

GANDY MARLEY INC.

TRIASSIC PARK PUBLIC INFORMATICS MEETING

July 16, 2001
DATE

Santa Fe
PLACE

"PLEASE PRINT"

ATTENDANCE SHEET

"PLEASE PRINT"

NAME

ADDRESS

PHONE #

RED TPOF 101

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Amy Williams	107 Cienea SF, NM 87501	986-1973

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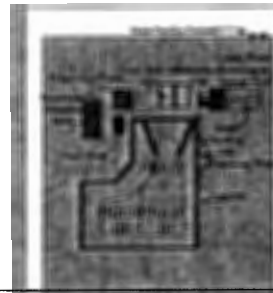
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Joni Arends	107 Cienega SF WM 87501	986-1973
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TRIASSIC PARK WASTE DISPOSAL FACILITY Public Information Presentation

July 16, 2001
Santa Fe, New Mexico

Meeting Objective



*To Introduce the
Triassic Park Facility
Project and Solicit
Comments on the
Proposed Project*

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Introduction of Individuals Involved in Developing Facility Permit Application

- Dale Gandy - GMI
- Ken Schultz - GMI
- Patrick Corser - GMI Design Team
- Jim Bonner - GMI Design Team

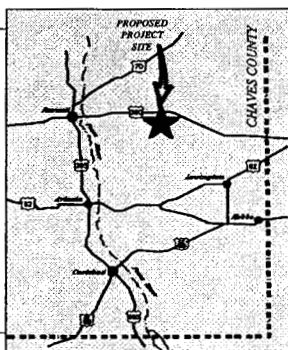
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Presentation Outline

- Introduction
- **Project Overview**
- Site Conditions
- Facility Operations
- Containment and Environmental Protection
- Summary

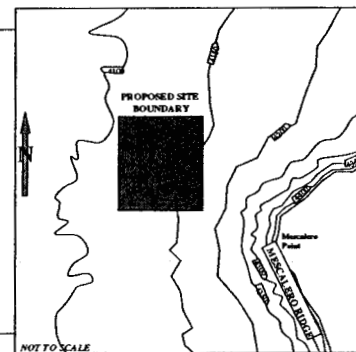
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Location Map - Site Vicinity



