Part III Attachment III-D Appendix III-D.4

LANDFILL OPERATION AND SITE LIFE

Pescadito Environmental Resource Center

MSW No. 2374

Webb County, Texas



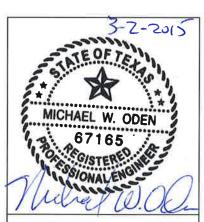
March 2015

Prepared for:

Rancho Viejo Waste Management, LLC 1116 Calle del Norte Laredo, TX 78041

Prepared by:
CB&I Environmental and
Infrastructure, Inc.

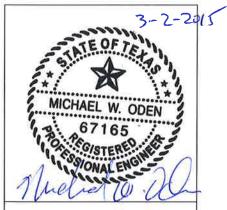




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1.0 SITE LIFE

The PERC Landfill will accept waste generated in Webb County, Texas, adjacent counties and surrounding areas and even remote locations delivered by transfer vehicles or rail. The PERC Landfill has been designed to provide efficient disposal capacity for waste generated from practically any area, including Mexico. The facility will have the ability to accept waste 24 hours per day, 7 days per week. It is projected that the landfill waste acceptance rate will begin at approximately 1,000,000 tons per year (2,740 tons per day) and increase to approximately 3,650,000 tons per year (10,000 tons per day) in seven years before leveling off to an annual increase of 1.0 percent per year for the remaining life of the facility. Based on this assumption, the life has been calculated at approximately 47 years. See Table III-D.4-1.

2.0 LANDFILL CAPACITY

There are two waste disposal units within the PERC facility. They are termed the North unit and South unit, with the North unit planned to open first and disposal operations proceeding in a southerly direction. Utilizing AutoCAD Civil 3D[®] software, the disposal capacity for the North and South units is 107,967,900 and 115,349,900 cubic yards respectively. These volumes were generated from surfaces representing the top of the liner protective cover and the bottom of the final cover surface (top of waste grades) and present the volume available for waste and daily cover.

3.0 AIRSPACE UTILIZATION

For planning purposes, an airspace utilization factor (AUF) of 0.8775 tons per cubic yard (65 pounds per cubic foot) has been used to project site life. The AUF is defined as the tons of waste received for disposal divided by the actual volume used for the waste and daily cover.

Pescadito Environmental Resource enterically Complete, March 11, 2016

Landfill Life Calculations Table III-D.4-1

North Unit Capacity = 107,966,900 Cubic Yards of Solid Waste and Daily Cover (Airspace) South Unit Capacity = 115,349,900 Cubic Yards of Solid Waste and Daily Cover (Airspace)

