



# Minnesota Pollution Control Agency

520 Lafayette Road North | St. Paul, Minnesota 55155-4194 | 651-296-6300

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## Solid Waste Management Facility Permit

**Permit:** SW-395

Henning Transfer Station/Demo Landfill

**Action:** PER006

In accordance with Minn. Stat. chs. 115, 115A, and 116, and Minn. R. chs. 7000, 7001, and 7035, the Minnesota Pollution Control Agency (MPCA) hereby issues this permit and authorizes the permittee(s) listed on the following page to construct and operate the Henning Transfer Station/Demo Landfill, SW-395 under the conditions set forth in this permit.

The facility consists of 40 acres located in: Township 133 N, Range 38 W, Section 36, Otter Tail County, in the MPCA Detroit Lakes Region. The facility includes the following waste activity area(s):

Demolition Debris Disposal Area	DD001
Solid Waste Storage Area	ST001
Solid Waste Transfer Area	TR001
Tire Storage Area	TS001
Yard Waste Composting Area	YC001

The determination to issue this permit is discretionary with the MPCA and was made subsequent to MPCA staff review of the permit application. The term commissioner, as used in this permit, refers to the MPCA Commissioner or MPCA personnel who have been delegated explicit authority by the commissioner. Other terms used in this permit are defined in Minnesota Statutes, the MPCA Solid Waste Management Rules, or specifically defined in this permit.

Permit Issuance Date: \_\_\_\_\_

Permit Expiration Date: \_\_\_\_\_

Permit Modified Date: \_\_\_\_\_

Minnesota Pollution Control Agency

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Paula J. Connell, P.E.

Supervisor, Solid Waste Permitting Unit

St. Paul Office

Resource Management & Assistance Division

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**Solid Waste Management Facility Permit**

Henning Transfer Station/Demo Landfill

**Permit:** SW-395

**Action:** PER006

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The following permittee(s) are authorized to construct and operate the Henning Transfer Station/Demo Landfill, SW-395 under the conditions set forth in this permit.

**Permittee Activity Owner:**

Otter Tail County

**Address:**

1115 N Tower Rd  
Fergus Falls, MN 56537

**Permittee Land Owner:**

Otter Tail County

**Address:**

1115 N Tower Rd  
Fergus Falls, MN 56537

**Permittee Operator:**

Otter Tail County

**Address:**

1115 N Tower Rd  
Fergus Falls, MN 56537

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## **1. TOTAL FACILITY**

### **1.1 General**

#### **1.1.1 Definitions**

- 1.1.2 "Airspace" means the volume for filling with waste, considering all solid waste, daily, intermediate, intermittent and final cover materials, and design restrictions.
- 1.1.3 "Class I Demolition Landfill" means an unlined demolition landfill that can only accept "Acceptable C & D Wastes," requires stringent screening of the waste that enters the facility, and may require a groundwater monitoring system based upon facility location, soil types and proximity to human and environmental receptors. A liner is not required at this facility.
- 1.1.4 "Commissioner" means the commissioner of the Minnesota Pollution Control Agency (MPCA) or any individual who is authorized to review and approve submittals on behalf of the commissioner.
- 1.1.5 "Design Capacity" means the maximum estimated potential airspace to be occupied by a land disposal facility, including all cover systems. "Design capacity" is used only for planning purposes and is distinct from permitted capacity. "Design capacity" is an estimate dependent on the existing landholdings of the permittee, existing regulations that affect development and design (including required buffer areas, stormwater management requirements, and slopes), engineering designs, and site developmental plans. It includes all areas that have been completed, all active areas, and all proposed areas based on the largest design footprint shown on the plan sheets. It is the volume that, upon final closure of the facility, would be occupied by waste (along with all associated materials including cover) measured from the base of the fill to the top of the proposed final cover.
- 1.1.6 "Facility" has the meaning given in Minn. R. 7035.0300, subp. 37.
- 1.1.7 "Permitted Capacity" means the total airspace volume in cubic yards allowed for disposal at the facility under the most recently issued permit. It includes airspace already filled by previous disposal activities, before the start of the permit; estimated fill volumes to be used during the ten-year term of the current permit, including cover systems; and may also include estimated fill volumes and cover systems that would be used during an additional "follow-on" period extending up to five years past the current permit's expiration date, provided that the permittee has submitted detailed engineering plans for the use and closure of that follow-on disposal space.
- 1.1.8 "Permittee" means the landowner, facility owner(s), and facility operator(s).
- 1.1.9 "Waste Activity" means the storage, processing, transfer, utilization, treatment, or disposal of solid waste and waste by-products.
- 1.1.10 "Waste Activity Area" means the land, structures, monitoring devices, and other appurtenances and improvements on the land associated with a waste activity.

#### **1.1.11 Waste Activities**

- 1.1.12 The facility waste activities authorized by this permit are limited to those activities described in the Waste Capacity Table of this permit.

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**TOTAL FACILITY**

**General**

**1.1.13 Permit Compliance**

- 1.1.14 The permittee shall keep the status of the permit current and up-to-date.
- 1.1.15 The permittee shall perform the actions or conduct the activity authorized by the permit in accordance with the plans and specifications approved by the agency, in accordance with all state and federal statutes, rules and regulations, and in compliance with the conditions of the permit.

**1.1.16 Facility History**

- 1.1.17 On July 12, 1991, the MPCA issued permit SW-395 to Otter Tail County (County) for the construction and operation of a demolition debris land disposal facility. The initial permit identified three phases of development and a permitted capacity of 61,900 cubic yards of debris and cover material. The permit was reissued on July 2, 1996. On March 31, 2003, the MPCA modified and reissued the permit authorizing an expansion of the permitted capacity to 148,600 cubic yards. The permittee has submitted an application requesting an expansion to the design capacity of 321,425 cubic yards.
- 1.1.18 On December 14, 1990, the MPCA issued permit SW-373 to the County for the construction and operation of a transfer station. The permit authorized the facility to manage up to 24 tons/days of mixed municipal solid waste (MSW) within a 70' x 40' transfer building. The permit was reissued on August 2, 1995, and again on August 18, 2000. An extended permit was granted to the County on June 27, 2006. With the reissuance of the permit on February 19, 2008, the transfer station permit was combined with the demolition landfill permit and permit SW-373 was revoked.

**1.1.19 General Facility Description**

- 1.1.20 The demolition debris disposal area occupies eight (8) acres along the south portion of the site. It is an unlined fill area to be developed in five phases for a design capacity of 321,425 cubic yards. Phase 1 has been completed with final cover. Much of Phase 2 has reached final elevations. Phase 3 was constructed in 2007 and is currently receiving waste. Phase 4 will likely be constructed in 2015 and Phase 5 in 2012 if there are no significant changes in the waste stream. As August 2012, there was 127,263 cubic yards of debris and cover material in place. This area is designated as DD001 under this permit.
- 1.1.21 The transfer station is located in the north central portion of the site. The transfer station is designed to manage up to 17,000 tons per year of mixed municipal solid waste (MSW) but is permitted for 5,000 tons per year. This waste activity is designated as TR001 under this permit.
- 1.1.22 The facility accepts scrap metal, appliances, lead acid batteries, electronic waste, concrete and asphalt shingles for temporary storage prior to recycling or disposal. This waste activity is designated as ST001 under this permit.
- 1.1.23 The facility accepts waste tires for temporary storage prior to recycling or disposal. This waste activity is designated as TS001 under this permit.

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**TOTAL FACILITY**

**General**

1.1.24 The facility accepts yard waste for composting on site. This waste activity is designated as YC001 under this permit.

**1.1.25 Location**

1.1.26 The facility authorized by this permit is located on 40 acres in Section 36, T133N, R38W, Henning Township, Otter Tail County, Minnesota. The facility address is:  
51122 Rocky Ridge Road  
Henning, Minnesota

**1.1.27 Required Notices**

1.1.28 The permittee must notify the MPCA before transferring ownership or operation of a solid waste management facility during its operating life or during postclosure care period in accordance with Minn. R. 7035.2535, subp. 2.

