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**Solid Waste Facility Permit**

**SW-56-0001**

**Permittee:** Burnsville Sanitary Landfill, Inc.

**Facility name:** Burnsville Sanitary Landfill  
2650 Cliff Road West  
Burnsville, Minnesota 55337  
Dakota County

**Issuance date:** TBD

**Expiration date:** TBD

In accordance with Minn. Stat. chs. 115, 115A, and 116, and Minn. R. chs. 7000, 7001, and 7035, the Minnesota Pollution Control Agency (MPCA) hereby issues this permit and authorizes the Permittee listed on the following page to construct and operate the facility under the conditions set forth in this permit.

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.

This permit is effective on the issuance date identified above, and supersedes the previous permit that was issued for this facility. This permit expires at midnight on the expiration date identified above.

**Signature:** 

*This document has been electronically signed.*

Elizabeth Gawrys, Supervisor  
Solid Waste Section  
Resource Management and Assistance Division

*for the Minnesota Pollution Control Agency*

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**1. List of Permittees**

The following Permittee(s) are authorized to construct and operate the Burnsville Sanitary Landfill, SW-56-0001, under the conditions set forth in this permit.

**Permittee activity owner:**

Burnsville Sanitary Landfill, Inc.  
2650 Cliff Road West  
Burnsville, Minnesota 55337

**Permittee land owner:**

Burnsville Sanitary Landfill, Inc.  
2650 Cliff Road West  
Burnsville, Minnesota 55337

**Permittee operator:**

Burnsville Sanitary Landfill, Inc.  
2650 Cliff Road West  
Burnsville, Minnesota 55337

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## 2. Permitted facility description

The Burnsville Sanitary Landfill (Facility) is located at:

2650 Cliff Road West  
Burnsville, Minnesota 55337  
Dakota County

Burnsville Sanitary Landfill (BSL, Facility) is a mixed municipal solid waste (MSW) landfill located at 2650 Cliff Road West, Burnsville, Minnesota. With respect to the Public Land Survey System (PLSS), BSL is located within Section 32, Township 27 North, Range 24 West, Dakota County, Minnesota. BSL primarily serves the greater Twin Cities Metropolitan Area (TCMA), and a significant portion of the incoming waste is generated in Dakota County, Hennepin County, and Scott County. BSL is owned and operated by Burnsville Sanitary Landfill, Inc. (BSLI), a Minnesota corporation and wholly-owned subsidiary of Waste Management of Minnesota, Inc. (WMI).

BSL is situated within the Minnesota River valley, and the Facility's northern boundary abuts the floodplain on the south side of the river. The BSL property consists of approximately 362 acres, with approximately 181 acres currently developed as land disposal areas. Adjacent land use to the east, west, and south of BSL is predominantly commercial and industrial.

BSL has operated at this location since the early 1960s. On August 31, 1971, the MPCA issued an Interim Permit for Operation of Nonconforming Solid Waste Disposal Site to Edward Kramer & Sons, Inc. doing business as Burnsville Landfill. The Final Permit for BSL (SW-56) was issued on October 14, 1971, for a 152-acre facility known as the Burnsville Sanitary Landfill. Since that date, modifications and re-issuances of the permit have expanded the horizontal footprint and increased the capacity of BSL, and the following design elements have been incorporated to meet requirements of Federal and State rules as they were promulgated:

- 1992 Modification - Required that a composite liner and leachate collection system be utilized for future phases. Phases constructed prior to this modification have resulted in approximately 88 acres of waste disposal in unlined areas.
- 1993 Modification - Authorized the construction and operation of a landfill gas collection and utilization system. This system encompasses the entirety of the waste disposal area.

In 1997, Kraemer Mining and Materials (KMM) sold Burnsville Landfill to US Waste, who shortly thereafter sold to Waste Management, Inc. On July 6, 2000, the MPCA reissued permit SW-56 to Burnsville Sanitary Landfill, Inc. (a subsidiary of Waste Management of Minnesota, Inc.) authorizing the continued construction and operation of the Facility.

BSL's most recent solid waste permit was issued by the MPCA in 2011, and this permit expired in 2016. The Permittee has been allowed to continue operation of the Facility under the expired permit, as Minn. R. 7001.0160 allows a facility to operate in accordance with the terms and conditions of an expired permit until a new permit is issued. The current permit authorizes BSL to accept MSW, construction and demolition (C&D) debris, and industrial waste in their waste disposal areas, as well as operate a solid waste transfer area. BSL is also licensed by Dakota County and has an existing Planned Unit Development (PUD) agreement with the City of Burnsville.

This permit modification incorporates design changes for the Facility that reconfigure and reduce the ultimate waste footprint and allow for a vertical expansion. The previous Facility permit included an Industrial Waste Disposal Area, but this area has not been developed. The proposed expansion requests that this industrial waste disposal area be removed from the permit and replaced with a new MSW disposal area. The reconfigured waste footprint results in a reduction in the total waste disposal area from approximately 216 acres to 204 acres. The proposed horizontal expansion area totals approximately 13 acres and is referred to as the Annex Development Area (ADA).

The proposed vertical expansion would increase the finished height of the BSL from the currently permitted top elevation of 821.5 feet to a peak elevation of 1,082 feet, an increase of approximately 260 feet. This will result in a total ultimate design capacity of approximately 45 million cubic yards (CY), which is an increase of 16.5 million CY over the currently permitted ultimate design capacity. The current in-place waste volume is approximately 20.7 million CY, and BSL anticipates that this capacity increase would allow it to continue to accept waste through the year 2062.

A supplemental environmental impact statement (SEIS) was required under Minn. R. 4410.4400 subp. 13(E) for the proposed expansion project because it would be an expansion by 25 percent or more of previous capacity of a MMSW land disposal facility for 100,000 CY or more of waste fill per year. The final SEIS was published for public comment on December 7, 2021, and determined to be adequate by the Commissioner on February 23, 2022. Items identified in the SEIS have been considered during the review of the permit application and incorporated into the permit, as appropriate.

The MSW landfill disposal volume that can be developed is limited to the Certificate of Need (CON) capacity approved by the MPCA in the Findings of Fact dated April 22, 2022. The CON capacity granted to the landfill is 1,692,893 tons of new MMSW for a period of seven (7) years.

The 10-year volume allowed under this permit is 13,173,514 CY for MSW, demolition debris, industrial waste, remediation waste, and cover materials, bringing the total permitted capacity to 33,912,910 CY. Of this, approximately 2,752,184 CY is for demolition debris.

This permit governs the disposal areas described below:

- MSW Disposal Area: The fill area currently consists of approximately 181 acres of total disposal area, and approximately 167 acres of this area are for MSW disposal. Horizontal expansion into the ADA would increase this to 204 acres (191 acres for MSW disposal). The MSW disposal area is designated as Waste Activity SA 001 under this permit.
- Demolition Debris Land Disposal Area: The permittee operates a construction and demolition debris disposal area within the larger MSW Disposal Area, totaling approximately 14 acres. The demolition debris disposal area has been designated as Waste Activity DD 001 under this permit.

The Facility also operates a Citizen Drop-off Area for MSW, electronics, appliances, scrap metal, and tires. The Citizen Drop-off Area is designated as Waste Activity TR 001. Within the Citizen Drop-off Area, the Permittee is permitted to store the following items and quantities prior to being transported for disposal or recycling:

- 180 CY of MSW (ST 001) in covered roll-off containers;
- 150 CY of Appliances (RE 001) in an enclosed trailer;
- 150 CY of Electronics (RE 002) in an enclosed trailer;
- 30 CY of Scrap Metal (RE 003) in a covered roll-off container, and;
- 30 CY of Tires (TS 001) in a covered roll-off container.

Prior to any horizontal expansion in the ADA, the Permittee will need to obtain further permits or approvals from other entities to remove the landfill footprint from the floodplain (7035.2555 subp. 1) and from any wetlands (7035.2555 subp. 2(B)). The following activities will require additional permits or approvals: constructing the flood protection dike within the floodplain (regulated by the U.S. Army Corps of Engineers [USACE]), revisions to the floodplain maps (regulated by the Federal Emergency Management Agency [FEMA]), and wetland mitigation (regulated by the City of Burnsville serving as the responsible governmental unit [RGU]).

Landfill leachate generated at the Facility is piped directly to the Metropolitan Council Environmental Services (MCES) St. Paul Treatment Facility under a Special Discharge Permit. The Facility also maintains a dedicated 110,000-gallon above ground leachate storage tank to provide a backup storage option if leachate cannot be discharged to the sanitary sewer.

The environmental monitoring system for the Facility encompasses sampling parameters, sampling protocols, and sampling frequencies for groundwater, surface water, leachate, liner leak detection lysimeters, and landfill gas monitoring. Monitoring stations, parameters and sampling frequencies are listed in Sections 7, 8, and 9 of this permit, and sampling protocols are described in site-specific sampling and analysis plans for the Facility. Results from the environmental monitoring are reported to the MPCA and reviewed annually.

This permit will require the Permittee to comply with Restriction on Disposal under Minn. Stat. 473.848. Requirements for restrictions on disposal are further described in the body of this permit and in the May 25, 2021, Consent Decree, 19HA-CV-17-1650 (Consent Decree).

The Permittee will perform monitoring for per- and polyfluoroalkyl substances (PFAS) as described in the MPCA PFAS Monitoring Plan (dated March 2022). Monitoring as described in the MPCA PFAS Monitoring Plan will be performed under a Sampling and Analysis Plan addendum, a Memorandum of Understanding (MOU), or similar agreement, with any monitoring requirements and applicable standards outlined in that agreement.

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### 3. Permit requirements

SW-56	Total Facility
3.1.1	<b>General.</b>
3.1.2	"ACM" means Asbestos Containing Material. [Minn. Stat. 116.326, 71]
3.1.3	"Airspace" means the volume for filling with waste, considering all solid waste, daily, intermediate, intermittent and final cover materials, and design restrictions. [Minn. R. 7001.0150, subp. 2]
3.1.4	"Class III Demolition Landfill" means a demolition landfill that may accept all C & D wastes and most industrial wastes as defined by the facility's ISWMP. More than 50% of the waste disposed of must be C & D wastes. Groundwater monitoring, waste screening and a liner and leachate management system are required at this type of facility. [Minn. R. 7001.0150, subp. 2]
3.1.5	"Commissioner" means the Commissioner of the Minnesota Pollution Control Agency (MPCA), or any individual who is authorized to review and approve submittals on behalf of the Commissioner. [Minn. R. 4410.0300, subp. 16]
3.1.6	"Design Capacity" means the maximum estimated potential airspace to be occupied by a land disposal facility, including all cover systems. "Design capacity" is used only for planning purposes and is distinct from permitted capacity. "Design capacity" is an estimate dependent on the existing landholdings of the Permittee, existing regulations that affect development and design (including required buffer areas, stormwater management requirements, and slopes), engineering designs, and site developmental plans. It includes all areas that have been completed, all active areas, and all proposed areas based on the largest design footprint shown on the plan sheets. It is the volume that, upon final closure of the facility, would be occupied by waste (along with all associated materials including cover) measured from the base of the fill to the top of the proposed final cover. [Minn. R. 7035.0300, subp. 32]
3.1.7	"Facility" has the meaning given in Minn. R. 7035.0300, subp. 37. [Minn. R. 7035.0330, subp. 37]
3.1.8	"Permitted Capacity" means the total amount or acceptance rate allowed for storage, composting, processing, transfer or disposal at the facility as found in the Waste Capacity Table of this Permit. For land disposal facilities, "permitted capacity" as stated in the Waste Capacity Table includes the volume already filled by previous disposal activities, and airspace volume authorized to be used during the ten-year term of the current permit, including cover systems. [Minn. R. 7001.0150, subp. 2]
3.1.9	"Permittee" means the landowner, facility owner(s), and facility operator(s). [Minn. R. 7001.3060]
3.1.10	"Solid waste storage" means the holding of solid waste for more than 48 hours in quantities equal to or greater than ten cubic yards. [Minn. R. 7035.0300, subp. 104]
3.1.11	"Waste Activity" means the storage, processing, transfer, utilization, treatment, or disposal of solid waste and waste by-products. [Minn. R. 7001.0150, subp. 2]
3.1.12	"Waste Activity Area" means the land, structures, monitoring devices, and other appurtenances and improvements on the land associated with a waste activity. [Minn. R. 7001.0150, subp. 2]
3.1.13	The facility waste activities authorized by this permit are limited to those activities described in the Waste Capacity Table of this permit. [Minn. R. 7001.0150, subp. 2]
3.1.14	The Permittee shall keep the status of the permit current and up-to-date. [Minn. R. 7001.0150, subp. 2]
3.1.15	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. [Minn. R. 7001.0150, subp. 2]
3.1.16	The facility authorized by this permit is within the City of Burnsville on 362.1 acres located in Section 32, T27N, R24W, Dakota County, Minnesota. The facility address is:  The physical address is: 2650 Cliff Road West, Burnsville, Minnesota 55337  The mailing address is: 2650 Cliff Road West, Burnsville, Minnesota 55337. [Minn. R. 7001.0150, subp. 2]

