



Minnesota Pollution Control Agency

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Solid Waste Management Facility Permit

Permit: SW-188

Henkemeyer Demolition Landfill

Action: PER007

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 listed on the following page to construct and operate the Henkemeyer Demolition Landfill, SW-188 under the conditions set forth in this permit.

The facility consists of 36 acres located in: Township 37 North, Range 31 West, Section 34, Benton County, in the MPCA Brainerd Region. The facility includes the following waste activity areas:

Demolition Debris Disposal Area	DD001
Solid Waste Recycling Area	RE001
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: _____

Minnesota Pollution Control Agency

Mike Mondloch
Supervisor, Solid Waste Permitting Unit
Prevention & Solid Waste Management Section
Resource Management & Assistance Division

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Solid Waste Management Facility Permit

Henkemeyer Demolition Landfill

Permit: SW-188

Action: PER007

The following permittee is authorized to construct and operate the Henkemeyer Demolition Landfill, SW-188 under the conditions set forth in this permit.

Permittee Activity Owner:

Henkemeyer Landfill, Inc.

Address:

6045 Lark Road Northwest
Sauk Rapids, MN 56379

Permittee Land Owner:

Henkemeyer Landfill, Inc.

Address:

6045 Lark Road Northwest
Sauk Rapids, MN 56379

Permittee Operator:

Henkemeyer Landfill, Inc.

Address:

6045 Lark Road Northwest
Sauk Rapids, MN 56379

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1. TOTAL FACILITY

1.1 General

1.1.1 Definitions

- 1.1.2 "ACM" means Asbestos Containing Material.
- 1.1.3 "Airspace" means the volume for filling with waste, considering all solid waste, daily, intermediate, intermittent and final cover materials, and design restrictions.
- 1.1.4 "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.
- 1.1.5 "Commissioner" means the commissioner of the Minnesota Pollution Control Agency, or any individual who is authorized to review and approve submittals on behalf of the commissioner.
- 1.1.6 "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, storm water 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.
- 1.1.7 "Facility" has the meaning given in Minn. R. 7035.0300, subp. 37.
- 1.1.8 "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.
- 1.1.9 "Permittee" means the landowner, facility owner(s), and facility operator(s).
- 1.1.10 "Waste Activity" means the storage, processing, transfer, utilization, treatment, or disposal of solid waste and waste by-products.
- 1.1.11 "Waste Activity Area" means the land, structures, monitoring devices, and other appurtenances and improvements on the land associated with a waste activity.

1.1.12 Waste Activities

- 1.1.13 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

1.1.14 Permit Compliance

- 1.1.15 The permittee shall keep the status of the permit current and up-to-date.
- 1.1.16 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.

1.1.17 Location

- 1.1.18 The Henkemeyer Demolition Landfill (Facility) is located about three miles north of Sauk Rapids on Federal Highway 10, then West on North Benton Drive, then North on Lark Road to the facility.

Facility address:
Henkemeyer Demolition Landfill
6045 Lark Road NW
Sauk Rapids, MN 56379

1.1.19 Facility History

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TOTAL FACILITY

General

1.1.20 The Facility was originally permitted as Pikus Demolition Landfill on October 25, 1977. Land-filling activities at the site began in 1978, according to the Operating Procedures for Pikus Demolition Landfill, Inc. by Williamson - Kotsmith, Inc., January, 1987. As stated therein, 42,000 cubic yards (CY) of demolition debris were landfilled between 1978 and 1982.

The Facility was repermited in 1982 and that permit was amended on January 14, 1983. Approximately 43,000 CY of debris were landfilled from 1982 to 1987.

A February, 1994 permit application listed an in-place volume of 115,911 CY. The Facility was repermited on September 8, 1995 to Henkemeyer Demolition Landfill for land disposal of 85,000 CY of demolition debris, yard waste composting, and recycling activities.

The Facility was again repermited on April 12, 2001 for 185,000 CY design capacity on 9.7 acres of land. Facility activities were the same as the previous permit. This permit provided a monitoring schedule for three groundwater monitoring wells and required the installation of two additional monitoring wells.

