

**Part III
Attachment III-B**

GENERAL FACILITY DESIGN

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



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**Prepared for:
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Table of Contents

1.0	FACILITY ACCESS	1
2.0	WASTE MOVEMENT.....	3
2.1	Waste Disposal.....	4
2.2	Class 1 Industrial Waste.....	6
2.3	Liquid Solidification	7
2.4	RACM.....	7
2.5	Large Item and Tire Storage Areas	7
2.6	Reusable Materials Staging Area.....	8
2.7	Citizen's Convenience Center	9
2.8	Leachate Storage Facility.....	9
3.0	SANITATION	10
3.1	Large Item and Tire Storage Areas	10
3.2	Reusable Materials Staging Area.....	10
3.3	Citizen's Convenience Center.....	10
3.4	Leachate Storage Facility.....	11
3.5	Liquid Solidification	11
3.6	General Information.....	11
4.0	ENDANGERED SPECIES PROTECTION.....	13
1.0	FACILITY ACCESS	1
2.0	WASTE MOVEMENT.....	3
2.1	Waste Disposal.....	4
2.2	Class 1 Industrial Waste.....	6
2.3	Liquid Solidification	7
2.4	RACM.....	7
2.5	Large Item and Tire Storage Areas	7
2.6	Reusable Materials Staging Area.....	8
2.7	Citizen's Convenience Center	9
2.8	Leachate Storage Facility.....	9
3.0	SANITATION	10
3.1	Large Item and Tire Storage Areas	10
3.2	Reusable Materials Staging Area.....	10
3.3	Citizen's Convenience Center.....	10
3.4	Leachate Storage Facility.....	11
3.5	Liquid Solidification	11
3.6	General Information.....	11
4.0	ENDANGERED SPECIES PROTECTION.....	13

Appendix III-B.1 Figures

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Vegetative layer	7 – inches of soil capable of sustaining vegetation
<u>Soil Infiltration layer</u>	30 – inches of soil per the requirements of Appendix III-D.8
<u>Geosynthetic Drainage Layer</u> ²	<u>Double Sided geocomposite</u>
<u>Flexible Membrane Liner</u> ²	<u>40-mil Linear Low Density Polyethylene</u>
Intermediate cover	12-inches of on-site soils
² <u>all cells are designated to receive Class 1 wastes and will have the components listed above. PERC reserves the right to modify the permit in the future to designate cells that will not receive Class 1 non-hazardous industrial waste. Upon approval the geosynthetic drainage layer and flexible membrane liner will not be required.</u>	

Final cover placement will generally follow the sequence of development of the landfill cells as shown on the Figures in Appendix III-B.1 and will be ongoing as areas of the site are filled to capacity. Cells will be closed according to the closure plan provided in Part III, Attachment III-H - Closure Plan.

2.2 Class 1 Industrial Waste

Class 1 industrial waste, both liquid and solid, may be accepted at the facility. Class 1 wastes are defined at 30 TAC 330.3(21) as “***Class 1 wastes***--*Any industrial solid waste or mixture of industrial solid wastes that because of its concentration, or physical or chemical characteristics is toxic, corrosive, flammable, a strong sensitizer or irritant, a generator of sudden pressure by decomposition, heat, or other means, or may pose a substantial present or potential danger to human health or the environment when improperly processed, stored, transported, or disposed of or otherwise managed, as further defined in §335.505 of this title (relating to Class 1 Waste Determination)*”.

Class 1 waste will be identified at the scale house and directed to either to the liquid solidification area or the appropriate class 1 waste disposal cell. Once solidified, class 1 liquid waste will be transported and disposed in a class I disposal cell.

The amount of class 1 industrial waste received will be limited to 20% of the incoming wastes, not including the class 1 amount, received in the previous or current year.

Class 1 waste disposal cells will have a composite liner including three feet of compacted clay with a maximum hydraulic conductivity of 1×10^{-7} cm/ sec. All cells are designated as potential class 1 cells. Class 1 waste disposal will be limited to an elevation below the perimeter berm.

Other wastes, such as MSW, special waste, RACM, class 2 and 3 industrial waste may be