

Storm Water Permit Training for Active Solid Waste Landfills November 2, 2016

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Topics for Today

- Overview of storm water permitting of landfills to-date
- The Tier 2 Industrial Storm Water Permit
- Storm Water Pollution Prevention Plan (SWPPP) requirements
- Q&A



dnr.wi.gov

Keyword: storm water



GovDelivery

The screenshot shows the Wisconsin DNR website homepage. At the top, there is a banner for a tree seedling and shrub ordering campaign, stating "It's almost time! 2017 tree seedling and shrub ordering begins September 30." Below the banner is a navigation menu with links for Business, Licenses & Regulations, Recreation, Education, Contact, and Join DNR. A search bar is prominently displayed with the text "Search or Keywords" and a "Search" button. To the left of the search bar, there are sections for "Quick tasks" (Order eagle plates, Game registration, Request Customer ID #, Online license course, Emergency & enforcement, Register boat/ATV/arrow), "Popular links" (Parks and recreation, Grants and loans, Drinking water quality, Natural Resources Board, Deer advisory councils, Today's air quality, Conservation Congress, Ask the experts, Public input & meetings), and "Top news" (Sept. 11 marks opening of archery and crossbow deer hunting seasons, Crossbow, archery hunters should review safety rules before the first trek in woods). On the right side, there is a video player showing a person on a bicycle with the text "Richard Bong Wisconsin DNR". Below the video, there is a promotional banner for "Richard Bong State Recreation Area" with the text "Once designated to be a jet fighter base, Richard Bong State Recreation Area is strongly packed full of exciting outdoor recreational opportunities." The main content area features several promotional tiles: "WILDLIFE AND FISH APP" (Connecting old traditions with new technology), "A FANTASTIC OFFER" (Get your hands and reel in the rewards), "GO WILD" (Go Wild puts a license to excitement right at your fingertips), "DOWNLOAD TODAY!" (The Wisconsin State Parks and Forests guide is FREE to download), and "DRINKING WATER QUALITY" (The DNR is here to help you be better informed consumers). At the bottom, there is a "HOTLINES" section with contact information for wildlife, recreational, and environmental violations, and general questions. The footer contains "TOPICS" (Environmental Protection, Forest Management, Lands and Activities, Water Resources), "CONTACT" (Hotlines, Staff Directory, Office Locations, Feedback), "LEARN" (Home, About DNR, Workshops & Clinics), and "WORKS" (Non-resident, Resident, State locations). Social media icons for LinkedIn, Facebook, Twitter, YouTube, and RSS are visible. A red arrow points to the RSS icon in the footer.

Storm Water Permitting of Landfills

- Federal regulations and ch. [NR 216](#), Wis. Adm. Code, set requirements for storm water permits
 - MS4s (Subch. I)
 - Industrial facilities (Subch. II)
 - Construction sites (Subch. III)
- Under s. NR 216.21(2)(b)7., landfills are identified as Tier 2 industrial facilities
- Section NR 216.21(4), Other environmental programs

Section NR 216.21(4):

If one of the following conditions is met, the department may determine that a facility is in compliance with permit coverage required under s. 283.33, Stats., and will not be required to hold a separate permit under s. 283.33, Stats.:

(a) The storm water discharge is in compliance with a department permit or approval, which includes storm water control requirements that are at least as stringent as those required under this subchapter.

(b) The storm water discharge is in compliance with a memorandum of understanding with another agency of the state that implements rules including storm water control requirements that are at least as stringent as those required under this subchapter.

What changed?

- USEPA WPDES program review
 - Omissions and deviations identified in July 2011 letter from USEPA Region 5
 - USEPA added s. NR 216.21(4) as an additional concern in May 2012
- Performance standards in NR 151, Wis. Adm. Code
- May 2016 Guidance: Storm Water Discharge Permit Coverage at Solid Waste Landfills
- Court-approved stipulation with MEDC
- MEA petition to USEPA to withdraw delegation

