



# Minnesota Pollution Control Agency

Detroit Lakes Office | 714 Lake Avenue | Suite 220 | Detroit Lakes, MN 56501 | 218-847-1519

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## **Solid Waste Management Facility Permit**

Beltrami County Demolition Landfill

**Permit:** SW-306

**Action:** PER008

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In accordance with Minn. Stat. Chs. 115, 115A, and 116, and Minn. Rules 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 Beltrami County Demolition Landfill, SW-306 under the conditions set forth in this permit.

The facility consists of 17 acres located in: Township 146 N, Range 33 W, Section 35, Beltrami County, in the MPCA Detroit Lakes Region. The facility includes the following waste activity area(s):

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: \_\_\_\_\_

Permit Modified Date:

Minnesota Pollution Control Agency

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Paula J. Connell, P.E.

Supervisor, Solid Waste Permitting Unit

Policy, Local Government Assistance, and Solid Waste Section

Municipal Division

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**Solid Waste Management Facility Permit**

Beltrami County Demolition Landfill

**Permit:** SW-306

**Action:** PER008

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The following permittee(s) are authorized to construct and operate the Beltrami County Demolition Landfill, SW-306 under the conditions set forth in this permit.

**Permittee Activity Owner:**

Beltrami County

**Address:**

701 Minnesota Ave NW Ste 113  
Bemidji, MN 56601

**Permittee Land Owner:**

Beltrami County

**Address:**

701 Minnesota Ave NW Ste 113  
Bemidji, MN 56601

**Permittee Operator:**

**Address:**

751 Industrial Park Dr SE  
Bemidji, MN 56601

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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, 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, 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.
- 1.1.6 "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 five-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.

#### **1.1.13 Permit Compliance**

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**TOTAL FACILITY**

**General**

- 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 Location**

- 1.1.17 The facility authorized by this permit is located on a 17-acre parcel in Section 35, T146N, R33W, Bemidji Township, Beltrami County, Minnesota. The facility address is:  
2331 N Plantagenet Rd SE  
Bemidji, Minnesota 56601

**1.1.18 Facility History**

- 1.1.19 The facility is a demolition debris land disposal facility which was originally permitted by the MPCA on March 23, 1987. The original permit was to be developed in three phases for a capacity of 125,000 cubic yards of waste and material to maintain the 50-foot separation from the property boundary. The permit was modified and reissued on January 24, 1995, to allow for a vertical expansion over the three phases to a capacity of 199,900 cubic yards. On May 22, 2003, the permit was again modified and reissued to allow for an expansion to a fourth phase and a total capacity of 292,300 cubic yards.
- 1.1.20 In December 2008 the MPCA was notified of a change in ownership and control for the landfill operator from Magnuson Trucking and Leasing to Waste Management of Minnesota, Inc.

**1.1.21 Facility Description**

- 1.1.22 The demolition landfill is to be developed in seven phases occupying approximately 13 acres of the site and have a total airspace capacity of 569,172 cubic yards. This permit authorizes the construction and development of the facility through Phase 7 for a permitted capacity of 569,172 cubic yards. It is designated as DD001 under this permit.
- 1.1.23 The facility accepts concrete for temporary storage prior to crushing and recycling. The concrete storage area is designated as RE001 under this permit. The facility also accepts yard waste for composting, designated as YW001 in this permit.

**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 Approved Plans**

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**Permit Documents**

1.2.2 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 and submittal 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 complete permit application approved by this permit is signed and dated January 5, 2012.

**1.2.5 Engineering Documents**

1.2.6 The engineering documents approved by this permit include:

1. Stormwater calculation prepared by Freeberg & Grund, Inc. received December 22, 2005
2. Engineering Report prepared by Freeberg & Grund, Inc. revised January 2012.
3. Quality Assurance & Quality Control Plan prepared by Freeberg & Grund, Inc. dated January 2012
4. Operations Manual dated January 2012
5. Emergency Procedure Manual dated January 2012
6. Industrial Solid Waste Management Plan prepared by Beltrami County dated April 28, 2006

**1.2.7 Hydrogeologic Evaluation Documents**

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

1. Limited Hydrogeologic Study dated May 20, 1992
2. Hydrogeologic Evaluation and Work Plan for Installation of Additional Monitoring Wells dated July 21, 2004
3. Monitoring Well Installation Report dated November 12, 2004
4. Compliance Boundary included in the Hydrogeologic Evaluation and Work Plan for Installation of Additional Monitoring Wells dated July 21, 2004
5. Monitoring Well Installation Report dated April 30, 2007 (Braun Intertech)
6. Groundwater Monitoring System Evaluation Report dated July 16, 2008 (Braun Intertech)
7. Additional Groundwater Investigation Report dated October 7, 2009 (Braun Intertech)
8. 2010 Monitoring Well Installation Report dated July 15, 2010 (Braun Intertech)
9. Hydrogeologic Evaluation Form and attachment dated January 1, 2011 (Braun Intertech)

**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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### **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.

