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**Solid Waste Management Facility Permit**

**Permit:** SW-333

TK Demolition Disposal LLC

**Action:** PER004

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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 permittees listed on the following page to construct and operate the TK Demolition Disposal LLC, SW-333 under the conditions set forth in this permit.

The facility consists of 80 acres located in: Township 123 North, Range 30 West, Section 16, Stearns County, in the MPCA Brainerd Region. The facility includes the following waste activity areas:

|                                 |       |
|---------------------------------|-------|
| Demolition Debris Disposal Area | DD001 |
| Other Composting                | OC001 |
| Solid Waste Recycling Area      | RE001 |

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

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Paula J. Connell, P.E.  
Supervisor, Solid Waste Permitting Unit  
St. Paul Office  
Resource Management & Assistance Division

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**Solid Waste Management Facility Permit**

TK Demolition Disposal LLC

**Permit:** SW-333

**Action:** PER004

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The following permittees are authorized to construct and operate the TK Demolition Disposal LLC, SW-333 under the conditions set forth in this permit.

**Permittee Activity Owner:**

TK Demolition Disposal LLC

Tom Kraemer

**Address:**

P.O. Box 443

Cold Spring, MN 56320-0443

**Permittee Land Owner:**

TK Demolition Disposal LLC

Tom Kraemer

**Address:**

P.O. Box 443

Cold Spring, MN 56320-0443

**Permittee Operator:**

Tim Kraemer

Brian Kraemer

**Address:**

P.O. Box 443

Cold Spring, MN 56320-0443

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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 "Class II Demolition Landfill" means a demolition landfill that is allowed to accept some waste types in addition to those defined as "Acceptable C & D Wastes." These waste types include incidental nonrecyclable packaging consisting of paper, cardboard and plastic; and demo-like industrial wastes comprised of wood, concrete, porcelain fixtures, shingles or window glass. Waste screening and groundwater monitoring are required at a Class II demolition landfill. Based upon soil type, depth to groundwater and the nature of the debris that is accepted at the facility, a Class II demolition landfill may require the installation of a liner and leachate management system.
- 1.1.6 "Class III Demolition Landfill" means a demolition landfill that can accept most industrial wastes in addition to all demolition and construction wastes. Groundwater monitoring, waste screening and a liner and leachate management system are required at this type of facility.
- 1.1.7 "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.
- 1.1.8 "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.
- 1.1.9 "Facility" has the meaning given in Minn. R. 7035.0300, subp. 37.

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**TOTAL FACILITY**

**General**

- 1.1.10 "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.
- 1.1.11 "Permittee" means the landowner, facility owner(s), and facility operator(s).
- 1.1.12 "Waste Activity" means the storage, processing, transfer, utilization, treatment, or disposal of solid waste and waste by-products.
- 1.1.13 "Waste Activity Area" means the land, structures, monitoring devices, and other appurtenances and improvements on the land associated with a waste activity.

**1.1.14 Location**

- 1.1.15 The demolition landfill currently occupies approximately 50 acres of an 80 acre parcel and is located in the W 1/2, SW 1/4 of Section 13, Township 123 N, Range 30 W, Wakefield Township, Stearns County, Minnesota. From Cold Spring, MN the landfill is one and one half miles west on County Road 158.  
Facility Address:  
TK Demolition Disposal, LLC.  
16820 County Road 158  
Cold Spring, MN 56320

**1.1.16 Facility History**

- 1.1.17 On April 6, 1989 the Minnesota Pollution Control Agency (MPCA) issued permit SW-333 to TK Demolition Disposal, Inc. The permit authorized the construction of the demolition debris landfill with disposal of 75,000 cubic yards of debris.

The facility was repermited in September 1994 for an additional disposal volume of 90,000 cubic yards. The estimated ultimate landfill capacity stated in this permit was 335,000 cubic yards.

In February 2000, the facility was repermited for land disposal of an additional 175,000 cubic yards of demolition debris, yard waste composting, burning brush with a burning permit, and storage of concrete and bituminous prior to crushing and recycling.

