



ATTACHMENT FOR GROUND WATER PUMP OUT

National Pollutant Discharge Elimination System (NPDES)/
State Disposal System (SDS) Permit

MPCA USE ONLY		
Application Number		
MN		
Date Received		
Month	Day	Year

Please type or print in black ink pen to complete this form. If the answer will not fit in the space, **attach** additional sheets as needed. To expedite the permitting process, please ensure that the application form is filled out completely and accurately. Preparation of this application form does not necessarily require the assistance of an engineer, environmental consultant, attorney or certified public accountant. Please copy the completed attachment for your records before providing it to the MPCA.

PERMITTEE: _____

This “Ground Water Pump Out” form must be completed along with a completed “MPCA Water Quality Transmittal Form,” and submitted together with the Transmittal Form to the MPCA. If you are proposing to construct a new pump out system, and/or establish a new pump out discharge point, you will need to provide a complete permit application to the MPCA at least six months before this planned activity.

1. Please identify those MPCA staff with whom you have worked with on this project, and which staff member the project ground water monitoring data is sent to:

2. How many ground water monitoring wells are included at the project?

3. If this project has been identified as a spill and/or leak site, what is the MPCA Spill and/or Leak Site identification number?

4. What is/are the suspected source of ground water contamination?

5. Check those pollutants identified or suspected in the ground water.
Attach a summary of the laboratory analysis results for these pollutants, and pH and specific conductance results. Submit the Laboratory Chromatogram for any sample that has a reportable concentration of Gasoline Range Organic and/or Diesel Range Organic. For ground water containing Lead or other metal contaminants, submit results for the receiving water total hardness. The most stringent Lead limit will be given for any applicant failing to include receiving water total hardness as part of the application.

<input type="checkbox"/> Benzene, ethylbenzene, toluene, xylenes (BETX)	<input type="checkbox"/> Phosphorus
<input type="checkbox"/> Diesel Range Organics (DRO)	<input type="checkbox"/> Polynuclear aromatic hydrocarbons (PAHs)
<input type="checkbox"/> Volatile organic compounds (VOCs)	<input type="checkbox"/> Gasoline Range Organics (GRO)
<input type="checkbox"/> Lead	<input type="checkbox"/> Salts (for example, sodium, chloride, fluoride)
<input type="checkbox"/> Nitrate	<input type="checkbox"/> Ammonia
<input type="checkbox"/> Other metals--Specify them:	<input type="checkbox"/> Other--Explain in detail:

6. Indicate the name of the laboratory that analyzes your samples:

7. Indicate the Minn. Department of Health (MDH) Laboratory Certification No. for this laboratory:

MDH rules require that all laboratories conducting wastewater tests be certified. The MPCA accepts laboratory data only from MDH-certified laboratories. Dissolved oxygen, pH, temperature and total residual chlorine analyses do not need to be done by a certified laboratory; these analyses must be conducted as soon as practicable after sample collection, and no later than one hour after collection. Information on laboratory certification is available from the MDH at (612)623-5243.

8. The time when you sample, including for a new proposed discharge, must be representative of the projected discharge wastewater quality. Please clearly indicate with all test results the specific dates, locations and methods of sampling.

If this is an application for reissuance of an existing permit, review your existing NPDES/SDS permit to see if it has special testing requirements for permit reissuance. If so, be sure to comply with those requirements. The existing permit also may have special requirements for reports or other submittals for the application for permit reissuance. Failure to complete the application for reissuance of a permit as required by the permit is a violation of the permit itself and is subject to enforcement action.

9. **Attach** a schematic diagram (flow chart) showing the proposed route(s) of wastewater flow through the pump out system from the ground water to the point(s) of discharge and/or on-land disposal. Show the supplies of intake water, as well as the wastewater collection and treatment units. Show the operations contributing to the pump out flow. Include the location of the discharge points on the flow chart. The diagram should show average flows, using actual measurements whenever available; otherwise use best estimates.

