



**Minnesota Pollution  
Control Agency**

520 Lafayette Road North  
St. Paul, MN 55155-4194

# Notification to Manage Dredged Material Without a Permit

## Water Quality Permit Program

Doc Type: Permit Evaluation

**Instructions:** In most cases, a permit from the Minnesota Pollution Control Agency (MPCA) is not required for the management of dredged material for projects involving the removal of less than or equal to 3,000 cubic yards of material with no surface water discharge, and is either: more than 93 percent sand, as determined by the grain size analysis; characterized as having contaminant values less than the relevant soil reference values for the proposed disposal option; or disposed at a site or landfill that already has an MPCA permit that is approved to manage dredged material. For projects not requiring a permit, complete and submit this Notification for MPCA review at least 30 days prior to initiation of dredging activities. If the MPCA concurs with your determination that a permit is not required, **a formal response will not be sent**. In addition to Notification, dredged material must be managed in accordance with the best management practices outlined in the MPCA document, "Best Management Practices for the Management of Dredged Material" (wq-gen2-02).

**Return completed notification form to:** Emily Schnick  
Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, MN 55155-4194

### Facility Information

1. **Facility owner** ☐ and/or Operator ☐ (Public Entity, City or Business Firm legally responsible for facility operation)  
[see Minn. R. 7001.0050]

Project name: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
Mailing address: \_\_\_\_\_ City: \_\_\_\_\_  
State: \_\_\_\_\_ Zip: \_\_\_\_\_ Type of ownership: ☐ Public or ☐ Private

2. **Facility location** No Post Office Boxes allowed. Actual physical location of facility -- must use actual street or highway address (or Section/Township/Range coordinates).

Project name: \_\_\_\_\_ Phone: \_\_\_\_\_  
Location address: \_\_\_\_\_  
Facility is located in the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of section \_\_\_\_\_ township \_\_\_\_\_  
of \_\_\_\_\_ County. Township # \_\_\_\_\_ Range # \_\_\_\_\_ ☐ East ☐ West  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Is the facility located on tribal land? ☐ Yes ☐ No If yes, apply to EPA Region V, John Coletti; 312- 886-6106

3. **Technical agent or consulting engineer:** \_\_\_\_\_ Title \_\_\_\_\_  
Name of firm or organization: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Contact Person (operator, Plant Manager, City Official): \_\_\_\_\_ Title: \_\_\_\_\_

### Basic Information

4. **Description of project**

- a. Attach a detailed textual description of the proposed dredging project, including a description of how the dredged material is to be managed in both the short- and long-term. **(4A)**
- b. Location of the activity: in \_\_\_\_\_ ☐ wetland ☐ lake ☐ river ☐ wetland at river mile \_\_\_\_\_  
and/or at elevation(s): \_\_\_\_\_ msl/nvgd

- c. Type of activity (*dredging, cable placement, etc*): \_\_\_\_\_
- d. Estimated frequency of dredging: ☐ One-time only      Indicate the estimated duration of the project: \_\_\_\_\_ days  
☐ On-going/maintenance (*check one*): ☐ Semi-annually ☐ Annually ☐ Biennially ☐ Other
- e. Projected volume of material to be dredged: \_\_\_\_\_ yd<sup>3</sup> (Total), \_\_\_\_\_ yd<sup>3</sup> per \_\_\_\_\_ (time period)
- f. Method or equipment used:  
☐ Hydraulic dredge: pumping rate: \_\_\_\_\_ gpm \_\_\_\_\_ # of hours of operation/day.  
☐ Mechanical dredge by: ☐ backhoe ☐ dragline ☐ clamshell  
☐ Other (describe): \_\_\_\_\_
- g. Attach a detailed map(s) (**4G**) depicting the following, as applicable to the project: the dredging site(s); the dredged material disposal site(s)/treatment system(s); any discharge point(s); storm sewer outlets (if the discharge will be routed to a storm sewer); the surface and ground water sampling points; land application site(s); the receiving water(s); and/or known drinking water supplies. This map should be based on a 7.5-minute U.S. Geological Survey quadrangle, county soil survey, or county plat location map.

