

# Contaminated Soil and Sediment Management

John Morris,  
Professional Soil Scientist, Hydrogeologist  
Waste & Materials Management Program  
(WMMP)

# Sediment Management

- Sediment is classified as a solid waste and once excavated is handled similar to soil
- NR 720 soil standards can be used to make proper waste management decisions

# **Sediment May Be Exempt Under NR 500.08(3)**

Allows the user to manage it like similar “clean” material.

- Without restrictions on use
- Non-licensed Landfill



# NR 500.08(3) Exemptions for Licensing Requirements and Plan Review

If NR 504.04 performance standards are met, the following may be exempt:

- (a) <3,000 cyds from Great Lakes and select rivers, or lakes/ponds treated with arsenicals
- (b) Other rivers not listed above
- (c) Lakes/ponds not treated with arsenicals

# For Exempt “Clean” Sediment

Most dredging projects involve only “clean” sediment

The Ch. 30 permits can approve or direct the placement of dredged sediment

# How Can You Determine What Is Clean?

## Waste Determination Process

- Knowledge of the material
- Previous testing,
- Land use setting (past and present)
  - Industry, residential, rural?
  - Stormwater outfalls?
- Knowledge of chemical use in the area?
- Knowledge of past spills or cleanup sites in the area?
- etc.



# How Can You Determine What Is Clean?

Analytical Testing (NR 347)

Recommend testing for all  
parameters identified in the  
waste determination process

# Contaminated Sediment Management

For upland placement of contaminated sediment

- WMMP typically has jurisdiction



# Upland Contaminated Sediment Placement (WMMP)

- Can go to an approved licensed landfill
- May be eligible for a Low-Hazard Waste Grant of Exemption (LHWGE) for disposal/use outside of a licensed landfill (289.43(8) Stats.)

LHWGE Guidance Document published  
June 2015. “PUB-WA 1645”

# Contaminated Sediment Management

- RR has jurisdiction if source of contamination is a response action site and dredged material will be placed on the response action site.
- Sediment is included as “other solid waste” under NR 718.15

# Management of Other Solid Wastes

NR 718.15 allows placement of contaminated material on the response action site if:

1. Done in compliance with NR 700-754, and
2. DNR has granted approval.



# **WMMP Regional Dredging Contacts**

**NER – Greg Tilkens, 920-662-5433**

**NOR - John Morris, 715-635-4046**

**SCR - Dennis Mack, 608-275-3466**

**SER – Jerry DeMers, 414-263-8594**

**WCR - Brian Kalvelage, 608-785-9983**