction is underway, n will be performed in two parts, mp at a time.
Provide the date(s) on which the proposed activity is planned to begin and end and the approximate date(s) when any discharge(s) may commence:	in October 2024 and to be co	discharges are anticipated to start mpleted within 2 years. Work is nmer and autumn, when water
Provide a list of the federal permit(s) or license(s) required to conduct the activity which may result in a discharge into regulated waters (see mandatory attachments):	1	require authorization from the U.S. er Nationwide Permit 36 (Boat
Provide a list of all other federal, state, interstate, tribal, territorial, or local agency authorizations required for the proposed activity and the current status of each authorization:	Temporary Permit for Workin Water Pollution Control. Anti- application: July 2024.	ng in Waterways—NDEP Bureau of cipated submittal date for
Total area of impact to regulated waterbodies (acres):	1.47 acres – Extension that is 1.74 acres – Previously autho 3.21 acres – Total of the abov	rized extension
Total distance of impact to regulated waterbodies (linear feet):	The width of the ramp extens the water's edge) will be 100 perimeter trench.	sion (i.e., the dimension parallel to feet, plus 4 feet of riprap
	The length of the ramp exten perpendicular to the water's feet (horizontal distance).	sion (i.e., the dimension edge) will be approximately 630
Amount excavation and/or fill discharged within regulated	Temporary:	Permanent:
waters (acres, linear feet, and cubic yards):		Excavation: 14,887 cubic yards / 1.47 acres Fill: 1,273 cubic yards / 1.47 acres

Amount of dredge material discharged within regulated	Temporary:	Permanent:
waters (acres, linear feet, and cubic yards):	0	0
Describe the reason(s) why avoidance of temporary fill in regulated waters is not practicable (if applicable):	The boat launch ramp provides access to the water. Placing the ramp at a location other than the water's edge would defeat its purpose.	
Describe the Best Management Practices (BMPs) to be implemented to avoid and/or minimize impacts to regulated waters: Examples include sediment and erosion control measures, habitat preservation, flow diversions, dewatering, hazardous materials management, water quality monitoring, equipment or plans to treat, control, or manage discharges, etc.	 Before project work begwill install temporary enfence and/or straw watt staging areas. See Sectic specifications document Straw wattles will also be The construction contra available onsite a spill kies. All equipment that will be steam-cleaned befor visually inspected daily be water. Tracked equipment will deep enough to submer Existing parking areas we roads will be used for according and vehicle in 100 feet from the water. The contractor will instate sediments stirred up by 01 of the attached species. Aggregate and riprap us durable, and free from contraction will an approved upland facility. No wet or uncured concording the State or we Lakebed sediments will an approved upland facility. 	the installed at the water's edge. Inctor will supply and have readily it, including oil-absorbent booms. The used off surfaced roadways will be used off surfaced roadways will be entering the Park and will be usefore entering or re-entering the motion be allowed to operate in watering the top of the tracks. It is used for staging and existing excess to launch ramps. Inaintenance areas will be at least it's edge. It is a turbidity curtain to contain in-water work. See Section 35 01 fications document. Indicated as fill will be clean, hard, deleterious matter. Indicate in the water will have exceed in the water will have exceed in the allowed to enteriaters of the U.S. In the behauled offsite and disposed of at allity.
Describe how the activity has been designed to avoid and/or minimize adverse effects, both temporary and permanent, to regulated waters:	be changed to dry land, and to change. No dewatering is proof to minimize the risk of water from oil and lubricant spillage allowed to operate in water of the tracks.	quality impacts that could result e, tracked equipment will not be deep enough to submerge the top
	change the condition of the conditions to bottom surfa	faces at the project site will not

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	ramp extension will not affect currents, and its presence will not reduce the area of waters of the U.S.
Describe any compensatory mitigation planned for this project (if applicable):	No direct or indirect long-term adverse environmental effects are anticipated; therefore, no mitigation measures are proposed.

	D. Signature	
Name and Title (Print): Samuel Luke, Engineering Technician	Phone Number: 702-293-8721	Date: 30 May 2024
SAMUEL Digitally signed by SAMUEL LUKE Date: 2024.05.30 09:59:32 -07'00'		
Signature of Responsible Official		

Mandatory Attachments:

• Federal Permit or License Identification:

- Project proponents seeking a federal general permit or license must include a copy of the draft federal license or permit and any readily available water quality-related materials that informed the development of the draft federal license or permit, or;
- Project proponents seeking a federal <u>individual permit or license</u> must include a copy of the federal permit or license application and any readily available water quality-related materials that informed the development of the federal license or permit application.
- **Site Map** A map or diagram of the proposed project site including project boundaries in relation to regulated waters, local streets, roads, and highways.
- Engineered Drawings Engineered drawings are preferred to be submitted at the 70% design level. If only conceptual designs are available at the time of application, plans for construction should be submitted prior to the start of the project. Specific locations of the proposed activities and details of specific work elements planned for the project should be identified (e.g., staging areas, concrete washouts, perimeter controls, water diversions, or other BMPs).

Submit the completed application materials to NDEP (ndep401@ndep.nv.gov) with the appropriate U.S. Army Corps of Engineers Regulatory Office copied on the communication (http://www.spk.usace.army.mil/Missions/Regulatory/Contacts/Contact-Your-Local-Office/).



U S Army Corps of Engineers Sacramento District

2021 Nationwide Permit Summary

33 CFR Part 330; Issuance of Nationwide Permits – February 25, 2022

36. Boat Ramps. Activities required for the construction, repair, or replacement of boat ramps, provided the activity meets all of the following criteria:

- (a) The discharge of dredged or fill material into waters of the United States does not exceed 50 cubic yards of concrete, rock, crushed stone or gravel into forms, or in the form of precast concrete planks or slabs, unless the district engineer waives the 50 cubic yard limit by making a written determination concluding that the discharge of dredged or fill material will result in no more than minimal adverse environmental effects:
- (b) The boat ramp does not exceed 20 feet in width, unless the district engineer waives this criterion by making a written determination concluding that the discharge of dredged or fill material will result in no more than minimal adverse environmental effects;
- (c) The base material is crushed stone, gravel or other suitable material:
- (d) The excavation is limited to the area necessary for site preparation and all excavated material is removed to an area that has no waters of the United States; and,
- (e) No material is placed in special a quatic sites, including wetlands. The use of unsuitable material that is structurally unstable is not authorized. If dredging in navigable waters of the United States is necessary to provide access to the boat ramp, the dredging must be authorized by another NWP, a regional general permit, or an individual permit.

Notification: The permittee must submit a pre-construction notification to the district engineer prior to commencing the activity if:

- (1) The discharge of dredged or fill material into waters of the United States exceeds 50 cubic yards, or
- (2) the boat ramp exceeds 20 feet in width. (See general condition 32.) (Authorities: Sections 10 and 404).

