

Administrative Procedures – Proposed Coversheet

Instructions:

In accordance with Title 3 Chapter 25 of the Vermont Statutes Annotated and the “Rule on Rulemaking” adopted by the Office of the Secretary of State, this proposed filing will be considered complete upon the submission and acceptance of the following components:

- Proposed Rule Coversheet
- Adopting Page
- Economic Impact Statement
- Public Input Statement
- Scientific Information Statement (if applicable)
- Incorporated by Reference Statement (if applicable)
- Clean text of the rule (Amended text without annotation)
- Annotated text (Clearly marking changes from previous rule)

All forms requiring a signature shall be original signatures of the appropriate adopting authority or authorized person, and all filings are to be submitted at the Office of the Secretary of State, no later than 3:30 pm on the last scheduled day of the work week.

The data provided in text areas of the proposed coversheet form will be used to generate a notice of rulemaking in the newspapers of record. Publication of notices will be charged back to the promulgating agency based on the word count of the notices.

Certification Statement: As the adopting Authority of this rule (see 3 V.S.A. § 801 (b) (11) for a definition), I approve the contents of this filing entitled:

Rule Title: Vermont Groundwater Protection Rule and Strategy

Deb Markowitz, on 7/12/16
 (signature) (date)

Printed Name and Title:
 Deb Markowitz, Secretary
 Natural Resources

RECEIVED BY: _____

- Proposed Rule Coversheet
- Adopting Page
- Economic Impact Statement
- Public Input Statement
- Scientific Information Statement (if applicable)
- Incorporated by Reference Statement (if applicable)
- Clean text of the rule (Amended text without annotation)
- Annotated text (Clearly marking changes from previous rule)
- ICAR Approval received by E-mail.

1. TITLE OF RULE FILING:

Vermont Groundwater Protection Rule and Strategy

2. ADOPTING AGENCY:

Agency of Natural Resources

3. PRIMARY CONTACT PERSON:

(A PERSON WHO IS ABLE TO ANSWER QUESTIONS ABOUT THE CONTENT OF THE RULE).

Name: Matthew Chapman

Agency: Agency of Natural Resources

Mailing Address: 2 Davis, 1 National Life Drive, Montpelier
Vermont 05620-3520

Telephone: 802 249 - 4393 Fax: -

E-Mail: matt.chapman@vermont.gov

Web URL *(WHERE THE RULE WILL BE POSTED)*:

<http://dec.vermont.gov/commissioners-office/pfoa>

4. SECONDARY CONTACT PERSON:

(A SPECIFIC PERSON FROM WHOM COPIES OF FILINGS MAY BE REQUESTED OR WHO MAY ANSWER QUESTIONS ABOUT FORMS SUBMITTED FOR FILING IF DIFFERENT FROM THE PRIMARY CONTACT PERSON).

Name: Ellen Parr Doering

Agency: Agency of Natural Resources

Mailing Address: 2 Main, 1 National Life Drive, Montpelier
Vermont 05620-3520

Telephone: 802 236 - 1483 Fax: -

E-Mail: ellen.parrdoering@vermont.gov

5. RECORDS EXEMPTION INCLUDED WITHIN RULE:

(DOES THE RULE CONTAIN ANY PROVISION DESIGNATING INFORMATION AS CONFIDENTIAL; LIMITING ITS PUBLIC RELEASE; OR OTHERWISE EXEMPTING IT FROM INSPECTION AND COPYING?) No

IF YES, CITE THE STATUTORY AUTHORITY FOR THE EXEMPTION:

PLEASE SUMMARIZE THE REASON FOR THE EXEMPTION:

6. LEGAL AUTHORITY / ENABLING LEGISLATION:

(THE SPECIFIC STATUTORY OR LEGAL CITATION FROM SESSION LAW INDICATING WHO THE ADOPTING ENTITY IS AND THUS WHO THE SIGNATORY SHOULD BE. THIS SHOULD BE A SPECIFIC CITATION NOT A CHAPTER CITATION).

10 V.S.A. Section 6603(1)

7. CONCISE SUMMARY (150 WORDS OR LESS):

The proposed rule establishes a primary groundwater quality enforcement standard for perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS).

8. EXPLANATION OF WHY THE RULE IS NECESSARY:

This rule is necessary because PFOA and PFOS are wastes that the Secretary has determined to be toxic, persist for an extended period in nature, that cause and contribute to adverse chronic effects on the health of persons including being a suspected carcinogen and therefore a primary groundwater quality enforcement standard is required.