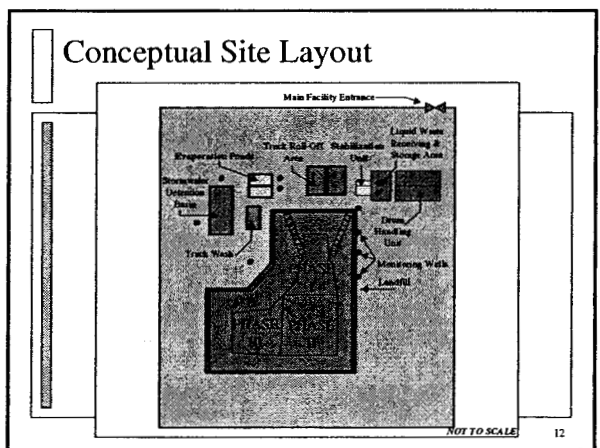
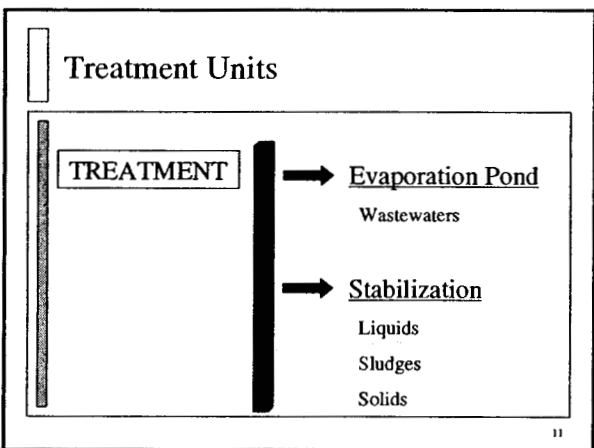
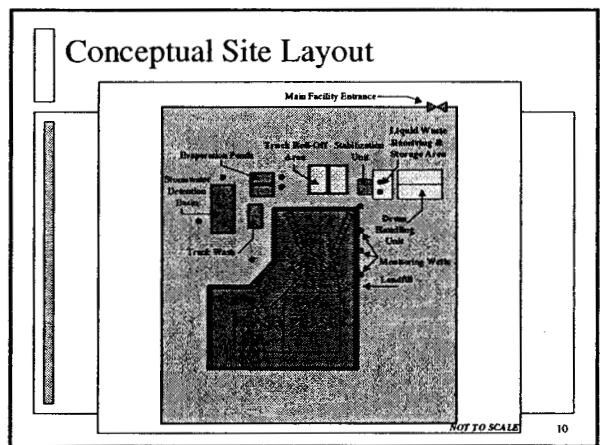
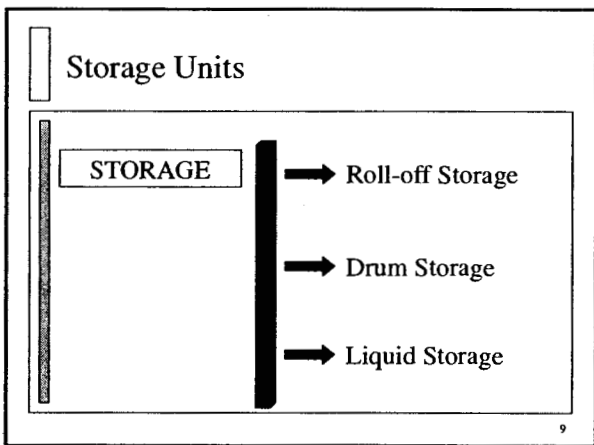
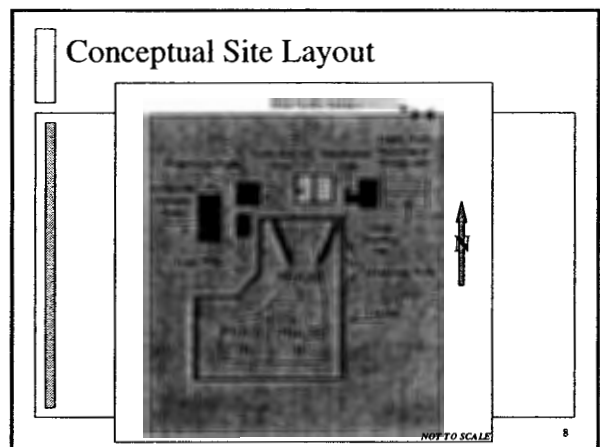
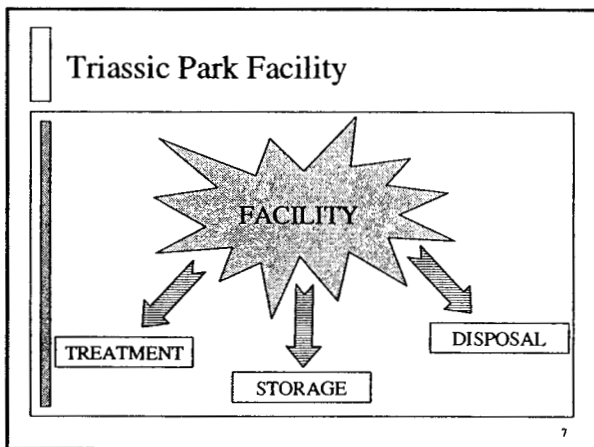
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Site Vicinity Topography



NOT TO SCALE

6



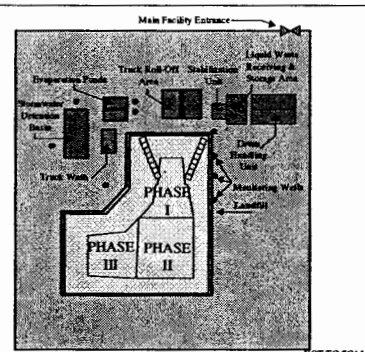
Treatment Units

DISPOSAL

→ Landfill

13

Conceptual Site Layout



NOT TO SCALE

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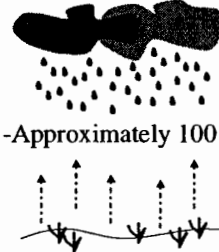
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Environmental Baseline Conditions