A. Regional Conditions

- 1. Regional Conditions for California
- 2. Regional Conditions for Nevada and Utah

B. Nationwide Permit General Conditions

Note: To qualify for NWP authorization, the prospective permittee must comply with the following general conditions, as applicable, in addition to any regional or case-specific conditions imposed by the division engineer or district engineer. Prospective permittees should contact the appropriate Corps district office to determine if regional conditions have been imposed on an NWP. Prospective permittees should also contact the appropriate Corps district office to determine the status of Clean Water Act Section 401 water quality certification and/or Coastal Zone Management Act consistency for an NWP. Every person who may wish to obtain permit authorization under one or more NWPs, or who is currently relying on an existing or prior permit authorization under one or more NWPs, has been and is on notice that all of the provisions of 33 CFR 330.1 through 330.6 apply to every NWP authorization. Note especially 33 CFR 330.5 relating to the modification, suspension, or revocation of any NWP authorization.

□ 1. Navigation. □ (a) No activity may cause more than a minimal adverse effect on navigation.

- ☐ (b) Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, must be installed and maintained at the permittee's expense on authorized facilities in navigable waters of the United States.
- ☐ (c) The permittee understands and a grees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his or her authorized representative, said structure or work shall cause unrea sonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made a gainst the United States on account of any such removal or alteration.
- □ 2. Aquatic Life Movements. No activity may substantially disrupt the necessary life cycle movements of those species of a quatic life indigenous to the waterbody, including those species that normally migrate through the area, unless the activity's primary purpose is to impound water. All permanent and temporary crossings of waterbodies shall be suitably culverted, bridged, or otherwise designed and constructed to maintain low flows to sustain the movement of those a quatic species. If a bottomless culvert cannot be used, then the crossing should be designed and constructed to minimize a dverse effects to aquatic life movements.

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□ 3. Spawning Areas . Activities in spawning areas during spawning seasons must be avoided to the maximum extent practicable. Activities that result in the physical destruction (e.g., through excavation, fill, or downstream smothering by substantial turbidity) of an important spawning area are not authorized. □ 4. Migratory Bird Breeding Areas . Activities in waters of the United States that serve as breeding areas for migratory birds must be a voided to the maximum extent practicable.	use has been discontinued. Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The affected areas must be revegetated, as appropriate. 14. Proper Maintenance. Any authorized structure or fill shall be properly maintained, including maintenance to ensure public safety and compliance with applicable NWP general conditions, as well as any activity-specific conditions added by the district engineer to an NWP authorization.
5. Shellfish Beds . No activity may occur in a reas of concentrated shellfish populations, unless the activity is directly related to a shellfish harvesting activity authorized by NWPs 4 and 48, or is a shellfish seeding or habitat restoration activity	☐ 15. Single and Complete Project . The activity must be a single and complete project. The same NWP cannot be used more than once for the same single and complete project.
authorized by NWP 27.	☐ 16. Wild and Scenic Rivers.
☐ 6. Suitable Material. No activity may use unsuitable material (e.g., trash, debris, car bodies, a sphalt, etc.). Material used for construction or discharged must be free from toxic pollutants in toxic a mounts (see section 307 of the Clean Water Act).	☐ (a) No NWP activity may occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, unless the appropriate Federal a gency with direct management responsibility for such river, has
7. Water Supply Intakes. No activity may occur in the proximity of a public water supply intake, except where the activity is for the repair or improvement of public water supply intake structures or a djacent bank stabilization.	determined in writing that the proposed activity will not adversely affect the Wild and Scenic River designation or study status.
□ 8. Adverse Effects From Impoundments. If the activity creates an impoundment of water, adverse effects to the aquatic system due to accelerating the passage of water, and/or restricting its flow must be minimized to the maximum extent practicable.	☐ (b) If a proposed NWP activity will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, the permittee must submit a preconstruction notification (see general condition 32). The
☐ 9. Management of Water Flows . To the maximum extent practicable, the pre-construction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization, storm water management activities, and temporary and permanent road crossings, except as provided below. The activity must be constructed to withstand expected high flows. The activity must not restrict or impede the	district engineer will coordinate the PCN with the Federal a gency with direct management responsibility for that river. Permittees shall not begin the NWP activity until notified by the district engineer that the Federal a gency with direct management responsibility for that river has determined in writing that the proposed NWP activity will not adversely affect the Wild and Scenic River designation or study status.
passage of normal or high flows, unless the primary purpose of the activity is to impound water or manage high flows. The activity may alter the pre-construction course, condition, capacity, and location of open waters if it benefits the aquatic environment (e.g., stream restoration or relocation activities). 10. Fills Within 100-Year Floodplains. The activity must comply with applicable FEMA-approved state or local	☐ (c) Information on Wild and Scenic Rivers may be obtained from the appropriate Federal land management agency responsible for the designated Wild and Scenic River or study river (e.g., National Park Service, U.S. Forest Service, Bureau of Land Management, U.S. Fish and Wildlife Service). Information on these rivers is also available at: https://www.rivers.gov/ .
floodplain management requirements.	☐ 17. Tribal Rights . No activity or its operation may impair
☐ 11. Equipment . Heavy equipment working in wetlands or mudflats must be placed on mats, or other measures must be	reserved tribal rights, including, but not limited to, reserved water rights and treaty fishing and hunting rights.
taken to minimize soil disturbance.	☐ 18. Endangered Species.
□ 12. Soil Erosion and Sediment Controls. Appropriate soil erosion and sediment controls must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark or high tide line, must be permanently stabilized at the earliest practicable date. Permittees are encouraged to perform work within waters of the United States during periods of low-flow or no-flow, or during low tides. □ 13. Removal of Temporary Fills. Temporary structures must be removed, to the maximum extent practicable, a fter their	☐ (a) No activity is authorized under any NWP which is likely to directly or indirectly jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act (ESA), or which will directly or indirectly destroy or a dversely modify designated critical habitat or critical habitat proposed for such designation. No activity is authorized under any NWP which "may affect" a listed species or critical habitat, unless ESA section 7 consultation addressing the

consequences of the proposed activity on listed species or critical habitat has been completed. See 50 CFR 402.02 for the definition of "effects of the action" for the purposes of ESA section 7 consultation, as well as 50 CFR 402.17, which provides further explanation under ESA section 7 regarding "activities that are reasonably certain to occur" and "consequences caused by the proposed action."

