Pursuant to ch. 227, Wis. Stats., the Wisconsin Department of Natural Resources has finalized and hereby certifies the following guidance document.

<table>
<thead>
<tr>
<th>DOCUMENT ID</th>
<th>WA-19-1207-C</th>
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<tbody>
<tr>
<td>DOCUMENT TITLE</td>
<td>Management of Solvent-Contaminated Wipes</td>
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<tr>
<td>PROGRAM/BUREAU</td>
<td>Waste and Materials Management</td>
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<tr>
<td>STATUTORY AUTHORITY OR LEGAL CITATION</td>
<td>Ch. 291, Wis. Stats.; chs. NR 600-699, Wis. Adm. Code</td>
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<tr>
<td>DATE SENT TO LEGISLATIVE REFERENCE BUREAU (FOR PUBLIC COMMENTS)</td>
<td>September 23, 2019</td>
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<tr>
<td>DATE FINALIZED</td>
<td>October 16, 2019</td>
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<tr>
<td>DNR CERTIFICATION</td>
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I have reviewed this guidance document or proposed guidance document and I certify that it complies with sections 227.10 and 227.11 of the Wisconsin Statutes. I further certify that the guidance document or proposed guidance document contains no standard, requirement, or threshold that is not explicitly required or explicitly permitted by a statute or a rule that has been lawfully promulgated. I further certify that the guidance document or proposed guidance document contains no standard, requirement, or threshold that is more restrictive than a standard, requirement, or threshold contained in the Wisconsin Statutes.

Signature

Date

October 16, 2019
Introduction
Reusable and disposable wipes are commonly used by businesses and institutions to clean parts and equipment. Through use, the wipes become contaminated with solvents and other materials that could classify them as hazardous waste. This publication outlines the requirements for proper management and disposal of hazardous solvent-contaminated wipes.

Current Wisconsin rules allow, under certain conditions, for the exclusion of reusable solvent-contaminated wipes from solid waste regulation and for disposable solvent-contaminated wipes from hazardous waste regulation. The conditions are found in ss. NR 661.04(1)(z) and (2)(r), Wisc. Admin. Code, and they reflect the federal requirements of the Environmental Protection Agency (EPA) rule, Conditional Exclusions from Solid Waste and Hazardous Waste for Solvent-Contaminated Wipes.

A Solvent-Contaminated Wipes Exclusion Documentation Form is attached to this publication. This form is not mandatory, it is provided as an example to assist with meeting and documenting the federal conditional exclusion requirements.

What is a wipe and when is it eligible for the exclusion?

**Wipe** means a woven or non-woven shop towel, rag, pad or swab made of wood pulp, fabric, cotton, polyester blends or other materials. To be eligible for the exclusions, a solvent-contaminated wipe must meet one of the following criteria:

- A wipe that, after using or cleaning up a spill, contains one or more of the F001 to F005 solvents listed in s. NR 661.31 Wis. Adm. Code, or the corresponding P- or U-listed solvents in s. NR 661.33, or exhibits a hazardous characteristic found in subch. C. of ch. NR 661 when that characteristic results from a listed solvent, or
- A wipe that exhibits only the hazardous waste characteristic of ignitability found in s. NR 661.21 due to the presence of one or more non-listed solvents.

Solvent-contaminated wipes **not eligible** for the exclusion include:

- Wipes that contain listed hazardous waste other than solvents; or
- Wipes that exhibit the characteristic of toxicity, corrosivity or reactivity due to contaminants other than solvents; or
- Wipes contaminated with **trichloroethylene** that are designated for disposal.

These contaminated wipes **must** be managed as **hazardous waste**.
Management of reusable wipes

Eligible solvent-contaminated wipes that are sent for cleaning and reuse are excluded from solid waste regulation, provided they meet the conditions below when accumulated, stored, transported and cleaned. Generators of solvent-contaminated wipes sent to be cleaned by a commercial laundry or dry cleaner must meet the following conditions to be exempt under this guidance:

- Store in non-leaking, closed containers.
- Label all containers “Excluded Solvent-Contaminated Wipes”, when accumulating, storing and transporting wipes.
- Accumulate wipes for no more than 180 days before shipping offsite for laundering. The 180-day clock begins at the accumulation start date of for each container (i.e., the date the first solvent-contaminated wipe is placed in the container).
- Prior to transporting offsite, remove free liquids from the wipes, seal the container to prevent leaks or emissions and label. Methods that may be used to remove solvents include centrifuging, mechanical-wringing, screen-bottom drums and vacuum extraction. The extracted liquids must be managed as hazardous waste.
- Maintain records to confirm the wipes are being managed appropriately, including:
  1. The name and address of the commercial laundry receiving the wipes and documentation that the laundry has an approved wastewater treatment system or discharge permit;
  2. Document the 180-day accumulation limit is being met; and
  3. Document that there are no free liquids in the wipes before being sent offsite to be laundered, using Test Method 9095B (Paint Filter Liquids Test), EPA publication SW-846 or a comparable method.

