

Performance Based Decision System for Determining Post Closure Care (PCC) Period in Florida Landfills



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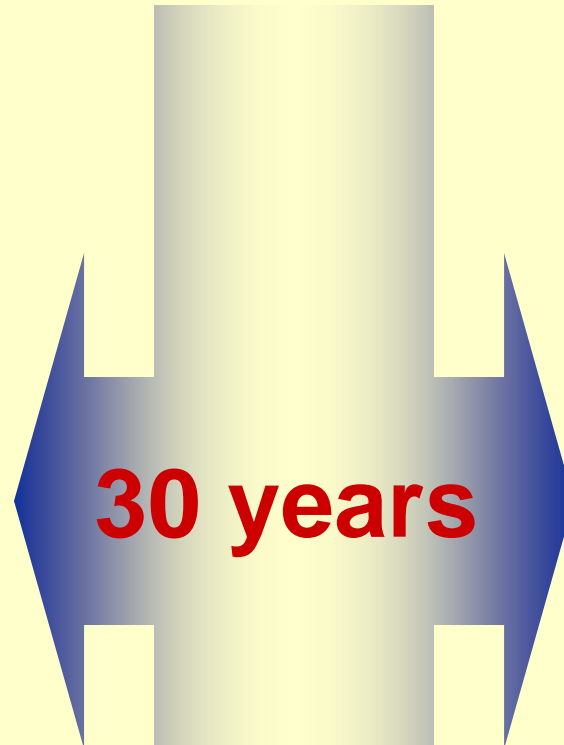
WILLIAM W. "BILL" HINKLEY CENTER
FOR SOLID AND HAZARDOUS WASTE MANAGEMENT



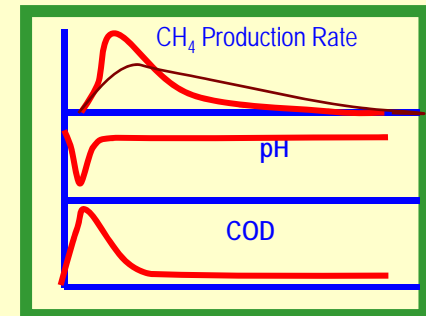
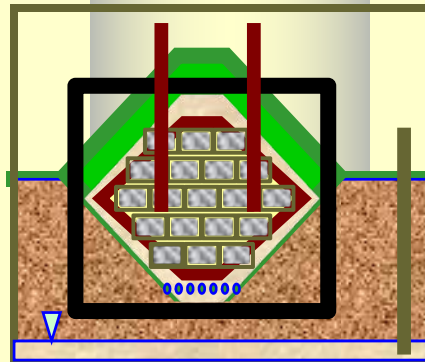
Acknowledgements

- Hinkley Center for Solid and Hazardous Waste Management
- Broward County Department of Solid Waste Management
- Dade County Department of Solid Waste Management
- Dade County, Department of Environmental Resources Management
- Alachua County Department of Solid Waste Management
- Florida Department of Environmental Protection
- Landfill operators and personnel
- GeoSynthec

Subtitle D of the Resource Conservation and Recovery Act (RCRA) requires a post closure period of 30 years for non-hazardous wastes in landfills.