**1.2 Permit Documents**

**1.2.1 Approved Plans**

1.2.2 The approved plans and engineering documents are incorporated into this permit. In addition, once approved by the commissioner, the permittee shall comply with all submittals that are submitted in accordance with the terms of this permit. In all cases where the permit and the plans or submittals differ, the requirements of the permit shall govern over a condition in the plan or submittal. The approval by the commissioner of the plans and specifications shall not release the permittee from any present or subsequent requirements of statutes, rules, regulations, or ordinances.

**1.2.3 Permit Application**

1.2.4 The permit application approved by this permit is signed and dated August 20, 2012.

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**TOTAL FACILITY**

**Permit Documents**

**1.2.5 Engineering Documents**

1.2.6 The engineering documents approved by this permit include, but are not limited to:

1. Permit Renewal Report prepared by Foth dated August 2012, providing:

- Engineering Plans/Drawings
- Operations and Maintenance Manual
- Contingency Action Plan
- Closure/Postclosure Plan
- Cost Estimates
- Transfer Station Specific Information
- Technical Specifications

2. Response to technical comments received October 31, 2012, providing:

- Industrial Solid Waste Management Plan
- Revised Operations and Maintenance Plan
- Addition information for shingle and concrete recycling
- Base Grade Construction Quality Assurance/Quality Control Plan
- Updated Emergency Procedures Manual

**1.2.7 Hydrogeologic Evaluation Documents**

1.2.8 The hydrogeologic evaluation documents reviewed or approved by this permit include:

1. Monitoring Well Installation Work Plan dated November 13, 2007
2. Monitoring Well Completion Report dated July 31, 2012
3. Hydrogeologic Evaluation Form dated August 13, 2012

**1.2.9 Revised Plans**

1.2.10 Any revised plans shall be submitted for approval by the commissioner. The permittee shall obtain approval from the commissioner on all revised engineering plans prior to construction of the affected portion of the facility.

**1.3 Design and Construction Criteria**

**1.3.1 Location Standards**

1.3.2 The permittee may not locate, establish, or construct a solid waste management facility in areas designated in Minn. R. 7035.2555.

**1.3.3 Groundwater Quality, Surface Water Quality, Air Quality, and Soil Protection**

1.3.4 The permittee must construct the facility to prevent pollution of groundwater and surface water, minimize the contamination of soils from solid waste, and maintain the facility in conformance with MPCA air pollution control rules in accordance with Minn. R. 7035.2565. The permittee must design any proposed future expansions of the facility in accordance with this rule.

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**Design and Construction Criteria**

**1.3.5 Storage Standards**

- 1.3.6 The permittee must construct the waste activity area where solid waste is stored in accordance with Minn. R. 7035.2855 except as provided in, subp. 1 and Minn. R. 7035.2525, subp. 2.

**1.3.7 Stormwater Management System**

- 1.3.8 The permittee must construct the stormwater management system for the facility with Best Management Practices to manage stormwater discharge in accordance with the National Pollutant Discharge Elimination System/State Disposal System (NPDES/SDS) Permit for the discharge of stormwater associated with an industrial activity and/or a construction activity. The issuance of this permit does not release the permittee from the obligation to obtain an NPDES/SDS permit.

**1.3.9 Construction Plan**

- 1.3.10 The permittee must submit a construction plan to the commissioner for approval prior to construction if the construction plan proposes any major revisions to the approved design.

**1.3.11 Construction Notification**

- 1.3.12 The permittee must notify appropriate MPCA staff at least ten (10) working days in advance of the construction of the facility or any component thereof unless the commissioner orders otherwise.

**1.3.13 Construction Certification**

- 1.3.14 The permittee must submit a construction certification for approval by the commissioner in accordance with Minn. R. 7035.2610. A facility waste activity or any new design feature must not be placed into operation until the construction certification has been approved by the commissioner.

**1.3.15 Alterations and Additions**

- 1.3.16 The permittee shall not make any major alterations or additions to the facility that would materially alter the manner in which waste is managed without first obtaining the written consent of the commissioner.

**1.4 Operating and Maintenance Criteria**

**1.4.1 Trained / Certified Operator**

- 1.4.2 The permittee must ensure that the required number of operators, trained or certified under Minn. R. 7035.2545, 7035.2870, subp. 5, item B and Minn. R. 7048.0100 to 7048.1300, are present and on duty at all times that the facility is open for the purpose of receiving waste.

**1.4.3 Security**

- 1.4.4 The permittee must prevent unauthorized entry onto the facility in accordance with Minn. R. 7035.2535, subp. 3. In addition, the permittee shall post a sign at the entrance of the facility and each waste activity area showing the facility name, MPCA permit number, hours of operation, the acceptable waste, and any other relevant information.

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**TOTAL FACILITY**

**Operating and Maintenance Criteria**

**1.4.5 Personnel Training**

1.4.6 The permittee must establish and maintain a personnel training program consisting of classroom instruction and on-the-job training. The program must address the requirements identified in Minn. R. 7035.2545, subp. 3, and must include the specific training necessary to perform the tasks associated with each solid waste management area within the facility. The permittee must maintain a record of all personnel training and submit the dates of training in the annual report.

**1.4.7 Operations Manual**

1.4.8 The permittee must prepare and maintain an operations and maintenance manual for the facility. The manual must include operations and maintenance criteria that are specific to each solid waste management area within the facility.

**1.4.9 Roads**

1.4.10 The permittee must construct and maintain all-weather approach and access roads to all waste activity areas within the facility.

**1.4.11 Storage of Solid Waste**

1.4.12 The permittee must provide satisfactory storage for all solid waste accumulated at the facility in accordance with Minn. R. 7035.0700 and Minn. R. 7035.2855.

**1.4.13 Nuisance Conditions**

1.4.14 The permittee must keep the facility grounds and immediately adjacent property free of litter stemming from the facility operations. The facility grounds and adjacent property shall be inspected and cleared of all litter at least once per week.

1.4.15 The permittee must manage the facility to be in compliance with Minn. R. 7011.0150 to prevent particulate matter from becoming airborne.

1.4.16 The permittee must manage all free liquids that have come in contact with solid waste so that the liquids are not discharged as stormwater.

1.4.17 The permittee must provide effective measures to control flies, rodents and other insects or vermin as necessary.

**1.4.18 Collection and Transportation of Solid Waste**

1.4.19 The permittee must provide for the proper collection and transportation of solid waste in accordance with Minn. R. 7035.0800.

**1.4.20 Unacceptable Wastes**

1.4.21 The permittee must not accept the wastes identified in Minn. R. 7035.2535, subp. 1 for treatment, storage, processing, or disposal.

**1.4.22 Industrial Solid Waste**

1.4.23 The permittee must manage industrial solid waste for each waste activity as specified in the approved plan in accordance with Minn. R. 7035.2535, subp. 5. The permittee must include the information required by Minn. R. 7035.2575, subp. 2, items B and C in the annual report for each industrial waste accepted at the facility.



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**TOTAL FACILITY**

**Operating and Maintenance Criteria**

**1.4.24 Household Hazardous Waste**

- 1.4.25 The permittee must manage household hazardous waste management for each waste activity as specified in the approved plan in accordance with Minn. R. 7035.2535, subp. 6.

**1.4.26 Stormwater Management System**

- 1.4.27 The permittee must operate and maintain the stormwater management system for the facility with Best Management Practices to manage stormwater discharges in accordance with the National Pollutant Discharge Elimination System/State Disposal System (NPDES/SDS) Permit for the discharge of stormwater associated with an industrial activity and/or a construction activity.
- 1.4.28 In accordance with Minn. R. 7035.2825, subp. 9, item G, surface water drainage must be diverted around and away from the active portion of the disposal area.

