

Part 650 – Engineering Field Handbook

Chapter 16 – Streambank and Shoreline Protection

IL650.1600(d) Guide to Permits for Streambank Protection Work in Illinois

Streambank protection work is regulated by three agencies in the State of Illinois – the United States Army Corps of Engineers (USACE), the Illinois Environmental Protection Agency (IEPA), and the Illinois Department of Natural Resources – Office of Water Resources (IDNR). A copy of the joint application for a Section 404 – Clean Water Act permit is generally submitted to each agency.

The following page contains tables to help navigate the rules and regulations regarding streambank protection work. The tables are an interpretation of the rules, and do not represent the rules themselves. Where an agency has a predefined permit for the type of work to be done in the proposed project, the joint application may not need to be submitted, saving both the landowner and the permitting agency time and effort.

Definitions and Explanations

404 App – The joint application for a Section 404 – Clean Water Act permit

Blanket Riprap – Riprap covering the entire side of bank

CY/ft – cubic yards of riprap or other fill material per linear foot of project length. This includes all riprap or fill placed, including any keys associated with the project.

Notification – The application package as required by USACE Chicago District Regional Permit program

NW 13 – USACE Nationwide 13 Permit – Bank Stabilization

NW 27 – USACE Nationwide 27 Permit – Aquatic Habitat Restoration, Establishment, and Enhancement Activities

PCN – Preconstruction Notification as required by General Condition 31 to the USACE Nationwide Permit program

Project Length – for riffles, bendway weirs, and stream barbs, is defined as the cumulative footprint of the practice. For example, a 5000' reach is being treated with 17 rock riffles, each riffle being 36' long. The project length is $17 \times 36' = 612$ feet. Bendway weir and stream barb project lengths are the cumulative base widths of the structures measured along the bankline.

Reporting – The reporting requirement identified in NW 27 for projects not requiring Preconstruction Notification (PCN)

RP3 – IDNR Regional Permit 3

RP5 – USACE Chicago District Regional Permit 5

RP10 – USACE Chicago District Regional Permit 10

RP16 – USACE Regional Permit 16

Small DA – Where the drainage area of the project stream is 10 square miles or less in a rural area (1 square mile or less in an urban area)

STP – Stone Toe Protection, also known as Longitudinal Peaked Stone Toe Protection

SW9 – IDNR Statewide Permit 9

USACE Chicago District – Lake, McHenry, Kane, DuPage, Will, Cook Counties in Illinois

Instructions: Review both tables below. The regulations from all agencies must be considered and followed. Submit a 404 joint permit application to the specified regulatory agency unless the project falls under an applicable condition in each table.

USACE and IEPA

Project Type	Project Location	Project Length	Riprap Volume	Comments
STP or Blanket Riprap	Rest of IL	500 ft or less	1.0 CY/ft or less (volume requirement not applicable to STP)	NW 13 applies. No submission to USACE needed.
		1000 ft or less (Length requirement may be waived)	2.0 CY/ft or less (volume requirement not applicable to STP)	NW 13 and RP 16 apply; PCN required.
	USACE Chicago District	500 ft or less, and	1.0 CY/ft or less	RP 10 applies; Notification required
Riffles	Rest of IL	All	All	NW 27 applies; Report required.
	USACE Chicago District	All	All	RP 5 applies; Notification required
Stream Barbs or Bendway Weirs	Rest of IL	1000 ft or less (Length requirement may be waived)	All	RP 16 applies; PCN required.
	USACE Chicago District	All	All	RP 5 applies; Notification required

IDNR

Project Location	Project Length	Riprap Volume	Comments
Rest of IL (small DA)	All	All	No submission to IDNR needed.
Rest of IL	1000 ft or less	2.0 CY/ft or less	SW 9 applies. No submission to IDNR needed.
USACE Chicago District	1000 ft or less	All	RP 3 applies. No submission to IDNR needed.

References:

USACE Nationwide Permits and General Conditions

http://www.usace.army.mil/Portals/2/docs/civilworks/nwp/2012/NWP2012_corrections_21-sep-2012.pdf

USACE Chicago District permit program

<http://www.lrc.usace.army.mil/Portals/36/docs/regulatory/pdf/RPP2012.pdf>

USACE Regional Permit 16

<http://www.mvr.usace.army.mil/Portals/48/docs/regulatory/Permits/RG-IL/RegionalPermit16.pdf>

IDNR Statewide 9 Permit

<http://www.dnr.illinois.gov/WaterResources/Documents/ResmanStatewidePermit9.pdf>

IDNR Regional Permit 3

<http://www.dnr.illinois.gov/WaterResources/Documents/ResmanRegionalPermit3.pdf>

Joint Application form – Section 404 Clean Water Act permit

<http://www.dnr.illinois.gov/WaterResources/Pages/PermitApplicationandInstructions.aspx>