



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Matthew J. Frank, Secretary

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April 16, 2010

GEORGE B RUDOLPH  
NOBLE COMPANY  
P O BOX 350  
GRAND HAVEN MI 49417 0350

Subject: Approval for use of **NOBURST™-100** Heat Transfer Fluid

The Private Water Supply Section has received and reviewed your application for approval, for use in Wisconsin, of your firm's **NOBURST™-100** heat transfer fluid for use in HVAC systems that utilize ground-coupled closed-loop geothermal heat exchange systems.

According to information submitted with your application this product is a non-toxic monopropylene glycol-based antifreeze fluid containing a phosphate additive to help inhibit corrosion these systems and also containing a non-toxic defoaming agent. Both the propylene glycol and the phosphate product are recognized by the U.S. FDA (under Title 21, parts 184 and 182) as being safe for contact with food. The defoaming agent also does not pose a health hazard or a hazard to the groundwater resource.

Based on this information, **NOBURST™-100** may be used in Wisconsin for approved closed-loop geothermal systems. In conformance with s. NR 812.09(4)(L), approval for the use of **NOBURST™-100** is hereby granted subject to the following condition:

That the composition of **NOBURST™-100** not be changed by your firm without written notification to this Department. Any such change will require a written Department approval prior to its continued use in Wisconsin. Failure to comply with this condition voids the approval.

As authorized by Todd L. Ambs, Administrator, Division of Water.

### NOTICE OF APPEAL RIGHTS

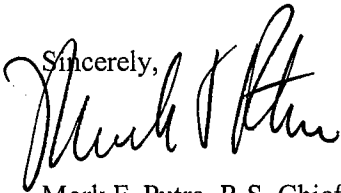
If you believe that you have a right to challenge this decision, you should know that Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to sections 227.52 and 227.53, Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review must name the Department of Natural Resources as the respondent.

To request a contested case hearing pursuant to section 227.42, Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. The filing of a request for a contested case hearing is not a prerequisite for judicial review and does not extend the 30-day period for filing a petition for judicial review.

All hearing requests must be made in accordance with s. NR 2.05(5), Wis. Adm. Code, and must identify the grounds for the petition and the desired modification or change to the Order and include specific information demonstrating the following:

1. The substantial interest of the petitioner which is injured in fact or threatened with injury by Department action or inaction;
2. That there is no evidence of legislative intent that this interest is not to be protected;
3. That the injury to the petitioner is different in kind or degree from injury to the general public caused by Department action or inaction; and
4. That there is a dispute of material fact. (You must specify the disputed facts).

This notice is provided pursuant to section 227.48(2), Stats.

Sincerely,  


Mark F. Putra, R.S. Chief  
Private Water Supply Section  
Bureau of Drinking Water and Groundwater

MFP:tvr

cc: Private Water Systems Program Personnel

Tom McDermott, Jr.; A. I. McDermott, Co. Inc.; 2009 Jackson Street, Oshkosh, WI 54901-2207