- □ (b) Federal a gencies should follow their own procedures for complying with the requirements of the ESA (see 33 CFR 330.4(f)(1)). If pre-construction notification is required for the proposed activity, the Federal permittee must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will verify that the appropriate documentation has been submitted. If the appropriate documentation has not been submitted, additional ESA section 7 consultation may be necessary for the activity and the respective federal a gency would be responsible for fulfilling its obligation under section 7 of the ESA.
- ☐ (c) Non-federal permittees must submit a preconstruction notification to the district engineer if any listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed such designation) might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat or critical habitat proposed for such designation, and shall not begin work on the activity until notified by the district engineer that the requirements of the ESA have been satisfied and that the activity is authorized. For activities that might affect Federally-listed endangered or threatened species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation), the pre-construction notification must include the name(s) of the endangered or threatened species (or species proposed for listing) that might be affected by the proposed activity or that utilize the designated critical habitat (or critical habitat proposed for such designation) that might be affected by the proposed activity. The district engineer will determine whether the proposed activity "may affect" or will have "no effect" to listed species and designated critical habitat and will notify the non-Federal applicant of the Corps' determination within 45 days of receipt of a complete preconstruction notification. For activities where the non-Federal applicant has identified listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation) that might be affected or is in the vicinity of the activity, and has so notified the Corps, the applicant shall not begin work until the Corps has provided notification that the proposed activity will have "no effect" on listed species (or species proposed for listing or designated critical habitat (or critical habitat proposed for such designation), or until ESA section 7 consultation or conference has been completed. If the non-Federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps.
- ☐ (d) As a result of formal or informal consultation or conference with the FWS or NMFS the district engineer may add species-specific permit conditions to the NWPs. ☐ (e) Authorization of an activity by an NWP does not authorize the "take" of a threatened or endangered species as defined under the ESA. In the absence of separate authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with "incidental take" provisions, etc.) from the FWS or the NMFS, the Endangered Species Act prohibits any person subject to the jurisdiction of the United States to take a listed species, where "take" means to harass, harm, pursue, hunt, shoot, wound, kill, trap. capture, or collect, or to attempt to engage in any such conduct. The word "harm" in the definition of "take" means an act which actually kills or injures wildlife. Such an act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering. ☐ (f) If the non-federal permittee has a valid ESA section 10(a)(1)(B) incidental take permit with an approved Habitat Conservation Plan for a project or a
- group of projects that includes the proposed NWP activity, the non-federal applicant should provide a copy of that ESA section 10(a)(1)(B) permit with the PCN required by paragraph (c) of this general condition. The district engineer will coordinate with the agency that issued the ESA section 10(a)(1)(B) permit to determine whether the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation conducted for the ESA section 10(a)(1)(B) permit. If that coordination results in concurrence from the a gency that the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation for the ESA section 10(a)(1)(B) permit, the district engineer does not need to conduct a separate ESA section 7 consultation for the proposed NWP activity. The district engineer will notify the non-federal applicant within 45 days of receipt of a complete pre-construction notification whether the ESA section 10(a)(1)(B) permit covers the proposed NWP activity or whether additional ESA section 7 consultation is required.
- ☐ (g) Information on the location of threatened and endangered species and their critical habitat can be obtained directly from the offices of the FWS and NMFS or their world wide web pages at https://www.fws.gov/ipac/ and https://www.fws.gov/ipac/ and https://www.fisheries.noaa.gov/topic/endangered-species-conservation respectively.
- □ 19. **Migratory Birds and Bald and Golden Eagles**. The permittee is responsible for ensuring that an action authorized by an NWP complies with the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act. The permittee is responsible for contacting the appropriate local office of the U.S. Fish and Wildlife Service to determine what measures, if any, are necessary or appropriate to reduce adverse effects to migratory birds or eagles, including whether "incidental take" permits are necessary and available under the Migratory Bird

paı	ticular activity.	under 36 CFR 800
	20. Historic Properties.	following effect d section 106 of the
	☐ (a) No activity is authorized under any NWP which	no adverse effect,
	may have the potential to cause effects to properties	•
	listed, or eligible for listing, in the National Register of	\Box (d) Where th
	Historic Places until the requirements of Section 106 of	historic properties
	the National Historic Preservation Act (NHPA) have been	might have the po
	satisfied.	notified the Corps
	(h) Fodoral normittees should follow their own	begin the activity either that the acti
	(b) Federal permittees should follow their own procedures for complying with the requirements of	historic properties
	section 106 of the National Historic Preservation Act (see	has been complete
	33 CFR 330.4(g)(1)). If pre-construction notification is	district engineer w
	required for the proposed NWP activity, the Federal	within 45 days of
	permittee must provide the district engineer with the	notification wheth
	appropriate documentation to demonstrate compliance	required. If NHP
	with those requirements. The district engineer will verify	the district engine
	that the appropriate documentation has been submitted. If	that he or she can
	the appropriate documentation is not submitted, then	consultation is cor
	additional consultation under section 106 may be	has not heard back
	necessary. The respective federal a gency is responsible	applicant must stil
	for fulfilling its obligation to comply with section 106.	☐ (e) Prospect
	☐ (c) Non-federal permittees must submit a pre-	section 110(k) of
	construction notification to the district engineer if the	the Corps from gr
	NWP activity might have the potential to cause effects to	applicant who, wit
	any historic properties listed on, determined to be eligible	section 106 of the
	for listing on, or potentially eligible for listing on the	adversely affected
	National Register of Historic Places, including previously	would relate, or ha
	unidentified properties. For such activities, the pre-	such significant ac
	construction notification must state which historic	after consultation
	properties might have the potential to be affected by the	Preservation (AC)
	proposed NWP activity or include a vicinity map	justify granting su
	indicating the location of the historic properties or the	created or permitt
	potential for the presence of historic properties.	justify granting th
	Assistance regarding information on the location of, or potential for, the presence of historic properties can be	notify the ACHP a
	sought from the State Historic Preservation Officer, Tribal	of any historic pro
	Historic Preservation Officer, or designated tribal	mitigation. This d
	representative, as appropriate, and the National Register	obtained from the
	of Historic Places (see 33 CFR 330.4(g)). When	Indian tribes if the
	reviewing pre-construction notifications, district	historic properties
	engineers will comply with the current procedures for	interest to those tr
	addressing the requirements of section 106 of the National	legitimate interest
	Historic Preservation Act. The district engineer shall	on historic proper
	make a reasonable and good faith effort to carry out	☐ 21. Discovery of
	appropriate identification efforts commensurate with	Artifacts. Permittees t
	potential impacts, which may include background	historic, cultural or arc
	research, consultation, oral history interviews, sample	accomplishing the acti
	field investigation, and/or field survey. Based on the information submitted in the PCN and these identification	immediately notify the
	efforts, the district engineer shall determine whether the	and to the maximum e
	proposed NWP activity has the potential to cause effects	activities that may affe
	on the historic properties. Section 106 consultation is not	required coordination l
	required when the district engineer determines that the	will initiate the Federa
	activity does not have the potential to cause effects on	to determine if the item
	historic properties (see 36 CFR 800.3(a)). Section 106	if the site is eligible for
	consultation is required when the district engineer	Historic Places.

determines that the activity has the potential to cause effects on historic properties. The district engineer will

Treaty Act or Bald and Golden Eagle Protection Act for a

- conduct consultation with consulting parties identified under 36 CFR 800.2(c) when he or she makes any of the following effect determinations for the purposes of section 106 of the NHPA: no historic properties a ffected, no adverse effect, or a dverse effect.
- e non-Federal applicant has identified s on which the proposed NWP a ctivity tential to cause effects and has so , the non-Federal applicant shall not until notified by the district engineer vity has no potential to cause effects to s or that NHPA section 106 consultation ed. For non-federal permittees, the vill notify the prospective permittee receipt of a complete pre-construction ner NHPA section 106 consultation is A section 106 consultation is required, er will notify the non-Federal applicant not begin the activity until section 106 n pleted. If the non-Federal applicant k from the Corps within 45 days, the ll wait for notification from the Corps.
- ive permittees should be a ware that the NHPA (54 U.S.C. 306113) prevents anting a permit or other assistance to an th intent to avoid the requirements of NHPA, has intentionally significantly d a historic property to which the permit a ving legal power to prevent it, allowed dverse effect to occur, unless the Corps, with the Advisory Council on Historic HP), determines that circumstances ch assistance despite the adverse effect ed by the applicant. If circumstances e a ssistance, the Corps is required to and provide documentation specifying , the degree of damage to the integrity perties affected, and proposed locumentation must include any views applicant, SHPO/THPO, appropriate e undertaking occurs on or affects s on tribal lands or affects properties of ribes, and other parties known to have a in the impacts to the permitted activity