3.1.17	<b>Facility History.</b>
3.1.18	<p>On August 31, 1971, the MPCA issued an Interim Permit for Operation of Nonconforming Solid Waste Disposal Site to Edward Kramer &amp; Sons, Inc. d/b/a Burnsville Landfill. Permit SW-56 was issued on October 14, 1971, for a 152-acre facility known as the Burnsville Sanitary Landfill. The permit included a variance concerning the distance from a municipal well and confined landfill operations to the existing landfill area and landfill area No. 1, while withholding decision on landfill areas No. 2 and 3. A November 21, 1974, Addendum to Permit No. SW-56 allowed a 20-foot vertical expansion of the existing landfill area. On February 20, 1976, the permit was amended to allow a north to south fill progression rather than the previously approved south to north progression.</p> <p>On June 23, 1981, the MPCA amended permit SW-56. The existing landfill occupied 85 acres and the permit allowed a horizontal expansion onto 17 new acres and a vertical expansion of 40 feet to a new maximum elevation of 800 feet. The permit listed a new remaining fill capacity of 3,900,000 cubic yards. A flood protection dike was required to be built prior to waste placement in Phase II. The MPCA further amended permit SW-56 on June 11, 1992, to authorize a modification of the final contours to elevation 808 without any increase in capacity or facility footprint. This permit also required that Phase 2B, which was the last section of the previously permitted footprint, be constructed with a composite liner and leachate collection system. A 1993 permit modification authorized the construction and operation of a landfill gas collection and utilization system at the facility.</p> <p>The MPCA reissued permit SW-56 on October 2, 1995, authorizing an increase in capacity and expansion of the waste footprint. The footprint expansion added 48.6 acres and provided an expansion design capacity of 6,052,000 cubic yards comprising of Phases 5, 6A, 6B, and 7 through 14. The permit authorized the construction of Phases 5, 6A, 6B and 7 for 1,937,000 cubic yards of permitted capacity.</p> <p>On July 6, 2000, the MPCA reissued permit SW-56 to Burnsville Sanitary Landfill, Inc. authorizing the continued construction and operation of the facility, including a permitted capacity of 4,602,800 cubic yards for the development of the lined MSW fill area through Phase 23, leaving Phases 24 and 25 unpermitted until a certificate of need (CON) could be issued; and, a design and permitted capacity of 2,265,700 cubic yards for the lined demolition debris disposal area. A January 18, 2002, major modification of the permit authorized the inclusion of lined Phases 24 and 25 increasing the permitted lined MSW capacity to 5,032,600 cubic yards. A permit reissuance and major modification issued on August 27, 2003, allowed the facility to participate in the MPCA's Phase II Leachate Recirculation Pilot Study. While permitted, the permittee chose to not implement the pilot study at this facility.</p> <p>On April 29, 2005, the MPCA issued another major modification of permit SW-56 which authorized a vertical expansion over the lined MSW fill area and the lined demolition debris fill area adding 724,000 cubic yards of permitted and design capacity to the MSW fill area and 383,000 cubic yards of permitted and design capacity to the demolition debris fill area. The permit modification also acknowledged the design and proposed construction of the North Development Area (NDA) Phases 26 through 28 for an additional 7,000,191 cubic yards of demolition debris disposal. The permit limited the development of the NDA to Phases 26 and 27 for a permitted capacity of 4,351,338 cubic yards. [Minn. R. 7035]</p>
3.1.19	<p>A further major modification issued on November 1, 2006, allowed for additional lined MSW footprint in the West Development Area (WDA) for an additional design and permitted capacity of 5,674,845 cubic yards. A minor modification was issued on July 11, 2007, to update the facility's Limits Tables.</p> <p>On May 22, 2014, the MPCA received a letter presenting some modifications to the existing leachate manholes 6B, 10, and 15 to allow for better pump retrieval/install, as well as a technical memo from Wenck with details of the proposed modifications. The project was completed on October 30, 2014 and as-builts were received via email on November 11, 2014.</p> <p>On July 3, 2014, the MPCA received a minor modification to modify the currently permitted base grades for Cell WD2B to direct leachate to a sump on the west side of the WD2B cell rather than directing the leachate</p>



	<p>from WD2B east to the WD2A sump as currently permitted. The re-design of the base grades results in no net increase to the permitted capacity of the landfill, no change to the permitted footprint, and no change to the permitted elevation. As far as the project schedule, BSLI plans to construct the WD2B in two phases; the first being constructed in 2016. [Minn. R. 7035]</p>
3.1.20	<p>On April 12, 2019, the MPCA received a major modification for a vertical expansion. The expansion proposed to remove the Northern Development area (NDA) and add the Annex Development Area (ADA). The reconfiguration of these development areas would reduce the waste footprint from 216 acres to 204 acres, but resultant vertical expansion over this footprint would increase the design capacity. Based on the proposed expansion, the new ultimate capacity of the Facility as described in the permit application is approximately 45,064,605 cubic yards of MSW and Demolition Debris waste. The proposed expansion will increase the ultimate design capacity of the full disposal area by 16,501,300 cubic yards. [Minn. R. 7001.0150, subp. 2]</p>
3.1.21	<p>In accordance with Minn. R. 4410.4300, subp. 17, the 2005 request for permit modification and expansion triggered a mandatory requirement for the preparation and completion of an Environmental Impact Statement (EIS). An environmental review for this project was completed in August 2005 with a determination of adequacy of the EIS. The environmental review covered the overall facility design capacity of 18,692,145 cubic yards of MSW, demolition, and industrial wastes.</p> <p>In accordance with Minn. R. 4410.4300, subp. 17, the 2019 request for permit modification and expansion triggered a mandatory requirement for the preparation and completion of an Supplemental Environmental Impact Statement (SEIS). An environmental review for this project was completed in February 2022 with a determination of adequacy of the EIS. The environmental review covered the overall facility design capacity of 45,064,605 cubic yards of MSW and demolition wastes. [Minn. R. 4410.4300, subp. 17]</p>
3.1.22	<p><b>VariANCES.</b> [header]</p>
3.1.23	<p>The final cover system is designed with 3H:1V side slopes. The design elements of the final cover meet the requirements of the MPCA's Landfill Slope guidance (May 28, 2002), and a variance to construct the final cover system with 3H:1V side slopes is granted for this permit. [Minn. R. 7035.0600]</p>
3.1.24	<p>The previous permit included a variance from the prescriptive requirements of Minn. R. 7035.2815, subp. 6, items D(3), D(7), E, and item D(4) to allow for the construction of the evapotranspiration (ET) final cover system. This variance was granted based on modeling and reporting provided by the Permittee that the ET final cover system meets or exceeds the minimum required stability and performance standards of the MPCA Slope Policy and Minnesota Solid Waste Management Rules.</p> <p>The Permittee requested that this variance also be continued for this permit issuance. If the Permittee wishes to utilize an ET cover for any portion of the final cover, the modeling and reporting provided previously will need to be updated to reflect current rainfall estimates, design slopes, and proposed soil type(s) to be utilized for this ET cover. This permit grants this variance conditionally pending this submittal of this additional information by the Permittee and review and approval by the MPCA. [Minn. R. 7011.0150, subp. 2]</p>
3.1.25	<p><b>Certificate of Need.</b></p>
3.1.26	<p>In 1993, the Minnesota Office of Environmental Assistance issued a certificate of need (CON) to the facility for 6,125,000 cubic yards of MSW capacity. On October 21, 2005, the MPCA approved a ten-year CON for an additional 3,000,000 cubic yards in the West Development Area (WDA). On April 22, 2022, the MPCA issued a certificate of need for 1,692,893 tons of new mixed municipal solid waste landfill disposal capacity. [Minn. R. 7035]</p>
3.1.27	<p>No new mixed municipal solid waste disposal facility or capacity shall be permitted in the metropolitan area without a certificate of need issued by the commissioner indicating a determination that the additional disposal capacity planned for the facility is needed in the metropolitan area. [Minn. Stat. 473.823, subd. 6]</p>

3.1.28	<b>Restriction on Disposal.</b>
3.1.29	<p>The following shall be referred to as the "restriction on disposal requirement".</p> <p>The permittee shall not dispose of unprocessed mixed municipal solid waste generated in the metropolitan area at the facility unless:</p> <ol style="list-style-type: none"><li>(1) the waste has been certified as unprocessable by a county under Minn. Stat. 473.848, subdivision 2; or</li><li>(2) (i) the waste has been transferred to the disposal facility from a resource recovery facility; (ii) no other resource recovery facility serving the metropolitan area is capable of processing the waste; and (iii) the waste has been certified as unprocessable by the operator of the resource recovery facility under Minn. Stat. 473.848, subdivision 3.</li></ol> <p>For purposes of this part, mixed municipal solid waste does not include street sweepings, construction debris, mining waste, foundry sand, and other materials, if they are not capable of being processed by resource recovery as determined by the MPCA. [Minn. Stat. 473.848]</p>
3.1.30	<p>For the purposes of compliance with Minn. Stat. 473.848, "Metropolitan area" or "area" means the area over which the Metropolitan Council has jurisdiction, including only the counties of Anoka; Carver; Dakota excluding the city of Northfield; Hennepin excluding the cities of Hanover and Rockford; Ramsey; Scott excluding the city of New Prague; and Washington. [Minn. Stat. 473.121]</p>
3.1.31	<p>For the purposes of compliance with Minn. Stat. 473.848, waste is "unprocessed" if it has not, after collection and before disposal, undergone separation of materials for resource recovery through recycling, incineration for energy production, production and use of refuse-derived fuel, composting, or any combination of these processes so that the weight of the waste remaining that must be disposed of in a mixed municipal solid waste disposal facility is not more than 35 percent of the weight before processing, on an annual average. [Minn. Stat. 473.848]</p>
3.1.32	<p>Pursuant to Minn. Stat. 473.848, Subd. 2, and the Metropolitan Policy Plan Appendix D, the determination to certify waste will be made by the Metropolitan Counties through certification reports submitted to the MPCA. [Minn. Stat. 473.848]</p>
3.1.33	<p>The permittee shall maintain adequate documentation as described in the Consent Decree to demonstrate that MSW deliveries were made to resource recovery facilities if notice of anticipated waste shortages was provided by the resource recovery facilities. Documentation must be provided on forms developed by the MPCA and submitted quarterly. [Minn. Stat. 473]</p>
3.1.34	<p>As of the effective date of this permit, the permittee's Schedule of Compliance attached to the Consent Decree contains a compliance plan approved by the MPCA describing how the permitted facility will comply with the restriction on disposal requirement. [Minn. Stat. 473]</p>
3.1.35	<p>The permittee shall comply with the approved plan and modify the plan as necessary to maintain compliance with the restriction on disposal requirement. The permittee shall submit modifications to its plan to the MPCA for approval in accordance with the Consent Decree and Schedule of Compliance. If the permittee is in compliance with the approved Schedule of Compliance, MPCA will not pursue enforcement without first providing notice and adequate opportunity to respond to and address any alleged deficiencies or concerns. [Minn. Stat. 473]</p>
3.1.36	<b>Permit Documents.</b>
3.1.37	<p>The permit application approved by this permit is signed and dated April 12, 2019. [Minn. R. 7001.0010]</p>
3.1.38	<p>The Permit Application prepared by Carlson McCain, Inc. The engineering documents approved by this permit include, but are not limited to:</p> <ol style="list-style-type: none"><li>1. Engineering report</li><li>2. Landfill Operations Plan (dated April 12, 2019)</li><li>3. Closure, Post-Closure, Contingency Action Plan (dated June 7, 2022)</li><li>4. Industrial Solid Waste Management Plans (revised June 2015)</li><li>5. Leachate Management Plan (dated April 12, 2019)</li></ol>