**1.4.29 Groundwater Quality, Surface Water Quality, Air Quality, and Soil Protection**

- 1.4.30 The permittee must operate and maintain the facility to prevent pollution of groundwater and surface water, minimize the contamination of soils from solid waste, and maintain the facility in conformance with MPCA air pollution control rules in accordance with Minn. R. 7035.2565.

**1.4.31 Emergency Equipment**

- 1.4.32 The permittee must provide and maintain adequate emergency equipment at the facility to control accidental fires, and make arrangements with the local fire protection agency to immediately acquire their services when needed. The permittee must also provide adequate communications equipment for emergency purposes.

**1.4.33 Operating Record**

- 1.4.34 The permittee must keep a written operating record at the facility in accordance with Minn. R. 7035.2575.

**1.4.35 Self Inspections**

- 1.4.36 The permittee must inspect the facility in accordance with the schedule and items approved by the commissioner as defined by Minn. R. 7035.2535, subp. 4. The permittee must record inspections in an inspection log or summary and must keep these records for at least five years.

**1.4.37 Emergency Procedures Manual**

- 1.4.38 The permittee must maintain a copy of the approved emergency procedures manual at the facility for facility personnel to use in time of emergency.

**1.4.39 Contingency Action Plan**

- 1.4.40 The permittee must maintain a copy of the approved contingency action plan at the facility.

**1.4.41 Closure Plan**

- 1.4.42 The permittee must maintain a copy of the approved facility closure plan, and all revisions to the plan, at the facility until closure is completed and certified in accordance with Minn. R. 7035.2635.

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**TOTAL FACILITY**

**Operating and Maintenance Criteria**

**1.4.43 Postclosure Plan**

- 1.4.44 The permittee must maintain a copy of the approved postclosure care plan, and all subsequent amendments, until the postclosure care period begins. During the postclosure care period, the plan must be kept by the contact person identified in Minn. R. 7035.2645, subp. 2, item C.

**1.5 Reporting Criteria**

**1.5.1 Annual Facility Report**

- 1.5.2 The permittee must submit an annual facility report for the preceding calendar year in accordance with Minn. R. 7035.2585. When required of a waste activity, the report must include summary evaluation reports and specific annual reporting requirements. The permittee must submit the report to the commissioner according to the schedule in the Required Actions and Submittals Table(s) of this permit.

**1.5.3 Electronic Data Reporting**

- 1.5.4 The permittee must submit an electronic copy of all water quality monitoring data including groundwater, leachate and field data for each monitoring event. Electronic data must be submitted in the format outlined in the MPCA Solid Waste Program Electronic Laboratory Data Submittal Manual which can be found on the MPCA Solid Waste Permitting webpage at <http://www.pca.state.mn.us/waste/swpermits.html#data>. The schedule for submitting electronic copies of monitoring data shall follow the schedule outlined for monitoring reports as identified in the Required Actions and Submittals Table(s) of this permit.
- 1.5.5 The permittee must submit a paper copy of all water monitoring reports as outlined in the Required Actions and Submittals Table(s) of this permit unless otherwise specifically directed by the commissioner.

**1.5.6 Monitoring Station Location Information**

- 1.5.7 The permittee must collect location and elevation data for all monitoring points. Location data must be submitted in latitude/longitude coordinates and the datum used must be identified. Elevation data for monitoring wells must include the elevation of the riser pipe and ground surface. The depth of wells from the riser pipe must also be identified. If existing data is being reported the surveying method and datum used to collect this information must be identified.

**1.6 Contingency Action Criteria**

**1.6.1 Contingency Action Plan**

- 1.6.2 The permittee must address all facility waste activities as specified in the approved plans and specifications, and in accordance with Minn. R. 7035.2615.
- 1.6.3 If a fire occurs in the waste deposit area, the permittee shall immediately implement its contingency action plan to extinguish the fire.

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**Contingency Action Criteria**

1.6.4 Within 24 hours of discovery of the fire, the permittee must provide notice to the MPCA that a fire has occurred and that the contingency action plan has been implemented. If the permittee has not extinguished the fire within two weeks of notice, the permittee shall again notify the MPCA and shall provide the name of the professional engineer that their permittee has hired to develop a revised plan for further fire fighting efforts. The permittee must submit the revised plan to the MPCA for review and approval within 15 days of the notice to the MPCA that a revised plan is being prepared. To be approved, their revised plan must identify the action that will be taken to extinguish that fire, including sources for materials and equipment and a timeline for implementation, and must be signed by a registered professional engineer. The permittee must implement the revised plan upon approval by the MPCA.

**1.6.5 Contingency Action Procedures**

1.6.6 The permittee must implement the actions necessary to comply with the contingency action requirements in accordance with Minn. R. 7035.2615.

**1.6.7 Emergency Preparedness and Prevention**

1.6.8 The permittee must maintain and operate a facility to minimize the possibility of a fire, explosion, or any release to air, land, or water of pollutants that threaten human health or the environment in accordance with Minn. R. 7035.2595.

**1.6.9 Emergency Procedures**

1.6.10 The permittee must take all reasonable containment measures during an emergency and submit a written report to the commissioner in accordance with Minn. R. 7035.2605.

**1.7 Closure Criteria**

**1.7.1 Facility Closure**

1.7.2 The permittee must close each waste activity, or the entire facility as appropriate, as specified in the approved plans and specifications, and in accordance with Minn. R. 7035.2625.

**1.7.3 Closure Procedures**

1.7.4 The permittee must perform closure for each waste activity as specified in the approved plans and specifications, and in accordance with Minn. R. 7035.2635.

1.7.5 The permittee must complete closure activities for the waste activity area in accordance with the closure plan within 180 days following the beginning of closure as specified in the closure procedures above.

**1.8 Postclosure Criteria**

**1.8.1 Postclosure Plan**

1.8.2 The permittee must comply with postclosure requirements as specified in the approved plans and specifications, and in accordance with Minn. R. 7035.2645.

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**TOTAL FACILITY**

**Postclosure Criteria**

**1.8.3 Postclosure Care**

1.8.4 The permittee must perform postclosure care for each waste activity as specified in the approved plans and specifications, and in accordance with Minn. R. 7035.2655, subp. 1.

**1.8.5 Postclosure Use of Property**

1.8.6 The permittee must comply with postclosure use of property requirements in accordance with Minn. R. 7035.2655, subp. 2.

**1.9 Financial Criteria**

**1.9.1 Cost Estimates**

1.9.2 The permittee must keep the current cost estimates for each waste activity at the facility during the operating life in accordance with Minn. R. 7035.2685, subp. 2.

**1.10 General Conditions**

**1.10.1 Release**

1.10.2 The MPCA's issuance of a permit does not release the permittee from any liability, penalty, or duty imposed by Minnesota or federal statutes, or regulations, or local ordinances including, but not limited to, those promulgated pursuant to Minn. Stat. chs. 115, 115A, 116, 400 and 473. This permit shall be permissive only and shall not be construed as estopping or limiting any claims against the permittee, its agents, contractors, or assigns, nor as estopping or limiting any legal claims of the state against the permittee, its agents, contractors, or assigns for damages to state property, or for any violation of the terms of this permit.

**1.10.3 Future Changes**

1.10.4 The MPCA's issuance of a permit does not prevent the future adoption by the MPCA of pollution control rules, standards, or enforcement orders more stringent than those now in existence and does not prevent the enforcement of these rules, standards, or enforcement orders against the permittee.

**1.10.5 Rights and Privilege**

1.10.6 The permit does not convey a property right or an exclusive privilege.

**1.10.7 Enforcement**

1.10.8 The MPCA's issuance of a permit does not obligate the MPCA to enforce local laws, rules or plans beyond that authorized by Minnesota Statutes.