☐ 21. Discovery of Previously Unknown Remains and

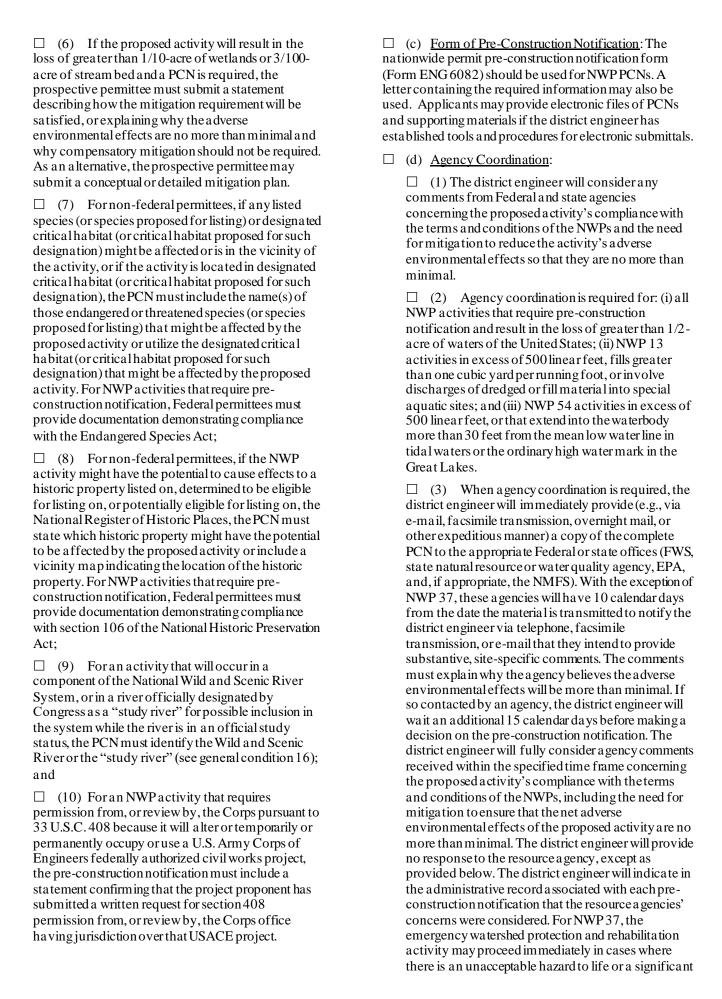
Artifacts. Permittees that discover any previously unknown historic, cultural or archeological remains and artifacts while accomplishing the activity authorized by an NWP, they must immediately notify the district engineer of what they have found, and to the maximum extent practicable, a void construction activities that may affect the remains and artifacts until the required coordination has been completed. The district engineer will initiate the Federal, Tribal, and state coordination required to determine if the items or remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places

☐ 22. Designated Critical Resource Waters . Critical resource waters include, NOAA-managed marine sanctuaries	environmental effects of the proposed activity are no more than minimal, and provides an activity-specific
and marine monuments, and National Estuarine Research	waiver of this requirement. This compensatory mitigation
Reserves. The district engineer may designate, a fter notice and opportunity for public comment, a dditional waters of ficially	requirement may be satisfied through the restoration or
designated by a state as having particular environmental or	enhancement of riparian areas next to streams in accordance with paragraph (e) of this general condition.
ecological significance, such as outstanding national resource	For losses of stream bed of 3/100-acre or less that require
waters or state natural heritage sites. The district engineer may	pre-construction notification, the district engineer may
also designate additional critical resource waters after notice and	determine on a case-by-case basis that compensatory
opportunity for public comment.	mitigation is required to ensure that the activity results in
\Box (a) Discharges of dredged or fill material into waters	only minimal adverse environmental effects. Compensatory mitigation for losses of streams should be
of the United States are not authorized by NWPs 7, 12,	provided, if practicable, through stream rehabilitation,
14, 16, 17, 21, 29, 31, 35, 39, 40, 42, 43, 44, 49, 50, 51, 52, 57 and 58 for any activity within, or directly affecting,	enhancement, or preservation, since streams are difficult-
critical resource waters, including wetlands a djacent to	to-replace resources (see 33 CFR 332.3(e)(3)).
such waters.	\Box (e) Compensatory mitigation plans for NWP
□ (b) For NWPs 3, 8, 10, 13, 15, 18, 19, 22, 23, 25, 27,	activities in or near streams or other open waters will
28, 30, 33, 34, 36, 37, 38, and 54, notification is required	normally include a requirement for the restoration or
in accordance with general condition 32, for any activity	enhancement, maintenance, and legal protection (e.g., conservation easements) of riparian areas next to open
proposed by permittees in the designated critical resource	waters. In some cases, the restoration or
waters including wetlands adjacent to those waters. The district engineer may authorize activities under these	maintenance/protection of riparian areas may be the only
NWPs only after she or he determines that the impacts to	compensatory mitigation required. If restoring riparian
the critical resource waters will be no more than minimal.	areas involves planting vegetation, only native species should be planted. The width of the required riparian area
☐ 23. Mitigation . The district engineer will consider the	will address documented water quality or a quatic habitat
following factors when determining a ppropriate and practicable	loss concerns. Normally, the riparian area will be 25 to 50
mitigation necessary to ensure that the individual and cumulative	feet wide on each side of the stream, but the district
adverse en vironmental effects are no more than minimal:	engineer may require slightly wider riparian areas to
\Box (a) The activity must be designed and constructed to	address documented water quality or habitat loss concerns. If it is not possible to restore or maintain/protect
a void and minimize a dverse effects, both temporary and	a riparian area on both sides of a stream, or if the
permanent, to waters of the United States to the maximum	waterbody is a lake or coastal waters, then restoring or
extent practicable at the project site (i.e., on site).	maintaining/protecting a riparian area along a single bank
☐ (b) Mitigation in all its forms (a voiding, minimizing,	or shoreline may be sufficient. Where both wetlands and open waters exist on the project site, the district engineer
rectifying, reducing, or compensating for resource losses) will be required to the extent necessary to ensure that the	will determine the appropriate compensatory mitigation
individual and cumulative adverse environmental effects	(e.g., riparian areas and/or wetlands compensation) based
are no more than minimal.	on what is best for the aquatic environment on a
☐ (c) Compensatory mitigation at a minimum one-for-	watershed basis. In cases where riparian areas are
one ratio will be required for all wetland losses that	determined to be the most a ppropriate form of minimization or compensatory mitigation, the district
exceed 1/10-acre and require pre-construction	engineer may waive or reduce the requirement to provide
notification, unless the district engineer determines in writing that either some other form of mitigation would	wetland compensatory mitigation for wetland losses.
be more environmentally appropriate or the adverse	☐ (f) Compensatory mitigation projects provided to
environmental effects of the proposed activity are no	offset losses of a quatic resources must comply with the
more than minimal, and provides an activity-specific	applicable provisions of 33 CFR part 332.
waiver of this requirement. For wetland losses of 1/10-	\Box (1) The prospective permittee is responsible for
a cre or less that require pre-construction notification, the district engineer may determine on a case-by-case basis	proposing an appropriate compensatory mitigation
that compensatory mitigation is required to ensure that the	option if compensatory mitigation is necessary to
activity results in only minimal adverse environmental	ensure that the activity results in no more than minimal adverse environmental effects. For the
effects.	NWPs, the preferred mechanism for providing
☐ (d) Compensatory mitigation at a minimum one-for-	compensatory mitigation is mitigation bank credits or
one ratio will be required for all losses of stream bed that	in-lieu fee program credits (see 33 CFR 332.3(b)(2)
exceed 3/100-acre and require pre-construction	and (3)). However, if an appropriate number and type of mitigation bank or in-lieu credits are not available
notification, unless the district engineer determines in writing that either some other form of mitigation would	at the time the PCN is submitted to the district
be more environmentally appropriate or the adverse	at the time that error submitted to the district