	6. Compensatory Wetland Mitigation Plan 7. Technical Specifications and Construction Quality Assurance (CQA) Plans 8. Permit Modification Application Design Report (dated April 12, 2019) 9. Modeling and Design Report in Support of a Final Cover Design Modification (original 2009 submittal) 10. Slope Stability Analysis for the Annex Development Area (dated May 26, 2019) 11. Supplemental Slope Stability Analysis (dated April 11, 2022) 12. Leachate Production and HELP Model Analysis (original 2009 submittal) 13. Leachate Forcemain Pump Analysis 14. Buried Pipe Strength Analysis 15. Leachate Dispersion Analysis (dated March 24, 2019) 16. Evapotranspiration Cover Perimeter Collection Pipe Capacity Analysis (dated February 4, 2008) 17. Surface Water Analysis 18. Solid Waste Permit Application Drawings, Burnsville Sanitary Landfill (SW-56), Sheets 1-42 (dated April 19, 2022). [Minn. R. 7001.0150, subp. 3(H)]
3.1.39	The approved plans and engineering documents are incorporated into this permit. In addition, once approved by the Commissioner, the Permittee shall comply with all submittals that are submitted in accordance with the terms of this permit. In all cases where the permit and the plans or submittals differ, the requirements of the permit shall govern over a condition in the plan or submittal. The approval by the Commissioner of the plans and specifications shall not release the Permittee from any present or subsequent requirements of statutes, rules, regulations, or ordinances. [Minn. R. 7001.0150, subp. 3(E), Minn. R. 7035.2610]
3.1.40	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. [Minn. R. 7001.0150, subp. 3(M), Minn. R. 7035.2610]
3.1.41	<b>Design And Construction Criteria.</b>
3.1.42	The Permittee may not locate, establish, or construct a solid waste management facility in areas designated in Minn. R. 7035.2555. [Minn. R. 7035.2555]
3.1.43	The Permittee shall 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 shall design any proposed future expansions of the facility in accordance with this rule. [Minn. R. 7035.2565]
3.1.44	The Permittee shall 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. [Minn. R. 7035.2855]
3.1.45	The Permittee shall 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. [Minn. R. 7001.1090]
3.1.46	The Permittee shall submit a construction plan to the Commissioner for approval prior to construction if the construction plan proposes any major revisions to the approved design. [Minn. R. 7001.0150, subp. H, Minn. R. 7035.2610]
3.1.47	The Permittee shall 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. [Minn. R. 7001.0150, subp. M]
3.1.48	The Permittee shall 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 shall not be placed into operation until the construction certification has been approved by the Commissioner. [Minn. R. 7035.2610]
3.1.49	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. [Minn. R. 7001.0150, subp. M]

3.1.50	<b>Operation And Maintenance Criteria.</b>
3.1.51	The Permittee shall 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. [Minn. R. 7035.2545, Minn. R. 7048.0100-1300]
3.1.52	The Permittee shall 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. [Minn. R. 7035.2535, subp. 3]
3.1.53	The Permittee shall establish and maintain a personnel training program consisting of classroom instruction and on-the-job training. The program shall address the requirements identified in Minn. R. 7035.2545, subp. 3, and shall include the specific training necessary to perform the tasks associated with each solid waste management area within the facility. The Permittee shall maintain a record of all personnel training and submit the dates of training in the annual report. [Minn. R. 7035.2545, subp. 3]
3.1.54	The Permittee shall prepare and maintain an operations and maintenance manual for the facility. The manual shall include operations and maintenance criteria that are specific to each solid waste management area within the facility. [Minn. R. 7001.3300, subp. P]
3.1.55	The Permittee shall construct and maintain all-weather approach and access roads to all waste activity areas within the facility. [Minn. R. 7001.0150, subp. 3(E)]
3.1.56	The Permittee shall not accept for disposal, any source-separated recyclable materials unless the commissioner has determined that no other person is willing to accept the recyclable material. [Minn. Stat. 115A.95]
3.1.57	<b>Storage Of Solid Waste.</b>
3.1.58	The Permittee shall provide satisfactory storage for all solid waste accumulated at the facility in accordance with Minn. R. 7035.0700 and Minn. R. 7035.2855. [Minn. R. 7035.0700, Minn. R. 7035.2855]
3.1.59	The Permittee shall 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. [Minn. R. 7001.0150, subp. 3(O)]
3.1.60	The Permittee shall manage the facility to be in compliance with Minn. R. 7011.0150 to prevent particulate matter from becoming airborne. [Minn. R. 7011.0150]
3.1.61	The Permittee shall manage all free liquids that have come in contact with solid waste so that the liquids are not discharged as stormwater. [Minn. R. 7001.0150, subp. 2]
3.1.62	The Permittee shall provide effective measures to control flies, rodents and other insects or vermin as necessary. [Minn. R. 7001.0150, subp. 2]
3.1.63	The Permittee shall provide for the proper collection and transportation of solid waste in accordance with Minn. R. 7035.0800. [Minn. R. 7035.0800]
3.1.64	The Permittee shall not accept the wastes identified in Minn. R. 7035.2535, subp. 1 for treatment, storage, processing, or disposal. [Minn. R. 7035.2535, subp. 1]
3.1.65	The Permittee shall 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 shall 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. [Minn. R. 7035.2535, subp. 5]
3.1.66	The Permittee shall manage household hazardous waste as specified in the approved plan in accordance with Minn. R. 7035.2535, subp. 6. [Minn. R. 7035.2535, subp. 6]
3.1.67	The Permittee shall 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. [Minn. R. 7001.1090]

3.1.68	The Permittee shall 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. [Minn. R. 7035.2565]
3.1.69	The Permittee shall 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 shall also provide adequate communications equipment for emergency purposes. [Minn. R. 7035.2595, subp. 2&4]
3.1.70	The Permittee shall keep a written operating record at the facility in accordance with Minn. R. 7035.2575. [Minn. R. 7035.2575, subp. 2]
3.1.71	The Permittee shall 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 shall record inspections in an inspection log or summary and shall keep these records for at least five years. [Minn. R. 7035.2535, subp. 4]
3.1.72	The Permittee shall maintain a copy of the approved emergency procedures manual at the facility for facility personnel to use in time of emergency. [Minn. R. 7035.2595, subp. 5]
3.1.73	The Permittee shall maintain a copy of the approved contingency action plan at the facility. [Minn. R. 7035.2615]
3.1.74	The Permittee shall maintain a copy of the approved facility closure plan, and all revisions to the plan, at the facility until closure is completed and certified in accordance with Minn. R. 7035.2635, subp. 3. [Minn. R. 7035.2625, subp. 3]
3.1.75	The Permittee shall 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 shall be kept by the contact person identified in Minn. R. 7035.2645, subp. 2, item C. [Minn. R. 7035.2645, subp. 2]
3.1.76	<b>Monitoring Criteria.</b>
3.1.77	The Permittee shall design, construct, operate, and maintain the disposal area to achieve compliance with the analytical limits set forth in the Sampling and Monitoring Requirements of this permit. Where applicable, these limits are based upon the Minnesota Department of Health Health Risk Limits (HRLs), Health-Based Values (HBVs), Risk Assessment Advice (RAA), or Maximum Contaminant Level (MCL) and replace the standards listed in Minn. R. 7035.2815, subp. 4, item F, as provided for in Minn. R. 7035.2815, subp. 4, item H. [Minn. R. 7001.0150, subp. 2, Minn. R. 7035.2815, subp. 4(F & H)]
3.1.78	The Permittee shall establish compliance boundaries as specified in the approved plans and specifications, and in accordance with Minn. R. 7035.2815, subp. 4, items A through E. [Minn. R. 7001.0150, subp. 2, Minn. R. 7035.2815, subp. 4(A-E)]
3.1.79	The Permittee shall maintain the adequacy of the water monitoring system to reliably detect pollution and to comply with this permit. [Minn. R. 7035.2815, subp. 10]
3.1.80	The Permittee shall 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. [Minn. R. 7001.0150, subp. 2, Minn. R. 7035.2815, subp. 14(E)]
3.1.81	The Permittee shall develop and keep current a written monitoring protocol for the disposal area according to Minn. R. 7035.2815, subp. 14, item G and shall ensure the protocol is followed during sampling and sample analysis. [Minn. R. 7001.0150, subp. 2, Minn. R. 7035.2815, subp. 14(G)]
3.1.82	The Permittee shall conduct groundwater quality sampling and analysis as specified in the approved plans and specifications, and in accordance with Minn. R. 7035.2815 subp. 14, and shall include the monitoring stations identified in this Permit. The Permittee shall conduct the sampling according to the schedule shown in the Sampling and Monitoring Requirements of this Permit. [Minn. R. 7001.0150, subp. 2, Minn. R. 7035.2815, subp. 10]
3.1.83	When technically feasible the analytic reporting limit must be less than or equal to the intervention limit for each parameter specified in this permit. A discussion must be provided in the annual report for parameters where the reporting limit is greater than the intervention limit. The MPCA defines what is technically feasible for various parameters in MPCA document: Laboratory Achievable Reporting Limits (w-sw3-58.xls). [Minn. R. 7001.0150, subp. 2, Minn. R. 7035.2815, subp. 14]

3.1.84	The sampling window for the Spring Quarter, denoted as "Apr" on the Sampling and Monitoring Requirement Table, is between March 14 and May 14 of each calendar year. [Minn. R. 7001.0150, subp. 2, Minn. R. 7035.2815, subp. 10]
3.1.85	The sampling window for the Summer Quarter, denoted as "Jul" on the Sampling and Monitoring Requirement Table, is between June 21 and August 7 of each calendar year. [Minn. R. 7001.0150, subp. 2, Minn. R. 7035.2815, subp. 10]
3.1.86	The sampling window for the Fall Quarter, denoted as "Oct" on the Sampling and Monitoring Requirement Table, is between October 1 and November 21 of each calendar year. [Minn. R. 7001.0150, subp. 2, Minn. R. 7035.2815, subp. 10]
3.1.87	The sampling window for the Winter Quarter, denoted as "Dec" on the Sampling and Monitoring Requirement Table, is between December 1 and January 21 of each calendar year. [Minn. R. 7001.0150, subp. 2, Minn. R. 7035.2815, subp. 10]
3.1.88	The Permittee shall take the actions listed in Minn. R. 7035.2815, subp. 4, item G. if an intervention limit established in this permit is exceeded. [Minn. R. 7001.0150, subp. 2, Minn. R. 7035.2815, subp. 4(G)]
3.1.89	The Permittee shall conduct leachate quality sampling and analysis as specified in the approved plans and specifications, and in accordance with Minn. R. 7035.2815 subp. 14 and shall include the monitoring stations identified in this permit. The Permittee shall conduct the sampling according to the schedule shown in the Sampling and Monitoring Requirements of this Permit. [Minn. R. 7001.0150, subp. 2, Minn. R. 7035.2815, subp. 10]
3.1.90	The Permittee shall conduct surface water quality sampling and analysis as specified in the approved plans and specifications, and in accordance with Minn. R. 7035.2815 subp. 14 and shall include the monitoring stations identified in this Permit. The Permittee shall conduct the sampling according to the schedule shown in the Sampling and Monitoring Requirements of this Permit. [Minn. R. 7035.2815, subp. 14]
3.1.91	The Permittee shall implement a gas monitoring program and conduct quarterly methane monitoring, at a minimum, in and around facility structures and on the facility property boundary as specified in the approved plans and specifications, and in accordance with Minn. R. 7035.2815, subp. 11. [40 CFR 258.23, Minn. R. 7035.2815, subp. 11]
3.1.92	<b>Reporting Criteria.</b>
3.1.93	The Permittee shall submit an annual facility report for the preceding calendar year in accordance with Minn. R. 7035.2585 in a format prescribed by the MPCA. The annual facility report shall include waste types, volumes, management methods, and final destinations. When required of a waste activity, the report shall include summary evaluation reports and specific annual reporting requirements and monitoring results. The Permittee shall submit the report along with the Annual Monitoring Report to the Commissioner according to the schedule in the Submittal/Action requirements section of this Permit. [Minn. R. 7035.2585]
3.1.94	The Permittee shall submit an electronic copy of all monitoring data including groundwater, leachate, landfill gas, and field data for each monitoring event. Electronic data shall be submitted in the format specified by the MPCA. The schedule for submitting electronic monitoring data shall follow the schedule outlined in the Submittal/Action Requirements section of this permit. [Minn. R. 7001.0150]
3.1.95	The Permittee shall submit a complete copy of all monitoring results via email in PDF format to solidwastereports.pca@state.mn.us. The facility name and permit number must be in the subject line of the email. The monitoring results must be accompanied by information sufficient to establish the reliability, precision, and accuracy of the reported values, including but is not limited to the analytical report, chain of custody forms, filed notes, data analysis, and recommendation for monitoring adjustments. [Minn. R. 7001.0150]
3.1.96	The Permittee shall collect location and elevation data for all monitoring points. Location data shall be submitted in an approved coordinates system. Elevation data for monitoring wells shall include the elevation of the riser pipe and ground surface. The depth of wells from the riser pipe shall also be identified. If existing data is being reported the surveying method and datum used to collect this information shall be identified. [Minn. R. 7001.0150]

