

Town of Colonie Landfill Facility

Exhibit G

List of Pre-existing Environmental Conditions

(Excludes the unnamed waste area and associated disposal activities)

- Statistical trigger values exceeded in groundwater from down gradient monitoring wells in Area 5 and Area 6. Parameters typically include calcium, sodium, magnesium, manganese, nitrate or sulfate. NYSDEC has not required corrective action on any of the trigger value exceedances during operational monitoring in Areas 5 or 6.
- In annual samples from well CW-5 (down gradient and northeast of closed areas), benzene and chlorobenzene concentrations consistently exceed NYSDEC Class GA Groundwater Standards. Concentrations of benzene have declined from 65 ppb in 2000 to 6 ppb in 2010. Chlorobenzene concentrations have been relatively consistent at approximately 20 ppb for the last 10 years.
- Area 3 and 4 – Waste outside of SEQRA limit along west side. During closure of area 4 and the development of compost pad north of the Area 4, waste was encountered west of the area 4 landfill and west of the compost access roadway. Historic documents used to establish the SEQRA limit for Area 5 permit application show that waste extended beyond the SEQRA limit of area 4. This area is capped and covered and no further mitigation is required at this time.
- Area 5 – Waste beyond cell limits to the west. Waste has impacted the Area 5 Pore Pressure Relief System (PPRS) and potentially the groundwater. During the construction of Area 5, Phase I - waste was encountered west of the west berm limits at the Area 5, Phase I cell. Minor Municipal Solid Waste (MSW) and wood waste was encountered and was excavated and relocated to the Area 4 landfill. There was some remaining waste as evidenced by perched groundwater that bled from the west excavation slope that had had slight odor and discoloration. Flows diminished during the course of construction activities.
- Area 5 – Action Leakage Rates (ALRs) in excess of 20 Gallons per Acre-per Day (GAD) have been observed. Area 5, Cell B ALRs, although stable, have slightly exceeded the 20 GAD threshold on a 30 day average. NYSDEC has not required contingency action.
- Area 6, Phase I – The Secondary Western sub-cell isolation berm has been breached causing all secondary leachate flow to register in the Eastern sub-cell. Despite the loss of isolation between the secondary sub-cells, we have maintained environmental containment. The end result is that the two sub cells now function as one combined cell. ALR reporting for Area 6, Phase I has been modified to reflect the failure of sub-cell isolation berm. NYSDEC has not required contingency action.

- Leachate seeps at Area 3 and Area 4 soil caps at eastern side. Occasional leachate seeps have occurred through the soil cap in these Areas. NYSDEC cited the Town for this seepage in 2008 and the Town mitigated this issue by removing material, incorporating additional sumps and repairing the clay cap. The area requires continued monitoring and inspections. Any additional seepage has been remediated when detected.
- Area 4 Cap – Some settlement on the flat portions has required corrective action. Differential settlement has occurred at various locations on the Area 4 composite cap which has required corrective action to ensure positive drainage in some areas.
- Area 4 Cap – Northern toe, leachate seeps. Leachate seeps have occasionally occurred at the northern toe of the Area 4 membrane cap at the interface with the soil cap of other landfill areas. This area requires continued monitoring but no mitigation is required at this time
- Friable Asbestos disposal occurred in landfill Areas 2, 3 and 4. Asbestos was accepted for disposal during the operational lifetimes of landfill in these areas.