A permit reissuance in July 2005 authorized a vertical expansion. With the expansion the maximum elevation was increased from 1069 feet up to 1084 feet. The permitted design capacity was 506,000 CY, with nearly 300,000 CY in place at the time of permitting.

Minor permit modifications were completed in June and October 2007. The modifications authorized a revised final contour plan and revised phase development sequence, with no change in capacity or footprint.

1.1.21 A redesign of the facility in the June 2009 permit increased the final elevation from 1084 feet to 1123 feet. The permit restricted waste acceptance to Class 1 demolition debris as described in the Demolition Landfill Guidance. This permit also improved the storm water management system and final cover design.

1.1.22 Facility Description

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General

1.1.23 The Facility is owned and operated by Henkemeyer Landfill, Inc., Gerome G. Henkemeyer, CEO. The facility is open to the public for acceptance of demolition type wastes and recyclable materials. The facility is open for business Monday through Friday, with limited and seasonal Saturday hours, and will occasionally open at other times for special circumstances. This permit reissuance does not provide for any increased capacity or major design changes for the landfill. The Phases shall be filled sequentially and final cover applied up to the permitted grades. See the Waste Capacity Table of this permit for the permitted capacity of this permit.

This permit restricts waste acceptance to Class 1 demolition debris. The remaining life for demolition debris disposal based on the remaining design capacity is 8 years. See DD001 of this permit for more requirements.

The Facility will continue recycling and composting in the designated areas, as shown on the plan sheets. The Facility may also continue burning brush with a Department of Natural Resources (DNR) burning permit. See RE001 and YC001 in this permit for recycling and composting requirements.

The facility is required to sample and analyze six groundwater monitoring wells around the landfill. See the Limits Tables of this permit for specific monitoring requirements. See the Required Actions and Submittals Table of this permit for reporting requirements.

1.1.24 Required Notices

1.1.25 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 Permit Application

1.2.2 The permit application approved by this permit is signed and dated December 12, 2013.

1.2.3 Engineering Documents

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Permit Documents

- 1.2.4 The engineering documents approved by this permit are contained in "Application for Permit Renewal, Henkemeyer Demolition Debris Land Disposal Facility" prepared by Wenck, dated December 2013, and includes:
- General Information;
 - Engineering;
 - Operation and Maintenance;
 - Closure and Postclosure;
 - Monthly Inspection Checklist;
 - Contingency Action Plan.
 - Industrial Solid Waste Management Plan

The following approved documents were submitted in Response to MPCA Comments, prepared by Wenck, and dated March 31, 2014 and include:

- Updated Intermittant Cover
- Closure and Postclosure Plan;
- Post-Closure cost estimates
- Post-Closure Inspection Log

1.2.5 Hydrogeologic Evaluation Documents

- 1.2.6 The hydrogeologic evaluation documents approved by this permit are contained in "Application for Permit Renewal, Henkemeyer Demolition Debris Land Disposal Facility" prepared by Wenck Associates, Inc. December 2013 and includes:
- Groundwater Monitoring Requirements;
 - Contingency Action Plan;
 - Compliance Boundary.

The following approved documents were submitted in Response to MPCA Comments, prepared by Wenck Associates, Inc., December 2008 and include:

- Wetland Restoration and Compensatory Mitigation Plan.

1.2.7 Approved Plans

- 1.2.8 The approved plans and engineering documents are incorporated into this permit. In addition, the approved version of all pending submittals required by this permit are incorporated into 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.

1.2.9 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.

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TOTAL 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 Ground Water Quality, Surface Water Quality, Air Quality, and Soil Protection

1.3.4 The permittee must locate, design, and construct the facility to prevent pollution of ground water 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.

1.3.5 Storage Standards

1.3.6 A waste activity area where solid waste is stored must be designed in accordance with Minn. R. 7035.2855 except as provided in, subp. 1 and Minn. R. 7035.2525, subp. 2.

1.3.7 Storm Water Management System

1.3.8 The permittee shall construct and certify the storm water management system for the facility with Best Management Practices to manage storm water discharge in accordance with the National Pollutant Discharge Elimination System/State Disposal System (NPDES) Permit for the discharge of storm water associated with an industrial activity and/or a construction activity.