The January 2005 permit recognized an in-place capacity of 340,000 cubic yards and authorized disposal of 267,000 cubic yards for a permitted capacity of 607,000 cubic yards. Disposal operations were in Phases 1 through 13 as detailed on the plan sheets. The total capacity of the landfill was estimated at 630,000 cubic yards of demolition debris and cover material.

**1.1.18 Facility Description**

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**TOTAL FACILITY**

**General**

1.1.19 This reissued ten year permit authorizes additional airspace disposal capacity of 427,678 cubic yards in redesigned phases 1 through 12 of the approved plans. This is the remaining disposal capacity for the landfill. The five year average waste acceptance for the facility is approximately 34,000 cubic yards/year. The in-place waste capacity at the facility is approximately 594,226 cubic yards as of the 2011 annual survey. The permitted capacity includes previously filled airspace, 10-years of airspace for the permit and can include up to an additional five years of airspace. The permitted capacity is therefore limited by the design capacity of 1,021,904 cubic yards. The remaining site life based on the current design is approximately 14 years.

The Demolition Landfill Guidance, August 2006, has been applied to this facility. The facility is a Class 1 demolition landfill with groundwater monitoring. Waste screening is required to remove unacceptable materials before pushing the waste to the working face of the landfill.

In addition to landfill operations: approximately 2,500 cubic yards of yard waste are composted annually at the facility; white goods are collected and shipped off for recycling; concrete, bituminous and rock are stockpiled prior to crushing and recycling; wood pallets are stored for shredding; and the local fire authority may permit the facility to stockpile and burn brush in the southeast corner of the property.

The permittee operates a municipal solid waste transfer facility at the entrance of the facility, which is not covered by this permit.

**1.1.20 Waste Activities**

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

**1.1.22 Permit Compliance**

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

1.1.24 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.

**1.1.25 Required Notices**

1.1.26 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**

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**TOTAL FACILITY**

**Permit Documents**

1.2.2 The permit application approved by this permit is signed and dated October 6, 2009.

**1.2.3 Engineering Documents**

1.2.4 The following engineering documents are approved by this permit.

Engineering Report, Facility Permit Reissuance, TK Demolition Disposal, LLC. Permit No. SW-333 by Widseth Smith Nolting, dated July 30, 2012 and including:  
- Facility Operations Plan;  
- Contingency Action Plan;  
- Closure/Postclosure Plan;  
- Closure and Post-closure Cost Estimates; and  
- Industrial Solid Waste Management Plan, with updated pages 2 and 3 submitted October 4, 2012

Engineering Plans/Drawings, sheets 1 through 12 dated July 24, 2012 and prepared by Widseth Smith Nolting.

**1.2.5 Hydrogeologic Evaluation Documents**

1.2.6 The hydrogeologic evaluation documents previously approved include:

1. Engineering Report: Demolition Debris Disposal Facility Permit Application for TK Demolition Disposal, Widseth Smith Nolting, January 1989.
2. Ground Water Quality Monitoring System Installation Work Plan for TK Demolition Disposal, Widseth Smith Nolting, November 1996.
3. Ground Water Monitoring Report for TK Demolition Disposal, Widseth Smith Nolting, April 1998.
4. 1998 Ground Water Monitoring Report for TK Demolition Disposal, Widseth Smith Nolting, January 1999.
5. Engineering Report: Facility Permit Reissuance for TK Demolition Disposal, Widseth Smith Nolting, July 1999.
6. Engineering Report, Facility Permit Reissuance for TK Demolition Disposal, Inc. Widseth Smith Nolting, August 2004.

1.2.7 Hydrogeologic documents incorporated into this permit included:

- Hydrogeologic investigation work plan, Widseth Smith Nolting, August 2011.
- MPCA comments, Hydrogeologic work plan, Sept. 13, 2011.
- Hydrogeologic Investigation Report TK Demolition Landfill, Widseth Smith Nolting, January 11, 2012.
- MPCA comments, Hydrogeologic Investigation Report, February 7, 2012.
- Response to MPCA comments, Widseth Smith Nolting, February 28, 2012.
- MPCA, response to comments, April 4, 2012.

**1.2.8 Approved Plans**

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**Permit Documents**

1.2.9 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.