## 5. Other permits required

- a. Is the project site now covered by an MPCA stormwater National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) permit? ☐ Yes ☐ No  
If yes, indicate the permit number, or date applied for: \_\_\_\_\_
- b. Does this project require a federal permit for dredging or filling activity? ☐ Yes ☐ No  
If yes, indicate permit number or date applied for, and the name(s) of the US Army Corps of Engineers (USCOE) staff person(s) involved in the issuance of this permit. Attach a copy of the permit or permit application (**5B**).  
Permit number or date applied for: \_\_\_\_\_ Staff name: \_\_\_\_\_
- c. Does this project require a state permit for work in the bed of public waters? ☐ Yes ☐ No  
If yes, indicate permit number or date applied for, and the name(s) of the Minnesota Department of Natural Resources (MDNR) staff person(s) involved in the issuance of this permit. Attach a copy of the permit or permit application (**4C**).  
Permit number or date applied for: \_\_\_\_\_ Staff name: \_\_\_\_\_
- d. Does this project require a state permit for the appropriation of water? ☐ Yes ☐ No  
If yes, indicate permit number or date applied for, and the name(s) of the MDNR staff person(s) involved in the issuance of this permit. Attach a copy of the permit or permit application (**5D**).  
Permit number or date applied for: \_\_\_\_\_ Staff name: \_\_\_\_\_
- e. Does this project require an Environmental Assessment to be completed? ☐ Yes ☐ No  
If yes, attach a copy of the completed Environmental Assessment Worksheet (**5E**).

## Dredged Material Characterization

### 8. Will 93 percent of dredged material be retained on a #200 sieve? ☐ Yes ☐ No

Attach a detailed textual description of the proposed dredging project, including a description of how the dredged material is to be managed in both the short- and long-term (**4A**).

If yes, attach the results from at least six representative sediment samples using ASTM Method D-422 and US Standard sieve numbers 10, 40, 100 and 200. Report the results for each of the discrete sample locations as a mass percentage of retained sediments (**8A**).

If yes, additional analysis is not required; skip to the 'Dredged Material Management' section of this attachment. If no, additional analysis is required; continue completing this section.

### 9. Type of material to be dredged (*for example, sand, silt, clay*): \_\_\_\_\_

### 10. Baseline analytes. Dredged material not excluded from additional analysis, as determined using the grain size analysis described above, must be analyzed for the baseline analytes indicated in the table on the next page.

Complete the following table with analytical results from a sample that is representative of the dredged material; attach lab sheets for all analytical data **(10A)**. The sampling date(s), location(s) and method(s) must be included with all of the analysis results.

| Analyte                       | Reporting unit <sup>1</sup> | Number of samples <sup>2</sup> | Date of analysis | Results |
|-------------------------------|-----------------------------|--------------------------------|------------------|---------|
| Arsenic                       | mg/kg                       |                                |                  |         |
| Cadmium                       | mg/kg                       |                                |                  |         |
| Chromium III                  | mg/kg                       |                                |                  |         |
| Chromium VI                   | mg/kg                       |                                |                  |         |
| Copper                        | mg/kg                       |                                |                  |         |
| Lead                          | mg/kg                       |                                |                  |         |
| Mercury                       | mg/kg                       |                                |                  |         |
| Nickel                        | mg/kg                       |                                |                  |         |
| Selenium                      | mg/kg                       |                                |                  |         |
| Zinc                          | mg/kg                       |                                |                  |         |
| Total Phosphorus              | mg/kg                       |                                |                  |         |
| Nitrate + Nitrite             | mg/kg                       |                                |                  |         |
| Ammonia Nitrogen              | mg/kg                       |                                |                  |         |
| Total Kjeldahl Nitrogen       | mg/kg                       |                                |                  |         |
| PCBs (Total)                  | mg/kg                       |                                |                  |         |
| Total Organic Carbon          | %                           |                                |                  |         |
| Sieve and Hydrometer Analysis | %                           |                                |                  |         |
| Moisture Content              | %                           |                                |                  |         |

<sup>1</sup> Report the results as dry weight, unless noted otherwise.

<sup>2</sup> Analysis must be conducted on samples that are representative of, and in consideration of the dredged material and activities at the project site. At a minimum, the number of samples to be collected at a proposed dredge site is specified in Table 6 of the MPCA document "Managing Dredged Materials in the State of Minnesota, 12/11".

- 11. Additional Analytes.** Using the MPCA guidelines and factors described in the MPCA document "Managing Dredged Materials in the State of Minnesota, 12/11", complete a risk assessment for the dredge project site and determine the reasonable potential of pollutants to be present in sediment to be dredged. Dredged material must be analyzed for the additional analytes indicated in the table below, as appropriate, based on a risk assessment and the 'reasonable potential' for a pollutant to be present in the dredged material.

