Clifford Shierk, P.E. Engineer

Minnesota Pollution Control Agency

Resource Management and Assistance Division

520 Lafayette Road North St. Paul, MN 55155

**Burnsville Sanitary Landfill Comments on MPCA Draft Solid Waste Permit SW-56-001**

Comment 1

BSL requests that the following modified language be incorporated into permit condition 3.2.14 regarding insulating material over the liner:

*“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 utilizing a compacted clay barrier layer 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)]”*

Certain areas of the liner system utilize geosynthetic clay liner (GCL) instead of compacted clay for the barrier layer underlying the geomembrane liner. Due to the self-healing properties of a GCL after exposure to freeze-thaw conditions it is not necessary to insulate the liner areas that use a GCL barrier layer. BSL therefore requests that insulating material only be required on areas with a compacted clay barrier layer and not on areas with a GCL barrier layer. This design has been approved by MPCA at other solid waste landfills.

The Facility’s Operations Plan will be updated to reflect this change and will be re-submitted to MPCA for inclusion in the final permit.

Comment 2

BSL requests that the following modified language be incorporated into permit condition 5.1.8 regarding submittal date for the autumn quarter leachate report:

*“The Permittee shall submit autumn quarter leachate report: Due annually, by the 1st of ~~February~~March. [Minn. R. 7035.2815, subp. 14(P)]”*

The March 1 date corresponds with the autumn water monitoring report required under condition 5.1.4.

Comment 3

As part of the Planned Unit Development (PUD) approval process, the City of Burnsville has requested an updated phasing plan for the Facility. Preparation of the phasing plan is in progress. The updated phasing plan will be similar to that shown on Sheets 28 through 32 of the Permit Modification Drawings, with the following notable changes:

* The perimeter berm/levee for the ADA will be shown in the initial phase of development (i.e. Fill Increment 1). Construction of the levee will require a dry construction season, and planning for levee construction during the early stages of development will allow flexibility to construct when conditions are most suitable. This means construction could begin as early as 2023 if the dry conditions experienced during 2021 and 2022 continue, or if 2023 is a wetter year construction could be delayed to a drier year and/or phased over multiple years. The updated phasing plan will not supersede the requirements of applicable permits and approvals (e.g. MPCA permit, Burnsville PUD, etc.) pertaining to tasks that must be completed prior to expanding the facility footprint and/or constructing new slope liner over unlined areas of the landfill.
* Filling in the ADA will be shown in Fill Increment 3, instead of waiting until Fill Increment 4 as shown in the current phasing plan. This will allow BSL to better optimize the operational area and facilitate stormwater management during cell construction in the ADA.
* Filling in the ADA Phase A-1 and A-2 may be moved forward depending upon when the levee is completed and anticipated waste volume. The 2019 phasing drawing Phase 3 shows construction of the west ½ of the liner over the C&D area and Phase 4 was the construction and filling of the Annex Phase A-1 and A-2. WE are requesting the option to fill per the 2019 phasing plan or to move Phase 4 in front of Phase 3 and develop the first two phases of the annex first to build the base of the landfill before proceeding more vertical will be shown in Fill Increment 3, instead of waiting until Fill Increment 4 as shown in the current phasing plan. This will allow BSL to better optimize the operational area and facilitate stormwater management during cell construction in the ADA

The Facility’s Operations Plan and Permit Modification Drawings will be updated to reflect this change and will be re-submitted to the MPCA for inclusion in the final permit.

Comment 4

BSL requests several changes to the monitoring tables (i.e. sections 7, 8, 9) of the draft permit. The requested changes are shown on the attached copy of the permit tables.

**MICHAEL MILLER**



**Senior District Manager/**

**Special projects**

Minnesota/Iowa/Dakotas

**mmille20@wm.com**

**C:** 612-437-7392

2650 West Cliff Road

Burnsville, MN 55337