also satisfies the no more than minimal impact requirement for the NWPs.
(h) Permittees may propose the use of mitigation banks, in-lieu fee programs, or permittee-responsible mitigation. When developing a compensatory mitigation proposal, the permittee must consider appropriate and practicable options consistent with the framework at 33 CFR 332.3(b). For activities resulting in the loss of
marine or estuarine resources, permittee-responsible mitigation may be environmentally preferable if there are no mitigation banks or in-lieu fee programs in the area that have marine or estuarine credits available for sale or transfer to the permittee. For permittee-responsible mitigation, the special conditions of the NWP verification must clearly indicate the party or parties responsible for the implementation and performance of the compensatory mitigation project, and, if required, its long-term
management. (i) Where certain functions and services of waters of the United States are permanently adversely affected by a regulated activity, such as discharges of dredged or fill material into waters of the United States that will convert a forested or scrub-shrub wetland to a herbaceous wetland in a permanently maintained utility line right-of-way, mitigation may be required to reduce the adverse environmental effects of the activity to the no more than minimal level.
□ 24. Safety of Impoundment Structures . To ensure that all impoundment structures are safely designed, the district engineer may require non-Federal applicants to demonstrate that the structures comply with established state or federal, dam safety criteria or have been designed by qualified persons. The district engineer may also require documentation that the design has been independently reviewed by similarly qualified persons, and appropriate modifications made to ensure safety.
☐ 25. Water Quality.
☐ (a) Where the certifying authority (state, authorized tribe, or EPA, as appropriate) has not previously certified compliance of an NWP with CWA section 401, a CWA section 401 water quality certification for the proposed discharge must be obtained or waived (see 33 CFR 330.4(c)). If the permittee cannot comply with all of the conditions of a water quality certification previously issued by certifying authority for the issuance of the NWP, then the permittee must obtain a water quality certification or waiver for the proposed discharge in order for the activity to be authorized by an NWP.
☐ (b) If the NWP activity requires pre-construction notification and the certifying a uthority has not previously certified compliance of a n NWP with CWA section 401, the proposed discharge is not a uthorized by a n NWP until water quality certification is obtained or waived. If the certifying a uthority issues a water quality certification for the proposed discharge, the permittee must submit a copy of the certification to the district engineer. The discharge is not a uthorized by a n NWP until the district engineer has notified the permittee that the water quality certification requirement has been satisfied by the issuance of a water quality certification or a waiver.

(c) The district engineer or certifying authority may require a dditional water quality management measures to ensure that the authorized activity does not result in more than minimal degradation of water quality.	including any special conditions, will continue to be binding on the new owner(s) of the property. To validate the transfer of this nationwide permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below."
☐ 26. Coastal Zone Management. In coastal states where an NWP has not previously received a state coastal zone management consistency concurrence, an individual state coastal zone management consistency concurrence must be obtained, or	(Transferee)
a presumption of concurrence must occur (see 33 CFR 330.4(d)). If the permittee cannot comply with all of the conditions of a	(Date)
coastal zone management consistency concurrence previously issued by the state, then the permittee must obtain an individual	
coastal zone management consistency concurrence or presumption of concurrence in order for the activity to be authorized by an NWP. The district engineer or a state may require a dditional measures to ensure that the authorized activity is consistent with state coastal zone management requirements.	30. Compliance Certification. Each permittee who receives an NWP verification letter from the Corps must provide a signed certification documenting completion of the authorized activity and implementation of any required compensatory mitigation. The success of any required permittee-responsible mitigation, including the achievement of ecological performance
□ 27. Regional and Case-By-Case Conditions . The activity must comply with any regional conditions that may have been added by the Division Engineer (see 33 CFR 330.4(e)) and with any case specific conditions added by the Corps or by the state,	standards, will be addressed separately by the district engineer. The Corps will provide the permittee the certification document with the NWP verification letter. The certification document will include:
Indian Tribe, or U.S. EPA in its CWA section 401 Water Quality Certification, or by the state in its Coastal Zone Management Act consistency determination.	☐ (a) A statement that the authorized activity was done in accordance with the NWP authorization, including any general, regional, or activity-specific conditions;
□ 28. Use of Multiple Nationwide Permits. The use of	
more than one NWP for a single and complete project is authorized, subject to the following restrictions: (a) If only one of the NWPs used to authorize the	☐ (b) A statement that the implementation of any required compensatory mitigation was completed in a coordance with the permit conditions. If credits from a mitigation bank or in-lieu fee program are used to satisfy the compensatory mitigation requirements, the certification must include the documentation
single and complete project has a specified acreage limit, the acreage loss of waters of the United States cannot exceed the acreage limit of the NWP with the highest specified acreage	required by 33 CFR 332.3(l)(3) to confirm that the permittee secured the appropriate number and resource type of credits; and
limit. For example, if a road crossing over tidal waters is constructed under NWP 14, with associated bank stabilization	\Box (c) The signature of the permittee certifying the completion of the activity and mitigation.
authorized by NWP 13, the maximum acreage loss of waters of the United States for the total project cannot exceed 1/3-acre.	The completed certification document must be submitted to the district engineer within 30 days of completion of the authorized
☐ (b) If one or more of the NWPs used to authorize the single and complete project has specified a creage limits, the a creage loss of waters of the United States authorized by those	activity or the implementation of any required compensatory mitigation, whichever occurs later.
NWPs cannot exceed their respective specified a creage limits. For example, if a commercial development is constructed under	☐ 31. Activities Affecting Structures or Works Built by the United States. If an NWP activity also requires review by,
NWP 39, and the single and complete project includes the filling	or permission from, the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use
of an upland ditch authorized by NWP 46, the maximum acreage loss of waters of the United States for the commercial development under NWP 39 cannot exceed 1/2-acre, and the	a U.S. Army Corps of Engineers (USACE) federally authorized Civil Works project (a "USACE project"), the prospective
total a creage loss of waters of United States due to the NWP 39 and 46 activities cannot exceed 1 a cre.	permittee must submit a pre-construction notification. See para graph (b)(10) of general condition 32. An activity that requires section 408 permission and/or review is not a uthorized
☐ 29. Transfer of Nationwide Permit Verifications . If the	by an NWP until the appropriate Corps office issues the section
permittee sells the property associated with a nationwide permit verification, the permittee may transfer the nationwide permit verification to the new owner by submitting a letter to the	408 permission or completes its review to alter, occupy, or use the USACE project, and the district engineer issues a written NWP verification.
appropriate Corps district office to validate the transfer. A copy of the nationwide permit verification must be attached to the	☐ 32. Pre-Construction Notification .
letter, and the letter must contain the following statement and signature:	☐ (a) <u>Timing</u> . Where required by the terms of the NWP, the prospective permittee must notify the district
"When the structures or work authorized by this nationwide permit are still in existence at the time the property is transferred, the terms and conditions of this nationwide permit,	engineer by submitting a pre-construction notification (PCN) as early as possible. The district engineer must determine if the PCN is complete within 30 calendar days of the date of receipt and, if the PCN is determined to be