**1.10.9 Performance**

1.10.10 The permittee shall perform the actions or conduct the activity authorized by the permit in accordance with the submittals and specifications approved by the MPCA and in compliance with the conditions of the permit.

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**TOTAL FACILITY**

**General Conditions**

**1.10.11 Operation and Maintenance**

1.10.12 The permittee shall at all times properly operate and maintain the facilities and systems of treatment and control and the appurtenances related to them which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. The permittee shall install and maintain appropriate backup or auxiliary facilities if they are necessary to achieve compliance with the conditions of the permit and, for all permits other than hazardous waste facility permits, if these backup or auxiliary facilities are technically and economically feasible.

**1.10.13 Honesty**

1.10.14 The permittee may not knowingly make a false or misleading statement, representation, or certification in a record, report, plan, or other document required to be submitted to the MPCA or the commissioner by the permit. The permittee shall immediately upon discovery report to the commissioner an error or omission in these records, reports, submittals or other documents.

**1.10.15 Timely Information Submittal**

1.10.16 The permittee shall, when requested by the commissioner, submit within a reasonable time the information and reports that are relevant to the control of pollution regarding the construction, modification, or operation of the facility covered by the permit or regarding the conduct of the activity covered by the permit.

**1.10.17 Access**

1.10.18 When authorized by Minn. Stat. 115.04, 115B.17, subd. 4 and 116.091, and upon presentation of proper credentials, the MPCA, or an authorized employee or agent of the MPCA, shall be allowed by the permittee to enter at reasonable times upon the property of the permittee to examine and copy books, papers, records, or memoranda pertaining to the construction, modification, or operation of the facility covered by the permit or pertaining to the activity covered by the permit; and to conduct surveys and investigations, including sampling or monitoring, pertaining to the construction, modification, or operation of the facility covered by the permit or pertaining to the activity covered by the permit.

**1.10.19 Discovery of Noncompliance**

1.10.20 If the permittee discovers, through any means, including notification by the MPCA, that noncompliance with a condition of the permit has occurred, the permittee shall take all reasonable steps to minimize the adverse impacts on human health, public drinking water supplies, or the environment resulting from the noncompliance.

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**TOTAL FACILITY**

**General Conditions**

**1.10.21 Notification of Noncompliance Involving an Imminent Threat**

1.10.22 If the permittee discovers that noncompliance with a condition of the permit has occurred which could endanger human health, public drinking water supplies, or the environment, the permittee shall, within 24 hours of the discovery of the noncompliance, orally notify the commissioner. Within five (5) days of the discovery of the noncompliance, the permittee shall submit to the commissioner a written description of the noncompliance; the cause of the noncompliance; the exact dates of the period of the noncompliance; if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

**1.10.23 Reporting of Noncompliance**

1.10.24 The permittee shall report noncompliance with the permit not reported in the Notification of Noncompliance subheading above by submitting the information listed in Notification of Noncompliance within 30 days of the discovery of the noncompliance.

**1.10.25 Alterations**

1.10.26 The permittee shall give advance notice to the commissioner as soon as possible of planned physical alterations or additions to the permitted facility or activity that may result in noncompliance with a Minnesota or federal pollution control statute or rule or condition of the permit.

**1.10.27 Transferability**

1.10.28 The permit is not transferable to any person without the express written approval of the MPCA after compliance with the requirements of Minn. R. 7001.0190. A person to whom the permit has been transferred shall comply with the conditions of the permit.

**1.10.29 Responsibility for Damage**

1.10.30 The permit authorizes the permittee to perform the activities described in the permit under the conditions of the permit. In issuing the permit, the state and MPCA assume no responsibility for damage to persons, property, or the environment caused by the activities of the permittee in the conduct of its actions, including those activities authorized, directed, or undertaken under the permit. To the extent the state and MPCA may be liable for the activities of its employees, that liability is explicitly limited to that provided in the Tort Claims Act, Minn. Stat. 3.736.

**1.10.31 Modifying or Revoking Permit**

1.10.32 The commissioner may commence proceedings to modify or revoke this permit during its terms if cause exists under Minn. R. 7001.0170 to 7001.0180.

**1.10.33 Severability**

1.10.34 The provisions of this permit are severable. If any provision of this permit is held invalid, the remainder of this permit shall not be affected.

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**TOTAL FACILITY**

**General Conditions**

**1.10.35 Extensions**

- 1.10.36 The permittee may request an extension of the dates set forth in this permit including the submittal and monitoring dates. The request must include justification for requesting the extension of the date. Based on the justification, the commissioner may grant an extension.

**1.10.37 Term of Permit**

- 1.10.38 This permit is valid until the expiration date unless revoked or modified by the MPCA pursuant to Minn. R. 7001.0170 to 7001.0180. To allow for adequate MPCA review time and to avoid possible termination of the permit at the time the permit expires, an application for reissuance of the permit must be submitted no later than 180 calendar days before the expiration date of the permit.
- 1.10.39 To allow for adequate MPCA review time and to avoid possible termination of the permit at the time the permit expires, an application for reissuance of the permit must be submitted to the Commissioner no later than 180 calendar days before the expiration date of the permit.

**1.10.40 Retention of Records**

- 1.10.41 The permittee must maintain records of all groundwater monitoring data and groundwater surface elevations for the active life of the facility and each waste activity and, for disposal activities, for the postclosure care period. The permittee must also maintain an operating record in accordance with Minn. R. 7035.2575 until closure of each waste activity at the facility.

**1.10.42 As-built Plans**

- 1.10.43 The permittee may not start treatment, storage, or disposal of solid waste in a new solid waste management facility or in a modified portion of an existing solid waste management facility until the commissioner has received a letter and as-built plans signed by the owner or operator and by an engineer registered in Minnesota certifying that the facility or modified portion of the facility has been constructed in compliance with the conditions of the permit.

**1.10.44 Construction Certification**

- 1.10.45 The permittee may not start treatment, storage, or disposal of solid waste in a new solid waste management facility or in a modified portion of an existing solid waste management facility until the commissioner has inspected the new facility or modified portion of the facility and has provided the owner or operator with a letter stating that the certification submitted is complete and approved.

**1.10.46 Financial Assurance**

- 1.10.47 The permittee may not start treatment, storage, or disposal of solid waste in a new solid waste management facility or in a modified portion of an existing solid waste management facility until the commissioner has approved the financial assurance amount and instrument to be used for the facility in accordance with Minn. R. 7035.2665 to 7035.2805.

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## **2. DEMOLITION DEBRIS DISPOSAL AREA DD 001**

### **2.1 Design and Construction Criteria**

#### **2.1.1 Location Standards**

2.1.2 The permittee must not locate any proposed future expansion of the facility disposal area in an area with active karst features including sinkholes, disappearing streams, and caves; or where the topography, geology, or soil is inadequate for protection of ground or surface water.

#### **2.1.3 Construction Requirements**

2.1.4 The permittee must construct the phases, cells and water monitoring system of the demolition landfill in accordance with the approved plans and specifications.

#### **2.1.5 Design Requirements**

2.1.6 The permittee must design any proposed future expansions or modifications of the demolition debris disposal area in accordance with the design requirements outlined in Minn. R. 7035.2825, subp. 8.

#### **2.1.7 Cover Design**

2.1.8 The permittee must design any proposed future expansions of the facility to include, at a minimum, the cover system requirements found in Minn. R. 7035.2825, subp. 11.

#### **2.1.9 Water Monitoring Systems**

2.1.10 The permittee must design and install a water monitoring system in compliance with Minn. R. 7035.2815, subp. 10.

### **2.2 Operating and Maintenance Criteria**

#### **2.2.1 Facility Classification**

2.2.2 In accordance with the definitions identified in this permit, this landfill is a Class I Demolition Landfill. This landfill may only accept "Acceptable Wastes" as listed below.



