

# Administrative Procedures – Scientific Information Statement

## Instructions:

In completing the Scientific Information Statement, an agency shall provide a brief summary of the scientific information including reference to any scientific studies upon which the proposed rule is based, for the purpose of validity.

This form is only required when a rule relies on scientific information for its validity.

1. TITLE OF RULE FILING:

Vermont Use of Public Waters Rules

2. ADOPTING AGENCY:

Agency of Natural Resources

3. BRIEF EXPLANATION OF SCIENTIFIC INFORMATION:

The majority of tools with internal combustion motors are gasoline-powered. Gasoline contains harmful chemicals such as benzene, toluene, and xylene. People who drink water containing these chemicals in excess of the maximum contaminant level over time can develop serious health problems, including: nervous system, kidney, and liver damage; chromosome aberrations; and cancer. If an internal combustion motor powered tool fell through the ice at Berlin Pond, it is very likely that gasoline would leak into the water. According to EPA (2010), "Even a small spill can have a serious impact. A single pint of oil released into the water can cover one acre of surface area and can seriously damage an aquatic habitat. A spill of only one gallon of petroleum can contaminate a million gallons of source water."

4. CITATION OF SOURCE DOCUMENTATION OF SCIENTIFIC INFORMATION:

Agency for Toxic Substances and Disease Registry, Toxicological Profile for Gasoline (1995), available at <http://www.atsdr.cdc.gov/toxprofiles/tp72.pdf>.

U.S. Env'tl. Prot. Agency, Source Water Protection Practices Bulletin: Managing Above Ground Storage Tanks to Prevent Contamination of Drinking Water (2010), available at

[http://www.epa.gov/safewater/sourcewater/pubs/fs\\_swpp\\_ast.pdf](http://www.epa.gov/safewater/sourcewater/pubs/fs_swpp_ast.pdf).

U.S. Env'tl. Prot. Agency, National Primary Drinking Water Regulations, Consumer Factsheet on: Benzene, <http://water.epa.gov/drink/contaminants/basicinformation/historical/upload/Archived-Consumer-Factsheet-on-Benzene.pdf> (last visited Aug. 04, 2015).

U.S. Env'tl. Prot. Agency, National Primary Drinking Water Regulations, Consumer Factsheet on: Xylenes, <http://water.epa.gov/drink/contaminants/basicinformation/historical/upload/Archived-Consumer-Fact-Sheet-on-Xylenes.pdf> (last visited Aug. 04, 2015).

U.S. Env'tl. Prot. Agency, National Primary Drinking Water Regulations, Consumer Factsheet on: Toluene, <http://water.epa.gov/drink/contaminants/basicinformation/historical/upload/Archived-Consumer-Fact-Sheet-on-Toluene.pdf> (last visited Aug. 04, 2015).

5. INSTRUCTIONS ON HOW TO OBTAIN COPIES OF THE SOURCE DOCUMENTS OF THE SCIENTIFIC INFORMATION FROM THE AGENCY OR OTHER PUBLISHING ENTITY:

All source documents are publicly available online at the links provided above. All source documents are also available at the Agency of Natural Resources' offices.