incomplete, notify the prospective permittee within that \square (4) 30 day period to request the additional information (i) A description of the proposed activity; necessary to make the PCN complete. The request must the activity's purpose; direct and indirect adverse specify the information needed to make the PCN environmental effects the activity would cause, complete. As a general rule, district engineers will request including the anticipated amount of loss of wetlands, additional information necessary to make the PCN other special a quatic sites, and other waters expected complete only once. However, if the prospective to result from the NWP activity, in acres, linear feet, permittee does not provide all of the requested or other appropriate unit of measure; a description of information, then the district engineer will notify the any proposed mitigation measures intended to reduce prospective permittee that the PCN is still incomplete and the adverse environmental effects caused by the the PCN review process will not commence until all of proposed activity; and any other NWP(s), regional the requested information has been received by the district general permit(s), or individual permit(s) used or engineer. The prospective permittee shall not begin the intended to be used to authorize any part of the activity until either: proposed project or any related activity, including \Box (1) He or she is notified in writing by the other separate and distant crossings for linear projects district engineer that the activity may proceed under that require Department of the Army authorization the NWP with any special conditions imposed by the but do not require pre-construction notification. The district or division engineer; or description of the proposed activity and any proposed mitigation measures should be sufficiently detailed to (2) 45 calendar days have passed from the allow the district engineer to determine that the district engineer's receipt of the complete PCN and adverse en vironmental effects of the activity will be the prospective permittee has not received written no more than minimal and to determine the need for notice from the district or division engineer. compensatory mitigation or other mitigation However, if the permittee was required to notify the measures. Corps pursuant to general condition 18 that listed species or critical habitat might be affected or are in (ii) For linear projects where one or more the vicinity of the activity, or to notify the Corps single and complete crossings require prepursuant to general condition 20 that the activity construction notification, the PCN must include the might have the potential to cause effects to historic quantity of anticipated losses of wetlands, other properties, the permittee cannot begin the activity special a quatic sites, and other waters for each single until receiving written notification from the Corps and complete crossing of those wetlands, other that there is "no effect" on listed species or "no special a quatic sites, and other waters (including potential to cause effects" on historic properties, or those single and complete crossings authorized by an that any consultation required under Section 7 of the NWP but do not require PCNs). This information Endangered Species Act (see 33 CFR 330.4(f)) will be used by the district engineer to evaluate the and/or section 106 of the National Historic cumulative adverse environmental effects of the Preservation Act (see 33 CFR 330.4(g)) has been proposed linear project, and does not change those completed. If the proposed activity requires a written non-PCN NWP activities into NWP PCNs. waiver to exceed specified limits of an NWP, the (iii) Sketches should be provided when permittee may not begin the activity until the district necessary to show that the activity complies with the engineer issues the waiver. If the district or division terms of the NWP. (Sketches usually clarify the engineer notifies the permittee in writing that an activity and when provided results in a quicker individual permit is required within 45 calendar days decision. Sketches should contain sufficient detail to of receipt of a complete PCN, the permittee cannot provide an illustrative description of the proposed begin the activity until an individual permit has been activity (e.g., a conceptual plan), but do not need to obtained. Subsequently, the permittee's right to be detailed engineering plans); proceed under the NWP may be modified, suspended, or revoked only in accordance with the procedure set \Box (5) The PCN must include a delineation of forth in 33 CFR 330.5(d)(2). wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial and ☐ (b) Contents of Pre-Construction Notification: The intermittent streams, on the project site. Wetland PCN must be in writing and include the following delineations must be prepared in accordance with the information: current method required by the Corps. The permittee \square (1) Name, address and telephone numbers of may ask the Corps to delineate the special a quatic sites and other waters on the project site, but there the prospective permittee; may be a delay if the Corps does the delineation, \Box (2) Location of the proposed activity; especially if the project site is large or contains many \Box (3) Identify the specific NWP or NWP(s) the wetlands, other special a quatic sites, and other waters. Furthermore, the 45-day period will not start prospective permittee wants to use to authorize the until the delineation has been submitted to or proposed activity; completed by the Corps, as appropriate;



loss of property or economic hardship will occur. The district engineer will consider any comments received to decide whether the NWP 37 authorization should be modified, suspended, or revoked in accordance with the procedures at 33 CFR 330.5. \Box (4) In cases of where the prospective permittee is not a Federal agency, the district engineer will provide a response to NMFS within 30 calendar days of receipt of any Essential Fish Habitat conservation recommendations, as required by section 305(b)(4)(B) of the Magnuson-Stevens Fishery Conservation and Management Act. \Box (5) Applicants are encouraged to provide the Corps with either electronic files or multiple copies of pre-construction notifications to expedite agency coordination. C. District Engineer's Decision 1. In reviewing the PCN for the proposed activity, the district engineer will determine whether the activity authorized by the NWP will result in more than minimal individual or cumulative adverse environmental effects or may be contrary to the public interest. If a project proponent requests authorization by a specific NWP, the district engineer should issue the NWP verification for that activity if it meets the terms and conditions of that NWP, unless he or she determines, after considering mitigation, that the proposed activity will result in more than minimal individual and cumulative a dverse effects on the a quatic environment and other a spects of the public interest and exercises discretionary authority to require an individual permit for the proposed activity. For a linear project, this determination will include an evaluation of the single and complete crossings of waters of the United States that require PCNs to determine whether they individually satisfy the terms and conditions of the NWP(s), as well as the cumulative effects caused by all of the crossings of waters of the United States authorized by an NWP. If an applicant requests a waiver of an applicable limit, as provided for in NWPs 13, 36, or 54, the district engineer will only grant the waiver upon a written determination that the NWP activity will result in only minimal individual and cumulative adverse en vironmental effects. ☐ 2. When making minimal adverse environmental effects determinations the district engineer will consider the direct and indirect effects caused by the NWP activity. He or she will also consider the cumulative adverse environmental effects caused by activities authorized by an NWP and whether those cumulative adverse environmental effects are no more than minimal. The district engineer will also consider site specific factors, such as the environmental setting in the vicinity of the NWP activity, the type of resource that will be affected by the NWP activity, the functions provided by the aquatic resources that will be affected by the NWP activity, the degree or magnitude to which the a quatic resources perform those functions, the extent that aquatic resource functions will be lost as a result of the NWP activity

(e.g., partial or complete loss), the duration of the adverse effects

resource functions to the region (e.g., watershed or ecoregion),

functional or condition assessment method is a vailable and

and mitigation required by the district engineer. If an appropriate

(temporary or permanent), the importance of the aquatic

practicable to use, that assessment method may be used by the district engineer to a ssist in the minimal adverse environmental effects determination. The district engineer may add case-specific special conditions to the NWP authorization to a ddress site-specific environmental concerns.

