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| Image of different types of household hazardous waste bottles, including oil, gas can, insect spray and others. | **SOP 3.03 Treating Waste Materials: General guidance for HHW Programs** |

Treatment of hazardous materials at a Household Hazardous Waste (HHW) Facility may include evaporation, separation, solidification, or filtration processes to reduce or eliminate contaminants. Minnesota State Rules do not allow for on-site treatment of hazardous wastes (HW) without prior approval. Since wastewater treatment facilities have limited or no capacity to remove toxic contaminates, chemical solutions should not be sewered. The treatment of HW requires a designated person be appointed to oversee that process. For this Program, the name of the person(s) who will perform the treatment process is: [\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_].

# Treatment requiring prior approval

* Provided the State contract specified management methods are followed, the waste types below do not require a formal process approval from the State and can be comingled and shipped with other HHW:

Paints or adhesives

Aerosols

Solvents or fuels

Used oil or used oil filters

Antifreeze

Universal wastes

HW that does not exhibit the characteristics of or is not listed as a [HW under MN Rules](https://www.pca.state.mn.us/sites/default/files/w-hw2-04.pdf) specific management methods previously approved by the State for the Program.

* Treatment of hazardous waste is governed by the requirements established in the HHW Facility and State agency contract and [Minn. R. 7045.0320, subp. 5, item I](https://www.revisor.mn.gov/rules/7045.0320/#rule.7045.0320.5.I) and [subp. 6](https://www.revisor.mn.gov/rules/7045.0320/#rule.7045.0320.6), and [7045.0310, subp. 7](https://www.revisor.mn.gov/rules/7045.0310/#rule.7045.0310.7) and 7 C. Submit a request for approval from the State and/or proper licensing authority prior to this Program implementing HW treatment. The written notification shall include a detailed description of the treatment activity and an explanation of how human health, and the environment will be protected; see Attachment A of this SOP or see: <https://www.pca.state.mn.us/sites/default/files/w-hw1-06.pdf>

# Procedures for processing treated materials

* Following approval to treat wastes, staff shall establish a designated facility area to perform the treatment process to prevent the commingling of incompatible wastes.
* Ensure staff use personal protective equipment when treating HW using established facility protocol that is appropriate to the process.
* Solidifying waste (e.g., liquid non-regulated or water based) involves changing physical characteristics from liquid to solid. This process allows facility staff to solidify waste streams into a mixture that is either acceptable to be disposed of as regular mixed solid waste or comingled and shipped out as specified in the HHW Hazardous Categorization Training Manual.
* Update facility site safety and emergency contingency plans to accommodate hazards related to the proposed treatment activity. This Facility shall make agreements with all state emergency response teams to be used in case of an emergency and as outlined in the Facility Emergency Contingency Plan.
* Facility staff shall not treat unknown waste types and allow the state contracted HW disposal company to perform additional testing. Only designated and trained facility staff or an emergency contractor shall conduct any type of chemical testing if testing exceeds the capability of Facility staff.

# Attachment A: Application form for Approval of On-Site Treatment or Alternative Facility Management Method

### Please call 651-296-6300 or 800-657-3864 and ask for the MPCA HHW program staff. Submit form to HHW program staff for approval prior to beginning treatment process.

In accordance with Minn. R. 7034.0310 and the contract between the State and this HHW Program, please submit the following information to the State:

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| 1. HHW Program name:
 |       |
| 1. Facility location:
 |       |
| 1. Waste type to be treated:
 |       |
| 1. The notification information required in the Contract between the State of Minnesota and the County listed above for the Operation of a Household Hazardous Waste Management Program.
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| 1. The name of the designated person to oversee the proposed treatment process:
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| Contact name: |       |
| Title: |       |
| Phone number: |       |
| 1. Following preliminary approval of the proposed procedure, develop a specific County HHW health and safety plan and submit to the State as part of the approval process. Staff shall not perform any on-site treatment without final approval from the State. Specify in the plan:
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|  | * Detailed description of the proposed treatment or management activity (e.g., associated waste collection, storage, processing, transportation, disposal).
* How the process will be managed to minimize potential hazards associated with the procedure (e.g., chemical, physical, biological, ergonomic, safety, health).
* Attachment or modifications to site safety and emergency contingency plans to accommodate hazards related to the proposed treatment activity (e.g., ventilation, PPE, spill containment).
* Copies of all necessary approvals received from all pertinent county or state officials for treatment or processes which will generate a discharge or emission to air, land, or water.
* Documentation that the proposed treatment process complies with MN OSHA requirements and local fire and zoning ordinances.
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| 1. Within 60 days, the State shall notify the Program if more information is required or schedule a site visit, if needed.
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| 1. Within 90 days, the State shall notify Program of treatment decision.
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