3.1.97	The Permittee shall submit an annual water and leachate monitoring summary and 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 this Permit. [Minn. R. 7001.0150, subp. 2, Minn. R. 7035.2815, subp. 14(Q)]
3.1.98	The Permittee shall submit an annual gas monitoring evaluation report summarizing the results of the quarterly methane monitoring in accordance with Minn. R. 7035.2815, subp. 11 and 40 CFR Part 258, subp. C, Sec. 258.23. The Permittee shall submit the report to the Commissioner, as part of the annual facility report, according to the schedule in this permit. [40 CFR 258.23, Minn. R. 7035.2815, subp. 11]
3.1.99	<b>Contingency Action Criteria.</b>
3.1.100	The Permittee shall address all facility waste activities as specified in the approved plans and specifications, and in accordance with Minn. R. 7035.2615. [Minn. R. 7035.2615]
3.1.101	If a fire occurs in the waste deposit area, the Permittee shall immediately implement its contingency action plan to extinguish the fire. [Minn. R. 7001.0150, subp. 3(E)]
3.1.102	Within 24 hours of discovery of the fire, the Permittee shall provide notice to the MPCA that a fire has occurred and that the contingency action plan has been implemented. If the Permittee has not extinguished the fire within two weeks of notice, the Permittee shall again notify the MPCA and shall provide the name of the professional engineer that the Permittee has hired to develop a revised plan for further fire fighting efforts. The Permittee shall submit the revised plan to the MPCA for review and approval within 15 days of the notice to the MPCA that a revised plan is being prepared. To be approved, the revised plan shall identify the action that will be taken to extinguish the fire, including sources for materials and equipment and a timeline for implementation, and shall be signed by a registered professional engineer. The Permittee shall implement the revised plan upon approval by the MPCA. [Minn. R. 7001.0150, subp. 3(E)]
3.1.103	The Permittee shall implement the actions necessary to comply with the contingency action requirements in accordance with Minn. R. 7035.2615. [Minn. R. 7035.2615, subp. 2]
3.1.104	The Permittee shall notify the Minnesota Duty Officer immediately of the discharge, accidental or otherwise, of any substance or material under its control which, if not recovered, may cause pollution of waters of the state. The Permittee shall recover as rapidly and as thoroughly as possible such substance or material and take immediate action to minimize or abate pollution of waters of the state. The MN Duty Office can be reached at 800-422-0798. [Minn. Stat. 115.61]
3.1.105	The Permittee shall maintain and operate the facility to minimize the possibility of a fire, explosion, or any release to air, land, or water of pollutants that threaten human health or the environment in accordance with Minn. R. 7035.2595. [Minn. R. 7035.2595, subp. 1]
3.1.106	The Permittee shall take all reasonable containment measures during an emergency and submit a written report to the Commissioner in accordance with Minn. R. 7035.2605. [Minn. R. 7035.2605, subp. 1]
3.1.107	<b>Closure Criteria.</b>
3.1.108	The Permittee shall close each waste activity, or the entire facility as appropriate, as specified in the approved plans and specifications, and in accordance with Minn. R. 7035.2625. [Minn. R. 7035.2625]
3.1.109	The Permittee shall perform closure for each waste activity as specified in the approved plans and specifications, and in accordance with Minn. R. 7035.2635. [Minn. R. 7035.2635]
3.1.110	The Permittee shall 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. [Minn. R. 7001.0150, subp. 3(E)]
3.1.111	<b>Postclosure Criteria.</b>
3.1.112	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. [Minn. Stat. 116.07, subd. 4h]
3.1.113	The Permittee shall comply with postclosure requirements as specified in the approved plans and specifications, and in accordance with Minn. R. 7035.2645. [Minn. R. 7035.2645]
3.1.114	The Permittee shall 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. [Minn. R. 7035.2655, subp. 1]

3.1.115	The Permittee shall comply with postclosure use of property requirements in accordance with Minn. R. 7035.2655, subp. 2. [Minn. R. 7035.2655, subp. 2]
3.1.116	Prior to the end of the postclosure care period the Permittee must submit to the MPCA for review and approval a Post Closure Care Summary Report signed by a professional engineer licensed with the State of Minnesota. [Minn. R. 7035.2645]
3.1.117	<b>Financial Criteria.</b>
3.1.118	The Permittee shall keep the current cost estimates for contingency action, closure and postclosure care for each waste activity at the facility during the operating life in accordance with Minn. R. 7035.2685, subp. 2. [Minn. R. 7035.2685]
3.1.119	The Permittee shall establish and maintain financial assurance in accordance with Minn. R. 7035.2665 to 7035.2805. [Minn. R. 7035.2665-2805]
3.1.120	<b>General Conditions.</b>
3.1.121	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. [Minn. R. 7001.0150, subp. 3(A)]
3.1.122	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. [Minn. R. 7001.0150, subp. 3(B)]
3.1.123	The permit does not convey a property right or an exclusive privilege. [Minn. R. 7001.0150, subp. 3(C)]
3.1.124	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. [Minn. R. 7001.0150, subp. 3(D)]
3.1.125	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. [Minn. R. 7001.0150, subp. 3(E)]
3.1.126	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. [Minn. R. 7001.0150, subp. 3(F)]
3.1.127	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. [Minn. R. 7001.0150, subp. 3(G)]
3.1.128	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. [Minn. R. 7001.0150, subp. 3(H)]
3.1.129	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. [Minn. R. 7001.0150, subp. 3(I)]
3.1.130	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. [Minn. R. 7001.0150, subp. 3(J)]
3.1.131	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. [Minn. R. 7001.0150, subp. 3(K)]
3.1.132	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. [Minn. R. 7001.0150, subp. 3(L)]
3.1.133	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. [Minn. R. 7001.0150, subp. 3(M)]
3.1.134	The Permittee shall 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. [Minn. R. 7035.2535, subp. 2]
3.1.135	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. [Minn. R. 7001.0150, subp. 3 (N)]
3.1.136	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. [Minn. R. 7001.0150, subp. 3(O)]
3.1.137	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. [Minn. R. 7001.0170-0180]
3.1.138	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. [Minn. R. 7035.3200]
3.1.139	The Permittee may request an extension of the dates set forth in this permit including the submittal and monitoring dates. The request shall include justification for requesting the extension of the date. Based on the justification, the Commissioner may grant an extension. [Minn. R. 7001.0190, subp. 3(B)]
3.1.140	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 shall be submitted no later than 180 calendar days before the expiration date of the permit. [Minn. R. 7001.0150, subp. 1, Minn. R. 7001.3500, subp. 1]
3.1.141	The Permittee shall maintain records of all groundwater monitoring data and groundwater surface elevations for the active life of the facility and each waste activity and, for disposal activities, for the postclosure care period. The Permittee shall also maintain an operating record in accordance with Minn. R. 7035.2575 until closure of each waste activity at the facility. [Minn. R. 7001.3500, subp. 3(A)]

3.1.142	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. [Minn. R. 7001.3500, subp. 3(B)]
3.1.143	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. [Minn. R. 7001.3500, subp. 3(B (2))]
3.1.144	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. [Minn. R. 7001.3500, subp. 3 (B (3))]
3.1.145	<b>Special Conditions.</b>
3.1.146	<p>The Permittee shall propose measures, in accordance with Minn. R. 7035.2815, to evaluate the risk to groundwater and surface water under current and future conditions from waste materials in the unlined portion of the landfill. Within twelve (12) months of the issuance date of this permit, a work plan must be submitted to the MPCA for review and approval, and the work plan must include, at a minimum, the following items:</p> <ol style="list-style-type: none"><li>1) a summary of the existing data that will be utilized for the evaluation;</li><li>2) a list of assumptions for the evaluation, including modeling parameters and expected future conditions;</li><li>3) identification of relevant contaminants of emerging concern and a timeline to collect monitoring data for the contaminants of emerging concern;</li><li>4) a discussion of how data for the contaminants of emerging concern will be incorporated into the assessment;</li><li>5) identification of additional data needed to perform this assessment, including any data needed to represent the in-situ characteristics of the groundwater directly beneath the unlined area;</li><li>6) the proposed methods and timeline for collection of any additional data, and;</li><li>7) the proposed methods of analyses to evaluate the data, identify current and future risks to groundwater and surface water, and predict future changes to receptors. [Minn. R. 7001.0150, subp. 2]</li></ol>
3.1.147	<p>Within three (3) years from the issuance date of this permit or prior to constructing new slope-lined areas over the historically unlined portion of the landfill, the Permittee must provide a summary report of the risk evaluation described in the preceding section that includes, at a minimum, a discussion of the following items:</p> <ol style="list-style-type: none"><li>1) findings from the evaluation, including any changes to the original assumptions made for the evaluation;</li><li>2) appropriateness and feasibility (as detailed in Minn. R. 7001.3275 subp. 6) of the corrective actions in the Contingency Action Plan (dated June 7, 2022);</li><li>3) additional data needs to supplement or further develop any findings from the report;</li><li>4) any necessary changes to future facility operations or construction activities to allow for potential groundwater corrective actions, including whether filling over the unlined area is protective of human health and the environment, and;</li><li>5) adequacy of the compliance boundary and environmental monitoring system for current and future site conditions.</li></ol> <p>Upon receipt of the report, the MPCA will review the information submitted and determine whether the report is adequate to allow for construction of new slope liner over historically unlined areas. [Minn. R. 7001.0150, subp. 2]</p>

<b>SA 001</b>	<b>Municipal Solid Waste Disposal Area</b>
3.2.1	SA 001 is the mixed municipal solid waste (MSW) disposal area consisting of approximately 190 acres and a design capacity of 35,308,921 CY. The permitted capacity for SA 001 is 24,157,226 CY. [Minn. R. 7001.0150, subp. 2]
3.2.2	<b>Design And Construction Criteria.</b>
3.2.3	No new mixed municipal solid waste capacity may be permitted without a Certificate of Need (CON) issued by the Commissioner. The CON issued to this facility is for 1,692,893 tons for the period of seven (7) years. The Permittee shall track the amount of CON used and remaining CON on an annual basis as part of the facility's annual report. [Minn. R. 9215.0890]
3.2.4	The Permittee shall locate any proposed future expansions of the disposal area in accordance with Minn. R. 7035.2555 and Minn. R. 7035.2815, subp. 2. [Minn. R. 7035.2555, Minn. R. 7035.2815, subp. 2]
3.2.5	The Permittee shall construct or install the phases, cells, liners, leachate management system, gas management system and water monitoring system of the disposal area in accordance with the approved plans and specifications. [Minn. R. 7001.0150, subp. 3]
3.2.6	The Permittee shall evaluate soils intended for use as cover or liner material in accordance with Minn. R. 7035.2815, subp. 8. [Minn. R. 7035.2815, subp. 8]
3.2.7	The Permittee shall design any proposed future expansions or modifications of the disposal area in accordance with the design requirements outlined in Minn. R. 7035.2815, subp. 5. Also, at a minimum, all major design features shall incorporate the construction requirements of Minn. R. 7035.2815, subp. 12. into the project specifications. [Minn. R. 7035.2815, subp. 12]
3.2.8	The Permittee shall design any proposed future expansions or modifications of the disposal area liner in accordance with the design requirements outlined in Minn. R. 7035.2815, subp. 7. [Minn. R. 7035.2815, subp. 7]
3.2.9	The Permittee shall design any proposed future expansions or modifications of the disposal area cover system in accordance with Minn. R. 7035.2815, subp. 6, items D and E. [Minn. R. 7035.2815, subp. 6]
3.2.10	The Permittee shall design any proposed future expansions or modifications of the disposal area to include a leachate detection, collection, and on-site or off-site treatment system in accordance with Minn. R. 7035.2815, subp. 9. [Minn. R. 7035.2815, subp. 9]
3.2.11	The Permittee shall design any future expansions or modifications of the disposal area to include a water monitoring system in accordance with Minn. R. 7035.2815, subp. 10. [Minn. R. 7035.2815, subp. 10]
3.2.12	The Permittee shall design any proposed future expansions or modifications of the disposal area to include a gas monitoring, collection and treatment system in accordance with Minn. R. 7035.2815, subp. 11. [Minn. R. 7035.2815, subp. 11]
3.2.13	<b>Operating And Maintenance Criteria.</b>
3.2.14	The Permittee shall place at least six feet of solid waste, or an alternative insulating material approved by the MPCA prior to its use, on any newly constructed liner by December 31 of each year. If an alternative insulating material is utilized, the Permittee shall install thermocouples in the newly lined area, and shall maintain the approved thickness of the insulating material until six feet of solid waste has been placed on the liner. If an alternative insulating material is utilized, the Permittee shall remove the material prior to the placement of solid waste to prevent biofouling of the drainage layer. No disposal may take place on uncovered areas after December 31 without testing the liner integrity and obtaining written approval from the Commissioner. [Minn. R. 7035.2815, subp. 13(U)]
3.2.15	The Permittee shall maintain a run-on control system to prevent flow onto any waste activity area and a run-off control system to collect and control flow from the waste activity area for at least the water volume resulting from a 24-hour, 25-year storm. [Minn. R. 7035.2855, subp. 3(C & D)]
3.2.16	The Permittee shall develop the site in phases according to the approved phase development plans and specifications. Each phase shall contain individual cells that will provide for filling in a manner to achieve final waste elevations as rapidly as possible. [Minn. R. 7035.2815, subp. 5(B)]