- Rainfall - 10 to 13 inches per year
- Evaporation - Approximately 100 inches per year



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Environmental Baseline Conditions

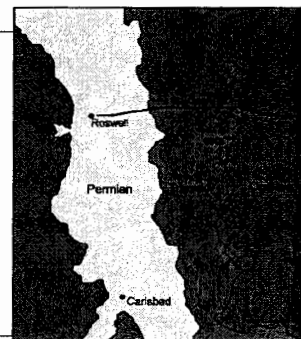
- Wind direction - Predominately from the SW
- Temperatures - Above 100°F during day (summer) and below freezing at night (winter). Average = 62°F
- No flood plains near site boundary



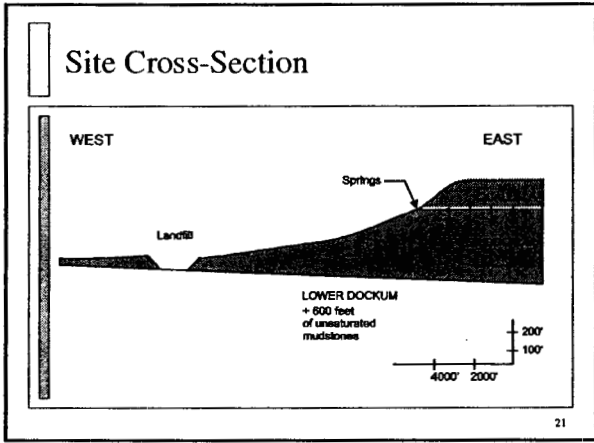
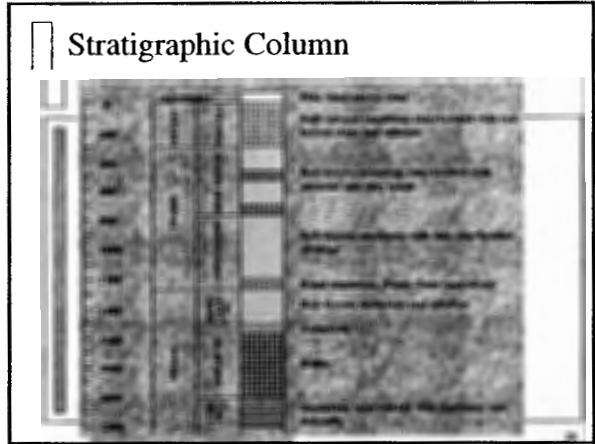
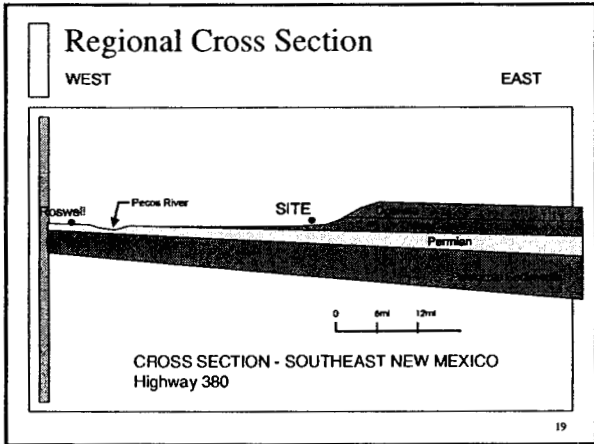
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Regional Surface Geology