Complete the following table with analytical results from a sample that is representative of the dredged material; attach lab sheets for all analytical data **(11A)**. The sampling date(s), location(s) and method(s) must be included with all of the analysis results.

| Analyte             | Reporting Unit <sup>1</sup> | Number of samples <sup>2</sup> | Date of analysis | Results |
|---------------------|-----------------------------|--------------------------------|------------------|---------|
| Barium              | mg/kg                       |                                |                  |         |
| Cyanide             | mg/kg                       |                                |                  |         |
| Manganese           | mg/kg                       |                                |                  |         |
| Oil & Grease        | %                           |                                |                  |         |
| Aldrin              | mg/kg                       |                                |                  |         |
| Chlordane           | mg/kg                       |                                |                  |         |
| Endrin              | mg/kg                       |                                |                  |         |
| Dieldrin            | mg/kg                       |                                |                  |         |
| Heptachlor          | mg/kg                       |                                |                  |         |
| Lindane (Gamma BHC) | mg/kg                       |                                |                  |         |
| DDT                 | mg/kg                       |                                |                  |         |
| DDD                 | mg/kg                       |                                |                  |         |
| DDE                 | mg/kg                       |                                |                  |         |
| Toxaphene           | mg/kg                       |                                |                  |         |

| Analyte   | Reporting Unit <sup>1</sup> | Number of samples <sup>2</sup> | Date of analysis | Results |
|---|-----------------------------|--------------------------------|------------------|---------|
| 2,3,7,8-dioxin, 2,3,7,8-furan and 15 2,3,7,8-substituted dioxin and furan congeners | pg/kg                       |                                |                  |         |
| Polycyclic Aromatic Hydrocarbons (PAHs)   | ug/kg                       |                                |                  |         |
| Naphthalene   | ug/kg                       |                                |                  |         |
| Pyrene  | ug/kg                       |                                |                  |         |
| Fluorene  | ug/kg                       |                                |                  |         |
| Acenaphthene  | ug/kg                       |                                |                  |         |
| Anthracene  | ug/kg                       |                                |                  |         |
| Fluoranthene  | ug/kg                       |                                |                  |         |
| Benzo (a) pyrene (BAP)/BAP equivalent <sup>3</sup>                                  | ug/kg                       |                                |                  |         |

<sup>1</sup> Report the results as dry weight, unless noted otherwise.

<sup>2</sup> Analysis must be conducted on samples that are representative of, and in consideration of the dredged material and activities at the project site. At a minimum, the number of samples to be collected at a proposed dredge site is specified in Table 6 of the MPCA document "Managing Dredged Materials in the State of Minnesota, 3/07".

<sup>3</sup> The results for the following analytes sho the Soil Reference Value (SR uld be used to calculate the BAP equivalent, as described by the MPCA document Polycyclic Aromatic Hydrocarbons,(p-eao2-03), and V) spreadsheet (c-r1-02.xls) at <http://www.pca.state.mn.us/enzq83d>. The BAP equivalent is compared against the soil reference value for Benzo (a) pyrene, above: Benzo (a) anthracene, Benzo (b) fluoranthene, Benzo (j) fluoranthene, Benzo (k) fluoranthene, Benzo (a) pyrene, Chrysene, Dibenz (a,j) acridine, Dibenz (a,h) acridine, 7,12 Dimethylbenz-anthracene, Dibenz (a,h)anthracene, 7H-Dibenzo(c,g) carbazole, Dibenzo (a,e) pyrene, Dibenzo (a,h) pyrene, Dibenzo (a,i) pyrene, Dibenzo (a,l) pyrene, 1,6-Dinitropyrene, 1,8-Dinitropyrene, Indeno (1,2,3-cd) pyrene, 3-Methylcholanthrene, 5-Methylchrysene, 5-Nitroacenaphthene, 1-Nitropyrene, 6-Nitrochrysene, 2-Nitrofluorene, and Quinoline

12. Indicate the name of the laboratory that analyzes your sediment samples: \_\_\_\_\_

13. Indicate the MN Department of Health (MDH) Laboratory Certification No. for this laboratory \_\_\_\_\_

14. **Management Level.** The management tier for dredged material is used to determine the appropriate management method(s) for dredged material from a given project, or subset of dredged material from a project. The management level for dredged material is based on the analyzed characteristics of the dredged material in comparison to Soil Reference Values (SRVs) for those analytes.

Using the MPCA document "Managing Dredged Materials in the State of Minnesota", determine the applicable management level for the dredged material. If the dredged material is proposed to be managed in subsets (based on applicable management level), indicate all applicable levels, and the approximate volume proposed to be managed within each level.