3.2.17	The Permittee shall outline each fill phase with grade stakes or another marking method before the deposition of any waste. [Minn. R. 7035.2815, subp. 13(F)]
3.2.18	The Permittee shall limit the disposal of municipal solid waste to as small an area as practical and with appropriate facilities to confine wind-blown material within the area. [Minn. R. 7001.0150, subp. 2 &3]
3.2.19	The Permittee shall spread and compact solid waste as densely as practicable in layers which are two feet or less in depth before compaction. [Minn. R. 7035.2815, subp. 13(A)]
3.2.20	The Permittee shall place and compact the mixed municipal solid waste at a maximum three-to-one slope to promote drainage off of the fill area, and to allow for the adequate application of intermittent and intermediate cover. [Minn. R. 7035.2815, subp. 13(B)]
3.2.21	The Permittee shall maintain suitable cover material at the site. If suitable cover material is not available on-site, cover material shall be delivered to and stockpiled at the site. The Commissioner reserves the right to alter the type of cover material and the method of placement if problems exist. [Minn. R. 7001.0150, subp. 2 &3, Minn. R. 7035.2825, subp. 9(C)]
3.2.22	The Permittee shall place an intermittent cover upon all exposed solid waste daily. The cover depth shall be sufficient to cover all waste completely and shall be at least six inches if soil or similar material is used. [40 CFR 258.21, Minn. R. 7035.2815, subp. 6(A)]
3.2.23	<p>The Permittee may also utilize an Alternative Daily Cover (ADC) as approved by the Commissioner and Dakota County in writing. However, the Commissioner reserves the right to withdraw approval if problems arise from the use of the ADC. At a minimum, ADC must meet the following requirements and is subject to approval by Dakota County:</p> <ol style="list-style-type: none"><li>1) must not have a strong or offensive odor;</li><li>2) must not create a fugitive dust after application is complete;</li><li>3) must not be stockpiled or used in such a way as to generate contact water that will be released to surface waters or groundwater; and</li><li>4) must not pose a threat to facility workers or customers. [40 CFR 258.21, Minn. R. 7035.2815, subp. 6(A)]</li></ol>
3.2.24	<p>The following alternative daily cover materials have been approved for use at this facility:</p> <ol style="list-style-type: none"><li>1) Synthetic Tarp</li><li>2) Industrial solid wastes or contaminated soils that meet the criteria listed in Section 7.0 of the Industrial Solid Waste Management Plan (revised June 2015). [40 CFR 258.21, Minn. R. 7035.2815, subp. 6(A)]</li></ol>
3.2.25	The Permittee shall place intermediate cover on all filled surfaces of the facility where no additional solid waste will be deposited within 30 days. The intermediate cover shall consist of compacted material of sufficient depth to cover the waste completely, and graded to prevent surface water ponding. If soil or similar material is used, the intermediate cover must be at least 12 inches thick. [Minn. R. 7035.2815, subp. 6(B)]
3.2.26	The Permittee shall begin closure of each fill phase within 30 days after reaching final permitted waste elevations. Each fill phase, upon reaching final permitted waste elevation shall be covered in accordance with the approved plans and specifications, and in accordance with Minn. R. 7035.2815, subp. 6. [Minn. R. 7035.2815, subp. 13(E), Minn. R. 7035.2815, subp. 16(A), Minn. R. 7035.2815, subp. 6(D)]
3.2.27	The Permittee shall maintain the final cover system on all closed portions of the active waste disposal area in accordance with Minn. R. 7035.2815, subp. 6, items D and E. [Minn. R. 7035.2815, subp. 6(D)]
3.2.28	The Permittee shall divert surface water drainage around and away from the site operating area. Slopes greater than 200 feet shall include drainage ways and design features to prevent erosion. [Minn. R. 7035.2815, subp. 5(D)]
3.2.29	The Permittee shall maintain the integrity and functionality of the water monitoring network. The Permittee shall operate and maintain a water monitoring system in accordance with the approved plans and specifications, and in accordance with Minn. R. 7035.2815, subp. 10. [Minn. R. 7035.2815, subp. 10]

3.2.30	The Permittee shall maintain the integrity and functionality of the leachate detection, collection, and on-site or off-site treatment system. The Permittee shall also operate and maintain the leachate detection, collection, and on-site or off-site treatment system in accordance with the approved plans and specifications, and in accordance with Minn. R. 7035.2815, subp. 13. [Minn. R. 7035.2815, subp. 13]
3.2.31	The Permittee shall maintain a gas management system in accordance with the approved plans and specifications, and in accordance with Minn. R. 7035.2815, subp. 11. The concentration of any explosive gas shall not exceed its lower explosion limit at the property boundary or 25 percent of its lower explosion limit in and around facility structures or any other on-site monitoring point. [Minn. R. 7035.2815, subp. 11]
3.2.32	The Permittee shall identify all trenches or fill areas with permanent markers. [Minn. R. 7035.2815, subp. 13(T)]
3.2.33	In accordance with Minn. R. 7035.2815, subp. 9(D), the height of free standing liquid over the liner must not exceed one foot. [Minn. R. 7035.2815, subp. 9(D)]
<b>SA 002</b>	<b>Non-CON Municipal Solid Waste Disposal Area</b>
3.3.1	This permit allows for the disposal of 7,003,500 CY of municipal solid waste that does not require a Certificate of Need (CON) as described in section 3.1.22. This waste is referred to as "Non-CON Municipal Solid Waste" in the waste activity table. [Minn. R. 7001.0150, subp. 2]
3.3.2	Disposal of non-CON MSW shall be in accordance with the requirements in section SA 001. [Minn. R. 7001.0150, subp. 2]
3.3.3	The conditions described in Section 3.1.148 must be satisfied prior to placing non-CON MSW over new slope-lined areas of SA 001. [Minn. R. 7001.0150, subp. 2]
<b>DD 001</b>	<b>Demolition Debris Disposal Area</b>
3.4.1	DD 001 is the demolition debris disposal area consisting of approximately 14 acres and a design capacity of 2,752,184 CY. The permitted capacity for DD 001 is also 2,752,184 CY. The approximate current in-place volume of demolition debris is 2,574,567 CY. [Minn. R. 7001.0150, subp. 2]
3.4.2	<b>Design And Construction Criteria.</b>
3.4.3	The Permittee shall not locate any proposed future expansion of the facility disposal area in an area with active karst features including sinkholes, disappearing streams, and caves; or where the topography, geology, or soil is inadequate for protection of ground or surface water. [Minn. R. 7035.2825, subp. 7]
3.4.4	The Permittee shall construct the phases, cells and water monitoring system of the demolition landfill in accordance with the approved plans and specifications. [Minn. R. 7001.0150, subp. 3]
3.4.5	The Permittee shall design any proposed future expansions or modifications of the demolition debris disposal area in accordance with the design requirements outlined in Minn. R. 7035.2825, subp. 8. [Minn. R. 7035.2825, subp. 8]
3.4.6	The Permittee shall design any proposed future expansions of the facility to include, at a minimum, the cover system requirements found in Minn. R. 7035.2825, subp. 11. [Minn. R. 7035.2825, subp. 11]
3.4.7	The Permittee shall design and install a water monitoring system in compliance with Minn. R. 7035.2815, subp. 10. [Minn. R. 7035.2815, subp. 10]
3.4.8	<b>Operation And Maintenance Criteria.</b>
3.4.9	The Permittee shall accept only the wastes listed as "Acceptable C & D Wastes" for disposal. Acceptable C & D Wastes include: Bituminous concrete (includes asphalt pavement and blacktop); concrete (including rebar); 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. [Minn. R. 7001.0150, subp. 3]
3.4.10	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; 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. [Minn. R. 7001.0150, subp. 3]
3.4.11	The Permittee shall maintain a minimum separation distance of 50 feet between the property line and the area where waste has been placed within the landfill. [Minn. R. 7035.2825, subp. 9(H)]
3.4.12	The Permittee shall 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. [Minn. R. 7001.0150, subp. 3]
3.4.13	The Permittee shall 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. [Minn. R. 7035.2825, subp. 9(G)]
3.4.14	The Permittee shall develop the site in phases in accordance with the approved plans. Each phase shall provide for filling in a manner to achieve final waste elevations as rapidly as possible. The phases shall be designed and constructed to minimize moisture infiltration into the fill areas while maintaining stable slopes and appropriate operating conditions. The Permittee shall consider seasonal phases in order to accommodate the differences between wet and dry and warm and cold weather operations. The Permittee shall 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. [Minn. R. 7035.2825, subp. 8(B)]
3.4.15	The Permittee shall stake each fill phase of the landfill to establish the horizontal and vertical limits of the permitted area. [Minn. R. 7035.2825, subp. 9(E)]
3.4.16	The Permittee shall establish a Waste Screening Area (WSA) at the landfill, and shall separate the WSA from the active working face. The WSA shall be located within 50 feet of the active working face, and shall be delineated by physical barriers such as logs, chains or cones. [Minn. R. 7001.0150, subp. 3]
3.4.17	The Permittee shall 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 shall 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 shall be stored appropriately and transferred to an appropriate disposal facility at least once per week. [Minn. R. 7001.0150, subp. 3]
3.4.18	The Permittee shall not place more waste in the WSA than can be managed in one working day. [Minn. R. 7001.0150, subp. 3]
3.4.19	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. [Minn. R. 7001.0150, subp. 3]

3.4.20	The Permittee shall limit the disposal of wastes to as small an area as practical and shall utilize appropriate equipment to confine wind-blown material within the area. [Minn. R. 7001.0150, subp. 3]
3.4.21	The Permittee shall spread all wastes to allow for adequate compaction, and shall compact all wastes with a maximum three-to-one slope to reduce voids and airspaces within the landfill and to achieve maximum compaction. [Minn. R. 7035.2825, subp. 9(B)]
3.4.22	The Permittee shall completely cover all waste on a monthly basis at a minimum. [Minn. R. 7035.2825, subp. 9(A)]
3.4.23	The Permittee shall maintain suitable cover material at the site. If suitable cover is not available on-site, cover material shall be delivered to and stockpiled at the site. [Minn. R. 7035.2825, subp. 9(C)]
3.4.24	Upon reaching final waste contours, the Permittee shall place final cover in accordance with the approved plans and specifications and Minn. R. 7035.2825, subp. 11. [Minn. R. 7035.2825, subp. 11, Minn. R. 7035.2825, subp. 9(D)]
3.4.25	The final contours and final cover system of the fill area must meet those described and detailed in the engineering documents. [Minn. R. 7001.0150, subp. 2]
3.4.26	Corrective actions must be implemented to repair any conditions not in compliance with parts 7035.2525 to 7035.2605. [Minn. R. 7035.2825, subp. 9(I)]
3.4.27	The Permittee shall maintain the final cover system on all closed portions of the active waste disposal area in accordance with the approved plans and specifications. [Minn. R. 7035.2655, subp. 1-2]
3.4.28	The Permittee shall maintain the integrity and functionality of the water monitoring network. The Permittee shall maintain a water monitoring system in compliance with Minn. R. 7035.2815, subp. 10. [Minn. R. 7035.2815, subp. 10]
3.4.29	<b>Financial Criteria.</b>
3.4.30	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. [Minn. R. 7035.2825, subp. 13]
<b>TR 001</b>	<b>Citizen Drop-off Area (MSW)</b>
3.5.1	TR 001 is the waste activity to transfer MSW at the Citizen Drop-off Area. The facility is permitted to transfer 5,000 tons per year. MSW is stored in covered roll-off containers. [Minn. R. 7001.1050, subp. 2]
3.5.2	<b>Design and Construction Criteria.</b>
3.5.3	The permittee must construct the solid waste transfer area in accordance with the approved plans and specifications. [Minn. R. 7001.0150, subp. 2]
3.5.4	The Permittee shall design any proposed future expansions or modifications of the solid waste transfer area in accordance with the design requirements outlined in Minn. R. 7035.2870, subp. 4. [Minn. R. 7035.2870, subp. 4]
3.5.5	<b>Operating and Maintenance Criteria.</b>
3.5.6	The Permittee shall transport all solid waste that is received at the facility to a solid waste disposal or recycling facility that has been permitted to accept such waste by the appropriate regulatory agency. [Minn. R. 7035.2870, subp. 5]
3.5.7	Recyclable materials must be delivered to the appropriate materials processing facility as outlined in rule or any facility permitted to recycle or compost the material. [Minn. Stat. 115.A, 95]
3.5.8	The permittee must operate the transfer area in accordance with the approved operating and maintenance manual, and in accordance with Minn. R. 7035.2870, subp. 5. [Minn. R. 7035.2870, subp. 5(A)]
3.5.9	The permittee must keep roads, gates, and tipping areas clear of obstructions at all times. [Minn. R. 7035.2870, subp. 5(C)]
3.5.10	The permittee must confine all solid waste within the tipping area or other designated processing or storage area. [Minn. R. 7035.2870, subp. 5(G)]

