

Table 4-2: Preliminary Stability Assessment – Barrel Dump Landfill

Feature	Severity Rating	Extent
Settlement	Not Observed	None
Erosion	Acceptable	Occasional
Frost Action	Not Observed	None
Staining	Acceptable	Occasional
Vegetation Stress	Acceptable	Occasional
Seepage / Ponded Water	Acceptable	Occasional
Debris Exposure	Marginal	Numerous
Overall Landfill Performance	Marginal	
Performance / Severity Rating	Description	
Acceptable	Noted features are of little consequence. The landfill is performing as designed. Minor deviations in environmental or physical performance may be observed, such as isolated areas of erosion, settlement.	
Marginal	Physical/environmental performance appears to be deteriorating with time. Observations may include an increase in size or number of features of note, such as differential settlement, erosion or cracking. No significant impact on landfill stability to date, but potential for failure is assessed as low or moderate.	
Significant	Significant or potentially significant changes affecting landfill stability, such as significant changes in slope geometry, significant erosion or differential settlement; scarp development. The potential for failure is assessed as imminent.	
Unacceptable	Stability of landfill is compromised to the extent that ability to contain waste materials is compromised. Examples may include: - Debris exposed in erosion channels or areas of differential settlement. - Liner exposed. - Slope failure.	
Extent	Description	
Isolated	Singular feature	
Occasional	Features of note occurring at irregular intervals/locations	
Numerous	Many features of note, impacted less than 50% of the surface area of the landfill	
Extensive	Impacting greater than 50% of the surface area of the landfill	