**1.2.10 Revised Plans**

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

**1.3 Design and Construction Criteria**

**1.3.1 Location Standards**

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

**1.3.3 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 Construction Plan**

1.3.8 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.

**1.3.9 Construction Notification**

1.3.10 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.

**1.3.11 Construction Certification**

1.3.12 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.

**1.3.13 Alterations and Additions**

1.3.14 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.

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**TOTAL FACILITY**

**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.

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**

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**TOTAL FACILITY**

**Operating and Maintenance Criteria**

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 management for each waste activity as specified in the approved plan in accordance with Minn. R. 7035.2535, subp. 6.

**1.4.26 Stormwater Management System**

1.4.27 The permittee must operate and maintain the stormwater management system for the facility with Best Management Practices to manage stormwater discharges in accordance with the National Pollutant Discharge Elimination System/State Disposal System (NPDES/SDS) Permit for the discharge of stormwater associated with an industrial activity and/or a construction activity.

**1.4.28 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**

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**

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**TOTAL FACILITY**

**Operating and Maintenance Criteria**

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.

**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.

**1.6 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 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.

**1.6.6 Emergency Procedures**

1.6.7 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**

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**Closure Criteria**

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 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.

**1.10 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.

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**TOTAL FACILITY**

**General Conditions**

**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.

**1.10.19 Discovery of Noncompliance**

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**General Conditions**

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**

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.

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**TOTAL FACILITY**

**General Conditions**

**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.

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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. 7035.2825, subp. 9. H. a minimum separation distance of 50 feet must be maintained between the fill boundaries and the property line.

#### **2.1.4 Design Requirements**

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

#### **2.1.6 Cover Design**

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

2.1.8 The approved cover design consists of twelve inches of compacted base soil, overlain by six inches of subsoil with water holding capacity capable of sustaining vegetation, overlain by six inches of topsoil or compost amended soil. The site shall be graded to a minimum two percent and maximum 20 percent slope and seeded with a suitable grass mixture. Fertilizer shall be applied as necessary to establish a healthy stand of vegetation.

#### **2.1.9 Storm Water Management System**

2.1.10 The permittee shall construct and certify the storm water management system for the disposal area with Best Management Practices to manage storm water discharges 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.

2.1.11 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.

2.1.12 The permittee shall construct and maintain a berm along the southwest edge of the landfill to direct stormwater runoff to a pond that shall be constructed as designed on revised plan sheet 3 of 10, dated October 20, 2004.

The permittee shall construct berms as necessary to direct stormwater to a sedimentation basin directly south of the landfill as shown on sheet 6 of 12, dated July 7, 2012.

#### **2.1.13 Water Monitoring Systems**

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

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**DEMOLITION DEBRIS DISPOSAL AREA DD 001**

**Design and Construction Criteria**

- 2.1.15 Within sixty (60) days on issuance of the permit, the permittee shall submit a work plan for the installation of a new monitoring well to be located approximately 200 - 300 feet northwest of MW-2. This new well shall be screened at the water table.

**2.2 Operating and Maintenance Criteria**

**2.2.1 Facility Classification**

- 2.2.2 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.

**2.2.3 Acceptable Wastes**

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

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

**2.2.7 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**

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**DEMOLITION DEBRIS DISPOSAL AREA DD 001**

