

**Table 5-2: Preliminary Stability Assessment – Station Area Landfill**

| Feature                       | Severity Rating                                                                                                                                                                                                                                                                                                            | Extent   |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Settlement                    | Acceptable                                                                                                                                                                                                                                                                                                                 | Isolated |
| Erosion                       | Acceptable                                                                                                                                                                                                                                                                                                                 | Isolated |
| Frost Action                  | Not Observed                                                                                                                                                                                                                                                                                                               | None     |
| Staining                      | Acceptable                                                                                                                                                                                                                                                                                                                 | Numerous |
| Vegetation Stress             | Not Observed                                                                                                                                                                                                                                                                                                               | None     |
| Seepage / Ponded Water        | Acceptable                                                                                                                                                                                                                                                                                                                 | Numerous |
| Debris Exposure               | Acceptable                                                                                                                                                                                                                                                                                                                 | Isolated |
| Overall Landfill Performance  | Acceptable                                                                                                                                                                                                                                                                                                                 |          |
|                               |                                                                                                                                                                                                                                                                                                                            |          |
| 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: <ul style="list-style-type: none"><li>• Debris exposed in erosion channels or areas of differential settlement.</li><li>• Liner exposed.</li><li>• Slope failure.</li></ul>               |          |
|                               |                                                                                                                                                                                                                                                                                                                            |          |
| 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                                                                                                                                                                                                                                                             |          |