**RESPONSE TO LANDFILL OBSERVATIONS AND RECOMMENDATIONS PER**
**ATC LANDFILL SITE INSPECTION REPORT - 2018**
**Documented to meet 257.83(b)(5)**

| | DEFICIENCY/OBSERVATION | INSPECTION RECOMMENDATION # | CORRECTIVE MEASURE |
|---|---|---|---|
| 1 | Inlet to drainage culvert on the east side of the landfill has been blocked by riprap and minor erosion is present at the outlet of the culvert. | Landfill Partial Closure Area 2 | Cleared riprap to allow water to flow into the culvert and added riprap downstream to prevent erosion. |
| 2 | A sinkhole has developed above a culvert on the east slope of the partial closure area, indicating a joint failure. Erosion was noted along the perimeter of the outlet splash pad. | Landfill Partial Closure Area 3 | Installed new couplers, sealed joints with tar tape, and added stone to the splash pad. |
| 3 | Two drop inlets on the north side top of landfill have become clogged with vegetation. | Landfill Partial Closure Area 4 | Cleared the vegetation. |
| 4 | Seep on north slope near east end of landfill. Water is collected and conveyed in pipes to the Capital Pond. | Landfill Partial Closure Area 5 | Installed new straw wattles, seeded area, continue to collect and convey seep water, and monitor during weekly visual inspections. |
| 5 | On the north slope, riprap channels have become overgrown with vegetation along the edges of the stone. Flow from the outlet of a downdrain culvert is causing erosion and undercutting at the opening of a riprap channel. Erosion in the toe of diversion berms on the north slope. | Landfill Partial Closure Area 6, 7, 11 | Vegetation was mowed, and erosion and undercutting was repaired. |
| 6 | On the north slope, an HDPE pipe from the active fill area to a manhole did not have erosion controls upstream of the pipe inlet, leading to filter cake sediment entering the pipe and into the manhole system, which resulted in buildup of sediment. It appeared that the manhole had recently overtopped. | Landfill Partial Closure Area 8 | Pipe was removed and the area was cleaned and reseeded. |
| 7 | West of the inlet to the HDPE pipe in the prior observation (#7), the sediment pond recently overtopped the silt fence and filtercake flowed to a culvert that was partially clogged with vegetation and eroded along the drainage channel. | Landfill Partial Closure Area 9 | Closed / Covered active cell, cleaned areas, repaired erosion. |
| 8 | Water ponded in the toe of the diversion berm on the north slope. | Landfill Partial Closure Area 10 | Regraded to facilitate proper drainage, then seeded the area. |
| 9 | Seepage around manhole #12. Recent reseeding in the perimeter ditch north of the manhole, and filter cake in the drainage ditch. Recent heavy rains had caused sediment transport requiring cleanup and reseeding. | Landfill Partial Closure Area 12 & 13 | Removed contaminated soil, added top soil, seeded the area around manhole #12. Perimeter ditch was cleaned, graded, and lined with riprap. |
| 10 | The top of a slope of the north side of the active landfill area has been graded to flow into a diversion berm, which creates a path on the north side of the partial closure area for filter cake to migrate. | Landfill Partial Closure Area 14 | Closed the active cell. |
| 11 | At the northwest corner of cell 18, the standing water surface in the cell is slightly below road elevation. During large magnitude storm events the cell may be susceptible to overtopping. | Active Landfill Area 2 | Added two feet to the levee and installed a drain. |
| 12 | Water ponded at the toe of the filter cake slopes. | Vertical Expansion Area 2 | Closed the cell. |
| 13 | Seep at the toe of the slope adjacent to the riprap channel. | Inactive Landfill Area 1 | Continue to monitor and direct seep water and storm water to the drainage system that routes to the sedimentation basin. |
| 14 | The southeast portion of the pond has accumulated a large volume of sediment. | Sedimentation Basin 2 | Removed accumulated sediment. |
| 15 | Erosion in the perimeter drainage channels near the northeast corner of the pond and along the west side of the pond, | Sedimentation Basin 4 | Graded the perimeter drainage channels and installed rock to prevent erosion along the flow lines. |
| 16 | Area around the southeeast corner of the pond is not graded to drain and ponding water. | Sedimentation Basin 5 | Graded and seeded. |