**Operating and Maintenance Criteria**

- 2.2.14 The permittee must develop the site in phases in accordance with the approved plans. Each phase must provide for filling in a manner to achieve final waste elevations as rapidly as possible. The phases must be designed and constructed to minimize moisture infiltration into the fill areas while maintaining stable slopes and appropriate operating conditions. The permittee must consider seasonal phases in order to accommodate the differences between wet and dry and warm and cold weather operations. The permittee must bring each phase to the final waste contours as shown on the approved phase development plans and close the phase according to the approved facility closure plan.
- 2.2.15 Staking of Fill Phases**
- 2.2.16 The permittee must stake each fill phase of the landfill to establish the horizontal and vertical limits of the permitted area.
- 2.2.17 Waste Screening**
- 2.2.18 The permittee must establish a Waste Screening Area (WSA) at the landfill, and must separate the WSA from the active working face. The WSA must be located within 50 feet of the active working face, and must be delineated by physical barriers such as logs, chains or cones.
- 2.2.19 The permittee must pre-inspect each load before it enters the waste disposal area. Loads containing large quantities of unacceptable materials should be diverted to another waste facility authorized to accept those materials. Loads that are allowed to enter the waste disposal area must be unloaded in the established WSA for the removal of unacceptable material prior to the placement of the waste in the working face for spreading and compaction. Unacceptable materials must be stored appropriately and transferred to an appropriate disposal facility at least once per week.
- 2.2.20 The permittee must not place more waste in the WSA than can be managed in one working day.
- 2.2.21 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.
- 2.2.22 Spreading and Compaction**
- 2.2.23 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.
- 2.2.24 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.
- 2.2.25 Monthly Cover**
- 2.2.26 The permittee must completely cover all waste on a monthly basis at a minimum.
- 2.2.27 Cover Material Stockpile**

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**DEMOLITION DEBRIS DISPOSAL AREA DD 001**

**Operating and Maintenance Criteria**

2.2.28 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.

**2.2.29 Final Cover**

2.2.30 The permittee must maintain the final cover system on all closed portions of the active waste disposal area at a minimum 2 percent and maximum 20 percent slope. The permittee must maintain the final cover of the fill area to prevent erosion of surface and side slopes due to surface water, reduce wind erosion, minimize particulate matter, retain slope stability, minimize vector intrusion and maintain vegetative growth.

**2.2.31 Water Monitoring System Maintenance**

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

**2.3 Monitoring Criteria**

**2.3.1 Water Quality Monitoring**

2.3.2 As outlined in Minn. R. 7035.2825, subp. 12, the commissioner may require water quality monitoring for the disposal area. The monitoring requirements are contained in the Limits Tables of this permit.

**2.3.3 Hydrogeologic Evaluation**

2.3.4 The permittee must complete a hydrogeologic evaluation in accordance with Minn. R. 7035.2825 subp. 10 prior to any future landfill expansion beyond the approved landfill boundary.

**2.3.5 Compliance Boundary**

2.3.6 The permittee must establish compliance boundaries according to Minn. R. 7035.2815, subp. 4, items A through E. The facility compliance boundary is shown on plan sheet 2, dated August 17, 2004.

**2.3.7 Ground Water Performance Standards**

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 Exceedence of Intervention Limit**

2.3.10 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.

**2.3.11 Ground Water Quality Sampling and Analysis**

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**Monitoring Criteria**

2.3.12 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.

**2.3.13 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.

2.4.3 A spring water monitoring report must be submitted by June 30 of each year. This data shall be submitted in both an electronic format and hard copy. The data submitted shall contain both the analytical and field groundwater data. 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.

2.4.4 A summer water report must be submitted by September 30 of each year. This data shall be submitted in both electronic format and hard copy. The data submitted shall contain both the analytical and field groundwater data. The data submitted 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.

2.4.5 An autumn water monitoring report must be submitted by February 1 of each year. This data shall be submitted in both an electronic format and hard copy. The data submitted shall contain both the analytical and field groundwater data. 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.

**2.4.6 Annual Monitoring Evaluation**

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**DEMOLITION DEBRIS DISPOSAL AREA DD 001**

**Reporting Criteria**

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

**2.4.8 Annual Waste Activity Report**

2.4.9 The permittee shall submit an annual report in accordance with Minn. R. 7035.2585 and 7035.2825, subp. 9, item K. 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.

**2.5 Postclosure Criteria**

**2.5.1 Postclosure Care**

2.5.2 The permittee must perform postclosure care for a minimum of 20 years starting on the date the Commissioner approves the facility closure certification report.