9. LIST OF PEOPLE, ENTERPRISES AND GOVERNMENT ENTITIES AFFECTED BY THIS RULE:

Plastics manufacturers, firefighting organizations, wire coating industries, semiconductor industries, and other prior users of PFOA or PFOS.

10. BRIEF SUMMARY OF ECONOMIC IMPACT (150 WORDS OR LESS):

A groundwater enforcement standard is used to determine whether an investigation and corrective action is needed to protect human health or the environment when there is a release of a hazardous material. Any release of hazardous material is legally prohibited. The Agency does not have the legal authority to allow adverse health outcomes, such as cancer or adverse childhood developmental outcomes, based on the economic impact associated with adopting a standard. Economic impacts of specific cleanup options are considered when selecting a final corrective action to remediate any release.

11. A HEARING IS SCHEDULED .

12. HEARING INFORMATION

(THE FIRST HEARING SHALL BE NO SOONER THAN 30 DAYS FOLLOWING THE POSTING OF NOTICES ONLINE).

IF THIS FORM IS INSUFFICIENT TO LIST THE INFORMATION FOR EACH HEARING PLEASE ATTACH A SEPARATE SHEET TO COMPLETE THE HEARING INFORMATION NEEDED FOR THE NOTICE OF RULEMAKING.

Date: 8/30/2016

Time: 06:00 PM

Street Address: Community Room, Vermont Department of Health, 324 Main Street, Bennington
Zip Code: 05201

Date: 8/31/2016
Time: 03:00 PM

Street Address: Pavilion Auditorium, 109 State Street, Montpelier
Zip Code: 05602

Date:
Time: AM
Street Address:
Zip Code:

Date:
Time: AM
Street Address:
Zip Code:

- 13. DEADLINE FOR COMMENT (NO EARLIER THAN 7 DAYS FOLLOWING LAST HEARING):

9/9/2016

- 14. KEYWORDS (PLEASE PROVIDE AT LEAST 3 KEYWORDS OR PHRASES TO AID IN THE SEARCHABILITY OF THE RULE NOTICE ONLINE).

Perfluorooctanoic acid
PFOA
Perfluorooctanesulfonic acid
PFOS
groundwater

Run Spell Check

Administrative Procedures – Adopting Page

Instructions:

This form must be completed for each filing made during the rulemaking process:

- Proposed Rule Filing
- Final Proposed Filing
- Adopted Rule Filing
- Emergency Rule Filing

Note: To satisfy the requirement for an annotated text, an agency must submit the entire rule in annotated form with proposed and final proposed filings. Filing an annotated paragraph or page of a larger rule is not sufficient. Annotation must clearly show the changes to the rule.

When possible the agency shall file the annotated text, using the appropriate page or pages from the Code of Vermont Rules as a basis for the annotated version. New rules need not be accompanied by an annotated text.

1. TITLE OF RULE FILING:

Vermont Groundwater Protection Rule and Strategy

2. ADOPTING AGENCY:

Agency of Natural Resources

3. AGENCY REFERENCE NUMBER, IF ANY:

12-037-001

4. TYPE OF FILING (*PLEASE CHOOSE THE TYPE OF FILING FROM THE DROPDOWN MENU BASED ON THE DEFINITIONS PROVIDED BELOW*):

- **AMENDMENT** - Any change to an already existing rule, even if it is a complete rewrite of the rule, it is considered an amendment as long as the rule is replaced with other text.
- **NEW RULE** - A rule that did not previously exist even under a different name.
- **REPEAL** - The removal of a rule in its entirety, without replacing it with other text.

This filing is **AN AMENDMENT OF AN EXISTING RULE** .

5. LAST ADOPTED (*PLEASE PROVIDE THE SOS LOG#, TITLE AND LAST DATE OF ADOPTION FOR THE EXISTING RULE*):

Groundwater Protection Rule and Strategy, 2/14/2005,
#05-004

Run Spell Check

Administrative Procedures – Economic Impact Statement

Instructions:

In completing the economic impact statement, an agency analyzes and evaluates the anticipated costs and benefits to be expected from adoption of the rule. This form must be completed for the following filings made during the rulemaking process:

- Proposed Rule Filing
- Final Proposed Filing
- Adopted Rule Filing
- Emergency Rule Filing

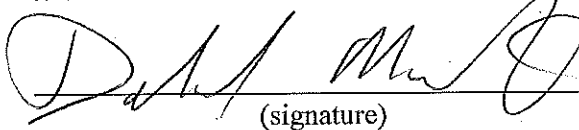
Rules affecting or regulating public education and public schools must include cost implications to local school districts and taxpayers in the impact statement (see 3 V.S.A. § 832b for details).