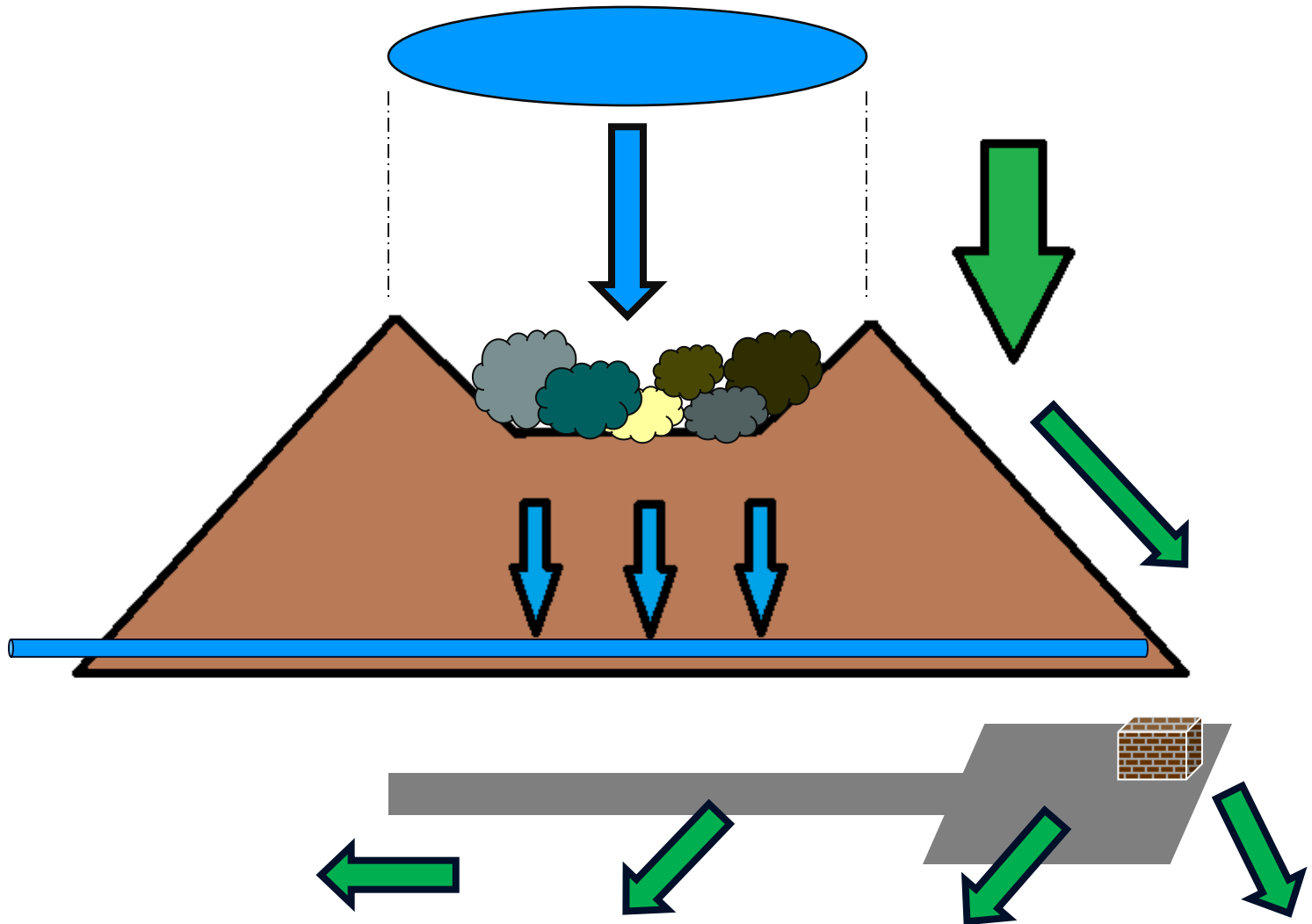
Current Status

- Letter of notification to apply sent July 18, 2016
- Submit application by Sept. 19, 2016
- SWPPP development/SWPPP summary dues by Jan. 31, 2017
- DNR currently processing applications and conferring coverage
- Reminder letter sent Oct. 25, 2016; response due by Nov. 4, 2016

Tier 2 Industrial Storm Water Permit



- Reissued June 15, 2016
- Applies to active solid waste landfills
- Exclusion in section 2.5.9, Table 1, for runoff from non-hazardous waste landfills
- Section 2.13, post-construction performance standards for landfills



Tier 2 Industrial Storm Water Permit (cont.)

- Minimum source area controls
- Prepare and implement a site-specific SWPPP
- Submit SWPPP summary (Form 3400-167) to DNR; full SWPPP upon DNR request
- Evaluate outfalls for non-storm water discharges (dry weather)
- Quarterly visual inspections (during runoff discharge)
- Annual facility site compliance inspections
- Annual permit fee of \$130, invoiced in May of each year

SWPPP Requirements

➤ Section NR 216.27

- (2) INCORPORATION BY REFERENCE. When plans are developed or activities conducted in accordance with other federal, state or local regulatory programs that meet the requirements of this section, the plans may be incorporated into the SWPPP by reference.