#### **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**

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**Operating and Maintenance Criteria**

- 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 Personnel Training**
- 1.4.4 Facility personnel must successfully complete a program of classroom instruction or on-the-job training to maintain compliance with Minn. R. 7035.2525 to 7035.2915.
- 1.4.5 Operations Manual**
- 1.4.6 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.
- 1.4.7 Security**
- 1.4.8 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.
- 1.4.9 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 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 specific wastes for treatment storage, processing, or disposal in accordance with Minn. R. 7035.2535, subp. 1.

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**TOTAL FACILITY**

**Operating and Maintenance Criteria**

**1.4.22 Household Hazardous Waste Management Plan**

1.4.23 The permittee must develop a household hazardous waste management for each waste activity in accordance with Minn. R. 7035.2535, subp. 6.

**1.4.24 Stormwater Management System**

1.4.25 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.

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

1.4.27 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.

**1.4.28 Emergency Equipment**

1.4.29 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.

**1.4.30 Operating Record**

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

**1.4.32 Self Inspection**

1.4.33 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.

**1.4.34 Emergency Procedures Manual**

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

**1.4.36 Contingency Action Plan**

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

**1.4.38 Closure Plan**

1.4.39 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.

**1.4.40 Postclosure Plan**



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**TOTAL FACILITY**

**Operating and Maintenance Criteria**

- 1.4.41 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 monitoring report as described in Minn. R. 7035.2815 Subp. 14. Q. by February 1 of each year to include a map of groundwater flow, and a discussion on the adequacy of the monitoring network as it relates to groundwater flow and chemistry.
- 1.5.3 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.

**1.5.4 Electronic Data Reporting**

- 1.5.5 The permittee shall submit an electronic copy of all water quality monitoring 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.
- 1.5.6 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.

**1.5.7 Monitoring Station Location Information**

- 1.5.8 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.

**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 hire 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 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.

**1.6.9 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 Closure Plan**

1.7.2 The permittee must close the facility and each waste activity as specified in the approved plan 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.

**1.8.3 Postclosure Care**

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**TOTAL FACILITY**

**Postclosure Criteria**

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 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.

**1.8.6 Postclosure Use of Property**

1.8.7 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.

**1.10.11 Operation and Maintenance**

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**TOTAL FACILITY**

**General Conditions**

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.

**1.10.21 Notification of Noncompliance**

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**General Conditions**

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.

**1.10.35 Extensions**

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**General Conditions**

- 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.

**1.10.45 Financial Assurance**

- 1.10.46 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.
- 1.10.47 The permittee is not required to establish a financial assurance mechanism at this time.

**1.11 Specific Conditions**

**1.11.1 Specific Conditions**

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**TOTAL FACILITY**

**Specific Conditions**

- 1.11.2 Unless otherwise approved by the commissioner, the analytic reporting limits must be equal to or lower than the intervention limits for each of the parameters that are sampled for at the facility.
- 1.11.3 Within ninety days of permit issuance the permittee must submit to the MPCA a monitoring well installation workplan for the installation of an additional monitoring well.
- 1.11.4 Within ninety days of MPCA approval of the monitoring well installation workplan the monitoring well must be installed. Within 90 days of installation of the monitoring well a monitoring well installation report must be submitted to the MPCA along with an up-dated Sampling and Analysis Plan.

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

#### **2.1.7 Cover Design**

2.1.8 The cover system must be designed in accordance with 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 MPCA's Demolition Landfill Guidance (August 2005) this landfill is a Class I Facility.

#### **2.2.3 Acceptable Wastes**

2.2.4 In accordance with the MPCA's Demolition Landfill Guidance (August 2005), "construction and demolition (C&D) debris" is material resulting from the alteration, construction, destruction, rehabilitation, or repair of physical structures such as houses, buildings, industrial or commercial facilities, and roadways. Acceptable C&D waste list includes:

Bituminous concrete (includes asphalt pavement and blacktop); concrete (including rebar); stone; uncontaminated soil; masonry (bricks, stucco and plaster); untreated wood (including painted, stained and/or varnished dimensional lumber, pallets, tree stumps, grubbing, root balls, 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.

#### **2.2.5 Non-Acceptable Wastes**



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**DEMOLITION DEBRIS DISPOSAL AREA DD 001**

**Operating and Maintenance Criteria**

- 2.2.6 The following materials are considered to be non-acceptable or prohibited wastes for disposal in this waste activity area:

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); 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.