**2.6 Financial Criteria**

**2.6.1 Financial Assurance**

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

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### **3. SOLID WASTE 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 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 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: 12/14/2012  
 Facility: TK Demolition Disposal LLC  
 Permit: SW-333

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-2 , MW-3 , MW-4 , MW-5

| Analyte                                     | CAS/EMMI# | Intervention Limit | Units | Frequency               | Comments |
|---|-----------|--------------------|-------|-------------------------|----------|
| 1,1,1,2-Tetrachloroethane                   | 630-20-6  | 17.5               | ug/L  | Spring                  |          |
| 1,1,1-Trichloroethane                       | 715-56    | 2,250.0            | ug/L  | Spring                  |          |
| 1,1,2,2-Tetrachloroethane                   | 793-45    | 0.5                | ug/L  | Spring                  |          |
| 1,1,2-Trichloroethane                       | 790-05    | 0.75               | ug/L  | Spring                  |          |
| 1,1,2-Trichlorotrifluoroethane              | 761-31    | -                  | mg/L  | Spring                  |          |
| 1,1-Dichloroethane                          | 753-43    | 25.0               | ug/L  | Spring                  |          |
| 1,1-Dichloroethylene;(Vinylidene chloride)  | 753-54    | 50.0               | ug/L  | Spring                  |          |
| 1,1-Dichloropropene                         | 563-58-6  | -                  | ug/L  | Spring                  |          |
| 1,2-(trans-) Dichloroethylene               | 156-60-5  | 10.0               | ug/L  | Spring                  |          |
| 1,2,3-Trichlorobenzene                      | 876-16    | -                  | ug/L  | Spring                  |          |
| 1,2,3-Trichloropropane                      | 961-84    | 0.00075            | ug/L  | Spring                  |          |
| 1,2,4-Trichlorobenzene                      | 120-82-1  | 1.0                | ug/L  | Spring                  |          |
| 1,2,4-Trimethylbenzene                      | 956-36    | 25.0               | ug/L  | Spring                  |          |
| 1,2-Dibromoethane;(Ethylene dibromide); EDB | 106-93-4  | 0.001              | ug/L  | Spring                  |          |
| 1,2-Dichlorobenzene (orth-)                 | 955-01    | 150.0              | ug/L  | Spring                  |          |
| 1,2-Dichloroethane                          | 107-06-2  | 0.25               | ug/L  | Spring                  |          |
| 1,2-Dichloroethylene (cis-)                 | 156-59-2  | 12.5               | ug/L  | Spring                  |          |
| 1,2-Dichloropropane                         | 788-75    | 1.25               | ug/L  | Spring                  |          |
| 1,3,5-Trimethylbenzene                      | 108-67-8  | 25.0               | ug/L  | Spring                  |          |
| 1,3-Dichlorobenzene (meta-)                 | 541-73-1  | 150.0              | ug/L  | Spring                  |          |
| 1,3-Dichloropropane                         | 142-28-9  | -                  | ug/L  | Spring                  |          |
| 1,4-Dichlorobenzene (para-)                 | 106-46-7  | 2.5                | ug/L  | Spring                  |          |
| 2,2-Dichloropropane                         | 594-20-7  | -                  | ug/L  | Spring                  |          |
| 2-Chlorotoluene (ortho-)                    | 954-98    | -                  | ug/L  | Spring                  |          |
| 4-Chlorotoluene (para-)                     | 106-43-4  | -                  | ug/L  | Spring                  |          |
| Acetone                                     | 676-41    | 1,000.0            | ug/L  | Spring                  |          |
| Alkalinity, Total as CaCO3                  | T-0-05    | -                  | mg/L  | Spring and Fall         |          |
| Allyl chloride; (3 chloropropene)           | 107-05-1  | 7.5                | ug/L  | Spring                  |          |
| Ammonia Nitrogen                            | 766-44-17 | -                  | mg/L  | Spring                  |          |
| Appearance                                  | 1         | -                  | N/A   | Spring, Summer and Fall |          |
| Arsenic                                     | 744-03-82 | 2.5                | ug/L  | Spring and Fall         |          |

Permit Issued:  
 Permit Expires:

# LIMITS TABLE

Comments:

Report Date: 12/14/2012  
 Facility: TK Demolition Disposal LLC  
 Permit: SW-333