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**DEMOLITION DEBRIS DISPOSAL AREA DD 001**

**Operating and Maintenance Criteria**

**2.2.3 Acceptable Wastes**

2.2.4 The permittee shall accept only the wastes listed as "acceptable C & D wastes" for disposal. Acceptable C&D wastes includes:

Bituminous concrete (includes asphalt pavement and blacktop); concrete (including rerod); stone; tree stumps; root balls; uncontaminated soil; masonry (bricks, stucco and plaster); untreated wood (including painted, stained and/or varnished dimensional lumber, pallets, particle board, plywood, fencing and dock materials); siding (includes vinyl, masonite, untreated wood, aluminum and steel); wall coverings; electrical wiring and components; roofing materials; duct work; wall board and sheetrock; built-in cabinetry; plumbing fixtures; affixed carpet and padding; ceramic items; conduit and pipe; glass (limited to window and door glass from buildings and structures); insulation (includes fiberglass, mineral wool, cellulose, polystyrene and newspaper); plastic building parts; sheathing; molded fiberglass; rubber; drain tile; recognizable portions of burned structures; metal; ceiling tile; wood and vinyl flooring; and asbestos containing materials (ACM) pursuant to an approved Industrial Solid Waste Management Plan (ISWMP).

**2.2.5 Non-acceptable Wastes**

2.2.6 The following non-acceptable or prohibited wastes are materials that are chemically or biologically active and which have a high potential to leach chemical constituents or to generate gas. These wastes include, but are not limited to the following:

Adhesives (including applicators, containers, tubes); agricultural chemicals or containers; animal carcasses, parts or rendering and slaughterhouse wastes; appliances (including white goods and brown goods); ashes or wastes that could spontaneously combust or ignite other wastes due to high temperatures; batteries; caulking (including applicators, containers, tubes); recyclable cardboard; rolls of carpeting and padding; chemical containers; epoxy (including applicators, containers, tubes); fluorescent tubes and ballasts; food waste; glue (including applicators, containers, tubes); hazardous waste; high-intensity discharge lamps; household refuse or garbage; infectious waste; liquids (any type); machinery or engine parts; medical waste; mercury containing waste (thermostats, switches); paints, thinners, solvents, varnishes (including applicators, brushes, cans, containers, filters, dust collectors); lead based paint that is not adhered to the substrate; PCB containing waste; pesticide containers; petroleum products, containers or filters (including oil, grease, fuel); radioactive waste; resins - epoxy or fiberglass (including applicators, containers, tubes); sandblasting waste; sealants (including applicators, containers, tubes); septic tank pumpings; tar (including applicators, containers, tubes); tires; treated lumber (including decking, railroad ties, etc.); vehicles; and yard waste. This list is NOT all-inclusive.

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**DEMOLITION DEBRIS DISPOSAL AREA DD 001**

**Operating and Maintenance Criteria**

**2.2.7 Setback from Property Line**

2.2.8 The permittee must maintain a minimum separation distance of 50 feet between the property line and the area where waste has been placed within the landfill.

**2.2.9 Attenuation Zone**

2.2.10 The permittee must maintain a minimum separation distance of five (5) feet between the base grade of each landfill cell, as identified in the approved plans, and the seasonal high water table.

**2.2.11 Run-on/Run-off Control System**

2.2.12 The permittee must maintain a run-on control system to prevent flow onto the waste activity area, and a run-off control system to collect and control at least the water volume resulting from a 24-hour, 10-year storm.

**2.2.13 Phase Development**

2.2.14 The permittee must develop the site in phases in accordance with the approved plans. Each phase must provide for filling in a manner to achieve final waste elevations as rapidly as possible. The phases must be designed and constructed to minimize moisture infiltration into the fill areas while maintaining stable slopes and appropriate operating conditions. The permittee must consider seasonal phases in order to accommodate the differences between wet and dry and warm and cold weather operations. The permittee must bring each phase to the final waste contours as shown on the approved phase development plans and close the phase according to the approved facility closure plan.

**2.2.15 Staking of Fill Phases**

2.2.16 The permittee must stake each fill phase of the landfill to establish the horizontal and vertical limits of the permitted area.

**2.2.17 Waste Screening**

2.2.18 The permittee must establish a Waste Screening Area (WSA) at the landfill, and must separate the WSA from the active working face. The WSA must be located within 50 feet of the active working face, and must be delineated by physical barriers such as logs, chains or cones.

2.2.19 The permittee must pre-inspect each load before it enters the waste disposal area. Loads containing large quantities of unacceptable materials should be diverted to another waste facility authorized to accept those materials. Loads that are allowed to enter the waste disposal area must be unloaded in the established WSA for the removal of unacceptable material prior to the placement of the waste in the working face for spreading and compaction. Unacceptable materials must be stored appropriately and transferred to an appropriate disposal facility at least once per week.

2.2.20 The use of a WSA is not required if the permittee knows that the waste in the load has been screened for unacceptable materials at the point of generation or transfer. Direct disposal into the working face of the landfill is at the risk of the permittee. Unacceptable material found in the active working face will be considered to have been "accepted" by the facility.

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**DEMOLITION DEBRIS DISPOSAL AREA DD 001**

**Operating and Maintenance Criteria**

**2.2.21 Spreading and Compaction**

2.2.22 The permittee must limit the disposal of wastes to as small an area as practical and must utilize appropriate equipment to confine wind-blown material within the area.

2.2.23 The permittee must spread all wastes to allow for adequate compaction, and must compact all wastes with a maximum three-to-one slope to reduce voids and airspaces within the landfill and to achieve maximum compaction.

**2.2.24 Monthly Cover**

2.2.25 The permittee must completely cover all waste on a monthly basis at a minimum.

**2.2.26 Cover Material Stockpile**

2.2.27 The permittee must maintain suitable cover material at the site. If suitable cover is not available on-site, cover material must be delivered to and stockpiled at the site.

**2.2.28 Final Cover**

2.2.29 The permittee must maintain the final cover system on all closed portions of the active waste disposal area in accordance with the approved plans and specifications.

**2.2.30 Water Monitoring System Maintenance**

2.2.31 The permittee must maintain the integrity and functionality of the water monitoring network. The permittee must maintain a water monitoring system in compliance with Minn. R. 7035.2815, subp. 10.

**2.3 Monitoring Criteria**

**2.3.1 Water Quality Monitoring**

2.3.2 As outlined in Minn. R. 7035.2825, subp. 12, the commissioner may require water quality monitoring for the disposal area.

**2.3.3 Groundwater Performance Standards**

2.3.4 The permittee must design, construct, operate, and maintain the disposal area to achieve compliance with the analytical limits set forth in the Limits Table(s) of this permit. These limits are based upon the Minnesota Department of Health, Health Risk Limits (HRL), Health-Based Values (HBV), Risk Assessment Advice (RAA), and Maximum Contaminate Level (MCL) and replace the standards listed in Minn. R. 7035.2815, subp. 4, item F, as provided for in Minn. R. 7035.2815, subp. 4, item H.

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**DEMOLITION DEBRIS DISPOSAL AREA DD 001**

**Monitoring Criteria**

**2.3.5 Compliance Boundary**

2.3.6 The permittee must establish compliance boundaries according to Minn. R. 7035.2815, subp. 4, items A through E.

**2.3.7 Background Water Quality Monitoring**

2.3.8 The permittee must determine the initial water quality in new monitoring points and monitoring systems, and perform background monitoring as specified in the approved plans and specifications, and in accordance with Minn. R. 7035.2815, subp. 14, item E.

**2.3.9 Monitoring Protocol**

2.3.10 The permittee must develop and keep current a written monitoring protocol for the disposal area as specified in the approved plans and specifications, and in accordance with Minn. R. 7035.2815, subp. 14, item G. The permittee must ensure the protocol is followed during sampling and sample analysis.

