



Environmental Services

Item 2. Solid Waste Landfill Options

October 29, 2013



Overview

ESD Mission

Provide code enforcement, environmental health and integrated solid waste management services to the greater El Paso community so they can enjoy a healthy, clean, safe and beautiful environment.

MFR Strategic Result #4

By 2016, ESD will develop and implement an **integrated solid waste management plan** for the Greater El Paso area that provides for long term capacity to manage the region's solid waste in a cost effective, environmentally sound and sustainable manner, as evidenced by:

- Completion of Integrated Solid Waste Management Plan by 2016
- Achieve waste diversion rate of 25% by 2016
- Reduction of greenhouse gas emissions through landfill gas recovery by 2016
- Competitive commercial services available to governmental entities and commercial establishments by 2016



City Landfills

Greater El Paso Landfill – Permit #2284

- 217 acres
- Estimated life – 23 years

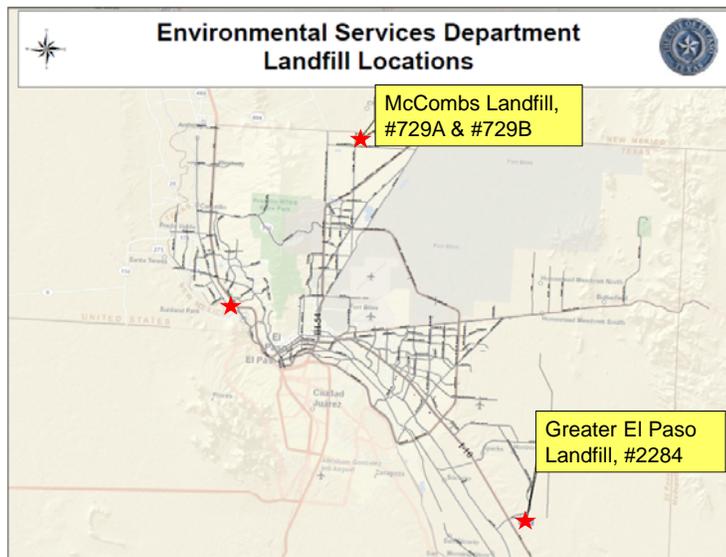
McCombs Landfill – Permit #729A

- 279 acres
- Estimated life – 12 years

McCombs Landfill Vertical Expansion – Permit #729B

- 279 acres
- Estimated life – 25 years
- TCEQ approval expected Spring 2014

Total – 60 years life





Top 2 Landfill Options for Future

McCombs: Eastern Expansion on New Property

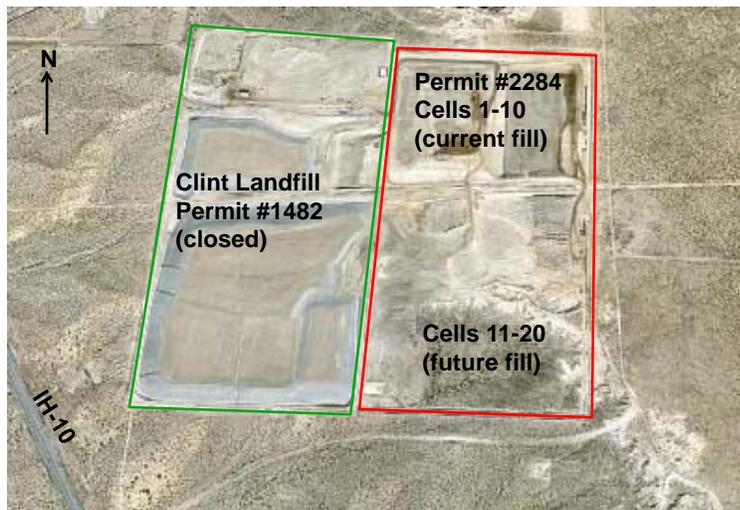
- Expansion on 200 acres
- Additional 46 years of life
- Land acquisition required
- Obtain permit amendment from TCEQ

GEP: Horizontal Expansion on New Property

- Expansion on 1,200 acres
- Additional 79 years of life
- Land purchase required
- Obtain new permit from TCEQ