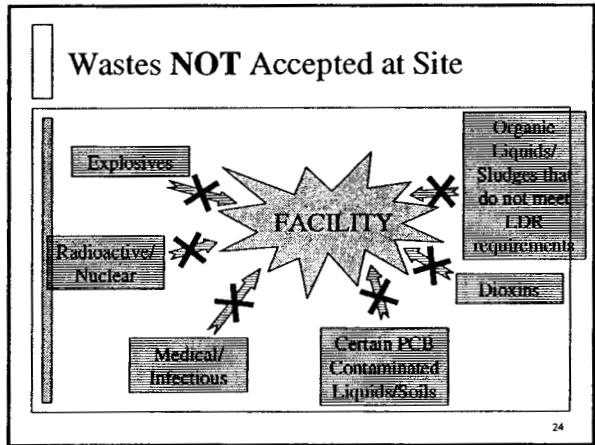
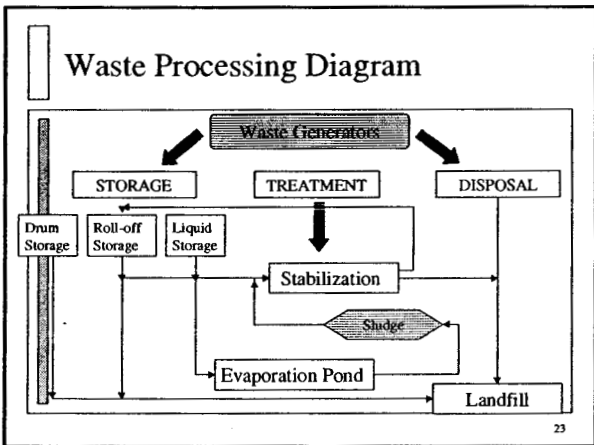
GENERALIZED SURFACE GEOLOGY SOUTHEAST NEW MEXICO



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- ### Presentation Outline
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Waste Sources

- Market strategy
 - Handle waste safely
 - Treat and dispose of wastes generated in New Mexico
 - Consider handling out-of-state wastes

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Waste Facility Acceptance

- Objectives:
 - Ensure that waste meets permit requirements through multi-step process
 - Ensure that waste can be handled safely
 - Ensure that waste arriving at the site is the same as the waste that was characterized.



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Waste Facility Acceptance

- Procedures:
 - Initial waste characterization by generator
 - Waste receiving:
 - Confirm schedule for waste arrival
 - Inspect shipping papers and manifest
 - Confirm Land Disposal Restrictions (LDR) are met
 - Inspect shipping containers
 - Waste sampling and testing to confirm characterization



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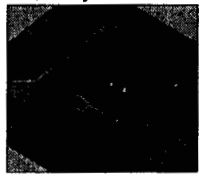
TSD Capacities



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Permitted Capacity

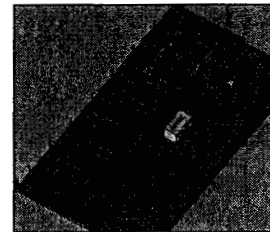
- Landfill
 - Phase IA = 553,000 cy capacity
 - Maximum estimated filling rate of 20,000 cy/month
 - Typical filling rate of 5,000 to 10,000 cy/month
 - Phase IA filling time = 2 to 6 years
 - Maximum of 3 to 5 trucks entering site per hour
 - Average of 1 to 2 trucks entering site per hour



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Permitted Capacity

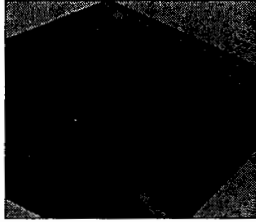
- Drum Handling Unit - 1120 drums



30

Permitted Capacity

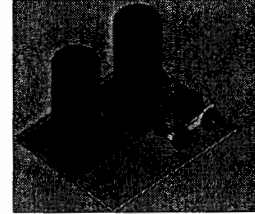
- Roll-off Unit - 132 rolloff units



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Permitted Capacity

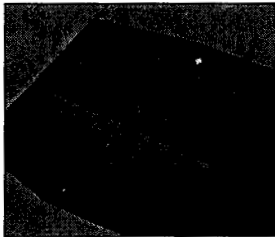
- Liquid Storage - 36,000 gallons in 4 tanks