1.3.9 The permittee must design and construct a run-on control system to prevent flow onto the waste activity area and a run-off control system to collect and control flow from the waste activity area resulting from a 24-hour, 25-year storm.

1.3.10 The permittee shall protect on-site wetlands from sedimentation. A silt fence or other best management practice (BMP) shall be maintained between disturbed ground and waters of the state where the land slope would carry storm water to the wetland. The disturbed ground shall be considered stabilized when sufficient vegetation is present to prevent erosion.

1.3.11 Construction Plan

1.3.12 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.

1.3.13 Construction Notification

1.3.14 Unless the commissioner orders otherwise, the permittee shall notify appropriate MPCA staff at least ten (10) working days in advance of construction of the facility or any component thereof.

1.3.15 Construction Certification

1.3.16 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.

1.3.17 Alterations and Additions

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Design and Construction Criteria

- 1.3.18 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 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.

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.

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Operating and Maintenance Criteria

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 storm water.

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.

1.4.24 Household Hazardous Waste

1.4.25 The permittee must manage household hazardous waste 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 Groundwater Quality, Surface Water Quality, Air Quality, and Soil Protection

1.4.29 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.

1.4.30 Emergency Equipment

1.4.31 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.

1.4.32 Operating Record

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

1.4.34 Self Inspections

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TOTAL FACILITY

Operating and Maintenance Criteria

1.4.35 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.

1.4.36 Emergency Procedures Manual

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

1.4.38 Contingency Action Plan

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

1.4.40 Closure Plan

1.4.41 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, subp. 3.

1.4.42 Postclosure Plan

1.4.43 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 shall 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 shall 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 shall submit an electronic copy of all water quality monitoring data for each monitoring event. This shall included both the field data and analytical data. 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 Unless specifically directed by the Commissioner, the submittal of a paper copy of all water monitoring reports as outlined in the Required Actions and Submittals Table(s) is still required.

1.5.6 Monitoring Station Location Information

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Reporting Criteria

- 1.5.7 Location and elevation data shall be collected for all monitoring stations. 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 the well from the top of the riser pipe must also be identified. If existing data is being reported, the surveying method and datum used to collect the information must be identified.

1.6 Contingency Action Criteria

1.6.1 Contingency Action Plan

- 1.6.2 The permittee shall address all facility waste activities in the approved plan in accordance with Minn. R. 7035.2615.

1.6.3 Emergency Preparedness and Prevention

- 1.6.4 If a fire occurs in the waste deposit area, the permittee shall immediately implement its contingency action plan to extinguish the fire.
- 1.6.5 If a fire occurs in the waste deposit area, the permittee shall immediately implement its contingency action plan to extinguish the fire.

Within 24 hours of discovery of the fire, the permittee shall 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 the permittee has hired to develop a revised plan for further fire fighting efforts. The permittee shall 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, the revised plan must identify the actions that will be taken to extinguish the fire, including sources for materials and equipment and a timeline for implementation, and must be signed by a registered professional engineer. The permittee shall implement the revised plan upon approval by the MPCA.

- 1.6.6 The permittee must design, construct, 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 and the environment in accordance with Minn. R. 7035.2595.

1.6.7 Emergency Procedures

- 1.6.8 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.

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Closure Criteria

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 in the approved plan in accordance with Minn. R. 7035.2645.

1.8.3 Postclosure Care

- 1.8.4 The permittee must perform postclosure care 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.
- 1.9.3 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.

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.

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General Conditions

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.

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.

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TOTAL FACILITY

General Conditions

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.

1.10.21 Notification of Noncompliance

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

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TOTAL FACILITY

General Conditions

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.

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 Retention of Records

1.10.40 The permittee must maintain records of all ground water monitoring data and ground water 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.

1.10.41 As-built Plans

1.10.42 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.

1.10.43 Construction Certification

1.10.44 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.

1.11 Specific Conditions

1.11.1 Major Appliances

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TOTAL FACILITY

Specific Conditions

1.11.2 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.

1.11.3 Lead Acid Batteries

1.11.4 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.

1.11.5 Electronics

1.11.6 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.

1.11.7 Scrap Metal

1.11.8 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.