☐ Level 1 \_\_\_\_\_ yd<sup>3</sup>

☐ Level 2 \_\_\_\_\_ yd<sup>3</sup>

☐ Level 3 \_\_\_\_\_ yd<sup>3</sup>

## Dredged Material Management

### 15. Indicate how dredged material is proposed to be managed (check all that apply)

If the dredged material is proposed to be managed in subsets (based on applicable management tier or another factor), indicate all applicable management method(s), and the approximate volume proposed to be managed by each method. If storage or disposal is proposed at a USCOE placement site, indicate the USCOE site identification number and the name of the USCOE staff person with whom arrangements for placement are being made. If disposal is proposed at a site or landfill that has an MPCA permit, provide the permit number.

| Management method   | <i>If proposed to be managed off-site, provide the following information about each placement site, use additional sheets as necessary.</i>  |
|---|--|
| <input type="checkbox"/> Short-term storage at a placement site<br><i>(storage for less than or equal to 1 year)</i><br><input type="checkbox"/> Off-site, _____ yd <sup>3</sup><br><input type="checkbox"/> On-site, _____ yd <sup>3</sup>   | Site name or ID#: _____<br>Location city: _____<br>Public land survey (PLS) coordinators: T _____ N,R _____ W, Section _____<br>Placement site is owned by: _____<br>Placement site is operated by: _____            |
| <input type="checkbox"/> Long-term storage at a placement site<br><i>(storage for more than 1 year)</i><br><input type="checkbox"/> Off-site, _____ yd <sup>3</sup><br><input type="checkbox"/> On-site, _____ yd <sup>3</sup><br><i>If you answered 'on-site', stop here and complete instead a permit application, consisting of a 'Water Quality Transmittal Form' (wq-wwprm7-03) and the 'Attachment for Dredged Material Management' (wq-wwprm7-26).</i> | Site name or ID#: _____<br>Location city: _____<br>Public land survey (PLS) coordinators: T _____ N,R _____ W, Section _____<br>Placement site is owned by: _____<br>Placement site is operated by: _____            |
| <input type="checkbox"/> Permanent disposal<br><input type="checkbox"/> Off-site, _____ yd <sup>3</sup><br><input type="checkbox"/> On-site, _____ yd <sup>3</sup><br><i>If you answered 'on-site', stop here and complete instead a permit application, consisting of a 'Water Quality Transmittal Form' (wq-wwprm7-03) and the 'Attachment for Dredged Material Management' (wq-wwprm7-26).</i>   | Site name, ID#, or Permit #: _____<br>Location city: _____<br>Public land survey (PLS) coordinators: T _____ N,R _____ W, Section _____<br>Placement site is owned by: _____<br>Placement site is operated by: _____ |
| <input type="checkbox"/> Reuse of dredged material<br><input type="checkbox"/> Off-site, _____ yd <sup>3</sup><br><input type="checkbox"/> On-site, _____ yd <sup>3</sup>   | Description of proposed reuse project(s): _____<br>_____<br>_____<br>_____   |
| <input type="checkbox"/> Deep water disposal or other in-water disposal _____ yd <sup>3</sup>   | Name of water body: _____<br>_____   |
| <input type="checkbox"/> Beach nourishment, _____ yd <sup>3</sup>   | Name of water body: _____<br>_____   |

**Attachments checklist** (Check all that are attached.)

- ☐ Question (4A): Textual description of proposed dredging project.
- ☐ Question (4G): Detailed map: 7.5-minute U.S. Geological Survey quadrangle, County Soil Survey, or County Plat location map.
- ☐ Question (5B): Copy of USACE Permit or permit application for dredging or filling activity.
- ☐ Question (5C): Copy of MDNR Permit or permit application for work in bed of public waters.
- ☐ Question (5D): Copy of MDNR Permit or permit application for water appropriation.
- ☐ Question (5E): Copy of completed EAW.
- ☐ Question (8A): Test results for grain size analysis.
- ☐ Question (10A): Test results for baseline analytes.
- ☐ Question (11A): Test results for additional analytes.

**Certification**

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Federal regulations (Section 309(c)(2) of the Clean Water Act and State regulations (Minn. R. 7001.0070) require the authorized signer to be one of the following:

- A. For corporation, a principal executive officer of at least the level of vice president.
- B. For a partnership or sole proprietorship, a general partner or the proprietor, respectively.
- C. For a municipality, State, Federal, or other public facility, either a principal executive officer or ranking executive official.
- D. If the operator of the facility is different than the owner, both the operator and the owner according to items A to C.

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person, or persons, who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.*

Printed name: \_\_\_\_\_ Title: \_\_\_\_\_

Authorized signature: \_\_\_\_\_ Date: \_\_\_\_\_

State tax ID#: \_\_\_\_\_ Federal tax ID #: \_\_\_\_\_