**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 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**

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**DEMOLITION DEBRIS DISPOSAL AREA DD 001**

**Operating and Maintenance Criteria**

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.

**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 Systems**

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.

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**DEMOLITION DEBRIS DISPOSAL AREA DD 001**

## **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 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 Groundwater Performance Standards**

2.3.6 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.

### **2.3.7 Exceedence of Intervention Limit**

2.3.8 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.

### **2.3.9 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 Surface Water Quality Sampling and Analysis**

2.3.12 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.

### **2.3.13 Background Water Quality Monitoring**

2.3.14 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.

### **2.3.15 Monitoring Protocol**

2.3.16 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 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.

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### **3. SOLID WASTE RECYCLING AREA RE 001**

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

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

3.1.2 The permittee must construct the solid waste recycling area in accordance with the approved plans and specifications. Storage of waste on-site must comply with Minn. R. 7035.2855.

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

3.1.4 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 Operation Requirements**

3.2.2 The permittee of a recycling area must comply with the operation requirements of Minn. R. 7035.2845, subp. 4

##### **3.2.3 Residual Materials**

3.2.4 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.

##### **3.2.5 Surface Water Drainage**

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

#### **3.3 Contingency Action Criteria**

##### **3.3.1 Contingency Action Plan**

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

##### **3.3.3 Closure**

3.3.4 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 Notification Requirements**

4.1.2 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.

###### **4.1.3 Compost Turning**

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

###### **4.1.5 Inert Materials**

4.1.6 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, sub item (3).

###### **4.1.7 By-product Storage**

4.1.8 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.

###### **4.1.9 Surface Water**

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

4.1.11 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.

##### **4.2 Reporting Criteria**

###### **4.2.1 Annual Report**

4.2.2 The permittee must submit an annual report to the commissioner 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: 06/18/2012

Facility: Beltrami County Demolition Landfill

Permit SW-306

Standard Landfill Monitoring Periods:

Spring: Mar-28 to May-14

Summer: Jul-01 to Jul-31

Fall: Oct-01 to Oct-31

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

This Limits Table applies to the following stations:

MW-10 , MW-11 , MW-4 , MW-5 , MW-6 , 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	150.0	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	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	
Acetone	676-41	175.0	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	
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	

Permit Issued:

Permit Expires:

# LIMITS TABLE

Comments:

Report Date: 06/18/2012

Facility: Beltrami County Demolition Landfill

Permit SW-306

Standard Landfill Monitoring Periods:

Spring: Mar-28 to May-14

Summer: Jul-01 to Jul-31

Fall: Oct-01 to Oct-31

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

This Limits Table applies to the following stations:

MW-10 , MW-11 , MW-4 , MW-5 , MW-6 , MW-8 , MW-9

Analyte	CAS/EMMI#	Intervention Limit	Units	Frequency	Comments
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	If total Cr > 100 ug/L must speciate for CR +6
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	
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	1.25	ug/L	Fall	
Manganese	743-99-65	75.0	ug/L	Fall	
Mercury	743-99-76	0.5	ug/L	Fall	

Permit Issued:

Permit Expires:

# LIMITS TABLE

Comments:

Report Date: 06/18/2012

Facility: Beltrami County Demolition Landfill

Permit SW-306

Standard Landfill Monitoring Periods:

Spring: Mar-28 to May-14

Summer: Jul-01 to Jul-31

Fall: Oct-01 to Oct-31

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

This Limits Table applies to the following stations:

MW-10 , MW-11 , MW-4 , MW-5 , MW-6 , MW-8 , MW-9

Analyte	CAS/EMMI#	Intervention Limit	Units	Frequency	Comments
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	
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	
Temperature	T-1-21	-	Deg C	Spring and Fall	
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	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:



## LIMITS TABLE

Comments:

Report Date: 06/18/2012

Facility: Beltrami County Demolition Landfill

Permit SW-306

Standard Landfill Monitoring Periods:

Spring: Mar-28 to May-14

Summer: Jul-01 to Jul-31

Fall: Oct-01 to Oct-31

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

This Limits Table applies to the following stations:

MW-2 , MW-3

Analyte	CAS/EMMI#	Intervention Limit	Units	Frequency	Comments
Static Water Level (Elevation, MSL)	PCA-00-1	-	ft	Spring and Fall	

Permit Issued:

Permit Expires:

# LIMITS TABLE

Comments:

Report Date: 06/18/2012

Facility: Beltrami County Demolition Landfill

Permit SW-306

Standard Landfill Monitoring Periods:

Spring: Mar-28 to May-14

Summer: Jul-01 to Jul-31

Fall: Oct-01 to Oct-31

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

This Limits Table applies to the following stations:

Sedimentation Basin

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	150.0	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	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	17.5	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	
Acetone	676-41	175.0	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	
Arsenic	744-03-82	2.5	ug/L	Spring and Fall	
Barium	744-03-93	500.0	ug/L	Spring and Fall	
Benzene	714-32	2.5	ug/L	Spring and Fall	

Permit Issued:

Permit Expires:

# LIMITS TABLE

Comments:

Report Date: 06/18/2012

Facility: Beltrami County Demolition Landfill

Permit SW-306

Standard Landfill Monitoring Periods:

Spring: Mar-28 to May-14

Summer: Jul-01 to Jul-31

Fall: Oct-01 to Oct-31

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

This Limits Table applies to the following stations:

Sedimentation Basin

Analyte	CAS/EMMI#	Intervention Limit	Units	Frequency	Comments
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	1.0	ug/L	Spring and Fall	
Carbon tetrachloride	562-35	0.75	ug/L	Spring and Fall	
Chloride	168-87-006	-	mg/L	Spring and 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	15.0	ug/L	Spring and Fall	
Chloromethane; (Methyl chloride)	748-73	-	ug/L	Spring and Fall	
Chromium	744-04-73	25.0	ug/L	Spring and Fall	
cis-1,3-Dichloropropene	100-61-015	0.5	ug/L	Spring and Fall	
Copper	744-05-08	250.0	ug/L	Spring and 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	12.5	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	
Lead	743-99-21	1.25	ug/L	Spring and Fall	
Mercury	743-99-76	0.5	ug/L	Spring and 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	

Permit Issued:

Permit Expires:

# LIMITS TABLE

Comments:

Report Date: 06/18/2012

Facility: Beltrami County Demolition Landfill

Permit SW-306

Standard Landfill Monitoring Periods:

Spring: Mar-28 to May-14

Summer: Jul-01 to Jul-31

Fall: Oct-01 to Oct-31

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

This Limits Table applies to the following stations:

Sedimentation Basin

Analyte	CAS/EMMI#	Intervention Limit	Units	Frequency	Comments
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 (as Nitrogen)	147-97-558	2,500.0	ug/L	Spring and 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	
Specific Conductance	C-0-11	-	umho/cm	Spring and Fall	
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	Spring and Fall	
Temperature	T-1-21	-	Deg C	Spring and Fall	
tert-Butyl Benzene	980-66	-	ug/L	Spring and Fall	
Tetrachloroethylene; (Perchloroethylene)	127-18-4	1.75	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	7.5	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	2,500.0	ug/L	Spring and Fall	

Permit Issued:

Permit Expires:

## Required Actions and Submittals Table

Report Date: 06/18/2012

Facility: Beltrami County Demolition Landfill

Permit SW-306

Action: PER008

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Subject Item I.D. Total Facility

### Required Actions/Submittals

Frequency/Due Date	Action or Submittal	Requirement
TBD	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.
TBD	Submit	Within ninety days of permit issuance the permittee must submit to the MPCA a monitoring well installation workplan for the installation of an additional monitoring well.
TBD	Submit Sampling and Analysis Protocol	Within ninety days of MPCA approval of the monitoring well installation workplan the monitoring well must be installed. Within 90 days of installation of the monitoring well a monitoring well installation report must be submitted to the MPCA along with an up-dated Sampling and Analysis Plan.
Annually	Submit Annual Water Monitoring Evaluation Report	The permittee must submit an annual monitoring report as described in Minn. R. 7035.2815 Subp. 14. Q. by February 1 of each year to include a map of groundwater flow, and a discussion on the adequacy of the monitoring network as it relates to groundwater flow and chemistry.

Subject Item I.D. DD001

### Required Actions/Submittals

Frequency/Due Date	Action or Submittal	Requirement
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 autumn water monitoring report may be included with the annual monitoring report.
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.

Waste Capacity Table

Report Date: 06/18/2012  
Facility: Beltrami County Demolition Landfill  
Permit SW-306  
Action: PER008

<i>DRAFT</i>		<i>DRAFT</i>	<i>DRAFT</i>	<i>DRAFT</i>	<i>DRAFT</i>	<i>DRAFT</i>	<i>DRAFT</i>	<i>DRAFT</i>	
WA ID	Waste Activity Type	Status	Permitted Area	Units	Permitted Capacity	Units	Design Capacity	Units	Comments
DD001	Demolition Debris Disposal Area	Open	13.00	acres	569,172.00	cubic yards	569,172.00	cubic yards	
RE001	Solid Waste Recycling Area	Open	1.00	acres	30,000.00	tons	30,000.00	tons	
YC001	Yard Waste Composting Area	Open	2.00	acres	10,000.00	tons	10,000.00	tons	