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Site Development Plan Narrative

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SITE DEVELOPMENT PLAN NARRATIVE

Pescadito Environmental Resource Center
MSW No. 2374
Webb County, Texas

PESCADITO
ENVIRONMENTAL RESOURCE CENTER

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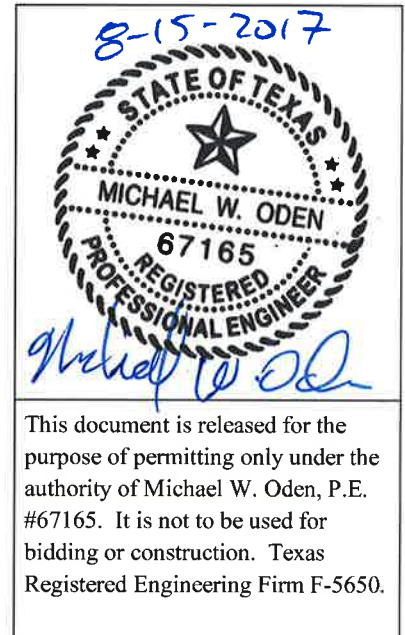



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1.2 Drainage

Portions of the site are currently located within the 100-year floodplain (See Part II, Figure 11). As part of development of the site in preparation of its use as a landfill, a Conditional Letter of Map Revision (CLOMR) has been prepared and approved to remove portions of the site from the 100-year floodplain. The CLOMR was submitted to Webb County and was subsequently approved by FEMA on November 21, 2014. However, until the CLOMR improvements are constructed and approved by FEMA, all solid waste management activities will occur in areas outside of the 100-year floodplain currently mapped by FEMA as depicted on Flood Insurance Rate Map (FIRM) for Webb County, Texas, Map No. 48479C1275C, dated April 2, 2008.

Off-site flow from the north and east will be directed around the facilities. Flows from the landfill and other waste management units will be contained and controlled through a variety of structures so that natural drainages patterns are not adversely altered. Surface water drainage in and around the facility will be further controlled to minimize surface water from running onto, into, or from the area.

There are two large surface water impoundments on the PERC facility and several smaller impoundments which have historically been used for livestock and other agricultural uses. For the most part, surface water flow occurs as overland flow and flow in dry washes whose course is difficult to identify on aerial photos. A few of the dry swales on or near the southern end of the PERC facility do not have defined bed and banks. This fact, along with other considerations, led the U.S. Army Corps of Engineers to declare that the project does not require authorization from the Department of the Army pursuant to Section 404 and/or Section 10. See Part II, Attachment A.

The facility will operate under Texas Pollutant Discharge Elimination System (TPDES) General Permit No. TXR050000. It will also operate in accordance with a Storm Water Pollution

3.0 FACILITY SURFACE WATER DRAINAGE DESIGN

330.63(c)

Design information concerning the facility's surface water drainage is included in Part III, Attachment III-C - Facility Surface Water Drainage Report. Attachment III-C includes a discussion, drawings, and calculations that demonstrate that the facility was designed to meet the requirements of 330.63(c) and Subchapter G of Chapter 330. The surface water drainage design report includes analyses of the existing conditions, post development conditions, and design of the surface water management system. The surface water management system includes final cover drainage facilities, perimeter drainage channels, and detention and sedimentation ponds; and also includes an erosion and sediment control plan for all phases of landfill development. The surface water drainage design report demonstrates that existing drainage patterns will not be adversely altered.