**2.3.11 Groundwater Quality Sampling and Analysis**

2.3.12 The permittee must conduct groundwater quality sampling and analysis as specified in the plan identified in the approved plans and specifications, and in accordance with Minn. R. 7035.2815 subp. 14 and must include the monitoring stations identified in the Limits Table(s) of this permit. The permittee must conduct the sampling in accordance with the schedule shown in the Limits Table(s) of this permit.

**2.3.13 Exceedence of Intervention Limit**

2.3.14 The permittee must take the actions listed in Minn. R. 7035.2815, subp. 4, item G if an intervention limit established in this permit is exceeded.

**2.4 Reporting Criteria**

**2.4.1 Routine Monitoring Reporting**

2.4.2 The permittee shall submit routine monitoring results to the commissioner by the dates specified in the Required Actions and Submittals Table(s) of this permit. The monitoring results must be accompanied by information sufficient to establish the reliability, precision, and accuracy of the reported values, including the requirements of Minn. R. 7035.2815, subp. 14, item P.

**2.4.3 Annual Monitoring Evaluation**

2.4.4 The permittee shall submit an annual water monitoring evaluation report in accordance with Minn. R. 7035.2585 and 7035.2815, subp. 14, item Q. The permittee shall submit the report to the commissioner, as part of the annual facility report, according to the schedule in the Required Actions and Submittals Table(s) of this permit.

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**DEMOLITION DEBRIS DISPOSAL AREA DD 001**

**2.5 Postclosure Criteria**

**2.5.1 Postclosure Care**

2.5.2 The post-closure care period shall be a minimum of twenty years starting on the date the commissioner approves the facility's final closure certification report.

**2.6 Financial Criteria**

**2.6.1 Financial Assurance**

2.6.2 As outlined in Minn. R. 7035.2825, subp. 13, the commissioner may require the permittee to obtain financial assurance for the proper operation, closure, postclosure care, and corrective actions at the disposal area.

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### **3. SOLID WASTE STORAGE AREA ST 001**

#### **3.1 Design and Construction Criteria**

##### **3.1.1 Construction Requirements**

3.1.2 The permittee must construct the solid waste storage area in accordance with the approved plans and specifications.

##### **3.1.3 Design Requirements**

3.1.4 The permittee must design any proposed future expansions or modifications of the solid waste storage area in accordance with the location standards and design requirements outlined in Minn. R. 7035.2855, subp. 2.

#### **3.2 Operating and Maintenance Criteria**

##### **3.2.1 Surface Water Management**

3.2.2 The permittee must operate and maintain a run-on control system capable of preventing flow onto the storage area. The permittee must also operate and maintain a stormwater management system capable of collecting and controlling run-off from the storage area. Both run-on and run-off systems must be capable of controlling at least the water volume resulting from a 24 hour, ten year storm.

#### **3.3 Closure Criteria**

##### **3.3.1 Closure**

3.3.2 The permittee must properly remove and dispose of or recycle all solid waste and contaminated portions of the storage area accordance with Minn. R. 7035.2855, subp. 6 upon closure of the area.

#### **3.4 Specific Conditions**

##### **3.4.1 Major Appliances**

3.4.2 The permittee must provide a separate storage area for the transfer of major appliances, as defined in Minn. Stat. 115A.03, such that damage to the units is minimized during handling. The permittee must ensure that the proper removal of hazardous components and refrigerant gases is performed by a certified appliance processor. The permittee must transfer all appliances off-site at least annually, with the number of appliances recycled and the destination included in the annual report.

##### **3.4.3 Lead Acid Batteries**

3.4.4 The permittee must provide a storage area for lead acid batteries such that damage to the units is minimized during handling. The storage area must include a secondary containment device to contain any releases.

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**SOLID WASTE STORAGE AREA ST 001**

**Specific Conditions**

**3.4.5 Electronics**

3.4.6 The permittee must provide a separate storage area for the storage and transfer of electronics. As used in this permit, "electronics" includes but is not limited to televisions, computer monitors, computers, microwaves, and other devices that have wiring, circuitry, circuit boards, batteries, and other similar components. The permittee shall store and manage electronics indoors and in a manner that prevents damage and the release of hazardous components. The permittee must transport electronics stored at the Facility off-site for recycling or disposal at an appropriate facility at least annually and the permittee shall note the volume and the destination in the annual report.

**3.4.7 Scrap Metal**

3.4.8 The permittee must provide a separate storage area for the storage of scrap metal. The permittee must manage all scrap metal within the designated area on site.

**3.4.9 Concrete**

3.4.10 The permittee may provide a separate storage area for the storage of concrete. If the permittee elects to store concrete in a separate area, the permittee must crush the concrete on a regular basis, not to exceed three years.

**3.4.11 Asphalt Shingles**

3.4.12 The permittee may provide a separate storage area for the storage of asphalt shingles prior to recycling. If the permittee elects to store asphalt shingles in a separate area, the permittee must shred the shingles on a regular basis, not to exceed three years.

3.4.13 Asphalt shingles collect for recycling may contain asbestos. Asbestos sampling must be done in accordance with the approved sampling protocol.

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#### **4. SOLID WASTE TRANSFER AREA TR 001**

##### **4.1 Design and Construction Criteria**

###### **4.1.1 Construction Requirements**

4.1.2 The permittee must construct the solid waste transfer area in accordance with the approved plans and specifications.

###### **4.1.3 Design Requirements**

4.1.4 The permittee must design any proposed future expansions or modifications of the solid waste transfer area in accordance with the design requirements outlined in Minn. R. 7035.2870, subp. 4.

##### **4.2 Operating and Maintenance Criteria**

###### **4.2.1 Delivery of Solid Waste**

4.2.2 The permittee must transport all solid waste that is received at the facility, to a solid waste disposal or recycling facility that has been permitted to accept such waste by the appropriate regulatory agency.

###### **4.2.3 Facility Operations**

4.2.4 The permittee must operate the transfer area in accordance with the approved operating and maintenance manual, and in accordance with Minn. R. 7035.2870, subp. 5.

4.2.5 The permittee must keep the facility doors closed to minimize odors, dust, noise and litter except when vehicles are expected to be entering or leaving the facility.

4.2.6 The permittee must keep roads, gates, doors, and tipping floor areas clear of obstructions at all times.

4.2.7 The permittee must confine all solid waste within the tipping floor area or other designated processing or storage area.

###### **4.2.8 Facility Maintenance**

4.2.9 The permittee must maintain the facility and all equipment in good working condition.

4.2.10 The permittee must clear the tipping floor and storage areas of waste, and clean the areas at least once every seven days.

4.2.11 The permittee must clean all traps of waste each time the facility tipping floors and storage areas are cleaned.

4.2.12 The permittee must remove liquids from the facility's sump before reaching capacity, or more often as necessary to prevent odors.

###### **4.2.13 Storage Requirements**

4.2.14 The permittee must transfer or store all industrial waste or mixed municipal solid waste at the facility in (1) a completely enclosed structure, (2) containers constructed of impervious materials and designed to prevent leakage, or (3) in a designated solid waste storage area meeting the storage standards of Minn. R. 7035.2855.

4.2.15 The permittee must containerize or store all separated salvageable and recyclable materials in a designated area. The permittee must remove all separated salvageable and recyclable materials from the facility when the capacity of the container or designated area is reached.



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**SOLID WASTE TRANSFER AREA TR 001**

**Operating and Maintenance Criteria**

- 4.2.16 The permittee must manage all putrescible waste remaining at the facility at the end of the working day. The remaining putrescible waste must be: (1) properly disposed of, (2) stored in an enclosed structure, or (3) stored in containers constructed of impervious materials and designed to prevent leakage and to prevent precipitation, insects, and other vectors from coming in contact with the waste.