1.11.9 Tires

1.11.10 The permittee must identify a designated waste tire storage area. The permittee may store a maximum of 2,000 passenger tire equivalents (PTE) in this area.

1.11.11 The permittee must maintain all tire piles in a manner that keeps the piles free of vegetation, mosquitoes and rodents.

1.11.12 The permittee must divert surface water drainage around and away from the waste tire storage area.

1.11.13 The permittee must not conduct any operations involving the use of open flames, blow torches, or highly flammable substances within 50 feet of a waste tire pile.

1.11.14 The permittee must arrange for the transportation and disposal of the waste tires by a licensed tire hauler. The permittee shall include the number of tires transferred, the licensed hauler's MPCA transporter identification number, and the tire disposal destination in the facility's annual report.

1.11.15 Concrete

1.11.16 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.

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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 In accordance with Minn. R. 7035.2825, subp. 7 the disposal area must not be located 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 In accordance with Minn R. 7035.2555, subp. 2. B. a solid waste management facility may not be constructed within a wetland.
- 2.1.4 In accordance with Minn. R. 7035.2825, subp. 9. H. a minimum separation distance of 50 feet must be maintained between the fill boundaries and the property line.

2.1.5 Design Requirements

- 2.1.6 The design must include the items outlined in Minn. R. 7035.2825, subp. 8.

2.1.7 Final Cover

- 2.1.8 The cover system must be designed in accordance with Minn. R. 7035.2825, subp. 11.

The approved Facility final cover system follows the MPCA recommended final cover as described in the MPCA Guidance Document "Guidance for Final Covers for Demolition Landfills" and specifically shall include the following from bottom to top:

- 12 inches compacted soil with a permeability of 0.000017 cm/sec or less;
 - 6 inches of soils with sufficient water holding capacity to support vegetation;
 - 6 inches of topsoil amended with fertilizer and mulch as necessary to provide sufficient nutrients for vegetation; and
 - Seeded with a MnDOT Seed Mixture #25-141 or equivalent.
- 2.1.9 The final cover system shall include storm water management structures as detailed on the approved Plans, including:
 1. Diversion swales and downslope structures as detailed on Sheet Number 10;
 2. A 5,000 square foot stilling basin with weir and riprap outlet.

These storm water structures shall be constructed during future phase closure activities. The stilling basin shall be constructed in 2015 in conjunction with Phase 4 closure.

2.1.10 Attenuation Zone

- 2.1.11 A minimum separation distance of five feet shall be maintained between the waste fill and the seasonally high groundwater table.

2.1.12 Water Monitoring Systems

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DEMOLITION DEBRIS DISPOSAL AREA DD 001

Design and Construction Criteria

- 2.1.13 The permittee must design and install a water monitoring system in compliance with Minn. R. 7035.2815 , subp. 10. Prior to the placement of waste in either Phase 8 or Phase 9, monitoring well MW-2 shall be abandoned and relocated approximately 150 feet to the northeast. Prior to the installation of this well a work plan shall be submitted to the MPCA for review and approval. Upon completion of this well a minimum of two rounds of baseline ground water sampling shall be conducted. A report which summarizes the construction of the new well and baseline ground water sampling results shall be submitted to the MPCA for review and approval. At a minimum this report shall contain a log of the boring with soil classification, well construction diagram, Minnesota Department of Health installation form, well development form, surveyed casing elevation and surface location in latitude and longitude. Waste shall not be placed in either Phase 8 or Phase 9 until this report is approved by the MCPA.

2.2 Operating and Maintenance Criteria

2.2.1 Operating Plan Update

- 2.2.2 Within sixty (60) days of permit issuance, the permittee shall submit a revised operating plan detailing how facility operations will be modified to reduce groundwater impacts caused by the landfill. The operating plan should include measures to minimize stormwater infiltration into the waste by: reducing the size of the working face; increasing the application of intermediate cover; and increasing the slopes on all areas of the landfill that don't already have final cover. Once the operating plan has been reviewed and approved by the MPCA, the proposed methods shall be implemented for the duration of the permit. After three years of implementing the modified operating practices, the permittee shall submit an evaluation report. The evaluation report shall be based on an analysis of the groundwater quality.