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Permitted Capacity

- Evaporation ponds - 5.2 million gallons



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Permitted Capacity

- Stabilization
 - Total of 4 bins
 - 2,500 cf capacity in each bin = 10,000 cf total
 - Maximum processing rate of 15 batches per day



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Facility Staffing

- Full production - 30 to 35 employees
 - Administration
 - Security
 - Receiving
 - Laboratory
 - Environmental
 - Facility operations
 - Maintenance



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Water Requirements

- Wash water
 - Truck Wash
 - Drum Handling Unit
 - Stabilization Unit
 - Liquid Storage Unit
- Dust control
- Fire control
- Water storage tank or pond will be required at site
- Water will be purchased and piped or hauled to site



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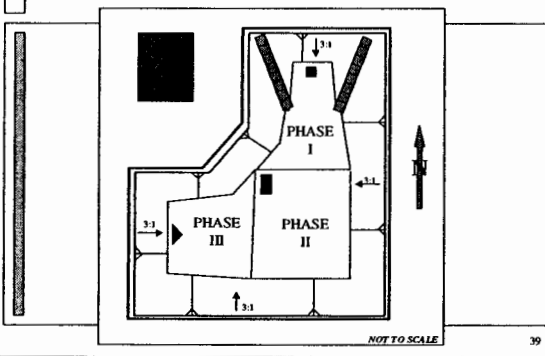
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Waste Containment and Environmental Protection Measures

- All facilities meet or exceed EPA's minimum technology guidance (MTG).
- All facilities include double liner system.
- All facilities include leachate collection and a leak detection system.
- The landfill and evaporation pond include a vadose zone monitoring system.
- The site includes a perched groundwater monitoring system.

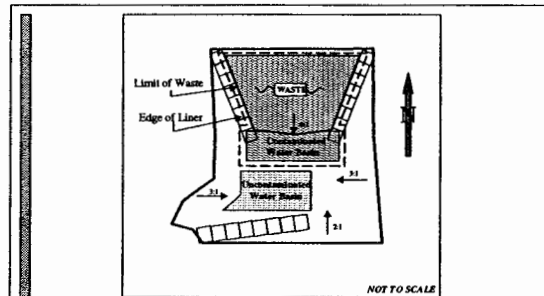
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Conceptual Landfill Excavation Plan



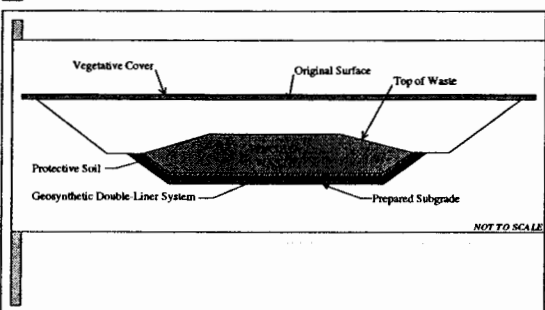
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Conceptual Filling Plan - Phase IA



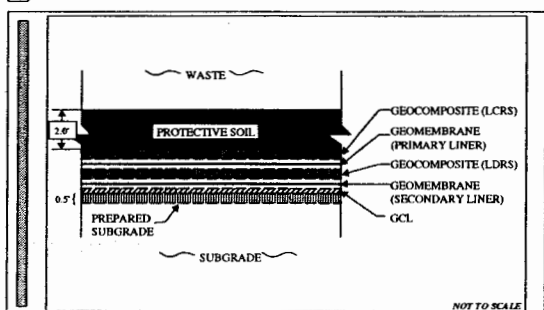
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Conceptual Landfill Cross-Section