Discuss below the proposed treatment for the contaminated ground water. Explain in detail the extent to which this treatment system will reduce the levels of the potential pollutants, identified in question 8, in the treated pump out flow. **An oil/water separator and aeration or activated carbon adsorption system, or comparable treatment, is required.** For permit reissuance or modification, note any changes to the treatment system since this permit was last issued. **Attach** plans and flow diagrams for the treatment system equipment.

10. List below the chemical additives that are used or proposed to be used in the ground water remediation and treatment system. This includes the process reagents, flocculants, descalants, corrosion inhibitors, biocides, wastewater treatment chemical additives, chlorine or other disinfectants, detergents, cleaning products, chemical dust suppressants, freeze conditioning agents, etc. **Attach** information on the **complete chemical composition**, aquatic toxicity, human health, and environmental fate for each proposed chemical additive. **Attach** Material Safety Data Sheets and complete product labels for each additive.

Product Name	How often added	Where used	Maximum rate of use (weight or volume/year)

11. Have you already obtained a Minnesota Department of Natural Resources (DNR) water appropriations permit for this pump out? Yes No If "yes," what is the DNR permit number?

If you have questions about water appropriation permitting, please contact the DNR at (651)296-4800.

12. What is the reuse potential of the pump out water before discharge to a storm sewer or surface waters? Have you considered, for example, use of the pumpout water as cooling water?

13. The ground water pump out water will be routed to (check those that apply):

- | | |
|---|--|
| <input type="checkbox"/> Storm water retention basin or pond | <input type="checkbox"/> Surface waters (ditches, streams, lakes, wetlands, etc.) |
| <input type="checkbox"/> Municipal storm sewer | <input type="checkbox"/> Drain tile system |
| <input type="checkbox"/> Municipal sanitary sewer (If so, do you have approval from the local sanitary sewer district?) | <input type="checkbox"/> Septic tank/drainfield |
| <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> On-land disposal or land application (including infiltration gallery or irrigation of croplands or lawns) |
| <input type="checkbox"/> Other (explain in detail): | |

14. Indicate the information requested below for those proposed discharge points that include the pumpout water.

Discharge points include, for example, pipes, culverts and spray nozzles.

Discharge Point/ Outfall Number	Discharge flow rate, million gallons per day		Flow duration and frequency (Note if there are only certain months when the discharge would occur)	Where will the treated wastewater go? What route will it take to surface Receiving waters and/or land application* sites?
	Average	Maximum		

If the pumpout will be routed to a municipal sewer, please contact the sewer authority to confirm where the sewer discharges. Include this sewer route information in the right-hand box above.

*If there will be on-land disposal, complete an "Attachment for On-land Disposal Site Approval."

15. Has the ground water remediation system already been installed? Yes No

If the pump out has begun, what date did it start?

If the pump out has not begun, what date is proposed for it to start?

16. What date do you anticipate the pump out ending?

17. Describe how and where the sediments, residual solids and sludges removed from the wastewater treatment systems at the facility will be disposed of:

18. **Attach** a detailed map of the facility, wastewater treatment systems, discharge points, storm sewer outlets (if the pumpout will be routed to a storm sewer), surface and ground water sampling points, land application sites and receiving waters. This map should be based on a 7.5-minute U.S. Geological Survey quadrangle, County Soil Survey, or County Plat location map. On this map, identify the nearby residences, and the known drinking water supplies and surface waters.

19. If the ground water pump out system is currently covered under an NPDES/SDS permit, has the system been in compliance with the permit limits during the last three years? Yes No
If no, please elaborate:

CERTIFICATION AND SIGNATURE

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; or
- 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 I.D. # _____ FEDERAL TAX I.D. # _____

<p><u>Reminder:</u> <i>Did you sign this attachment?</i> <i>Did you enclose the Transmittal Form?</i> <i>Attach your application fee?</i> <i>Enclose completed attachments?</i></p>
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Applications submitted without an authorized signature, the required application fee and attachments, will be returned. Please make your check payable to the Minnesota Pollution Control Agency (MPCA).

Thank you for your time in filling out this water quality permit application form. If you have any questions, please contact the MPCA at (651) 296-7162.