

General Pretreatment Permit for Non-Significant Industrial User Discharges to Publicly Owned Treatment Works

Appendix B

Spill Prevention & Control Plan

Purpose: An adequate Spill Prevention and Control Plan must contain the following:

1. Site Plan and Topographic Map:

A copy of the site plan and topographic map for the facility. It is permissible to use the most recent site plan and topographic map filed with the municipality.

2. Chemical Inventory:

A chemical inventory list of all toxic and hazardous substances and compounds stored at the facility that are used in the activities covered by this general permit and the associated wastewater treatment facility. The list shall indicate the name, CAS number, quantity stored, and any hazardous/toxic components of all substances and compounds.

3. Spill Prevention Equipment and Structures:

A description of all spill prevention equipment and structures employed including underground seepage protection, cathodic protection of underground tanks, leak detection equipment, liquid level sensing devices, alarms, collision protection, diversionary structures, dikes, berms, sealed drains, etc. All such equipment and structures shall be shown or referenced on the site plan required by element 1 of this appendix.

4. Storage Facilities and Spill Risk Evaluation:

A description of each facility used for the storage, collection, transfer, transport, treatment, loading or unloading of the substances listed in the plan as required by element 2 of this appendix and an evaluation of each facility's potential to generate a spill, leak, slug loading of pollutants or other unplanned release and the potential magnitude of such release. The evaluation shall include a description of how the spill control structures in the plan required by element 3 of this appendix will mitigate any such incident. At a minimum, the plan should provide that all areas in which toxic or hazardous substances, oils, process wastewaters, and solvents are stored be provided with impermeable containment that will hold at least the volume of the largest chemical container, or 10% of the total volume of all containers in the area, whichever is larger, without overflow from the containment area. In addition, no interior building floor drains shall be connected to any storm drainage system or any structure that may allow drainage to enter any exterior surface, unless such floor drain connection has been approved and permitted by DEEP.

5. Spill Prevention Procedures:

A description of spill prevention procedures including practices to ensure tanks are not overfilled, chemical transfer procedures, chemical disposal practices, security measures, and operation and maintenance procedures. Descriptions of the type and frequency of inspections and monitoring for leaks or other conditions that could lead to spills, leaks, slug loading of pollutants, or other unplanned releases shall be included in the plan.

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Appendix B

Spill Prevention & Control Plan

6. Emergency Response Equipment:

A list of available emergency response equipment at the site including a physical description of such equipment and its location. The location shall be indicated on the facility layout required by Appendix B of this general permit. The location shall also be clearly marked by signs visible from exit routes for the work areas associated with the activities covered by this general permit. The list of equipment shall include, at a minimum, the following:

- 6.1. Communication Equipment and Alarms
- 6.2. Spill Containment and Control Equipment and Tools
- 6.3. Spilled Material Storage Containers
- 6.4. Protective Clothing and Respirators
- 6.5. First Aid Kits
- 6.6. Decontamination Equipment
- 6.7. Ventilation Equipment

7. Spill Response Procedures:

A detailed description of procedures to be followed when responding to a spill, leak, slug loading of pollutants, or other unplanned releases at the facility. This description shall cover the following items:

- 7.1. Notification to Facility Personnel for Responding to Spills
- 7.2. Chain of Command for Spill Response
- 7.3. Evacuation Procedures and Routes
- 7.4. Notification to Response Agencies, Contractors, DEEP and each applicable local POTW Authority
- 7.5. Spill Assessment and Response Procedures
- 7.6. Procedures for Preventing Contact between Incompatible Materials
- 7.7. Procedures for Disposing or Treating Spilled Material

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Appendix B

Spill Prevention & Control Plan

8. Follow-up Reporting and Documentation:

A description of follow-up reporting and documentation procedures to be followed in the event of a spill, leak, slug loading of pollutants, or other unplanned releases at the facility. A copy of the forms used shall be included.

9. Employee Training Program:

A detailed outline of the training program or programs given to employees which will enable them to understand the processes and materials with which they are working, the safety and health hazards of such processes and materials, and the procedures and practices for preventing and responding to spills. A discussion of the appropriate training provided to each employee or group of employees should also be included in the plan.

10. Spill History:

A history of spills and leaks of five gallons or more of toxic or hazardous substances as defined in Section 22a-430-4 Appendix B and Appendix D of the Regs. Conn. State Agencies and 40 CFR 116.4, oil, and process wastewaters that occurred at the facility within the last three years. As applicable, include at a minimum, the following information:

- 10.1. Type and amount of substance spilled.
- 10.2. Location, date, and time of spill.
- 10.3. Watercourse, soil or ground water affected.
- 10.4. Cause of spill.
- 10.5. Action taken to prevent recurrence.