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## **5. TIRE STORAGE AREA TS 001**

### **5.1 Specific Conditions**

#### **5.1.1 Tires**

5.1.2 The permittee shall provide a storage area for the collection of waste tires to be removed by a licensed tire hauler. No more than 3,000 passenger tire equivalents (PTEs) may be stored at the facility. The permittee shall include the number of tires transferred, and the licensed hauler's MPCA transporter identification number, in the facility's annual report.

#### **5.1.3 Storage Area / Debris**

5.1.4 A waste tire storage area must be designated. Only waste tires may be stored in the designated waste tire storage area. This area must be maintained free of vegetation.

#### **5.1.5 Fire Hazards**

5.1.6 No operations involving the use of open flames, blow torches, or highly flammable substances must be conducted within 50 feet of a waste tire pile.

#### **5.1.7 Area and Height Requirements**

5.1.8 No waste tire pile must have an area greater than 5,000 square feet or a vertical height greater than 10 feet.

#### **5.1.9 Fire Lanes**

5.1.10 A 50-foot fire lane must be placed around the perimeter of each waste tire pile. Access to the fire lane for emergency vehicles must be unobstructed at all times. The fire lane must be maintained free of rubbish and vegetation at all times.

#### **5.1.11 Rodent and Mosquito Control**

5.1.12 All tire piles must be maintained free of mosquitoes and rodents.

#### **5.1.13 Surface Water Drainage**

5.1.14 Surface water drainage must be diverted around and away from the waste tire storage area.

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## **6. YARD WASTE COMPOSTING AREA YC 001**

### **6.1 Operating and Maintenance Criteria**

#### **6.1.1 Notification Requirements**

6.1.2 The permittee of a yard waste compost facility shall submit a notification form to the commissioner before beginning facility operations in accordance with Minn. R. 7035.2836, subp. 2. The notification must include: the facility location; the name, phone number and address of the contact person; the facility design capacity; the type of yard waste to be received; and the intended distribution of the final product.

#### **6.1.3 Compost Turning**

6.1.4 The permittee must turn all yard waste on a periodic basis to aerate the yard waste, maintain temperatures, reduce pathogens and reduce odors.

#### **6.1.5 Inert Materials**

6.1.6 The finished compost must not contain greater than three percent inert materials (dry weight) that are greater than or equal to four millimeters as determined by the testing procedures under Minn. R. 7035.2836, subp. 5, item J, subitem (3).

#### **6.1.7 By-product Storage**

6.1.8 The permittee must store all by-products, including residuals and recyclables, in a manner that prevents vector intrusion and aesthetic degradation. The permittee must store and remove all materials that are not composted on a weekly basis.

#### **6.1.9 Surface Water**

6.1.10 The permittee must divert surface water run-on around and away from the compost and storage areas.

6.1.11 The permittee must operate the yard waste composting area to control surface water run-off and prevent leachate from leaving the facility. The permittee must prevent the discharge of leachate, yard waste, residuals and the final product into waters of the state.

### **6.2 Reporting Criteria**

#### **6.2.1 Annual Report**

6.2.2 The permittee must submit an annual report to the commissioner by March 1 of each year for the preceding calendar year that includes the type and quantity, by weight or volume, of yard waste received at the compost facility; the quantity, by weight or volume, of compost produced; and average of the inert test results; the quantity, by weight or volume, of compost removed from the facility; and a market description.

# LIMITS TABLE

Comments:

Report Date: 01/11/2013

Facility: Henning Transfer Station/Demo Landfill

Permit SW-395

Standard Landfill Monitoring Periods:

Spring: Mar-28 to Apr-28

Summer: Jul-01 to Aug-07

Fall: Oct-14 to Nov-14

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This Limits Table applies to the following stations:

MW-5 , MW-6 , MW-7 , MW-8 , MW-9

Analyte	CAS/EMMI#	Intervention Limit	Units	Frequency	Comments
1,1,1,2-Tetrachloroethane	630-20-6	17.5	ug/L	Spring and Fall	
1,1,1-Trichloroethane	715-56	2,250.0	ug/L	Spring and Fall	
1,1,2,2-Tetrachloroethane	793-45	0.5	ug/L	Spring and Fall	
1,1,2-Trichloroethane	790-05	0.75	ug/L	Spring and Fall	
1,1,2-Trichlorotrifluoroethane	761-31	-	ug/L	Spring and Fall	
1,1-Dichloroethane	753-43	25.0	ug/L	Spring and Fall	
1,1-Dichloroethylene;(Vinylidene chloride)	753-54	50.0	ug/L	Spring and Fall	
1,1-Dichloropropene	563-58-6	-	ug/L	Spring and Fall	
1,2-(trans-) Dichloroethylene	156-60-5	25.0	ug/L	Spring and Fall	
1,2,3-Trichlorobenzene	876-16	-	ug/L	Spring and Fall	
1,2,3-Trichloropropane	961-84	10.0	ug/L	Spring and Fall	
1,2,4-Trichlorobenzene	120-82-1	17.5	ug/L	Spring and Fall	
1,2,4-Trimethylbenzene	956-36	25.0	ug/L	Spring and Fall	
1,2-Dibromoethane;(Ethylene dibromide); EDB	106-93-4	0.001	ug/L	Spring and Fall	
1,2-Dichlorobenzene (orth-)	955-01	150.0	ug/L	Spring and Fall	
1,2-Dichloroethane	107-06-2	1.0	ug/L	Spring and Fall	
1,2-Dichloroethylene (cis-)	156-59-2	12.5	ug/L	Spring and Fall	
1,2-Dichloropropane	788-75	1.25	ug/L	Spring and Fall	
1,3,5-Trimethylbenzene	108-67-8	25.0	ug/L	Spring and Fall	
1,3-Dichlorobenzene (meta-)	541-73-1	150.0	ug/L	Spring and Fall	
1,3-Dichloropropane	142-28-9	-	ug/L	Spring and Fall	
1,4-Dichlorobenzene (para-)	106-46-7	2.5	ug/L	Spring and Fall	
2,2-Dichloropropane	594-20-7	-	ug/L	Spring and Fall	
2-Chlorotoluene (ortho-)	954-98	-	ug/L	Spring and Fall	
4-Chlorotoluene (para-)	106-43-4	-	ug/L	Spring and Fall	
Acenaphthylene	208-96-8	-	ug/L	Spring and Fall	
Acetone	676-41	175.0	ug/L	Spring and Fall	
Alkalinity, Total as CaCO3	T-0-05	-	mg/L	Fall	
Allyl chloride; (3 chloropropene)	107-05-1	7.5	ug/L	Spring and Fall	
Ammonia Nitrogen	766-44-17	-	mg/L	Fall	
Appearance	1	-	N/A	Spring and Fall	

Permit Issued:

Permit Expires:

# LIMITS TABLE

Comments:

Report Date: 01/11/2013

Facility: Henning Transfer Station/Demo Landfill

Permit SW-395

Standard Landfill Monitoring Periods:

Spring: Mar-28 to Apr-28

Summer: Jul-01 to Aug-07

Fall: Oct-14 to Nov-14

**DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT**

This Limits Table applies to the following stations:

MW-5 , MW-6 , MW-7 , MW-8 , MW-9

Analyte	CAS/EMMI#	Intervention Limit	Units	Frequency	Comments
Arsenic	744-03-82	2.5	ug/L	Fall	
Barium	744-03-93	500.0	ug/L	Fall	
Benzene	714-32	0.5	ug/L	Spring and Fall	
Boron	744-04-28	250.0	ug/L	Fall	
Bromobenzene	108-86-1	-	ug/L	Spring and Fall	
Bromochloromethane (Chlorobromomethane)	749-75	-	ug/L	Spring and Fall	
Bromodichloromethane (Dichlorobromomethane)	752-74	1.5	ug/L	Spring and Fall	
Bromoform	752-52	10.0	ug/L	Spring and Fall	
Bromomethane (Methyl bromide)	748-39	2.5	ug/L	Spring and Fall	
Cadmium	744-04-39	1.0	ug/L	Fall	
Carbon tetrachloride	562-35	0.75	ug/L	Spring and Fall	
Chloride	168-87-006	-	mg/L	Fall	
Chlorobenzene; (monochlorobenzene)	108-90-7	25.0	ug/L	Spring and Fall	
Chlorodibromomethane;(Dibromochloromethane)	124-48-1	2.5	ug/L	Spring and Fall	
Chloroethane	750-03	-	ug/L	Spring and Fall	
Chloroform	676-63	7.5	ug/L	Spring and Fall	
Chloromethane; (Methyl chloride)	748-73	-	ug/L	Spring and Fall	
Chromium	744-04-73	25.0	ug/L	Fall	
cis-1,3-Dichloropropene	100-61-015	-	ug/L	Spring and Fall	
Copper	744-05-08	-	ug/L	Fall	
Cumene; (Isopropylbenzene)	988-28	75.0	ug/L	Spring and Fall	
Dibromochloropropane; (DBCP)	961-28	0.05	ug/L	Spring and Fall	
Dibromomethane; (Methylene bromide)	749-53	-	ug/L	Spring and Fall	
Dichlorodifluoromethane	757-18	175.0	ug/L	Spring and Fall	
Dichlorofluoromethane	754-34	-	ug/L	Spring and Fall	
Dichloromethane; (Methylene chloride)	750-92	1.25	ug/L	Spring and Fall	
Dissolved Oxygen, Field	T-1-05	-	mg/L	Spring and Fall	
Ethyl benzene	100-41-4	12.5	ug/L	Spring and Fall	
Ethyl ether	602-97	50.0	ug/L	Spring and Fall	
Hexachlorobutadiene	876-83	0.25	ug/L	Spring and Fall	
Iron	743-98-96	-	ug/L	Fall	

Permit Issued:

Permit Expires:

# LIMITS TABLE

Comments:

Report Date: 01/11/2013

Facility: Henning Transfer Station/Demo Landfill

Permit SW-395

Standard Landfill Monitoring Periods:

Spring: Mar-28 to Apr-28

Summer: Jul-01 to Aug-07

Fall: Oct-14 to Nov-14

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This Limits Table applies to the following stations:

MW-5 , MW-6 , MW-7 , MW-8 , MW-9

Analyte	CAS/EMMI#	Intervention Limit	Units	Frequency	Comments
Lead	743-99-21	1.25	ug/L	Fall	
Manganese	743-99-65	25.0	ug/L	Fall	
Mercury	743-99-76	0.5	ug/L	Fall	
Methyl ethyl ketone (MEK)	789-33	1,000.0	ug/L	Spring and Fall	
Methyl isobutyl ketone; (4-Methyl-2-pentanone)	108-10-1	75.0	ug/L	Spring and Fall	
Methyl tertiary-Butyl Ether (MTBE)	163-40-44	-	ug/L	Spring and Fall	
Naphthalene	912-03	75.0	ug/L	Spring and Fall	
n-Butyl Benzene	104-51-8	-	ug/L	Spring and Fall	
Nitrate + Nitrite	C-0-05	2,500.0	ug/L	Fall	
n-Propyl benzene	103-65-1	-	ug/L	Spring and Fall	
pH	C-0-06	-	SU	Spring and Fall	
p-Isopropyltoluene	998-76	-	ug/L	Spring and Fall	
sec-Butyl Benzene	135-98-8	-	ug/L	Spring and Fall	
Sodium	744-02-35	-	ug/L	Fall	
Specific Conductance	C-0-11	-	umho/cm	Spring and Fall	
Styrene	100-42-5	25.0	ug/L	Spring and Fall	
Sulfate	148-08-798	-	mg/L	Fall	
Suspended Solids, Total	C-0-09	-	mg/L	Fall	
Temperature	T-1-21	-	Deg C	Spring and Fall	
tert-Butyl Benzene	980-66	-	ug/L	Spring and Fall	
Tetrachlorodibenzodioxin	419-03-575	-	ug/L	Spring and Fall	
Tetrachloroethylene; (Perchloroethylene)	127-18-4	1.25	ug/L	Spring and Fall	
Tetrahydrofuran	109-99-9	25.0	ug/L	Spring and Fall	
Toluene	108-88-3	50.0	ug/L	Spring and Fall	
Trichloroethylene; (TCE)	790-16	1.25	ug/L	Spring and Fall	
Trichlorofluoromethane	756-94	500.0	ug/L	Spring and Fall	
Turbidity, Field	G-0-19	-	NTU	Spring and Fall	
Vinyl chloride; (chloroethene)	750-14	0.05	ug/L	Spring and Fall	
Xylenes (mixture of o,m,p)	133-02-07	75.0	ug/L	Spring and Fall	

Permit Issued:

Permit Expires:

## Required Actions and Submittals Table

Report Date: 01/11/2013

Facility: Henning Transfer Station/Demo Landfill

Permit SW-395

Action: PER006

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Subject Item I.D. Total Facility

### Required Actions/Submittals

Frequency/Due Date	Action or Submittal	Requirement
03-JUL-22	Submit Permit Application	To allow for adequate MPCA review time and to avoid possible termination of the permit at the time the permit expires, an application for reissuance of the permit must be submitted to the Commissioner no later than 180 calendar days before the expiration date of the permit.
Annually	Submit Annual Waste Activity Report	An annual facility report for the preceding calendar year must be submitted to the Commissioner by February 1 of each year. The report must include the information identified in Minn. R. 7035.2585, 7035.2825, subp. 9, item K and 7035.2836, subp. 3, item G, and include summary evaluation reports and specific annual reporting requirements for each waste activity.

Subject Item I.D. DD001

### Required Actions/Submittals

Frequency/Due Date	Action or Submittal	Requirement
Annually	Submit Spring Water Monitoring Report	A spring water monitoring report must be submitted by June 30 of each year. The water monitoring results must be accompanied by information sufficient to establish the reliability, precision, and accuracy of the reported values, including the requirements of Minn. R. 7035.2815, subp. 14, item P.
Annually	Submit Annual Water Monitoring Evaluation Report	An annual water monitoring evaluation report must be submitted by February 1 of each year. The report must include the autumn water monitoring results, and a summary and discussion of the monitoring results of the entire preceding calendar year. The autumn water monitoring results must be accompanied by information sufficient to establish the reliability, precision, and accuracy of the reported values, including the requirements of Minn. R. 7035.2815, subp. 14, item P.

# Waste Capacity Table

Report Date: 01/11/2013

Facility: Henning Transfer Station/Demo Landfill

Permit SW-395

Action: PER006

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WA ID	Waste Activity Type	Status	Permitted Area	Units	Permitted Capacity	Units	Design Capacity	Units	Comments
DD001	Demolition Debris Disposal Area	Open	8.00	acres	321,425.00	cubic yards	321,425.00	cubic yards	
ST001	Solid Waste Storage Area	Open	14,000.00	square feet	4,500.00	units	4,500.00	units	up to 3,000 appliances and scrap metal, up to 1,500 electronics and battery waste, up to 20,000 cubic yards of concrete, 5,000 cubic yards of asphalt shingles
					25,000.00	cubic yards	25,000.00	cubic yards	
TR001	Solid Waste Transfer Area	Open	15,000.00	square feet	5,000.00	tons/year	17,000.00	tons/year	30 tpd is averaged over a full week
					30.00	tons/day	60.00	tons/day	
TS001	Tire Storage Area	Open	500.00	square feet	3,000.00	PTEs/year	3,000.00	PTEs/year	
YC001	Yard Waste Composting Area	Open	15,000.00	square feet	4,000.00	cubic yards	4,000.00	cubic yards	