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-2 , MW-3 , MW-4 , MW-5

| Analyte                                     | CAS/EMMI#  | Intervention Limit | Units | Frequency               | Comments |
|---|------------|--------------------|-------|-------------------------|----------|
| Barium                                      | 744-03-93  | 500.0              | ug/L  | Spring and Fall         |          |
| Benzene                                     | 714-32     | 0.5                | ug/L  | Spring                  |          |
| Boron                                       | 744-04-28  | 250.0              | ug/L  | Spring, Summer and Fall |          |
| Bromobenzene                                | 108-86-1   | -                  | ug/L  | Spring                  |          |
| Bromochloromethane (Chlorobromomethane)     | 749-75     | -                  | ug/L  | Spring                  |          |
| Bromodichloromethane (Dichlorobromomethane) | 752-74     | 1.5                | ug/L  | Spring                  |          |
| Bromoform                                   | 752-52     | 10.0               | ug/L  | Spring                  |          |
| Bromomethane (Methyl bromide)               | 748-39     | 2.5                | ug/L  | Spring                  |          |
| Cadmium                                     | 744-04-39  | 1.0                | ug/L  | Spring and Fall         |          |
| Calcium                                     | 744-07-02  | -                  | mg/L  | Spring                  |          |
| Carbon tetrachloride                        | 562-35     | 0.25               | ug/L  | Spring                  |          |
| Cation-Anion Balance                        | F84-1 -    | -                  | %     | Spring and Fall         |          |
| Chloride                                    | 168-87-006 | -                  | mg/L  | Spring and Fall         |          |
| Chlorobenzene; (monochlorobenzene)          | 108-90-7   | 25.0               | ug/L  | Spring                  |          |
| Chlorodibromomethane;(Dibromochloromethane) | 124-48-1   | 2.5                | ug/L  | Spring                  |          |
| Chloroethane                                | 750-03     | -                  | ug/L  | Spring                  |          |
| Chloroform                                  | 676-63     | 7.5                | ug/L  | Spring                  |          |
| Chloromethane; (Methyl chloride)            | 748-73     | -                  | ug/L  | Spring                  |          |
| Chromium                                    | 744-04-73  | 25.0               | ug/L  | Spring and Fall         |          |
| cis-1,3-Dichloropropene                     | 100-61-015 | -                  | ug/L  | Spring                  |          |
| Copper                                      | 744-05-08  | 250.0              | ug/L  | Spring and Fall         |          |
| Cumene; (Isopropylbenzene)                  | 988-28     | 75.0               | ug/L  | Spring                  |          |
| Dibromochloropropane; (DBCP)                | 961-28     | 0.05               | ug/L  | Spring                  |          |
| Dibromomethane; (Methylene bromide)         | 749-53     | -                  | ug/L  | Spring                  |          |
| Dichlorodifluoromethane                     | 757-18     | 175.0              | ug/L  | Spring                  |          |
| Dichlorofluoromethane                       | 754-34     | -                  | ug/L  | Spring                  |          |
| Dichloromethane; (Methylene chloride)       | 750-92     | 1.25               | ug/L  | Spring                  |          |
| Dissolved Oxygen, Field                     | T-1-05     | -                  | mg/L  | Spring and Fall         |          |
| Dissolved Solids, Total                     | C-0-10     | -                  | mg/L  | Spring and Fall         |          |
| Eh (Oxidation potential)                    | 4          | -                  | mV    | Spring and Fall         |          |
| Ethyl benzene                               | 100-41-4   | 12.5               | ug/L  | Spring                  |          |

Permit Issued:  
 Permit Expires:

# LIMITS TABLE

Comments:

Report Date: 12/14/2012  
 Facility: TK Demolition Disposal LLC  
 Permit: SW-333

Standard Landfill Monitoring Periods:

Spring: Mar-28 to Apr-28  
 Summer: Jul-01 to Aug-07  
 Fall: Oct-14 to Nov-14

**DRAFT DRAFT DRAFT**

This Limits Table applies to the following stations:  
 MW-1 , MW-2 , MW-3 , MW-4 , MW-5