The economic impact statement also contains a section relating to the impact of the rule on greenhouse gases. Agencies are required to explain how the rule has been crafted to reduce the extent to which greenhouse gases are emitted (see 3 V.S.A. § 838(c)(4) for details).

All forms requiring a signature shall be original signatures of the appropriate adopting authority or authorized person.

Certification Statement: As the adopting Authority of this rule (see 3 V.S.A. § 801 (b) (11) for a definition), I conclude that this rule is the most appropriate method of achieving the regulatory purpose. In support of this conclusion I have attached all findings required by 3 V.S.A. §§ 832a, 832b, and 838(c) for the filing of the rule entitled:

Rule Title: Groundwater Protection Rule and Strategy

 _____, on 7/12/2016
(signature) (date)

Printed Name and Title:

Deb Markowitz, Secretary
Agency of Natural Resources

BE AS SPECIFIC AS POSSIBLE IN THE COMPLETION OF THIS FORM, GIVING FULL INFORMATION ON YOUR ASSUMPTIONS, DATABASES, AND ATTEMPTS TO GATHER OTHER INFORMATION ON THE NATURE OF THE COSTS AND BENEFITS INVOLVED. COSTS AND BENEFITS CAN INCLUDE ANY TANGIBLE OR INTANGIBLE ENTITIES OR FORCES WHICH WILL MAKE AN IMPACT ON LIFE WITHOUT THIS RULE.

1. TITLE OF RULE FILING:

Vermont Groundwater Protection Rule and Strategy

2. ADOPTING AGENCY:

Agency of Natural Resources

3. CATEGORY OF AFFECTED PARTIES:

LIST CATEGORIES OF PEOPLE, ENTERPRISES, AND GOVERNMENTAL ENTITIES POTENTIALLY AFFECTED BY THE ADOPTION OF THIS RULE AND THE ESTIMATED COSTS AND BENEFITS ANTICIPATED:

Perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) were used in numerous industrial coatings and treatment practices. The Agency of Natural Resources, in consultation with the Vermont Department of Health, has determined that the risks posed by PFOA and PFOS require formal action levels for response activities surrounding PFOA and PFOS. Since the major manufacturers of PFOA and PFOS have phased out its use, it is not expected to have a significant impact on current businesses.

4. IMPACT ON SCHOOLS:

INDICATE ANY IMPACT THAT THE RULE WILL HAVE ON PUBLIC EDUCATION, PUBLIC SCHOOLS, LOCAL SCHOOL DISTRICTS AND/OR TAXPAYERS:

There will not be an impact on schools.

5. COMPARISON:

COMPARE THE ECONOMIC IMPACT OF THE RULE WITH THE ECONOMIC IMPACT OF OTHER ALTERNATIVES TO THE RULE, INCLUDING NO RULE ON THE SUBJECT OR A RULE HAVING SEPARATE REQUIREMENTS FOR SMALL BUSINESS:

A groundwater enforcement standards is used to determine whether an investigation and corrective action is needed to protect human health or the environment when there is a release of a hazardous material. Any release of hazardous materials is legally prohibited. The Agency does not have the

legal authority to allow adverse health outcomes, such as cancer or adverse childhood developmental outcomes, based on the economic impact associated with adopting a standard. Economic impacts of specific cleanup options are considered when selecting a final corrective action to remediate any release.

6. FLEXIBILITY STATEMENT:

COMPARE THE BURDEN IMPOSED ON SMALL BUSINESS BY COMPLIANCE WITH THE RULE TO THE BURDEN WHICH WOULD BE IMPOSED BY ALTERNATIVES CONSIDERED IN 3 V.S.A. § 832a:

As stated above, the standards established for PFOA and PFOS represent the appropriate manner to respond to releases of PFOA and PFOS.