☐ 3. If the proposed activity requires a PCN and will result in a loss of greater than 1/10-acre of wetlands or 3/100-acre of stream bed, the prospective permittee should submit a mitigation proposal with the PCN. Applicants may also propose compensatory mitigation for NWP activities with smaller impacts, or for impacts to other types of waters. The district engineer will consider any proposed compensatory mitigation or other mitigation measures the applicant has included in the proposal in determining whether the net adverse environmental effects of the proposed activity are no more than minimal. The compensatory mitigation proposal may be either conceptual or detailed. If the district engineer determines that the activity complies with the terms and conditions of the NWP and that the adverse environmental effects are no more than minimal, after considering mitigation, the district engineer will notify the permittee and include any activity-specific conditions in the NWP verification the district engineer deems necessary. Conditions for compensatory mitigation requirements must comply with the appropriate provisions at 33 CFR 332.3(k). The district engineer must approve the final mitigation plan before the permittee commences work in waters of the United States. unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation. If the prospective permittee elects to submit a compensatory mitigation plan with the PCN, the district engineer will expeditiously review the proposed compensatory mitigation plan. The district engineer must review the proposed compensatory mitigation plan within 45 calendar days of receiving a complete PCN and determine whether the proposed mitigation would ensure that the NWP activity results in no more than minimal adverse environmental effects. If the net adverse environmental effects of the NWP activity (after consideration of the mitigation proposal) are determined by the district engineer to be no more than minimal, the district engineer will provide a timely written response to the applicant. The response will state that the NWP activity can proceed under the terms and conditions of the NWP, including any activityspecific conditions added to the NWP authorization by the district engineer.

□ 4. If the district engineer determines that the adverse environmental effects of the proposed activity are more than minimal, then the district engineer will notify the applicant either: (a) that the activity does not qualify for authorization under the NWP and instruct the applicant on the procedures to seek authorization under an individual permit; (b) that the activity is a uthorized under the NWP subject to the applicant's submission of a mitigation plan that would reduce the adverse environmental effects so that they are no more than minimal; or (c) that the activity is authorized under the NWP with specific modifications or conditions. Where the district engineer determines that mitigation is required to ensure no more than minimal adverse environmental effects, the activity will be authorized within the 45-day PCN period (unless additional time is required to comply with general conditions 18, 20, and/or 31),

with activity-specific conditions that state the mitigation requirements. The authorization will include the necessary conceptual or detailed mitigation plan or a requirement that the applicant submit a mitigation plan that would reduce the adverse environmental effects so that they are no more than minimal. When compensatory mitigation is required, no work in waters of the United States may occur until the district engineer has approved a specific mitigation plan or has determined that prior approval of a final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation.

D. Further Information

- 1. District engineers have authority to determine if an activity complies with the terms and conditions of an NWP.
- 2. NWPs do not obviate the need to obtain other federal, state, or local permits, approvals, or authorizations required by law.
- 3. NWPs do not grant any property rights or exclusive privileges.
- 4. NWPs do not authorize any injury to the property or rights of others.
- 5. NWPs do not authorize interference with any existing or proposed Federal project (see general condition 31).

E. Nationwide Permit Definitions

Best management practices (BMPs): Policies, practices, procedures, or structures implemented to mitigate the adverse environmental effects on surface water quality resulting from development. BMPs are categorized as structural or non-structural.

Compensatory mitigation: The restoration (re-establishment or rehabilitation), establishment (creation), enhancement, and/or in certain circumstances preservation of a quatic resources for the purposes of offsetting unavoidable a dverse impacts which remain after all appropriate and practicable a voidance and minimization has been a chieved.

Currently serviceable: Useable as is or with some maintenance, but not so degraded as to essentially require reconstruction.

Direct effects: Effects that are caused by the activity and occur at the same time and place.

Discharge: The term "discharge" means any discharge of dredged or fill material into waters of the United States.

Ecological reference: A model used to plan and design an a quatic habitat and riparian area restoration, enhancement, or establishment activity under NWP 27. An ecological reference may be based on the structure, functions, and dynamics of an a quatic habitat type or a riparian area type that currently exists in the region where the proposed NWP 27 activity is located. Alternatively, an ecological reference may be based on a conceptual model for the aquatic habitat type or riparian area type to be restored, enhanced, or established as a result of the proposed NWP 27 activity. An ecological reference takes into account the range of variation of the aquatic habitat type or riparian area type in the region.

Enhancement: The manipulation of the physical, chemical, or biological characteristics of an aquatic resource to heighten,

intensify, or improve a specific aquatic resource function(s). Enhancement results in the gain of selected aquatic resource function(s) but may also lead to a decline in other aquatic resource function(s). Enhancement does not result in a gain in a quatic resource area.

Establishment (creation): The manipulation of the physical, chemical, or biological characteristics present to develop an a quatic resource that did not previously exist at an upland site. Establishment results in a gain in a quatic resource area.

High Tide Line: The line of intersection of the land with the water's surface at the maximum height reached by a rising tide. The high tide line may be determined, in the absence of actual data, by a line of oil or scum along shore objects, a more or less continuous deposit of fine shell or debris on the foreshore or berm, other physical markings or characteristics, vegetation lines, tidal gages, or other suitable means that delineate the general height reached by a rising tide. The line encompasses spring high tides and other high tides that occur with periodic frequency but does not include storm surges in which there is a departure from the normal or predicted reach of the tide due to the piling up of water a gainst a coast by strong winds such as those accompanying a hurricane or other intense storm.

Historic Property: Any prehistoric or historic district, site (including a rchaeological site), building, structure, or other object included in, or eligible for inclusion in, the National Register of Historic Places maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization and that meet the National Register criteria (36 CFR part 60).

Independent utility: A test to determine what constitutes a single and complete non-linear project in the Corps Regulatory Program. A project is considered to have independent utility if it would be constructed a bsent the construction of other projects in the project area. Portions of a multi-phase project that depend upon other phases of the project do not have independent utility. Phases of a project that would be constructed even if the other phases were not built can be considered as separate single and complete projects with independent utility.

Indirect effects: Effects that are caused by the activity and are later in time or farther removed in distance but are still reasonably foreseeable.

Loss of waters of the United States: Waters of the United States that are permanently adversely affected by filling, flooding, excavation, or drainage because of the regulated activity. The loss of stream bed includes the acres of stream bed that are permanently adversely affected by filling or excavation because of the regulated activity. Permanent adverse effects include permanent discharges of dredged or fill material that change an aquatic area to dry land, increase the bottom elevation of a waterbody, or change the use of a waterbody. The acreage of loss of waters of the United States is a threshold measurement of the impact to jurisdictional waters or wetlands for determining whether a project may qualify for an NWP; it is not a net threshold that is calculated after considering compensatory mitigation that may be used to offset losses of aquatic functions and services. Waters of the United States temporarily filled,

flooded, excavated, or drained, but restored to pre-construction contours and elevations a fter construction, are not included in the measurement of loss of waters of the United States. Im pacts resulting from activities that do not require Department of the Army authorization, such as activities eligible for exemptions under section 404(f) of the Clean Water Act, are not considered when calculating the loss of waters of the United States.