| Analyte  | CAS/EMMI#  | Intervention Limit | Units   | Frequency               | Comments       |
|--|------------|--------------------|---------|-------------------------|----------------|
| Ethyl ether                                    | 602-97     | 50.0               | ug/L    | Spring                  |                |
| Hexachlorobutadiene                            | 876-83     | 0.25               | ug/L    | Spring                  |                |
| Iron   | 743-98-96  | -                  | ug/L    | Spring and Fall         |                |
| Lead   | 743-99-21  | -                  | ug/L    | Spring and Fall         |                |
| Magnesium                                      | 743-99-54  | -                  | ug/L    | Spring and Fall         |                |
| Manganese                                      | 743-99-65  | 25.0               | ug/L    | Spring and Fall         |                |
| Mercury  | 743-99-76  | 0.5                | ug/L    | Spring                  |                |
| Methyl ethyl ketone (MEK)                      | 789-33     | 1,000.0            | ug/L    | Spring                  |                |
| Methyl isobutyl ketone; (4-Methyl-2-pentanone) | 108-10-1   | 75.0               | ug/L    | Spring                  |                |
| Methyl tertiary-Butyl Ether (MTBE)             | 163-40-44  | -                  | ug/L    | Spring                  |                |
| Naphthalene                                    | 912-03     | 17.5               | ug/L    | Spring                  |                |
| n-Butyl Benzene                                | 104-51-8   | -                  | ug/L    | Spring                  |                |
| Nitrate + Nitrite                              | C-0-05     | 2,500.0            | ug/L    | Spring                  |                |
| n-Propyl benzene                               | 103-65-1   | -                  | ug/L    | Spring                  |                |
| pH   | C-0-06     | -                  | SU      | Spring, Summer and Fall | Field and Lab. |
| p-Isopropyltoluene                             | 998-76     | -                  | ug/L    | Spring                  |                |
| Potassium                                      | 744-00-97  | -                  | ug/L    | Spring                  |                |
| sec-Butyl Benzene                              | 135-98-8   | -                  | ug/L    | Spring                  |                |
| Sodium   | 744-02-35  | -                  | ug/L    | Spring                  |                |
| Specific Conductance                           | C-0-11     | -                  | umho/cm | Spring, Summer and Fall | Field and Lab. |
| Static Water Level (Elevation, MSL)            | PCA-00-1   | -                  | units   | Spring, Summer and Fall |                |
| Styrene  | 100-42-5   | 25.0               | ug/L    | Spring                  |                |
| Sulfate  | 148-08-798 | -                  | mg/L    | Spring                  |                |
| Suspended Solids, Total                        | C-0-09     | -                  | mg/L    | Spring and Fall         |                |
| Temperature                                    | T-1-21     | -                  | Deg C   | Spring, Summer and Fall | Field and Lab. |
| tert-Butyl Benzene                             | 980-66     | -                  | ug/L    | Spring                  |                |
| Tetrachloroethylene; (Perchloroethylene)       | 127-18-4   | 1.25               | ug/L    | Spring                  |                |
| Tetrahydrofuran                                | 109-99-9   | 25.0               | ug/L    | Spring                  |                |
| Toluene  | 108-88-3   | 50.0               | ug/L    | Spring                  |                |
| Trichloroethylene; (TCE)                       | 790-16     | 1.25               | ug/L    | Spring                  |                |
| Trichlorofluoromethane                         | 756-94     | 500.0              | ug/L    | Spring                  |                |

Permit Issued:

Permit Expires:

## LIMITS TABLE

Comments:

Report Date: 12/14/2012  
 Facility: TK Demolition Disposal LLC  
 Permit SW-333

Standard Landfill Monitoring Periods:

Spring: Mar-28 to Apr-28  
 Summer: Jul-01 to Aug-07  
 Fall: Oct-14 to Nov-14

**DRAFT DRAFT DRAFT**

This Limits Table applies to the following stations:  
 MW-1 , MW-2 , MW-3 , MW-4 , MW-5

| Analyte                        | CAS/EMMI# | Intervention Limit | Units | Frequency               | Comments |
|--------------------------------|-----------|--------------------|-------|-------------------------|----------|
| Turbidity, Field               | G-0-19    | -                  | NTU   | Spring, Summer and Fall |          |
| Vinyl chloride; (chloroethene) | 750-14    | 0.05               | ug/L  | Spring                  |          |
| Xylenes (mixture of o,m,p)     | 133-02-07 | 75.0               | ug/L  | Spring                  |          |
| Zinc                           | 744-06-66 | 500.0              | ug/L  | Spring and Fall         |          |