Management of disposable wipes

Eligible solvent-contaminated wipes that can be sent for disposal are excluded from hazardous waste regulation provided they meet the conditions below when accumulated, stored, and transported for disposal. Generators may send eligible solvent-contaminated wipes offsite for disposal by one of the following methods:

- Store in non-leaking, closed containers.
- Label containers “Excluded Solvent-Contaminated Wipes”;
- Accumulate wipes for no more than 180 days before shipping offsite for disposal. The 180-day clock begins at the accumulation start date of for each container (i.e., the date the first solvent-contaminated wipe is placed in the container).
- Prior to transporting offsite, remove free liquids from the wipes, seal the container to prevent leaks or emissions and label. Methods that may be used to remove solvents include centrifuging, mechanical-wringing, screen-bottom drums and vacuum extraction. The extracted liquids must be managed as hazardous waste.
- Generators may dispose of the eligible solvent-contaminated wipes in a labeled, sealed, non-leaking bag by either:
  1. Placing the bag in their trash can or dumpster for shipment to a licensed or permitted solid waste landfill.
2. Hiring a solid waste transporter to deliver the labeled, sealed, non-leaking bag to a licensed or permitted municipal solid waste landfill, combustor, or incinerator.

- Maintain records to confirm the wipes are being managed appropriately, including:
  1. Extraction method used and verification there are no free liquids in the wipes before being sent offsite, using Test Method 9095B (Paint Filter Liquids Test), EPA publication SW-846 or a comparable method.
  2. The 180-day accumulation limit is being met; and
  3. The name and address of the disposal location.

**Note:** Excluded contaminated wipes must be prevented from mixing freely with other solid waste. Containers or bags of excluded solvent-contaminated wipes must be labeled when accumulating, storing and disposing. Labels can be pre-printed, or handwritten on stickers or duct tape, as long as they are legible.

A recommended best management practices would be to remove the air from the bag prior to sealing to prevent the bag from breaking open during transit or at the landfill. Bags can be sealed with duct tape or by twisting the top portion of the bag and folding it over in a goose neck before taping.

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### Resources for more information

Environmental Protection Agency (EPA) rule, Conditional Exclusions from Solid Waste and Hazardous Waste for Solvent-Contaminated Wipes:

EPA Test Method 9095B (Paint Filter Test), EPA publication SW-846:


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### DNR Contact Information

For more information on this subject, including other publications, staff contacts and administrative codes and statutes, search by topic or WA publication number at dnr.wi.gov, or contact Waste & Materials Management staff.

**Mailing address:** DNR Waste & Materials Management Program, PO Box 7921 Madison, WI 53707

**Email:** DNRWasteMaterials@Wisconsin.gov

**Disclaimer:** This document is intended solely as guidance and does not contain any mandatory requirements except where requirements found in statute or administrative rule are referenced. Any regulatory decisions made by the Department of Natural Resources in any matter addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.

**Equal Opportunity Employer and Americans with Disabilities Act Statement:** The Wisconsin Department of Natural Resources provides equal opportunity in its employment, programs, services, and functions under an Affirmative Action Plan. If you have any questions, please write to Chief, Public Civil Rights, Office of Civil Rights, U.S. Department of the Interior, 1849 C. Street, NW, Washington, D.C. 20240.

This publication is available in alternative format (large print, Braille, etc.) upon request. Please call 608-267-7490 / TTY Access via relay – 711.
Fill in the information and check the boxes that apply to your facility.

1. FACILITY INFORMATION
Facility name and address
_________________________________________________________________________________________

2. EPA ID # and WDNR Facility ID(FID) #
These are specific identification number per site address.
_________________________________________________________________________________________

3. MANAGEMENT METHOD
Check the appropriate box.

☐ Solvent-Contaminated Wipes that are being disposed

☐ Solvent-Contaminated Wipes that are being recycled or laundered

(Complete a separate form for each method.)

4. IDENTIFY YOUR SOLVENT
Identify the excluded solvents used with the wipes. For each type of solvent-contaminated wipe, indicate the evidence (product or process knowledge or analytical testing) used to make the exclusion determination.

<table>
<thead>
<tr>
<th>Solvent name</th>
<th>Waste Code (Ex. D001, F003, etc.) (Characteristic or Listed)</th>
<th>Knowledge or laboratory analysis¹</th>
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¹Samples must be analyzed by a Wisconsin-certified laboratory. Attach analytical results.
5. ACCUMULATION OF WIPES
Check the method that will be used to document that these wipes are accumulated for no longer than 180 days.

- A date is placed on each container.
- A contract is in place with a laundry facility scheduled to remove the wipes at regular intervals of less than 180 days. A copy of the contract (or invoices) is attached detailing pick-up schedule.
- Each collection container has a designated number and a log is kept of when each collection container is emptied into the storage container. Also recorded in the log is the date each storage container is removed from the site.
- Other:

6. PREPARATION FOR TRANSPORT
Explain the method and testing used to meet the “no free liquids” requirement. Possible methods include: mechanical wringing, vacuum extraction, centrifuging, or other equivalent method. Document that the “no free liquid” requirement was met.

**NOTE:** All extracted solvent must be managed as hazardous waste.

7. RECEIVING FACILITY
List the name and address of all handlers receiving the wipes, including transporters, laundries, dry cleaners, landfills, hazardous waste incinerators, solid waste combustors, or any other facility. Continue list on a separate page, if necessary.

**NOTE –** Laundry facility must have an approved wastewater treatment system or discharge permit to launder excluded solvent-contaminated wipes.

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip code</th>
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8. VERIFICATION
List the name and title of the person who completed this form.

<table>
<thead>
<tr>
<th>NAME(print)</th>
<th>TITLE</th>
<th>DATE</th>
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Note: This example documentation form is proved for general use by the WI DNR. It is not a required form. www.dnr.wi.gov