

Regional General Solid Waste Permit # SWGPNSB-26
Appendix B

8.0 MONITORING PLAN

Landfill monitoring is necessary to ensure the landfill components are working as designed and to verify the landfills do not impact the environment outside of the facility. All monitoring records shall be transmitted to the Landfill Manager and maintained in the Operation Record. The Landfill Manager is responsible for scheduling inspections and verifying that any deficiency identified is remedied or repaired, and reported to agencies as required.

A Visual Monitoring Inspection Checklist is included at the end of this section.

Inspections frequencies and mandatory reporting dates shall be as follows:

| | <u>Frequency</u> | <u>Reporting Date(s)</u> |
|---------------------------|------------------|--------------------------|
| • Fence Inspections | Monthly | None |
| • Dike/Tundra Inspections | Monthly | None |
| • Equipment | Monthly | None |
| <i>Special Sampling</i> | | |
| • Sewage Sludge | 5 year cycle | Within 60 Days of Sample |

Winter conditions may preclude inspections. Snow and ice may prevent inspection of landfill components. Annotate monthly inspection log with winter conditions should inspection not be possible due to winter conditions.

8.1 FENCE INSPECTION

The perimeter fencing shall be inspected for stability and condition. Posts should be plumb, with fence fabric buried into the existing ground. Fence fabric should be continuous with no breaks in the fabric mesh. The fence fabric, all tension wire and barbed wire, should be taught with no sag apparent. Repairs shall be undertaken as soon as practical should inspections discover deficiencies.

The gates shall be in good working order. The gate fabric mesh shall be free of breaks. Cross bracing shall be firmly attached to the gate. Gate posts shall be plumb, without evidence of bending or rotating at or below grade. The gravel road underneath the gates shall be evenly graded allowing gates to swing freely.

Verify that notification signage is in place on the landfill fence a gates. Replace any sign hog rings if missing or broken. Replace sign if vinyl covering is damaged and not readable.

8.2 DIKE/TUNDRA INSPECTION

Inspection of the dike walls and surrounding tundra: The inspection should look for evidence of erosion on the working pads, exterior dike slopes, and settlement cracks in fill or accumulating water around the dike.

Erosion on the dike face will be apparent by channels cut into the gravel fills, or deposits of silty material near the toe of the dike. Deficiencies in the working pad or dike slope shall be corrected by regrading to prevent further damage and compromise of the dike wall integrity.

Excess amounts of water ponding near the dike will be monitored for changes in size, depth, or location. Movement in the dike should be noted during any monitoring activities. Should these areas of ponded water continue to grow, based on seasonal inspections, measures will be taken to divert the contributing drainage from the ponded areas into areas of adequate season drainage. The remaining ponded areas shall be monitored to see if drainage is required to prevent damage to the facility.

8.4 SEWAGE SLUDGE SAMPLING

Sewage solids are required to be sampled every five years beginning in 2011. Sampling will ensure that the waste stream remains non-hazardous and does not contain free liquids. Samples are required for testing under the Toxicity Characteristic Leaching Procedure (EPA Method 1311) and the Paint Filter Liquids Test (EPA Method 9095). Sample results shall be forwarded to DEC within 60 days of sampling.

Support from Wastewater Plant personnel will be required during testing.

8.5 STATE AND FEDERAL INSPECTIONS

The landfills shall be open to inspections by State and Federal agencies. The agencies will generally notify the Landfill Manager prior to the inspection. Scheduling the inspection will allow the Borough and the Agency to coordinate on dates the landfills will be in operation, as well as allocate personnel to assist the Agency when need arises.

A landfill operator will accompany all State or Federal agency inspectors during a facility inspection. The landfill operator accompanying the agency personnel shall provide the Landfill Manager a report of the inspection. Names of inspectors and agencies, as well as significant events or observations shall be noted. The Landfill Manager will include the report in the Operating Record.