Navigable waters: Waters subject to section 10 of the Rivers and Harbors Act of 1899. These waters are defined at 33 CFR part 329.

Non-tidal wetland: A non-tidal wetland is a wetland that is not subject to the ebb and flow of tidal waters. Non-tidal wetlands contiguous to tidal waters are located landward of the high tide line (i.e., spring high tide line).

Open water: For purposes of the NWPs, an open water is any area that in a year with normal patterns of precipitation has water flowing or standing above ground to the extent that an ordinary high-water mark can be determined. Aquatic vegetation within the area of flowing or standing water is either non-emergent, sparse, or absent. Vegetated shallows are considered to be open waters. Examples of "open waters" include rivers, streams, lakes, and ponds.

Ordinary High Water Mark: The term ordinary high water mark means that line on the shore established by the fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other a ppropriate means that consider the characteristics of the surrounding areas.

Perennial stream: A perennial stream has surface water flowing continuously year-round during a typical year.

Practicable: Available and capable of being done after taking into consideration cost, existing technology, and logistics in light of overall project purposes.

Pre-construction notification: A request submitted by the project proponent to the Corps for confirmation that a particular activity is authorized by nationwide permit. The request may be a permit application, letter, or similar document that includes information a bout the proposed work and its anticipated environmental effects. Pre-construction notification may be required by the terms and conditions of a nationwide permit, or by regional conditions. A pre-construction notification may be voluntarily submitted in cases where pre-construction notification is not required, and the project proponent wants confirmation that the activity is authorized by nationwide permit.

Preservation: The removal of a threat to, or preventing the decline of, a quatic resources by an action in or near those a quatic resources. This term includes activities commonly associated with the protection and maintenance of a quatic resources through the implementation of appropriate legal and physical mechanisms. Preservation does not result in a gain of a quatic resource area or functions.

Re-establishment: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former a quatic resource. Re-

establishment results in rebuilding a former aquatic resource and results in a gain in aquatic resource area and functions.

Rehabilitation: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of repairing natural/historic functions to a degraded aquatic resource. Rehabilitation results in a gain in aquatic resource function but does not result in a gain in aquatic resource area.

Restoration: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former or degraded aquatic resource. For the purpose of tracking net gains in a quatic resource area, restoration is divided into two categories: reesta blishment and rehabilitation.

Riffle and pool complex: Riffle and pool complexes are special aquatic sites under the 404(b)(1) Guidelines. Riffle and pool complexes sometimes characterize steep gradient sections of streams. Such stream sections are recognizable by their hydraulic characteristics. The rapid movement of water over a course substrate in riffles results in a rough flow, a turbulent surface, and high dissolved oxygen levels in the water. Pools are deeper areas associated with riffles. A slower stream velocity, a streaming flow, a smooth surface, and a finer substrate characterize pools.

Riparian areas: Riparian a reas are lands next to streams, lakes, and estuarine-marine shorelines. Riparian areas are transitional between terrestrial and a quatic ecosystems, through which surface and subsurface hydrology connects riverine, lacustrine, estuarine, and marine waters with their adjacent wetlands, nonwetland waters, or uplands. Riparian areas provide a variety of ecological functions and services and help improve or maintain local water quality. (See general condition 23).

Shellfish seeding: The placement of shellfish seed and/or suitable substrate to increase shellfish production. Shellfish seed consists of immature individual shellfish or individual shellfish attached to shells or shell fragments (i.e., spat on shell). Suitable substrate may consist of shellfish shells, shell fragments, or other appropriate materials placed into waters for shellfish habitat.

Single and complete linear project: A linear project is a project constructed for the purpose of getting people, goods, or services from a point of origin to a terminal point, which often involves multiple crossings of one or more waterbodies at separate and distant locations. The term "single and complete project" is defined as that portion of the total linear project proposed or a ccomplished by one owner/developer or partnership or other association of owners/developers that includes all crossings of a single water of the United States (i.e., a single waterbody) at a specific location. For linear projects crossing a single or multiple waterbodies several times at separate and distant locations, each crossing is considered a single and complete project for purposes of NWP authorization. However, individual channels in a braided stream or river, or individual arms of a large, irregularly shaped wetland or lake, etc., are not separate waterbodies, and crossings of such features cannot be considered separately.

Single and complete non-linear project: For non-linear projects, the term "single and complete project" is defined at 33 CFR 330.2(i) as the total project proposed or a complished by one owner/developer or partnership or other association of owners/developers. A single and complete non-linear project must have independent utility (see definition of "independent utility"). Single and complete non-linear projects may not be "piecemealed" to avoid the limits in an NWP authorization.

Stormwater management: Stormwater management is the mechanism for controlling stormwater runoff for the purposes of reducing downstream erosion, water quality degradation, and flooding and mitigating the adverse effects of changes in land use on the aquatic environment.

Stormwater management facilities: Stormwater management facilities are those facilities, including but not limited to, stormwater retention and detention ponds and best management practices, which retain water for a period of time to control runoff and/or improve the quality (i.e., by reducing the concentration of nutrients, sediments, hazardous substances and other pollutants) of stormwater runoff.

Stream bed: The substrate of the stream channel between the ordinary high-water marks. The substrate may be bedrock or inorganic particles that range in size from clay to boulders. Wetlands contiguous to the stream bed, but outside of the ordinary high-water marks, are not considered part of the stream bed.

Stream channelization: The manipulation of a stream's course, condition, capacity, or location that causes more than minimal interruption of normal stream processes. A channelized jurisdictional stream remains a water of the United States.

Structure: An object that is arranged in a definite pattern of organization. Examples of structures include, without limitation, any pier, boat dock, boat ramp, wharf, dolphin, weir, boom, breakwater, bulkhead, revetment, riprap, jetty, artificial island, artificial reef, permanent mooring structure, power transmission line, permanently moored floating vessel, piling, aid to navigation, or any other manmade obstacle or obstruction.

Tidal wetland: A tidal wetland is a jurisdictional wetland that is inundated by tidal waters. Tidal waters rise and fall in a predictable and measurable rhythmor cycle due to the gravitational pulls of the moon and sun. Tidal waters end where the rise and fall of the water surface can no longer be practically measured in a predictable rhythm due to masking by other waters, wind, or other effects. Tidal wetlands are located channel ward of the high tide line.

Tribal lands: Any lands title to which is either: 1) held in trust by the United States for the benefit of any Indian tribe or individual; or 2) held by any Indian tribe or individual subject to restrictions by the United States against a lienation.

Tribal rights: Those rights legally accruing to a tribe or tribes by virtue of inherent sovereign authority, unextinguished a boriginal title, treaty, statute, judicial decisions, executive order or a greement, and that give rise to legally enforceable remedies.

Vegetated shallows: Vegetated shallows are special aquatic sites under the 404(b)(1) Guidelines. They are a reas that are permanently inundated and under normal circumstances have

rooted aquatic vegetation, such as seagrasses in marine and estuarine systems and a variety of vascular rooted plants in freshwater systems.

Waterbody: For purposes of the NWPs, a waterbody is a "water of the United States." If a wetland is a djacent to a waterbody determined to be a water of the United States, that waterbody and any adjacent wetlands are considered together as a single aquatic unit (see 33 CFR 328.4(c)(2)).