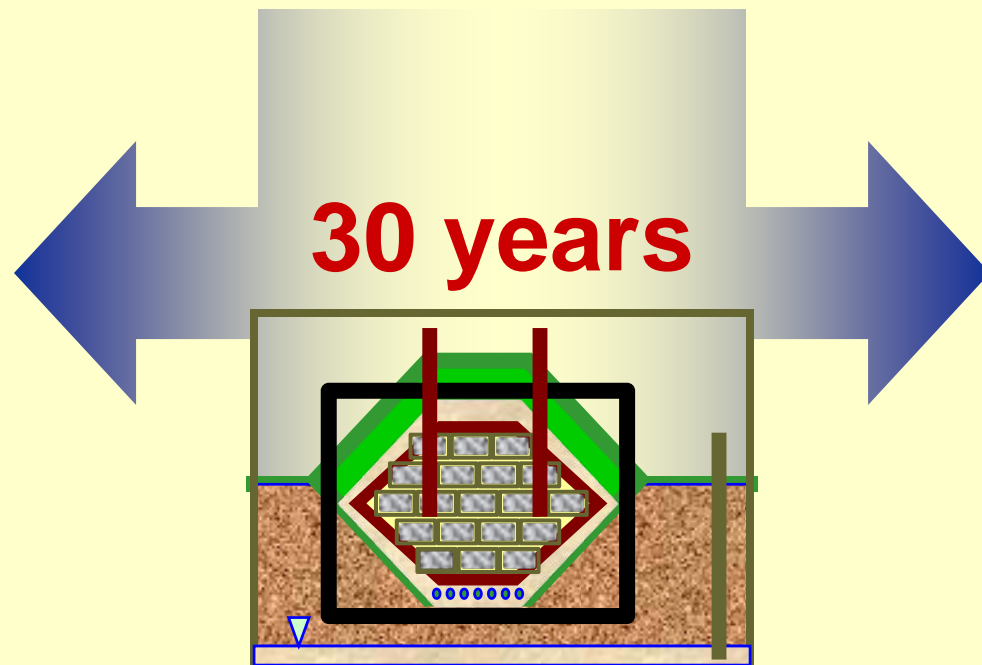


The length of the post-closure care period can be extended or shortened by the governing regulatory agency on a site-specific basis.



General Objective