3.5.11	The Permittee shall construct and maintain the solid waste storage areas in accordance with the approved plans and specifications. Solid waste storage areas shall comply with Minn. R. 7035.2855. [Minn. R. 7001.0150, subp. 2, Minn. R. 7035.2855]
3.5.12	The permittee must maintain the facility and all equipment in good working condition. [Minn. R. 7035.2870, subp. 5(F)]
3.5.13	The permittee must clear the tipping and storage areas of waste, and clean the areas at least once every seven days. [Minn. R. 7035.2870, subp. 5(J)]
3.5.14	The permittee must transfer or store all industrial waste or mixed municipal solid waste at the facility in (1) a completely enclosed structure, (2) containers constructed of impervious materials and designed to prevent leakage, or (3) in a designated solid waste storage area meeting the storage standards of Minn. R. 7035.2855. [Minn. R. 7035.2870, subp. 5(C)]
3.5.15	The permittee must containerize or store all separated salvageable and recyclable materials in a designated area. The permittee must remove all separated salvageable and recyclable materials from the facility when the capacity of the container or designated area is reached. [Minn. R. 7035.2870, subp. 5(G)]
3.5.16	The permittee must manage all putrescible waste remaining at the facility at the end of the working day. The remaining putrescible waste must be: (1) properly disposed of, (2) stored in an enclosed structure, or (3) stored in containers constructed of impervious materials and designed to prevent leakage and to prevent precipitation, insects, and other vectors from coming in contact with the waste. [Minn. R. 7035.2870, subp. 5(Q)]
3.5.17	The Permittee shall remove all putrescible materials at least once per week. [Minn. R. 7035.2845, subp. 4]
3.5.18	<b>Closure Criteria.</b>
3.5.19	The Permittee must be remove and properly dispose of or recycle all solid waste and contaminated portions of the storage areas upon closure of the areas. [Minn. R. 7035.2855, subp. 6]
<b>ST 001</b>	<b>MSW</b>
3.6.1	This section of the permit pertains to the storage of solid waste. This facility is permitted to store: - Mixed Municipal Solid Waste (MSW) in six (6) 30 CY covered roll-off containers. [Minn. R. 7001.0150]
3.6.2	<b>Design And Construction Criteria.</b>
3.6.3	The Permittee shall construct the solid waste storage area in accordance with the approved plans and specifications. Storage of waste on-site shall comply with Minn. R. 7035.2855. [Minn. R. 7001.0150, subp. 2-3, Minn. R. 7035.2855]
3.6.4	The Permittee shall design any proposed future expansions or modifications of the solid waste storage area in accordance with the location standards and design requirements outlined in Minn. R. 7035.2855, subps. 2 and 3. [Minn. R. 7035.2855, subp. 2-3]
3.6.5	<b>Operating And Maintenance Criteria.</b>
3.6.6	The Permittee shall operate and maintain a run-on control system capable of preventing flow onto the storage area. The Permittee shall also operate and maintain a stormwater management system capable of collecting and controlling run-off from the storage area. Both run-on and run-off systems shall be capable of controlling at least the water volume resulting from a 24-hour, 10-year storm. [Minn. R. 7035.2855, subp. 3(C-D)]
3.6.7	The Permittee shall maintain and operate collection and holding facilities, such as tanks or basins, that are associated with the run-on and run-off control systems. The facilities shall be emptied, or otherwise managed, after storms to maintain the design capacity of the system. [Minn. R. 7035.2855, subp. 3(E)]
3.6.8	The Permittee shall cover or otherwise manage the solid waste to contain any particulate matter that may be subject to wind dispersion. [Minn. R. 7035.2855, subp. 3(F)]



3.6.9	<b>Closure Criteria.</b>
3.6.10	The Permittee shall properly remove and dispose of or recycle all solid waste and contaminated portions of the storage area accordance with Minn. R. 7035.2855, subp. 6 upon closure of the area. [Minn. R. 7035.2855, subp. 6]
<b>RE Group</b>	<b>Storage of Recyclables</b>
3.7.1	This section of the permit pertains to the collection of materials prior to transfer for recycling. This facility is permitted to store: - Appliances - Electronics - Scrap Metal. [Minn. R. 7001.0150]
3.7.2	<b>Design And Construction Criteria.</b>
3.7.3	The Permittee shall construct the solid waste recycling area in accordance with the approved plans and specifications. Storage of waste on-site shall comply with Minn. R. 7035.2855. [Minn. R. 7001.0150, subp. 3, Minn. R. 7035.2845, subp. 4(B), Minn. R. 7035.2855]
3.7.4	The Permittee shall design any proposed future expansions or modifications of the solid waste recycling area in accordance with the design requirements outlined in Minn. R. 7035.2845, subp. 3. [Minn. R. 7035.2845, subp. 3]
3.7.5	<b>Operating And Maintenance Criteria.</b>
3.7.6	The Permittee shall remove all putrescible residual materials at least once per week. The Permittee shall remove all other residuals at least once per month. [Minn. R. 7035.2845, subp. 4]
3.7.7	All of the recyclable materials that are delivered to or are stored at the recycling facility must be removed from the facility within three years after the date of receipt. The owner or operator must notify the commissioner annually, in the annual report required in subpart 4a, if recyclable materials are stored longer than one year. The annual report must identify the type and approximate weight of material being stored. Recyclable materials that are stored longer than one year must be stored in such a way that the recyclability is retained. [Minn. R. 7035.2845, subp. 4(b)]
3.7.8	The Permittee shall divert all surface water around and away from either recyclable or reusable materials that are stored outdoors. [Minn. R. 7001.0150, subp. 3]
3.7.9	Recyclable materials must be delivered to the appropriate materials processing facility as outlined in rule or any facility permitted to recycle or compost the material. The Permittee shall not deliver source-separate recyclable materials to a disposal facility or a resource recovery facility that is composting MSW, burning waste, or converting waste to energy unless the commissioner has determined that no other person is willing to accept the recyclable material. [Minn. Stat. 115A.95]
3.7.10	At least 30 days prior to the effective date of closure, the owner or operator of a recycling facility must post a notice of closure at the entrance by signs indicating the date of closure, and must publish a notice of closure in a local newspaper. [Minn. R. 7035.2845, subp. 6]
3.7.11	<b>Specific Conditions.</b>
3.7.12	The Permittee shall provide a separate storage area for the storage and transfer of scrap metal. The Permittee shall manage all scrap metal within the designated area on site. [Minn. R. 7001.0150, subp. 2]
3.7.13	The Permittee shall provide a separate storage area for the storage and transfer of major appliances, as defined in Minn. Stat. 115A.03, such that damage to the units is minimized during handling. The Permittee shall ensure that the proper removal of hazardous components and refrigerant gases is performed by a certified appliance processor. The Permittee shall transfer all appliances off-site at least annually, with the number of appliances recycled and the destination included in the annual report. [Minn. R. 7001.0150, subp. 2]

3.7.14	The Permittee shall 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 shall transport electronics stored at the Facility off-site for recycling or disposal at an appropriately permitted facility at least annually and the Permittee shall note the volume and the destination in the annual report. [Minn. R. 7001.0150, subp. 2]
<b>TS 001</b>	<b>Tires</b>
3.8.1	<b>Operating And Maintenance Criteria.</b>
3.8.2	The Permittee shall provide a storage area for the collection of waste tires to be removed by a licensed tire hauler. No more than 2,000 passenger tire equivalents (PTEs) may be stored at the facility. The Permittee shall include the number of tires transferred, and the licensed hauler's MPCA transporter identification number, in the facility's annual report. [Minn. R. 9220.0450, subp. 4, Minn. R. 9220.0480, subp. 3]
3.8.3	A waste tire storage area shall be designated. Only waste tires may be stored in the designated waste tire storage area. This area shall be maintained free of vegetation. [Minn. R. 9220.0450, subp. 3(D)]
3.8.4	No operations involving the use of open flames, blow torches, or highly flammable substances shall be conducted within 50 feet of a waste tire pile. [Minn. R. 9220.0450, subp. 3(A)]
3.8.5	No waste tire pile shall have an area greater than 5,000 square feet or a vertical height greater than 10 feet. [Minn. R. 9220.0450, subp. 3(F)]
3.8.6	A 50-foot fire lane shall be placed around the perimeter of each waste tire pile. Access to the fire lane for emergency vehicles shall be unobstructed at all times. The fire lane shall be maintained free of rubbish and vegetation at all times. [Minn. R. 9220.0450, subp. 3(G)]
3.8.7	All tire piles shall be maintained free of mosquitoes and rodents. [Minn. R. 9220.0450, subp. 3(H)]
3.8.8	Surface water drainage shall be diverted around and away from the waste tire storage area. [Minn. R. 9220.0450, subp. 3(I)]

**4. Waste capacity table**

Waste activity	ID	Description	Status	Permitted area	Permitted area units	Permitted capacity	Permitted capacity (Units)	Design capacity	Design capacity (Units)
MSW Land Disposal	SA 001	Municipal Solid Waste Disposal Area	Active / Existing	190.73	acre	24157226	yd3	35308921	yd3
MSW Land Disposal	SA 002	Non-CON Municipal Solid Waste Disposal Area	Proposed	190.73	acre	7003500	yd3	7003500	yd3
Demolition Debris Land Disposal	DD 001	Demolition Debris Disposal Area	Active / Existing	13.90	acre	2752184	yd3	2752184	yd3
Transfer Station	TR 001	Citizen Drop-off Area (MSW)	Active / Existing	1	acre	1000	yd3	5000	ton/yr

Waste activity	ID	Description	Status	Permitted area	Permitted area units	Permitted capacity	Permitted capacity (Units)	Design capacity	Design capacity (Units)
Solid Waste Storage	ST 001	MSW	Active / Existing	1000	ft2	180	yd3	180	yd3
Recycling	RE 001	Appliances	Active / Existing	1000	ft2	150	yd3	150	yd3
Recycling	RE 002	Electronics	Active / Existing	1000	ft2	150	yd3	150	yd3
Recycling	RE 003	Scrap Metal	Active / Existing	200	ft2	30	yd3	30	yd3
Solid Waste Storage	TS 001	Tires	Active / Existing	200	ft2	30	yd3	30	yd3
Leachate Storage	LT 002	Leachate Tank	Active / Existing	1	acre	110000	gal	110000	gal

### 5. Certificate of Need (CON)

Waste activity	ID	CON Issued	CON Issued (Units)	CON Remaining	CON Remaining (Units)	CON Remaining as of
MSW Land Disposal	SA 001	1,692,893	tons	1,692,893	tons	APR 22, 2022

### 6. Submittal/Action requirements

SW-56	Total Facility
5.1.1	The Permittee shall submit an annual facility report: Due annually, by the 1st of March. [Minn. R. 7035.2585]
5.1.2	The Permittee shall submit a spring water monitoring report: Due annually, by the 30th of June. [Minn. R. 7035.2815, subp. 14(P)]
5.1.3	The Permittee shall submit a summer water monitoring report: Due annually, by the 30th of September. [Minn. R. 7035.2815, subp. 14(P)]
5.1.4	The Permittee shall submit an autumn water monitoring report: Due annually, by the 1st of March. [Minn. R. 7035.2815, subp. 14(P)]
5.1.5	The Permittee shall submit annual water monitoring evaluation report: Due annually, by the 1st of March. The report shall contain at a minimum but not limited to: groundwater elevation/flow maps for each monitoring event conducted during the applicable year, tabulated analytical results generated during the year comparing results to pertinent intervention limits while highlighting intervention limit exceedances, a discussion of all monitoring results generated during the year emphasizing results in exceedance of intervention limits, discussing trends observed over time, discussion for further evaluation as needed, along with conclusions and recommendations for future work and proposed changes in monitoring activities. The report shall also contain tabulated analytical results generated for the previous 5 years. [Minn. R. 7035.2815, subp. 14(Q)]
5.1.6	The Permittee shall submit spring quarter leachate report: Due annually, by the 30th of June. [Minn. R. 7035.2815, subp. 14(P)]
5.1.7	The Permittee shall submit summer quarter leachate report: Due annually, by the 30th of September. [Minn. R. 7035.2815, subp. 14(P)]

5.1.8	The Permittee shall submit autumn quarter leachate report: Due annually, by the 1st of February. [Minn. R. 7035.2815, subp. 14(P)]
5.1.9	The Permittee shall submit winter quarter leachate report: Due annually, by the 30th of April. [Minn. R. 7035.2815, subp. 14(P)]
5.1.10	At a minimum of 180 days before the expiration date of this Permit, the Permittee shall submit an application for permit reissuance: Due 3472 calendar days after Permit Issuance Date. [Minn. R. 7001.0040, subp. 3]
5.1.11	The Permittee shall submit work plan: Due by one year after permit issuance. The work plan and its required contents are further described in the 'Special Conditions' section for SW-56 Total Facility. [Minn. R. 7001.0150, subp. 2]
5.1.12	The Permittee shall submit a report: Due by three years after permit issuance. The report and its required contents are further described under the 'Special Conditions' section for SW-56 Total Facility. [Minn. R. 7001.0150, subp. 2]