2.2.3 Facility Classification

- 2.2.4 In accordance with the definitions identified in Section 1.1.1 of this permit, this landfill is a Class I Demolition Landfill. This landfill may only accept "Acceptable Wastes" as listed below.

- 2.2.5 In accordance with the definitions identified in Section 1.1.1 of this permit, this landfill is a Class I demolition landfill.

2.2.6 Acceptable Wastes

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DEMOLITION DEBRIS DISPOSAL AREA DD 001

Operating and Maintenance Criteria

2.2.7 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 ISWMP.

2.2.8 Non-acceptable Wastes

2.2.9 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.

2.2.10 Setback from Property Line

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DEMOLITION DEBRIS DISPOSAL AREA DD 001

Operating and Maintenance Criteria

- 2.2.11 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.
- 2.2.12 Attenuation Zone**
- 2.2.13 The permittee must maintain a minimum separation distance of 5 feet between the base grade of each landfill cell, as identified in the approved plans, and the seasonal high water table.
- 2.2.14 Run-on / Run-off Control System**
- 2.2.15 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.
- 2.2.16 Phase Development**
- 2.2.17 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.
- 2.2.18 Staking of Fill Phases**
- 2.2.19 The permittee must stake each fill phase of the landfill to establish the horizontal and vertical limits of the permitted area.
- 2.2.20 Waste Screening**
- 2.2.21 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.
- 2.2.22 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.
- 2.2.23 The permittee must not place more waste in the WSA than can be managed in one working day.

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DEMOLITION DEBRIS DISPOSAL AREA DD 001

Operating and Maintenance Criteria

2.2.24 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.

2.2.25 Spreading and Compaction

2.2.26 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.

2.2.27 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.

2.2.28 Monthly Cover

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

2.2.30 Cover Material Stockpile

2.2.31 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.

2.2.32 Final Cover

2.2.33 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.

2.2.34 Water Monitoring System Maintenance

2.2.35 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 requires water quality monitoring for the disposal area.

2.3.3 Compliance Boundary

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

2.3.5 Hydrogeologic Evaluation

2.3.6 The permittee must complete a hydrogeologic evaluation in accordance with Minn. R. 7035.2815, subp. 3.

2.3.7 Ground Water Performance Standards

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DEMOLITION DEBRIS DISPOSAL AREA DD 001

Monitoring Criteria

2.3.8 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), 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.

2.3.9 Ground Water Quality Sampling and Analysis

2.3.10 Ground Water quality sampling and analysis must be conducted in accordance with Minn. R. 7035.2815 subp. 14 and must include the monitoring stations identified in the Limits Table(s) of this permit. Sampling must be conducted according to the schedule shown in the Limits Table(s) of this permit.

2.3.11 Exceedence of Intervention Limit

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

2.3.13 Surface Water Quality Sampling and Analysis

2.3.14 Surface Water quality sampling and analysis must be conducted in accordance with Minn. R. 7035.2815 subp. 14 and must include the monitoring stations identified in the Limits Table(s) of this permit. Sampling must be conducted according to the schedule shown in the Limits Table(s) of this permit.

2.3.15 Background Water Quality Monitoring

2.3.16 The permittee must determine the initial water quality in new monitoring points and monitoring systems, and perform background monitoring in accordance with Minn. R. 7035.2815, subp. 14, item E.

2.3.17 Monitoring Protocol

2.3.18 The permittee must develop and keep current a written monitoring protocol for the disposal area according to Minn. R. 7035.2815, subp. 14, item G and must ensure the protocol is followed during sampling and sample analysis.

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 permittee shall submit this data in both the electronic format and paper copy. The permittee shall submit both the field data and the analytical data. 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

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DEMOLITION DEBRIS DISPOSAL AREA DD 001

Reporting Criteria

2.4.4 The permittee shall submit two copies 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.

2.4.5 Groundwater Investigation

2.4.6 The Permittee shall complete a groundwater contaminant investigation. Within two (2) weeks of approval from the Department of Justice, the Permittee shall implement the actions specified in the approved work plan and immediately notify the MPCA that the investigation has begun. Any changes to the work plan must be approved prior to implementation. The final report for the groundwater investigation must be submitted to the MPCA within ninety (90) days from the start of the investigation.

