

**Addendum 2 to Volume 3, Part III of the Technically Complete Application**

The following list of minor revisions to Volume 3, Part III of the original Technically Complete Application were done under the seal of Shawn Buell, P.E.

Attachment D:

Page D-5, Section 3.1 –Site access route description revised.

Attachment D7:

Page D7-7, Section 3.3 – Added additional discussion of slurry wall.

  


*2/23/2024*

Sealed for Addendum 2 Revisions Only

### 3 LANDFILL UNIT

---

*30 TAC §330.63(d)(4)*

The landfill unit design includes all weather operation, landfilling methods, landfill design parameters, site life projection, landfill cross sections, and the liner and final cover quality control plans.

#### 3.1 All-Weather Operation

*30 TAC §330.63(d)(4)(A)*

The landfill perimeter road will be constructed of crushed stone, gravel, concrete rubble, masonry rubble, wood chips, caliche or other similar materials to provide access to the disposal area during all weather conditions. To enhance operating efficiency during wet weather, a disposal area close to the all-weather roads may be reserved for wet weather operations. The wet weather area will move as operations progress.

Site personnel will maintain the perimeter roads for all-weather access. Stockpiles of crushed stone, gravel, concrete rubble, masonry rubble, wood chips, caliche or other similar material will be available for use in maintaining all-weather access roads. Grading equipment or other appropriate equipment will be used as necessary to control or remove mud from the entrance and access roads.

Tracking of mud onto public roads will be minimized by the all-weather surfaces of the perimeter road and the site access driveway. The almost 7,600-ft long site access driveway will be a 28-foot-wide road constructed in accordance with the details of the site access drive described in the Traffic Impact Analysis provided as Appendix L. Additional mud control will be provided by a truck wheel wash.

#### 3.2 Landfilling Methods

*30 TAC §330.63(d)(4)(B)*

The development method for the landfill will be a combination of area-excitation fill followed by aerial fill to the proposed landfill completion height. Final cover placement will generally follow the sequence of development as shown in Part III, Attachment D1, Drawing D1.3 and will be ongoing as the site is developed. Completed areas will be closed according to the closure plan provided in Part III, Attachment H – Closure Plan.

#### 3.3 Landfill Design Parameters

*30 TAC §330.63(d)(4)(C)*

The 636 permitted acres will include 209 acres within the Phase I area, which includes 115 acres for waste disposal. The elevation of the deepest excavation will be 170 feet msl and the maximum elevation of final cover will be 385.4 feet msl. The maximum elevation of disposed waste will be 381.9 feet msl.

Excavation sideslopes will not exceed 3H:1V and waste sideslopes will not exceed 4H: 1V. Final cover topslopes will have a six percent slope. Excavation and final completion plans are presented on Attachment D1, Drawings D1.6 and D1.7.

#### 3.4 Site Life Projection

*30 TAC §330.63(d)(4)(D)*

The total volume available for waste disposal will be approximately 16.3 million cubic yards (waste and

and keyed a minimum of three feet into Stratum III (predominantly clay). The slurry wall will reduce the volume of water removed during the dewatering operations. The slurry wall will completely enclose any dewatering systems required during construction.