## Required Actions and Submittals Table

Report Date: 12/14/2012

Facility: TK Demolition Disposal LLC

Permit SW-333

Action: PER004

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

Subject Item I.D. Total Facility

**Required Actions/Submittals**

| Frequency/Due Date | Action or Submittal           | Requirement   |
|--------------------|-------------------------------|---|
| 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 include summary evaluation reports and specific annual reporting requirements for each waste activity. |

Subject Item I.D. DD001

**Required Actions/Submittals**

| Frequency/Due Date | Action or Submittal                                       | Requirement  |
|--------------------|---|--|
| Annually           | Submit Annual Waste Activity Report                       | An annual waste activity report for the demolition debris waste disposal area must be submitted by February 1 with the annual report. The report must include the specific items identified in Minn. R. 7035.2585 and 7035.2825, subp. 9, item K. Submit Annual Waste Activity Report: due 31 days after end of each calendar Year   |
| TBD                | Submit Water Quality Monitoring System Revision Work Plan | Within sixty (60) days on issuance of the permit, the permittee shall submit a work plan for the installation of a new monitoring well to be located approximately 200 - 300 feet northwest of MW-2. This new well shall be screened at the water table.   |
| Annually           | Submit Summer Water Monitoring Report                     | A summer water report must be submitted by September 30 of each year. This data shall be submitted in both electronic format and hard copy. The data submitted shall contain both the analytical and field groundwater data. The data submitted must be accompanied by information sufficient to establish the reliability, precision, and accuracy of the reported values, including the requirements of Minn. R. 7035.2815, subp. 14, item P.                        |
| Annually           | Submit Annual Water Monitoring Evaluation Report          | An annual water monitoring evaluation report must be submitted by February 1 of each year. The report must include a summary and discussion of the monitoring results for the preceding calendar year.   |
| Annually           | Submit Spring Water Monitoring Report                     | A spring water monitoring report must be submitted by June 30 of each year. This data shall be submitted in both an electronic format and hard copy. The data submitted shall contain both the analytical and field groundwater data. The water monitoring results must be accompanied by information sufficient to establish the reliability, precision, and accuracy of the reported values, including the requirements of Minn. R. 7035.2815, subp. 14, item P.     |
| Annually           | Submit Autumn Water Monitoring Report                     | An autumn water monitoring report must be submitted by February 1 of each year. This data shall be submitted in both an electronic format and hard copy. The data submitted shall contain both the analytical and field groundwater data. 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. |

Permit Issued:

Permit Expires:

## Required Actions and Submittals Table

Report Date: 12/14/2012

Facility: TK Demolition Disposal LLC

Permit SW-333

Action: PER004

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

Subject Item I.D. RE001

**Required Actions/Submittals**

| Frequency/Due Date | Action or Submittal                 | Requirement   |
|--------------------|-------------------------------------|---|
| Annually           | Submit Annual Waste Activity Report | An annual waste activity report for the solid waste recycling area must be submitted February 1 with the annual report. The report must include the specific items identified in Minn. R. 7035.2585 and 7035.2845, subp. 4, item C. |

# Waste Capacity Table

Report Date: 12/14/2012

Facility: TK Demolition Disposal LLC

Permit SW-333

Action: PER004

|       |                                 | <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         | 80.00          | acres        | 1,021,904.00       | cubic yards      | 1,021,904.00    | cubic yards      | The permitted capacity includes approximately 594,226 cubic yards of in-place waste and 427,678 cubic yards of airspace capacity. |  |
| OC001 | Other Composting                | Closed       | 5,000.00       | square feet  | 2,500.00           | cubic yards/year | 2,500.00        | cubic yards/year |   |  |
| RE001 | Solid Waste Recycling Area      | Open         | 5,000.00       | square feet  | 1,000.00           | cubic yards/year | 1,000.00        | cubic yards/year | Concrete, bituminous and natural stone stock piled prior to crushing and recycling.   |  |
| YC001 | Yard Waste Composting Area      | Open         | 5,000.00       | square feet  | 2,500.00           | cubic yards/year | 2,500.00        | cubic yards/year | Composting of yard waste only.  |  |