2.5 Closure Criteria

2.5.1 Closure Plan

2.5.2 The permittee must close the facility as specified in the approved plan in accordance with Minn. R. 7035.2625.

2.5.3 Closure Procedures

2.5.4 The permittee must perform closure procedures in accordance with Minn. R. 7035.2635.

2.5.5 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.

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3. SOLID WASTE RECYCLING AREA RE 001

3.1 Design and Construction Criteria

3.1.1 Design Requirements

- 3.1.2 The permittee must design and construct the facility in accordance with Minn. R. 7035.2845, subp. 3. Storage of waste on-site must comply with Minn. R. 7035.2855.

3.2 Operating and Maintenance Criteria

3.2.1 Residual Materials

- 3.2.2 The permittee must remove all putrescible residual materials at least once per week. The permittee must remove all other residuals at least once per month.

3.2.3 Surface Water Drainage

- 3.2.4 The permittee must divert all surface water around and away from either recyclable or unusable materials that are stored outdoors.

3.3 Reporting Criteria

3.3.1 Annual Waste Activity Report

- 3.3.2 The permittee shall submit an annual report in accordance with Minn. R. 7035.2585 and Minn. R. 7035.2845, subp. 4, item C. 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.

3.4 Contingency Action Criteria

3.4.1 Contingency Action Plan

- 3.4.2 The permittee must implement the actions necessary to comply with requirements in accordance with Minn. R. 7035.2845, subp. 5.

3.4.3 Closure

- 3.4.4 The permittee must properly remove and treat or dispose of all waste and contaminated soil or structures at the time of closure in accordance with Minn. R. 7035.2845, subp. 6.

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4. YARD WASTE COMPOSTING AREA YC 001

4.1 Operating and Maintenance Criteria

4.1.1 Compost Turning

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

4.1.3 Inert Materials

4.1.4 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, sub item (3).

4.1.5 By-product Storage

4.1.6 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.

4.1.7 Surface Water

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

4.1.9 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.

4.2 Reporting Criteria

4.2.1 Annual Report

4.2.2 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: 11/03/2014
 Facility: Henkemeyer Demolition Landfill
 Permit: SW-188

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-1 , MW-10R , MW-2 , MW-4 , MW-5 , 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	50,000.0	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	10.0	ug/L	Spring and Fall	
1,2,3-Trichlorobenzene	876-16	-	ug/L	Spring and Fall	
1,2,3-Trichloropropane	961-84	0.00075	ug/L	Spring and Fall	
1,2,4-Trichlorobenzene	120-82-1	1.0	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 (ortho-)	955-01	150.0	ug/L	Spring and Fall	
1,2-Dichloroethane	107-06-2	0.25	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	
1,2-Dimethylbenzene	954-76	-	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	-	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	
Acetone	676-41	1,000.0	ug/L	Spring and Fall	
Alkalinity, Total as CaCO3	T-0-05	-	mg/L	Spring and Fall	
Allyl chloride; (3 chloropropene)	107-05-1	7.5	ug/L	Spring and Fall	
Ammonia Nitrogen	766-44-17	-	mg/L	Spring and Fall	
Appearance	1	-	N/A	Spring and Fall	

LIMITS TABLE

Comments:

Report Date: 11/03/2014
 Facility: Henkemeyer Demolition Landfill
 Permit: SW-188

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-1 , MW-10R , MW-2 , MW-4 , MW-5 , 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	Spring and 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	0.125	ug/L	Fall	
Calcium	744-07-02	-	mg/L	Fall	
Carbon tetrachloride	562-35	0.25	ug/L	Spring and Fall	
Cation-Anion Balance	F84-1 -	-	%	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	0.5	ug/L	Spring and Fall	
Copper	744-05-08	250.0	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	
Dissolved Solids, Total	C-0-10	-	mg/L	Fall	
Eh (Oxidation potential)	4	-	mV	Spring and Fall	Field

LIMITS TABLE

Comments:

Report Date: 11/03/2014
 Facility: Henkemeyer Demolition Landfill
 Permit: SW-188

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-1 , MW-10R , MW-2 , MW-4 , MW-5 , MW-9