223,316,800 Total Cubic Yards Airspace

Airspace Utilization Factor = 0.8775 Tons Solid Waste per Cubic Yard Airspace

North Unit Capacity = 94,740,955 Tons Solid Waste 101,219,537 Tons Solid Waste

South Unit Capacity =

Annual Increase after year 7 = Operating Days per year =

1.00% 365

| | | | Airspace | Cumulative | | Remaining Life based o |
|------|--------------|---------------|--------------|---------------|----------------|------------------------|
| | | | Consumed per | Airspace | Airspace | current year waste |
| Year | Tons per day | Tons per year | year (CY) | Consumed (CY) | Remaining (CY) | acceptance (Years) |
| 1 | 2,740 | 1,000,000 | 1,139,601 | 1 130 601 | 222 177 100 | 11 |
| 2 | 3,288 | 1,200,000 | | 1,139,601 | 222,177,199 | 19 |
| 3 | | | 1,367,521 | 2,507,123 | 220,809,677 | 10 |
| | 3,836 | 1,400,000 | 1,595,442 | 4,102,564 | 219,214,236 | 13 |
| 4 | 4,384 | 1,600,000 | 1,823,362 | 5,925,926 | 217,390,874 | 1: |
| 5 | 4,932 | 1,800,000 | 2,051,282 | 7,977,208 | 215,339,592 | 10 |
| 6 | 5,479 | 2,000,000 | 2,279,202 | 10,256,410 | 213,060,390 | |
| 7 | 10,000 | 3,650,000 | 4,159,544 | 14,415,954 | 208,900,846 | |
| 8 | 10,100 | 3,686,500 | 4,201,140 | 18,617,094 | 204,699,706 | |
| 9 | 10,201 | 3,723,365 | 4,243,151 | 22,860,245 | 200,456,555 | |
| 10 | 10,303 | 3,760,599 | 4,285,583 | 27,145,828 | 196,170,972 | |
| 11 | 10,406 | 3,798,205 | 4,328,438 | 31,474,266 | 191,842,534 | |
| 12 | 10,510 | 3,836,187 | 4,371,723 | 35,845,989 | 187,470,811 | |
| 13 | 10,615 | 3,874,549 | 4,415,440 | 40,261,429 | 183,055,371 | |
| 14 | 10,721 | 3,913,294 | 4,459,594 | 44,721,023 | 178,595,777 | |
| 15 | 10,829 | 3,952,427 | 4,504,190 | 49,225,213 | 174,091,587 | |
| 16 | 10,937 | 3,991,951 | 4,549,232 | 53,774,445 | 169,542,355 | |
| 17 | 11,046 | 4,031,871 | 4,594,725 | 58,369,170 | 164,947,630 | |
| 18 | 11,157 | 4,072,189 | 4,640,672 | 63,009,842 | 160,306,958 | |
| 19 | 11,268 | 4,112,911 | 4,687,078 | 67,696,920 | 155,619,880 | |
| 20 | 11,381 | 4,154,040 | 4,733,949 | 72,430,869 | 150,885,931 | |
| 21 | 11,495 | 4,195,581 | 4,781,289 | 77,212,158 | 146,104,642 | |
| 22 | 11,610 | 4,237,537 | 4,829,102 | 82,041,260 | 141,275,540 | |
| 23 | 11,726 | 4,279,912 | 4,877,393 | 86,918,652 | 136,398,148 | |
| 24 | 11,843 | 4,322,711 | 4,926,167 | 91,844,819 | 131,471,981 | |
| 25 | 11,961 | 4,365,938 | 4,975,428 | 96,820,247 | 126,496,553 | |
| 26 | 12,081 | 4,409,598 | 5,025,183 | 101,845,430 | 121,471,370 | |
| 27 | 12,202 | 4,453,694 | 5,075,434 | 106,920,864 | 116,395,936 | |
| 28 | 12,324 | 4,498,231 | 5,126,189 | | | |
| 29 | 12,447 | | | 112,047,053 | 111,269,747 | |
| | | 4,543,213 | 5,177,451 | 117,224,503 | 106,092,297 | |
| 30 | 12,572 | 4,588,645 | 5,229,225 | 122,453,728 | 100,863,072 | |
| 31 | 12,697 | 4,634,531 | 5,281,517 | 127,735,246 | 95,581,554 | |
| 32 | 12,824 | 4,680,877 | 5,334,333 | 133,069,578 | 90,247,222 | |
| 33 | 12,953 | 4,727,686 | 5,387,676 | 138,457,254 | 84,859,546 | |
| 34 | 13,082 | 4,774,962 | 5,441,553 | 143,898,807 | 79,417,993 | |
| 35 | 13,213 | 4,822,712 | 5,495,968 | 149,394,775 | 73,922,025 | |
| 36 | 13,345 | 4,870,939 | 5,550,928 | 154,945,703 | 68,371,097 | |
| 37 | 13,478 | 4,919,649 | 5,606,437 | 160,552,140 | 62,764,660 | |
| 38 | 13,613 | 4,968,845 | 5,662,501 | 166,214,641 | 57,102,159 | |
| 39 | 13,749 | 5,018,533 | 5,719,126 | 171,933,768 | 51,383,032 | |
| 40 | 13,887 | 5,068,719 | 5,776,318 | 177,710,085 | 45,606,715 | |
| 41 | 14,026 | 5,119,406 | 5,834,081 | 183,544,166 | 39,772,634 | |
| 42 | 14,166 | 5,170,600 | 5,892,422 | 189,436,588 | 33,880,212 | |
| 43 | 14,308 | 5,222,306 | 5,951,346 | 195,387,934 | 27,928,866 | |
| 44 | 14,451 | 5,274,529 | 6,010,859 | 201,398,793 | 21,918,007 | 3 |
| 45 | 14,595 | 5,327,274 | 6,070,968 | 207,469,761 | 15,847,039 | 2 |
| 46 | 14,741 | 5,380,547 | 6,131,678 | 213,601,439 | 9,715,361 | 1 |
| 47 | 14,889 | 5,434,353 | 6,192,994 | 219,794,433 | 3,522,367 | ď |
| | 15,038 | 5,488,696 | 6,254,924 | 226,049,358 | (2,732,558) | (0 |