7. GREENHOUSE GAS IMPACT: *EXPLAIN HOW THE RULE WAS CRAFTED TO REDUCE THE EXTENT TO WHICH GREENHOUSE GASES ARE EMITTED, EITHER DIRECTLY OR INDIRECTLY, FROM THE FOLLOWING SECTORS OF ACTIVITIES:*

A. TRANSPORTATION —

IMPACTS BASED ON THE TRANSPORTATION OF PEOPLE OR PRODUCTS (e.g., "THE RULE HAS PROVISIONS FOR CONFERENCE CALLS INSTEAD OF TRAVEL TO MEETINGS" OR "LOCAL PRODUCTS ARE PREFERENTIALLY PURCHASED TO REDUCE SHIPPING DISTANCE. "):

None

B. LAND USE AND DEVELOPMENT —

IMPACTS BASED ON LAND USE AND DEVELOPMENT, FORESTRY, AGRICULTURE ETC. (e.g., "THE RULE WILL RESULT IN ENHANCED, HIGHER DENSITY DOWNTOWN DEVELOPMENT." OR "THE RULE MAINTAINS OPEN SPACE, FORESTED LAND AND/OR AGRICULTURAL LAND. "):

None

C. BUILDING INFRASTRUCTURE —

IMPACTS BASED ON THE HEATING, COOLING AND ELECTRICITY CONSUMPTION NEEDS (e.g., "THE RULE PROMOTES WEATHERIZATION TO REDUCE BUILDING HEATING AND COOLING DEMANDS." OR "THE PURCHASE AND USE OF EFFICIENT ENERGY STAR APPLIANCES IS REQUIRED TO REDUCE ELECTRICITY CONSUMPTION. "):

None

D. WASTE GENERATION / REDUCTION —

IMPACTS BASED ON THE GENERATION OF WASTE OR THE REDUCTION, REUSE, AND RECYCLING OPPORTUNITIES AVAILABLE (e.g., "THE RULE WILL RESULT IN

REUSE OF PACKING MATERIALS.” OR “AS A RESULT OF THE RULE, FOOD AND OTHER ORGANIC WASTE WILL BE COMPOSTED OR DIVERTED TO A ‘METHANE TO ENERGY PROJECT’.”):

None

E. OTHER —

IMPACTS BASED ON OTHER CRITERIA NOT PREVIOUSLY LISTED:

None

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Administrative Procedures – Public Input Statement

Instructions:

In completing the public input statement, an agency describes what it did do, or will do to maximize the involvement of the public in the development of the rule. This form must be completed for the following filings made during the rulemaking process:

- Proposed Rule Filing
- Final Proposed Filing
- Adopted Rule Filing
- Emergency Rule Filing

1. TITLE OF RULE FILING:

Vermont Groundwater Protection Rule and Strategy

2. ADOPTING AGENCY:

Agency of Natural Resources

3. PLEASE LIST THE STEPS THAT HAVE BEEN OR WILL BE TAKEN TO MAXIMIZE PUBLIC INVOLVEMENT IN THE DEVELOPMENT OF THE PROPOSED RULE:

The Agency has conducted a pre-rulemaking comment period based on the emergency rule that initially listed PFOA and PFOS as hazardous wastes. The Agency has created a response to those comments and plans to provide it to interested persons and post it on the website when the proposed rule is filed with the Secretary of State. The Agency plans to hold two public meetings, one in Bennington and another in Montpelier.

4. BEYOND GENERAL ADVERTISEMENTS, PLEASE LIST THE PEOPLE AND ORGANIZATIONS THAT HAVE BEEN OR WILL BE INVOLVED IN THE DEVELOPMENT OF THE PROPOSED RULE:

See above response.

Run Spell Check

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 Groundwater Protection Rule and Strategy

2. ADOPTING AGENCY:

Agency of Natural Resources

3. BRIEF EXPLANATION OF SCIENTIFIC INFORMATION:

The referenced scientific information supports the Agency of Natural Resources' determination that PFOA and PFOS are toxic, persist for an extended period in nature, cause and contribute to adverse chronic effects on the health of persons including being a suspected carcinogen.

4. CITATION OF SOURCE DOCUMENTATION OF SCIENTIFIC INFORMATION:

US EPA, Health Effects Support Document for Perfluorooctanoic Acid (PFOA), May 2016,
https://www.epa.gov/sites/production/files/2016-05/documents/pfoa_hesd_final_508.pdf

US EPA, US EPA, Health Effects Support Document for Perfluorooctane Sulfonate (PFOS), May 2016,
https://www.epa.gov/sites/production/files/2016-05/documents/pfos_hesd_final_508.pdf

Vermont Department of Health, Health Advisory for Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS), June 22, 2016,
https://anrweb.vt.gov/DEC/_DEC/PFOADocs.aspx

Vermont Department of Health, Memorandum on

Department of Health Drinking Water Guidance Values
- Derivation and Application, February 27, 2015.
https://anrweb.vt.gov/DEC/_DEC/PFOADocs.aspx

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

Materials are available on the web or are available
for review at the Agency of Natural Resources.

Run Spell Check