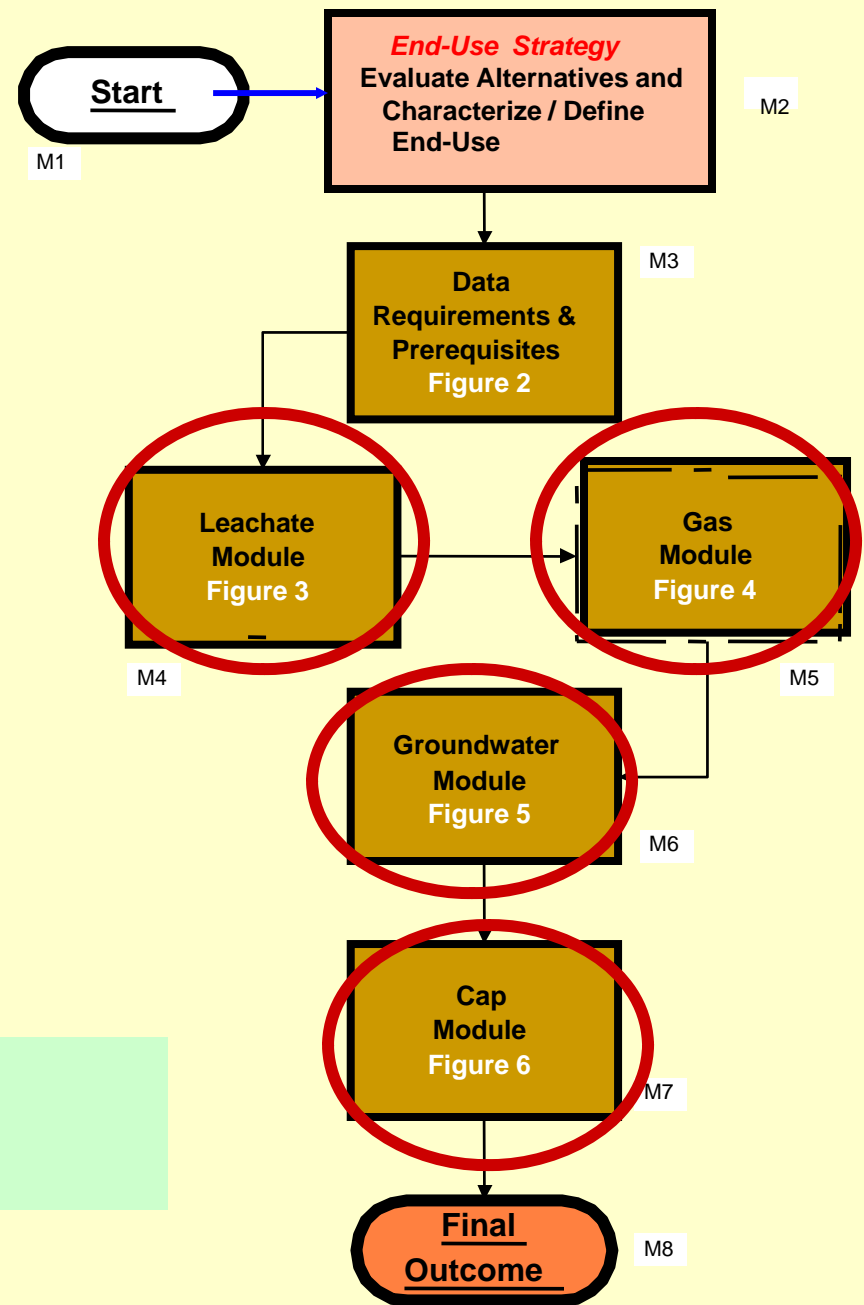
- To develop a performance based methodology that can be used as a decision making tool to reduce the post closure care (PCC) period of Florida landfills.