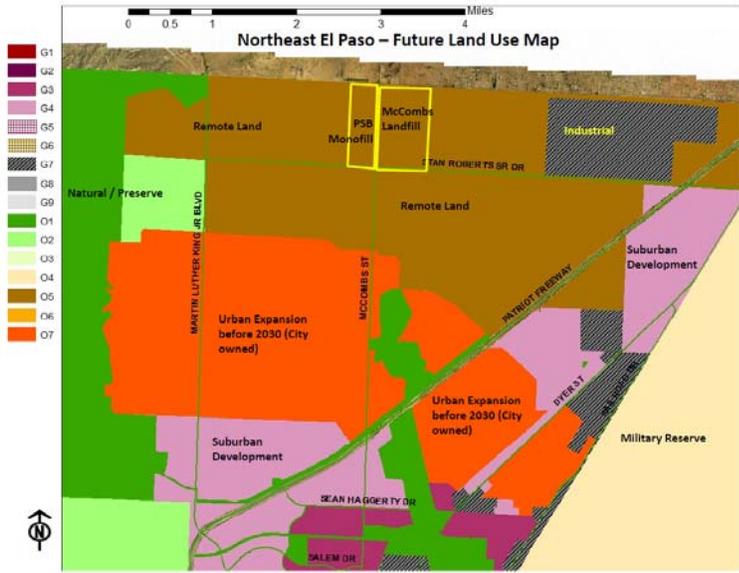


Greater El Paso Landfill





McCombs Landfill





McCombs (land acquisition)

- Expansion on adjacent 200 acres
 - Acquire property from PSB – land cost negotiable
- Adds 21 years to estimated life (total of 58 years)
- Obtain permit amendment from TCEQ
 - Will take 2 to 3 years to obtain permit and cost about \$1 million



McCombs (land acquisition)



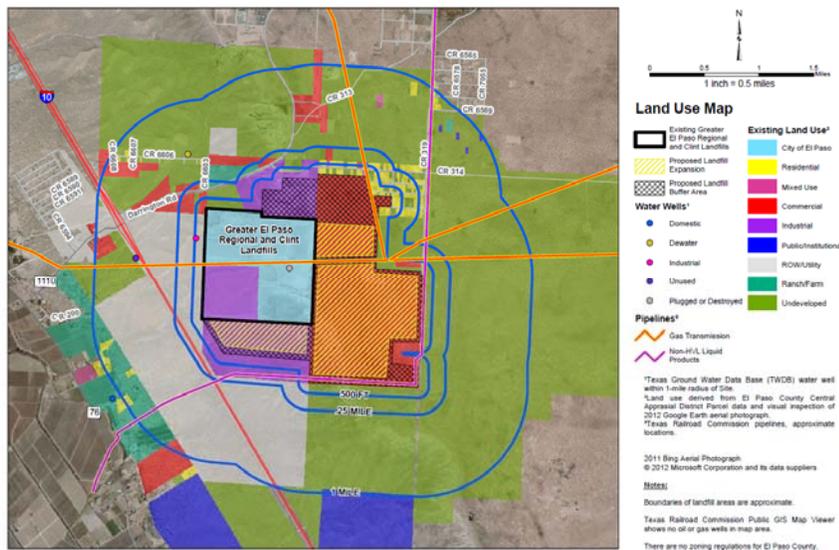


GEP Landfill (land purchase)

- Expansion on 1,220 acres
- Pending real estate acquisition
 - Financing required for real estate acquisition
- Adds 80 years to estimated life (total of 103 years)
- Obtain new permit from TCEQ
 - Permitting cost of \$2 million to \$2.5 million
 - Landfill development costs of \$200,000 per acre



GEP Landfill – Land use





Recommendations

Acquire 200 acres adjacent to McCombs

•Advantages

- Potential swap of land with PSB
- Relatively low cost of land relative to overall operational costs
- Long term solid waste capacity to accommodate future growth
- Helps reduce illegal dumping
- Provides buffer from neighboring properties within City of El Pas
- Obtain permit amendment for new land acquired

•Obstacles

- Land purchases / permit applications frequently encounter public opposition from adjacent residents
- Agreement with PSB required to obtain property



Recommendations

Purchase the 1,200 acres adjacent to GEP Landfill

•Advantages

- Relatively low cost of land relative to overall development and operational costs
- Long term solid waste capacity to accommodate future growth
- Provides buffer from neighboring properties

•Obstacles

- Land purchases / permit applications frequently encounter public opposition from adjacent residents
- Financing required to purchase property



Questions?