➤ Section NR 216.27(3)

- (a) Job title of responsible individual
- (b) Summary of major activities
- (c) Drainage base map
- (d) Results of any storm water sampling or other observations
- (e) Identify all potential source areas
- (f) Identify specific pollutants likely to be present
- (g) Non-storm water discharge information
- (h) Source area control BMPs

➤ Section NR 216.27(3) (cont.)

- (i) maintenance of BMPs
- (j) Likely storm water contaminants following implementation of source area controls
- (k) Storm water treatment practices where necessary
- (L) Provisions for complying with monitoring requirements
- (m) Implementation schedule
- (n) Properly signed

Industrial Storm Water Pollution Prevention Planning Manual

Storm Water Pollution Prevention Plan Summary (Form 3400-167)

Save... Print... Clear Data

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wis.gov

Storm Water Pollution Prevention Plan Summary
Industrial Storm Water Discharges General Permit
Form 3400-167 (R 01/16) Page 1 of 5

Notice: Pursuant to s. NR 218.20(1)(e), Wis. Adm. Code, this form is required to be completed for industrial facilities covered by a storm water general or individual permit, excluding coverage in certain permits described in s. NR 218.24(1), Wis. Adm. Code. Failure to submit a completed form to the DNR may result in fines up to \$25,000 per day pursuant to s. 295.01, Wis. Stats. Personal information collected will be used for other water quality program purposes and may be provided to requester to the extent required by Wisconsin's Open Record Law (ss. 19.31-19.39, Wis. Stats.)

Please type or clearly print your answers to all questions.

Section I: Facility/Site Information

Facility/Site Name (As Appears on Permit Authorization)		County	
Location Address/Description (if different from mailing address below)		State	ZIP Code
		WI	
<input type="radio"/> City	<input type="radio"/> Township	<input type="radio"/> Village	
of		Facility Identification Number (FID) and/or FIN Number if known:	
		FID	FIN

Section II: Facility/Site Contact Person (responsible for development and implementation of the Storm Water Pollution Prevention Plan (SWPPP))

Local Contact Person		Mailing Address (if different than site location address)	
Title		Municipality (if different than above)	
Telephone (include area code)		State	ZIP Code (if different from above)
		WI	
E-mail address or Website (if applicable)		Fax (include area code)	

Section III: Certification & Signature (Person attesting to the accuracy and completeness of the Storm Water Pollution Prevention Plan and Summary)

This form must be signed by an official representative of the permitted facility, in accordance with s. NR 218.22(7), Wis. Adm. Code. If this form is not signed, or is found to be incomplete, it will be returned.

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information contained in the plan. Based on my inquiry of the person, or persons, who manage the system, or those persons directly responsible for gathering the information; the information contained in this document is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for providing false information, including the possibility of fine and imprisonment. In addition, I certify under penalty of law that, based upon inquiry of persons directly under my supervision, to the best of my knowledge and belief, the provisions of this document adhere to the provisions of the storm water permit for the development and implementation of a Storm Water Pollution Prevention Plan and that the plan will be compiled with.

Signature of Authorized Representative	Telephone Number (include area code)		
Type or Print Name	Company Name		
Position Title	Mailing Address - PO Box, Street or Route		
Date Signed	Municipality	State	ZIP Code
		WI	

Existing Facilities: This form shall be submitted to the DNR prior to initiating industrial operations where coverage is required under a storm water permit.

New Facility Construction: This form shall be submitted to the DNR prior to initiating construction where the facility construction will disturb one or more acres of land.

DNR Use Only	
Date Received	Editor ID
FIN Number	Date Edited
FID Number	Other

Industrial Storm Water Pollution Prevention Planning



Wisconsin Department of Natural Resources
Bureau of Wastewater Management
Municipal Wastewater Section – Storm Water Unit
September 1994

Additional considerations for landfills...

- Compliance with post-construction performance standards
 - No retrofitting of existing BMPs except for failure and/or reconstruct, or a significant source of pollution on case-by-case basis
 - No infiltration requirement
 - New BMPs must comply with TSS and peak flow performance standards
- Rely on existing plans and management activities as much as possible
- Maintain existing relationships with DNR staff
- Incorporate disturbed land management into SWPPP

Questions?



Source: UW-Madison Dept. of Geography
geouwmadison.wordpress.com

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