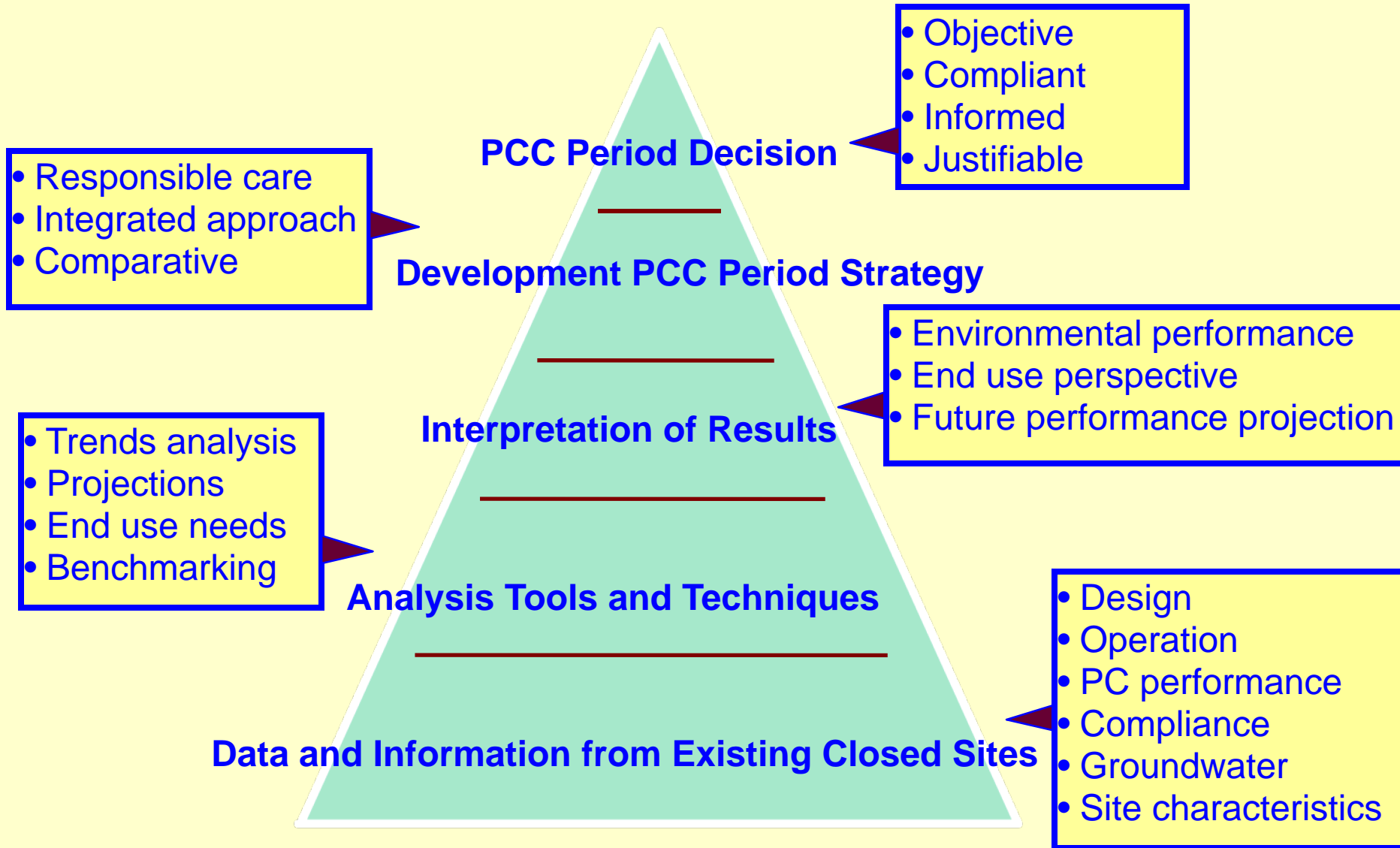
Existing Framework

GeoSyntec's
'Performance-Based
System for Post-
Closure Care at
MSW Landfills

Geosyntec's PCC
framework

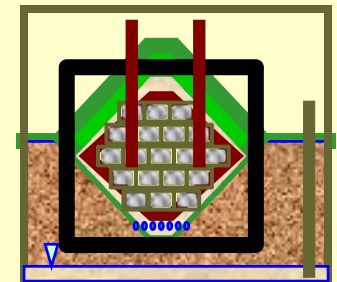
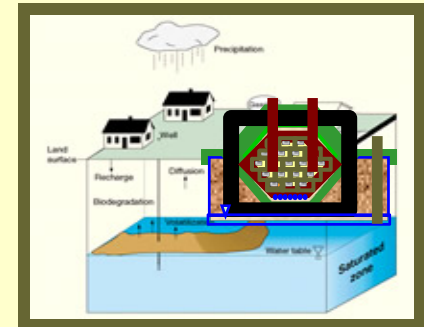
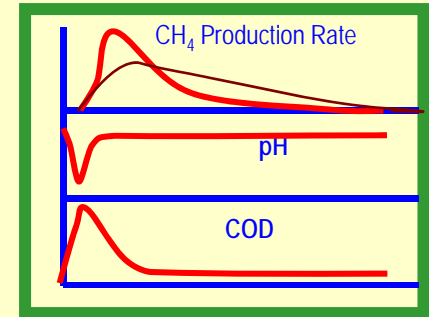