## 7. Monitoring stations

Monitoring type	Station name	Status	EQUS ID
Groundwater	P-344	Active / Existing	
Groundwater	P-346	Active / Existing	
Groundwater	W-125R	Active / Existing	717737
Groundwater	W-140	Active / Existing	643644
Groundwater	W-222	Active / Existing	449121
Groundwater	W-231	Active / Existing	471400
Groundwater	W-233	Active / Existing	526913
Groundwater	W-235	Active / Existing	552130
Groundwater	W-247	Active / Existing	717738
Groundwater	W-322	Active / Existing	449122
Groundwater	W-325	Active / Existing	449118
Groundwater	W-331	Active / Existing	476352
Groundwater	W-425	Active / Existing	576958
Groundwater	W-431	Active / Existing	476353
Groundwater	W-531	Active / Existing	476354
Groundwater	W139	Active / Existing	643946
Groundwater	W141R	Active / Existing	727768
Groundwater	W242	Active / Existing	643947
Groundwater	W244	Active / Existing	683336
Groundwater	W246	Active / Existing	683335
Liner Leak Detection	LS-10A	Active / Existing	
Liner Leak Detection	LS-15	Active / Existing	
Liner Leak Detection	LS-20	Active / Existing	
Liner Leak Detection	LS-WD1	Active / Existing	
Liner Leak Detection	LS-WD2	Active / Existing	
Liner Leak Detection	LS-WD2B-1	Active / Existing	
Surface Water	S-5	Active / Existing	S008-223
Vapor Point	MMP-1	Active / Existing	

Vapor Point	MMP-10	Active / Existing	
Vapor Point	MMP-11	Active / Existing	
Vapor Point	MMP-12	Active / Existing	
Vapor Point	MMP-2	Active / Existing	
Vapor Point	MMP-3	Active / Existing	
Vapor Point	MMP-4A	Active / Existing	
Vapor Point	MMP-5C	Active / Existing	
Vapor Point	MMP-6	Active / Existing	
Vapor Point	MMP-7A	Active / Existing	
Vapor Point	MMP-8A	Active / Existing	
Vapor Point	MMP-9A	Active / Existing	
Waste Stream	HM-10	Active / Existing	
Waste Stream	HM-15	Active / Existing	
Waste Stream	HM-20	Active / Existing	
Waste Stream	HM-5A	Active / Existing	
Waste Stream	HM-6B	Active / Existing	
Waste Stream	HM-7	Active / Existing	
Waste Stream	HM-9A	Active / Existing	
Waste Stream	HM-WD1A	Active / Existing	
Waste Stream	HM-WD2A	Active / Existing	
Waste Stream	HM-WD2B	Active / Existing	
Waste Stream	LT 001	Active / Existing	

**8. Monitoring groups**

Type	Name	Group description	Assigned stations
Ground Water Monitoring Group	Groundwater Level Monitoring	Used to evaluate water levels measurements for groundwater flow evaluation around the facility	P-344, P-346, W-233, W-322, W-325, W-331, W-425, W-431, W-531, W246
Ground Water Monitoring Group	Groundwater Quality Monitoring	Used to evaluate groundwater quality at upgradient and downgradient monitoring wells	S-5, W-125R, W-140, W-222, W-231, W-235, W-247, W139, W141R, W242, W244
Leachate Monitoring Group	Leachate Head Level Monitoring	Sump	HM-10, HM-15, HM-20, HM-6B, HM-WD1A, HM-WD2A, HM-WD2B, LT 001
Leachate Monitoring Group	Liner Leak Detection System Monitoring	Lysimeter	LS-10A, LS-15, LS-20, LS-WD1, LS-WD2, LS-WD2B-1
Vapor/Gas Monitoring Group	Landfill Gas Monitoring	Gas Monitoring	MMP-1, MMP-10, MMP-11, MMP-12, MMP-2, MMP-4A, MMP-5C, MMP-6, MMP-7A, MMP-8A, MMP-9A

9. Sampling and monitoring requirements

Type	Parameter	CAS	Limit	Unit	Sampling freq.
<b>Groundwater Level Monitoring</b>					
8.1.1	Static Water Level (Elevation, MSL)	PCA-001		ft msl	Apr, Jul, Oct
<b>Groundwater Quality Monitoring</b>					
8.2.1	Ammonia	7664-41-7	125	ug/L	Jul
8.2.2	Chloride	16887-00-6	215,000.0	ug/L	Jul
8.2.3	Cyanide, Total (as CN)	57-12-5	5.5	ug/L	Jul
8.2.4	Fluoride	16984-48-8		ug/L	Jul
8.2.5	Phosphorus	7723-14-0		ug/L	Jul
8.2.6	Sulfate	14808-79-8		ug/L	Jul
8.2.7	Arsenic	7440-38-2	90	ug/L	Jul
8.2.8	Barium	7440-39-3		ug/L	Jul
8.2.9	Antimony	7440-36-0	22.5	ug/L	Jul
8.2.10	Beryllium	7440-41-7		ug/L	Jul
8.2.11	Boron	7440-42-8		ug/L	Jul
8.2.12	Cadmium	7440-43-9	35.5	ug/L	Jul
8.2.13	Calcium	7440-70-2		ug/L	Jul
8.2.14	Chromium	7440-47-3	1239.5	ug/L	Jul
8.2.15	Cobalt	7440-48-4	109	ug/L	Jul
8.2.16	Copper	7440-50-8	14.75	ug/L	Jul
8.2.17	Iron	7439-89-6		ug/L	Jul
8.2.18	Lead	7439-92-1	104.25	ug/L	Jul
8.2.19	Lithium	7439-93-2		ug/L	Jul
8.2.20	Magnesium	7439-95-4		ug/L	Jul
8.2.21	Manganese	7439-96-5	75	ug/L	Jul
8.2.22	Mercury	7439-97-6	0.5	ug/L	Jul
8.2.23	Molybdenum	7439-98-7		ug/L	Jul
8.2.24	Nickel	7440-02-0	1048	ug/L	Jul
8.2.25	Nitrate (as Nitrogen)	14797-55-8		ug/L	Jul
8.2.26	Potassium	7440-09-7		ug/L	Jul
8.2.27	Selenium	7782-49-2	5	ug/L	Jul
8.2.28	Sodium	7440-23-5		ug/L	Jul
8.2.29	Thallium	7440-28-0	16	ug/L	Jul
8.2.30	Tin	7440-31-5		ug/L	Jul
8.2.31	Zinc	7440-66-6	86.5	ug/L	Jul
8.2.32	1,4-Dioxane (p-Dioxane)	123-91-1		ug/L	Apr, Jul, Oct

Type	Parameter	CAS	Limit	Unit	Sampling freq.
8.2.33	2,2-Dichloropropane	594-20-7		ug/L	Apr, Jul, Oct
8.2.34	Acetone	67-64-1		ug/L	Apr, Jul, Oct
8.2.35	Allyl chloride (3 chloropropene)	107-05-1		ug/L	Apr, Jul, Oct
8.2.36	Benzene	71-43-2	1121.75	ug/L	Apr, Jul, Oct
8.2.37	Dichloromethane (Methylene chloride)	75-09-2	3468.75	ug/L	Apr, Jul, Oct
8.2.38	Tetrachloroethylene (Perchloroethylene)	127-18-4	107	ug/L	Apr, Jul, Oct
8.2.39	Trichloroethylene (TCE)	79-01-6	1747	ug/L	Apr, Jul, Oct
8.2.40	1,1,1,2-Tetrachloroethane	630-20-6		ug/L	Apr, Jul, Oct
8.2.41	1,1,1-Trichloroethane	71-55-6	739.25	ug/L	Apr, Jul, Oct
8.2.42	1,1,2,2-Tetrachloroethane	79-34-5	281.75	ug/L	Apr, Jul, Oct
8.2.43	1,1,2-Trichloroethane	79-00-5		ug/L	Apr, Jul, Oct
8.2.44	1,1,2-Trichlorotrifluoroethane	76-13-1		ug/L	Apr, Jul, Oct
8.2.45	1,1-Dichloroethane	75-34-3	25	ug/L	Apr, Jul, Oct
8.2.46	1,1-Dichloroethylene (Vinylidene chloride)	75-35-4	50	ug/L	Apr, Jul, Oct
8.2.47	1,1-Dichloropropene	563-58-6		ug/L	Apr, Jul, Oct
8.2.48	1,2-(trans-) Dichloroethylene	156-60-5		ug/L	Apr, Jul, Oct
8.2.49	1,2,3-Trichlorobenzene	87-61-6		ug/L	Apr, Jul, Oct
8.2.50	1,2,3-Trichloropropane	96-18-4		ug/L	Apr, Jul, Oct
8.2.51	1,2,4-Trichlorobenzene	120-82-1		ug/L	Apr, Jul, Oct
8.2.52	1,2,4-Trimethylbenzene	95-63-6	25	ug/L	Apr, Jul, Oct
8.2.53	1,2-Dibromo-3-chloropropane	96-12-8		ug/L	Apr, Jul, Oct
8.2.54	1,2-Dibromoethane (Ethylene dibromide); EDB	106-93-4		ug/L	Apr, Jul, Oct
8.2.55	1,2-Dichlorobenzene (ortho)	95-50-1		ug/L	Apr, Jul, Oct
8.2.56	1,2-Dichloroethane	107-06-2	4750	ug/L	Apr, Jul, Oct
8.2.57	1,2-Dichloroethylene (cis-)	156-59-2	1322	ug/L	Apr, Jul, Oct
8.2.58	1,2-Dichloropropane	78-87-5		ug/L	Apr, Jul, Oct
8.2.59	1,3,5-Trimethylbenzene	108-67-8	25	ug/L	Apr, Jul, Oct
8.2.60	1,3-Dichlorobenzene	541-73-1		ug/L	Apr, Jul, Oct
8.2.61	1,3-Dichloropropane	142-28-9		ug/L	Apr, Jul, Oct
8.2.62	1,3-Dichloropropene (cis-)	10061-01-5		ug/L	Apr, Jul, Oct
8.2.63	1,3-Dichloropropene (trans-)	10061-02-6		ug/L	Apr, Jul, Oct
8.2.64	1,4-Dichlorobenzene (para-)	106-46-7		ug/L	Apr, Jul, Oct
8.2.65	2-Chlorotoluene	95-49-8		ug/L	Apr, Jul, Oct
8.2.66	4-Chlorotoluene (para-)	106-43-4		ug/L	Apr, Jul, Oct

Type	Parameter	CAS	Limit	Unit	Sampling freq.
8.2.67	Bromobenzene	108-86-1		ug/L	Apr, Jul, Oct
8.2.68	Bromochloromethane (Chlorobromomethane)	74-97-5		ug/L	Apr, Jul, Oct
8.2.69	Bromodichloromethane (Dichlorobromomethane)	75-27-4		ug/L	Apr, Jul, Oct
8.2.70	Bromoform	75-25-2	725	ug/L	Apr, Jul, Oct
8.2.71	Bromomethane (Methyl bromide)	74-83-9		ug/L	Apr, Jul, Oct
8.2.72	Carbon tetrachloride	56-23-5	147.5	ug/L	Apr, Jul, Oct
8.2.73	Chlorobenzene (Monochlorobenzene)	108-90-7	105.75	ug/L	Apr, Jul, Oct
8.2.74	Chlorodibromomethane (Dibromochloromethane)	124-48-1		ug/L	Apr, Jul, Oct
8.2.75	Chloroethane	75-00-3		ug/L	Apr, Jul, Oct
8.2.76	Chloroform	67-66-3	348	ug/L	Apr, Jul, Oct
8.2.77	Cumene (Isopropylbenzene)	98-82-8		ug/L	Apr, Jul, Oct
8.2.78	Dibromomethane (Methylene bromide)	74-95-3		ug/L	Apr, Jul, Oct
8.2.79	Dichlorodifluoromethane	75-71-8	175	ug/L	Apr, Jul, Oct
8.2.80	Dichlorofluoromethane	75-43-4		ug/L	Apr, Jul, Oct
8.2.81	Ethyl ether	60-29-7	50	ug/L	Apr, Jul, Oct
8.2.82	Ethylbenzene	100-41-4	12.5	ug/L	Apr, Jul, Oct
8.2.83	Hexachlorobutadiene	87-68-3		ug/L	Apr, Jul, Oct
8.2.84	Chloromethane	74-87-3		ug/L	Apr, Jul, Oct
8.2.85	Methyl ethyl ketone (MEK)	78-93-3		ug/L	Apr, Jul, Oct
8.2.86	Methyl isobutyl ketone (4- Methyl-2-pentanone)	108-10-1		ug/L	Apr, Jul, Oct
8.2.87	Methyl-tert-butylether	1634-04-4		ug/L	Apr, Jul, Oct
8.2.88	Naphthalene	91-20-3	102.25	ug/L	Apr, Jul, Oct
8.2.89	n-Butylbenzene	104-51-8		ug/L	Apr, Jul, Oct
8.2.90	n-Propylbenzene	103-65-1		ug/L	Apr, Jul, Oct
8.2.91	p-Isopropyltoluene	99-87-6		ug/L	Apr, Jul, Oct
8.2.92	sec-Butylbenzene	135-98-8		ug/L	Apr, Jul, Oct
8.2.93	Styrene	100-42-5	55.875	ug/L	Apr, Jul, Oct
8.2.94	tert-Butylbenzene	98-06-6		ug/L	Apr, Jul, Oct
8.2.95	Tetrahydrofuran	109-99-9		ug/L	Apr, Jul, Oct
8.2.96	Toluene	108-88-3	50	ug/L	Apr, Jul, Oct
8.2.97	Trichlorofluoromethane	75-69-4		ug/L	Apr, Jul, Oct
8.2.98	Vinyl chloride (chloroethene)	75-01-4	230	ug/L	Apr, Jul, Oct
8.2.99	Xylene	1330-20-7	351.75	ug/L	Apr, Jul, Oct
8.2.100	Aluminum	7429-90-5	268	ug/L	Jul
8.2.101	Solids, Total Dissolved	C010		ug/L	Apr, Jul, Oct



