

Redline / Strikeout Version

Part III Text

Part III

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

PESCADITO
ENVIRONMENTAL RESOURCE CENTER

Initial Submittal March 2015
Technically Complete March 11, 2016
Modified October 2017

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

Prepared by:
APTIM Environmental &
Infrastructure, Inc.
(f/k/a CB&I Environmental &and
Infrastructure, Inc.)



APTIM
12005 Ford Rd, Suite 600
Dallas, TX 75234

This document is released for the purpose of permitting only under the authority of Michael W. Oden, P.E. #67165. It is not to be used for bidding or construction. Texas Registered Engineering Firm F-5650

Table of Contents

1.0	Introduction.....	1
2.0	Site Background.....	2
3.0	Part III Attachments.....	4

This document is released for the purpose of permitting only under the authority of Michael W. Oden, P.E. #67165. It is not to be used for bidding or construction. Texas Registered Engineering Firm F-5650

1.0 INTRODUCTION

The applicant, Rancho Viejo Waste Management, LLC (RVWM) is a Texas limited liability company. It will own and operate the proposed municipal solid waste (MSW) landfill and related facilities under the name of the Pescadito Environmental Resource Center (PERC). RVWM submitted Parts I and II of the application in 2011 and a draft land use compatibility determination was declared on October 9, 2013. Prior to a final determination of land use compatibility on Parts I and II, the remaining portions of the application (Parts III and IV) ~~were~~are now being submitted and consolidated with the pending application addressing land use.

Parts I through IV were ruled Technically Complete on March 11, 2016 and a Draft Permit was issued by the Texas Commission of Environmental Quality (TCEQ). Just prior and subsequent to the Public Meeting which was held on August 11, 2016, the TCEQ requested additional information on the Application. Several responses have been made to those requests.

The location of the site is at North 27.56605 degrees latitude and West 99.15989 degrees longitude.

2.0 SITE BACKGROUND

Rancho Viejo Waste Management, LLC (RVWM) owns a 1,110 acre tract of land (site) about 20 miles east of Laredo in Webb County, Texas and will establish a solid waste management facility on approximately 953 acres. The facility, known as the Pescadito Environmental Resource Center (PERC), is in an ideal location due to favorable soil and geologic conditions, isolation from groundwater, absence of neighbors or potentially conflicting land uses, and transportation access. The site is located entirely within the 12,194 acre Yugo Ranch that is owned by Rancho Viejo Cattle Company, Ltd. (parent company of RVWM) and has been family-owned for generations. The site has been used for cattle ranching and oil and gas production for many years. The owners of the Yugo Ranch support the development of PERC. They view the solid waste management facility as the next stage in land use at the site, one that is fully compatible with historic and ongoing extraction of oil and gas, as well as cattle ranching.

PERC will be a comprehensive waste management facility that will provide municipal and industrial solid waste landfill disposal, processing of recyclable materials to extract reusable commodities, solidification of liquid wastes, including grease and grit trap waste and oilfield wastes. The largest part of the site will ultimately be devoted to landfill disposal, potentially occupying up to 660 acres. ~~The north unit is approximately 320 acres and the south unit is approximately 340 acres. However, for this application, waste disposal will be limited to approximately 72 acres in the northeast portion of the North Area of the site.~~

The landfill is designed as a Type I municipal solid waste (MSW) landfill that will accept essentially all categories of MSW, Class 2 and 3 industrial solid waste, and certain types of Class 1 non-hazardous wastes. The landfill is designed for the recirculation of leachate and for recovery of landfill gas for beneficial use.

Other facilities ultimately planned for the site include a material recovery facility (known in the waste industry as a “clean MRF”) to process co-mingled recyclables. The clean MRF will process these recyclable materials to separate them into various commodities for sale. Potentially, a MRF for electronic waste (e-waste) may also be established at the site as well as a compost facility. A “dirty MRF” may also be utilized. A dirty MRF accepts waste material that has not been positively sorted and extracts the recyclable components from the waste stream. These features will be added as demand is determined to exist and economics warrant. Authorizations, if needed, will be obtained prior to implementation of any of these other facilities.

3.0 PART III ATTACHMENTS

In accordance with 30 TAC §330.63 (Contents of Part III of the Application), the following attachments are included. Each of the attachments contains specific information regarding the selection and design of the facility. Some attachments are broken down further in to sub-attachments, or appendices to discuss the various facility components.

Attachment III-A	Site Development Plan Narrative
Attachment III-B	General Facility Design
Attachment III-C	Facility Surface Water Protection
Attachment III-D	Waste Management Unit Design
Attachment III-E	Geology Report
Attachment III-F	Groundwater Monitoring Plan
Attachment III-G	Landfill Gas Management Plan
Attachment III-H	Closure Plan
Attachment III-I	Post-Closure Care Plan
Attachment III-J	Cost Estimates-Closure and Post-Closure Care