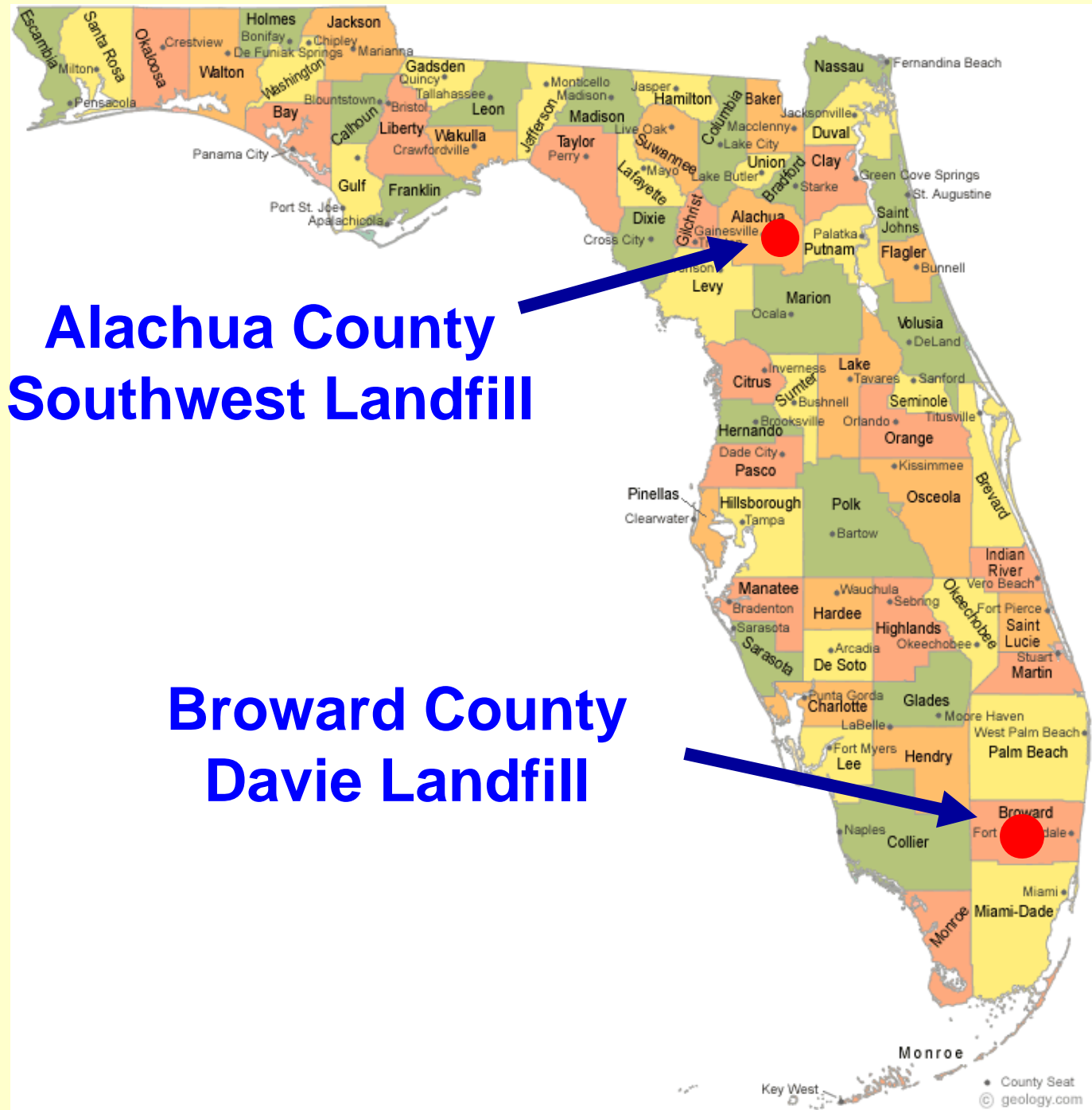
PCC Period Decision Approach



Objectives

1. Evaluate post closure performance data from closed Florida landfills;
2. Analyze potential threats to human health and the environment based on end use of landfills;
3. Develop a PCC guidance document suitable for Florida landfill owners and operators.







**Alachua County
Southwest Landfill**

**Broward County
Davie Landfill**

Case study landfills

Case Study Landfills	Current Use and Characteristics	Site Photo
Davie Landfill (Vista View Park) (Evaluated by FIU)	Public park Residential neighborhood with some commercial use 209 acres (48-acre class I and 68-acre class III)	
Alachua County Southwest Landfill (Evaluated by UCF)	Closed landfill with a LFG to energy plant Proposed end use is grassland 30 acres of class I landfill 6.3 million gallons of leachate have been recirculated through 2006	

Presentations

1. Davie Landfill Presentation
by Banu Sizerici Yildiz
2. Alachua Landfill Presentation
by Asawari Kulkarni
3. Parametric Assessment Presentation
by Vivek Kumar

Thank you.