Analyte	CAS/EMMI#	Intervention Limit	Units	Frequency	Comments
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	
Lead	743-99-21	3.75	ug/L	Fall	
Magnesium	743-99-54	-	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	15.0	ug/L	Spring and Fall	
Naphthalene	912-03	17.5	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	Field and Lab.
p-Isopropyltoluene	998-76	-	ug/L	Spring and Fall	
Potassium	744-00-97	-	ug/L	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	Field and Lab.
Static Water Level (Elevation, MSL)	PCA-00-1	-	ft	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	Field
tert-Butyl Benzene	980-66	-	ug/L	Spring and Fall	
Tetrachloroethylene; (Perchloroethylene)	127-18-4	1.25	ug/L	Spring and Fall	
Tetrahydrofuran	109-99-9	-	ug/L	Spring and Fall	
Toluene	108-88-3	50.0	ug/L	Spring and Fall	
Trichloroethylene; (TCE)	790-16	0.1	ug/L	Spring and Fall	

LIMITS TABLE

Comments:

Report Date: 11/03/2014
 Facility: Henkemeyer Demolition Landfill
 Permit: SW-188

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-1 , MW-10R , MW-2 , MW-4 , MW-5 , MW-9

Analyte	CAS/EMMI#	Intervention Limit	Units	Frequency	Comments
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	
Xylene (M & P)	179-60-123	2,500.0	ug/L	Spring and Fall	
Zinc	744-06-66	500.0	ug/L	Fall	

Required Actions and Submittals Table

Report Date: 11/03/2014

Facility: Henkemeyer Demolition Landfill

Permit SW-188

Action: PER007

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Subject Item I.D. Total Facility

Required Actions/Submittals

Frequency/Due Date	Action or Submittal	Requirement
01-JAN-19	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 Facility 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 and 7035.2825, subp. 9, item K 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
TBD	Submit operating plan	Within sixty (60) days of permit issuance, the permittee shall submit a revised operating plan detailing how facility operations will be modified to reduce groundwater impacts caused by the landfill. The operating plan should include measures to minimize stormwater infiltration into the waste by: reducing the size of the working face; increasing the application of cover soils; and increasing the slopes on all areas of the landfill that don't already have final cover. Once the operating plan has been reviewed and approved by the MPCA, the proposed methods shall be implemented for the duration of the permit.
TBD	Submit Assessment Monitoring Report	Within three years and three months of permit issuance, the permittee shall submit a hydrogeologic evaluation report. The report shall evaluate groundwater quality over the past five years. Submit Assessment Monitoring Report: due 1,160 days after Permit Issuance
Annually	Submit Autumn Water Monitoring Report	An autumn water monitoring report must be submitted by January 31 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. The ground water sampling results shall be submitted in both the electronic format and paper copy.
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. The ground water sampling results shall be submitted in both the electronic format and paper copy.
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 a summary and discussion of the monitoring results for the preceding calendar year.

Permit Issued:

Permit Expires:

Required Actions and Submittals Table

Report Date: 11/03/2014

Facility: Henkemeyer Demolition Landfill

Permit SW-188

Action: PER007

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Subject Item I.D. YC001

Required Actions/Submittals

Frequency/Due Date	Action or Submittal	Requirement
Annually	Submit Annual Waste Activity Report	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; average inert test results; the quantity, by weight or volume, of compost removed from the facility; and a market description. Submit Annual Waste Activity Report: due 60 days after end of each calendar Year following Permit Issuance

Waste Capacity Table

Report Date: 11/03/2014

Facility: Henkemeyer Demolition Landfill

Permit SW-188

Action: PER007

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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	20.00	acres	747,039.00	cubic yards	747,039.00	cubic yards	Capacity includes monthly and final cover soils. As of Nov 2013 survey, 493,332 cy in-place and 253,707 cy remaining for waste and cover soils.	
RE001	Solid Waste Recycling Area	Open	2,000.00	square feet	300.00	tons/day	300.00	tons/year	Recycling includes steel, cardboard and wood, capacity is approximate. Concrete recycling also occurs, although the capacity is limited to the permitted storage area.	
YC001	Yard Waste Composting Area	Open	15,000.00	square feet	600.00	cubic yards/year	600.00	cubic yards/year		