



**Minnesota Pollution  
Control Agency**

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

# Industrial Non-Contact Cooling Water Notice of Intent General Permit Application

## NPDES/SDS General MNG250/MNG255000 Permits

Doc Type: Permit Application

**Eligibility criteria:** "Non-contact cooling water" is water used to reduce temperature that does not come into contact with a raw material, intermediate product, waste product other than heat, or finished product. It includes water used in most air conditioning equipment. "Non-contact cooling water" does not include cooling water that comes into contact with cans, bottles, product, etc. For eligibility under the non-contact cooling water general permit, the only pollutants added are heat and approved water treatment chemicals. If you answer yes to any of the following questions, your waste stream is not eligible for coverage under the non-contact cooling water general permits and you must complete an *Industrial Non-Contact Cooling Water Application* (wq-wwprm7-28) found on the Minnesota Pollution Control Agency (MPCA) website at <http://www.pca.state.mn.us/index.php/view-document.html?gid=7043>.

- ☐ Is this a recycled cooling water waste stream, such as bleed-off from cooling tower?
- ☐ Is this a contact cooling water waste stream?
- ☐ Other than chlorine or bromine, are toxic water treatment chemicals added to the cooling water?
- ☐ If an industry, is the waste stream regulated by federal categorical effluent limitation guidelines?

If no boxes were checked above, complete this application form by typing or printing in black ink. Attach additional sheets as necessary. For more information, contact the MPCA at: In Metro Area: 651-296-6300 or outside Metro Area: 800-657-3864.

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## General Information

**Permittee name:** \_\_\_\_\_ **Permit number:** MN \_\_\_\_\_

**Principal activity, product, or business:** \_\_\_\_\_ **SIC code:** \_\_\_\_\_

## Water Supply

### Cooling water source

- ☐ Groundwater ☐ Surface water ☐ Municipal water supply

If surface water, list name of surface water: \_\_\_\_\_

If municipal water supply, is it chlorinated? ☐ Yes ☐ No

**DNR Water Appropriation Permit No.:** \_\_\_\_\_ **Expiration date:** \_\_\_\_\_ ☐ No Exp. Date  
(mm/dd/yyyy)

Type of cooling system (e.g., heat exchangers, ammonia compressors)	Volume of discharge (gallons/day)		Final disposal of cooling water (e.g., name of receiving water body)
	Average	Maximum	

### Cooling water discharge

Number of separate discharge points to surface/groundwater: \_\_\_\_\_

Cooling system type	Hours/Day	Days/Week	Weeks/Year	Duration, if other than year-round (e.g., May-Oct)

The following items shall be submitted with this application form. It is not sufficient to cite that such items have been previously submitted. **Failure to submit these materials will result in rejection of the permit application.**

- ☐ **A map**, preferably a USGS quadrangle showing the location of the facility and the route to the receiving water body. If the discharge is to a storm sewer, you may need to contact the municipal authority to learn the storm sewer route from your facility to where the storm sewer discharges to surface water.
- ☐ A simple, schematic diagram (**flow chart**) showing the cooling water flow, from point of intake through the cooling water process to the discharge point from the facility. Indicate on this flow chart the point at which sampling of the cooling water discharge occurs.
- ☐ **Monitoring results** for temperature, pH and Total Phosphorus (irrespective of water source or whether or not such analysis is now required). If a municipal water supply, or if a chlorine or bromine based biocide is used, provide an analysis for Total Residual Oxidant as Chlorine, from a sample taken at the point of discharge from the facility, using a test method with a method detection limit of at least 0.001 mg/L, irrespective of whether or not such analysis is currently required.
- ☐ **Material Safety Data Sheets** and complete product label(s) and use instruction(s) for the chemical additives that are used or proposed to be used in the cooling water process regulated by this permit. This includes the descaling agents, corrosion inhibitors, biocides, fungicides, algacides, refrigerants, detergents, softening agents, etc. that are added to the intake water source. **Attach** information on the **complete chemical composition**, aquatic toxicity, human health, and environmental fate for each additive used. Include a narrative discussion on dosage rates (e.g., x gallons of product to x gallons of water discharged) and frequency of addition (e.g., continuous feed, slug dose once/week) for each additive use.
  - ☐ N/A

**Review the application and ensure all requested items are submitted with this application.**

**Please make a copy for your records.**

**Refer to the *Transmittal Form* for mailing instructions.**