

SCIENTIFIC INFORMATION STATEMENT

Note: 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. Where this form is insufficient for your purposes, please use additional sheets.

Please complete the following:

- 1. Title or subject of rule: Control of Hazardous Air Contaminants

2: Agency:

Natural Resources

3. A brief explanation of scientific information:

The existing Hazardous Ambient Air Standards (HAASS) and derivation methodologies were developed by the Air Pollution Control Division (APCD) many years ago, incorporated into the Regulations in 1989, and have not undergone revision since. The proposed revisions to the standards were developed by the Vermont Department of Health (DOH) and generally follow the derivation guidelines set forth in the Vermont Toxicological Advisory Committee Air Toxics Report (dated February 1998). As stated in two DOH memos dated December 31, 2003 and October 19, 2004, the HAASS for Category I, II and III hazardous air contaminants (HACS) in Appendix C of the Air Pollution Control Regulations have been reviewed by Kazelle Hoffman-Contos, Public Health Risk Assessment Specialist and Dr. Bill Bress, State Toxicologist. Where warranted by current toxicological information and the updated derivation guidelines, DOH recommended revised standards.

4. Cite source of Scientific Information and provide instruction on how to obtain this material from the agency:

- 1. Toxicological Advisory Committee, "Air Toxics Report" prepared for the State of Vermont, Agency of Natural Resources, February, 1998. This document is available in hard copy, by request, from the Air Pollution Control Division, or on the web at: <http://www.anr.state.vt.us/air/AirToxics/htm/AirToxReport1998.htm>
- 2. VT DOH memos dated 12/31/03 and 10/19/04. Both available from the APCD.
- 3. For Category 1 HACS, US Environmental Protection Agency (<http://www.epa.gov/iris>), the International Agency for Research on Cancer (IARC) (<http://www.iarc.fr/ENG/Databases/index.php>), and the National Toxicology Program (NTP) (<http://ntp-server.niehs.nih.gov>) were used as information sources.
- 4. For Category 2 and 3 HACS standards were established by using RfCs derived by the US EPA (<http://www.epa.gov/iris>), Threshold Limit Values (TLV) (<http://www.acgih.org/TLV/>), Permissible Exposure Limits (PEL) (<http://www.osha.gov/SLTC/pe1>) or Recommended Exposure Limits (REL) (<http://www.cdc.gov/niosh/npgh/npgh.html>).