Type	Parameter	CAS	Limit	Unit	Sampling freq.
	(TDS)				
8.2.102	Solids, Total Suspended (TSS)	C009		NTU	Apr, Jul, Oct
8.2.103	Eh (Oxidation potential)	4		mV	Apr, Jul, Oct
8.2.104	Specific Conductance	C-011		umhos/cm	Apr, Jul, Oct
8.2.105	Static Water Level (Elevation, MSL)	PCA-001		ft msl	Apr, Jul, Oct
8.2.106	Temperature	T-121		degrees C	Apr, Jul, Oct
8.2.107	Color	M002		SU	Apr, Jul, Oct
8.2.108	pH, Field	C006		SU	Apr, Jul, Oct
<b>Landfill Gas Monitoring</b>					
8.3.1	Carbon Dioxide	124-38-9		%	Apr, Jul, Oct, Dec
8.3.2	Methane	74-82-8		%	Apr, Jul, Oct, Dec
8.3.3	Oxygen	0		%	Apr, Jul, Oct, Dec
<b>Leachate Head Level Monitoring</b>					
8.4.1	Leachate Head		12	in	Jan-Dec
<b>Liner Leak Detection System Monitoring</b>					
8.5.1	Alkalinity, Total as CaCO3	T-005		ug/L	Apr, Jul, Oct
8.5.2	Ammonia	7664-41-7		ug/L	Apr, Jul, Oct
8.5.3	Chloride	16887-00-6		ug/L	Apr, Jul, Oct
8.5.4	Cyanide, Total (as CN)	57-12-5		ug/L	Apr, Jul, Oct
8.5.5	Fluoride	16984-48-8		ug/L	Apr, Jul, Oct
8.5.6	Phosphorus	7723-14-0		ug/L	Apr, Jul, Oct
8.5.7	Sulfate	14808-79-8		ug/L	Apr, Jul, Oct
8.5.8	Arsenic	7440-38-2		ug/L	Apr, Jul, Oct
8.5.9	Barium	7440-39-3		ug/L	Apr, Jul, Oct
8.5.10	Antimony	7440-36-0		ug/L	Apr, Jul, Oct
8.5.11	Beryllium	7440-41-7		ug/L	Apr, Jul, Oct
8.5.12	Boron	7440-42-8		ug/L	Apr, Jul, Oct
8.5.13	Cadmium	7440-43-9		ug/L	Apr, Jul, Oct
8.5.14	Calcium	7440-70-2		ug/L	Apr, Jul, Oct
8.5.15	Chromium	7440-47-3		ug/L	Apr, Jul, Oct
8.5.16	Cobalt	7440-48-4		ug/L	Apr, Jul, Oct
8.5.17	Copper	7440-50-8		ug/L	Apr, Jul, Oct
8.5.18	Iron	7439-89-6		ug/L	Apr, Jul, Oct

Type	Parameter	CAS	Limit	Unit	Sampling freq.
8.5.19	Lead	7439-92-1		ug/L	Apr, Jul, Oct
8.5.20	Lithium	7439-93-2		ug/L	Apr, Jul, Oct
8.5.21	Magnesium	7439-95-4		ug/L	Apr, Jul, Oct
8.5.22	Manganese	7439-96-5		ug/L	Apr, Jul, Oct
8.5.23	Mercury	7439-97-6		ug/L	Apr, Jul, Oct
8.5.24	Molybdenum	7439-98-7		ug/L	Apr, Jul, Oct
8.5.25	Nickel	7440-02-0		ug/L	Apr, Jul, Oct
8.5.26	Nitrate (as Nitrogen)	14797-55-8		ug/L	Apr, Jul, Oct
8.5.27	Potassium	7440-09-7		ug/L	Apr, Jul, Oct
8.5.28	Selenium	7782-49-2		ug/L	Apr, Jul, Oct
8.5.29	Sodium	7440-23-5		ug/L	Apr, Jul, Oct
8.5.30	Thallium	7440-28-0		ug/L	Apr, Jul, Oct
8.5.31	Tin	7440-31-5		ug/L	Apr, Jul, Oct
8.5.32	Zinc	7440-66-6		ug/L	Apr, Jul, Oct
8.5.33	2,2-Dichloropropane	594-20-7		ug/L	Apr, Jul, Oct
8.5.34	pH	C006		SU	Apr, Jul, Oct
8.5.35	Acetone	67-64-1		ug/L	Apr, Jul, Oct
8.5.36	Allyl chloride (3 chloropropene)	107-05-1		ug/L	Apr, Jul, Oct
8.5.37	Benzene	71-43-2		ug/L	Apr, Jul, Oct
8.5.38	Dichloromethane (Methylene chloride)	75-09-2		ug/L	Apr, Jul, Oct
8.5.39	Tetrachloroethylene (Perchloroethylene)	127-18-4		ug/L	Apr, Jul, Oct
8.5.40	Trichloroethylene (TCE)	79-01-6		ug/L	Apr, Jul, Oct
8.5.41	1,1,1,2-Tetrachloroethane	630-20-6		ug/L	Apr, Jul, Oct
8.5.42	1,1,1-Trichloroethane	71-55-6		ug/L	Apr, Jul, Oct
8.5.43	1,1,2,2-Tetrachloroethane	79-34-5		ug/L	Apr, Jul, Oct
8.5.44	1,1,2-Trichloroethane	79-00-5		ug/L	Apr, Jul, Oct
8.5.45	1,1,2-Trichlorotrifluoroethane	76-13-1		ug/L	Apr, Jul, Oct
8.5.46	1,1-Dichloroethane	75-34-3		ug/L	Apr, Jul, Oct
8.5.47	1,1-Dichloroethylene (Vinylidene chloride)	75-35-4		ug/L	Apr, Jul, Oct
8.5.48	1,1-Dichloropropene	563-58-6		ug/L	Apr, Jul, Oct
8.5.49	1,2-(trans-) Dichloroethylene	156-60-5		ug/L	Apr, Jul, Oct
8.5.50	1,2,3-Trichlorobenzene	87-61-6		ug/L	Apr, Jul, Oct
8.5.51	1,2,3-Trichloropropane	96-18-4		ug/L	Apr, Jul, Oct
8.5.52	1,2,4-Trichlorobenzene	120-82-1		ug/L	Apr, Jul, Oct
8.5.53	1,2,4-Trimethylbenzene	95-63-6		ug/L	Apr, Jul, Oct
8.5.54	1,2-Dibromo-3-chloropropane	96-12-8		ug/L	Apr, Jul, Oct
8.5.55	1,2-Dibromoethane	106-93-4		ug/L	Apr, Jul, Oct

Type	Parameter	CAS	Limit	Unit	Sampling freq.
	(Ethylene dibromide); EDB				
8.5.56	1,2-Dichlorobenzene (ortho)	95-50-1		ug/L	Apr, Jul, Oct
8.5.57	1,2-Dichloroethane	107-06-2		ug/L	Apr, Jul, Oct
8.5.58	1,2-Dichloroethylene	540-59-0		ug/L	Apr, Jul, Oct
8.5.59	1,2-Dichloroethylene (cis-)	156-59-2		ug/L	Apr, Jul, Oct
8.5.60	1,2-Dichloropropane	78-87-5		ug/L	Apr, Jul, Oct
8.5.61	1,3,5-Trimethylbenzene	108-67-8		ug/L	Apr, Jul, Oct
8.5.62	1,3-Dichlorobenzene	541-73-1		ug/L	Apr, Jul, Oct
8.5.63	1,3-Dichloropropane	142-28-9		ug/L	Apr, Jul, Oct
8.5.64	1,3-Dichloropropene (cis-)	10061-01-5		ug/L	Apr, Jul, Oct
8.5.65	1,3-Dichloropropene (trans-)	10061-02-6		ug/L	Apr, Jul, Oct
8.5.66	1,4-Dichlorobenzene (para-)	106-46-7		ug/L	Apr, Jul, Oct
8.5.67	2-Chlorotoluene	95-49-8		ug/L	Apr, Jul, Oct
8.5.68	4-Chlorotoluene (para-)	106-43-4		ug/L	Apr, Jul, Oct
8.5.69	Bromobenzene	108-86-1		ug/L	Apr, Jul, Oct
8.5.70	Bromochloromethane (Chlorobromomethane)	74-97-5		ug/L	Apr, Jul, Oct
8.5.71	Bromodichloromethane (Dichlorobromomethane)	75-27-4		ug/L	Apr, Jul, Oct
8.5.72	Bromoform	75-25-2		ug/L	Apr, Jul, Oct
8.5.73	Bromomethane (Methyl bromide)	74-83-9		ug/L	Apr, Jul, Oct
8.5.74	Carbon tetrachloride	56-23-5		ug/L	Apr, Jul, Oct
8.5.75	Chlorobenzene (Monochlorobenzene)	108-90-7		ug/L	Apr, Jul, Oct
8.5.76	Chlorodibromomethane (Dibromochloromethane)	124-48-1		ug/L	Apr, Jul, Oct
8.5.77	Chloroethane	75-00-3		ug/L	Apr, Jul, Oct
8.5.78	Chloroform	67-66-3		ug/L	Apr, Jul, Oct
8.5.79	Cumene (Isopropylbenzene)	98-82-8		ug/L	Apr, Jul, Oct
8.5.80	Dibromomethane (Methylene bromide)	74-95-3		ug/L	Apr, Jul, Oct
8.5.81	Dichlorodifluoromethane	75-71-8		ug/L	Apr, Jul, Oct
8.5.82	Dichloroethylene	25323302		ug/L	Apr, Jul, Oct
8.5.83	Dichlorofluoromethane	75-43-4		ug/L	Apr, Jul, Oct
8.5.84	Ethyl ether	60-29-7		ug/L	Apr, Jul, Oct
8.5.85	Ethylbenzene	100-41-4		ug/L	Apr, Jul, Oct
8.5.86	Hexachlorobutadiene	87-68-3		ug/L	Apr, Jul, Oct
8.5.87	Chloromethane	74-87-3		ug/L	Apr, Jul, Oct
8.5.88	Methyl ethyl ketone (MEK)	78-93-3		ug/L	Apr, Jul, Oct
8.5.89	Methyl isobutyl ketone (4-	108-10-1		ug/L	Apr, Jul, Oct

Type	Parameter	CAS	Limit	Unit	Sampling freq.
	Methyl-2-pentanone)				
8.5.90	Methyl-tert-butylether	1634-04-4		ug/L	Apr, Jul, Oct
8.5.91	Naphthalene	91-20-3		ug/L	Apr, Jul, Oct
8.5.92	n-Butylbenzene	104-51-8		ug/L	Apr, Jul, Oct
8.5.93	n-Propylbenzene	103-65-1		ug/L	Apr, Jul, Oct
8.5.94	p-Isopropyltoluene	99-87-6		ug/L	Apr, Jul, Oct
8.5.95	sec-Butylbenzene	135-98-8		ug/L	Apr, Jul, Oct
8.5.96	Styrene	100-42-5		ug/L	Apr, Jul, Oct
8.5.97	tert-Butylbenzene	98-06-6		ug/L	Apr, Jul, Oct
8.5.98	Tetrahydrofuran	109-99-9		ug/L	Apr, Jul, Oct
8.5.99	Toluene	108-88-3		ug/L	Apr, Jul, Oct
8.5.100	Trichloroethane	25323891		ug/L	Apr, Jul, Oct
8.5.101	Trichlorofluoromethane	75-69-4		ug/L	Apr, Jul, Oct
8.5.102	Vinyl chloride (chloroethene)	75-01-4		ug/L	Apr, Jul, Oct
8.5.103	Xylene	1330-20-7		ug/L	Apr, Jul, Oct
8.5.104	1,3,5-Trichlorobenzene	108-70-3		ug/L	Apr, Jul, Oct