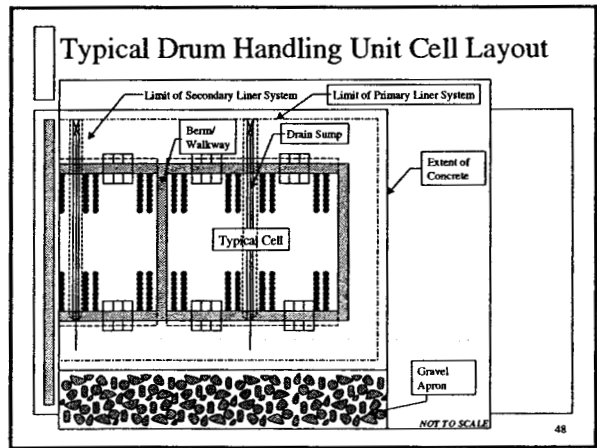
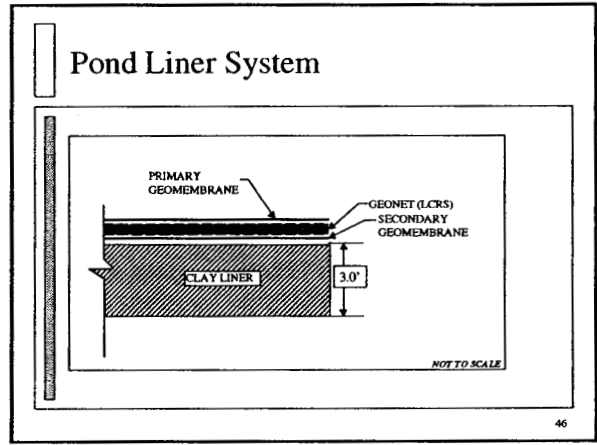
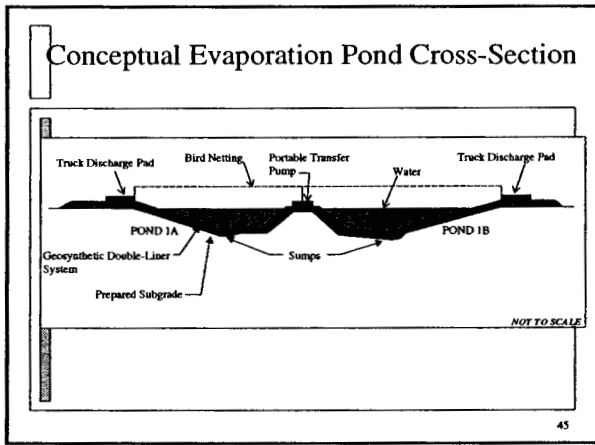
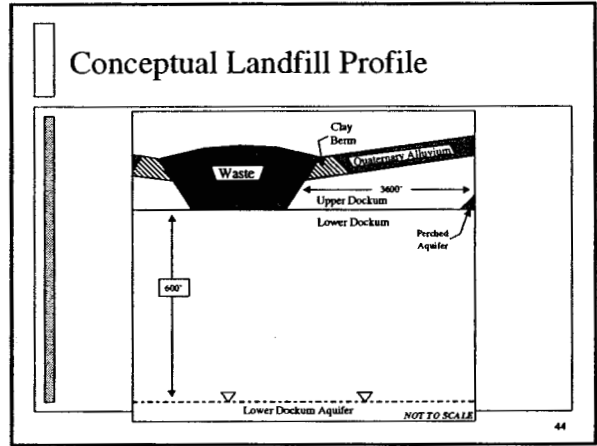
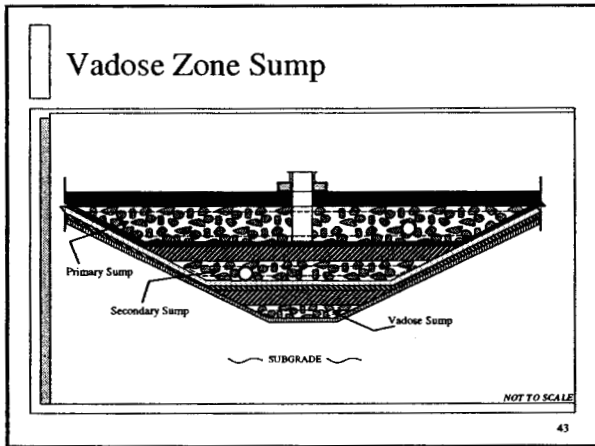


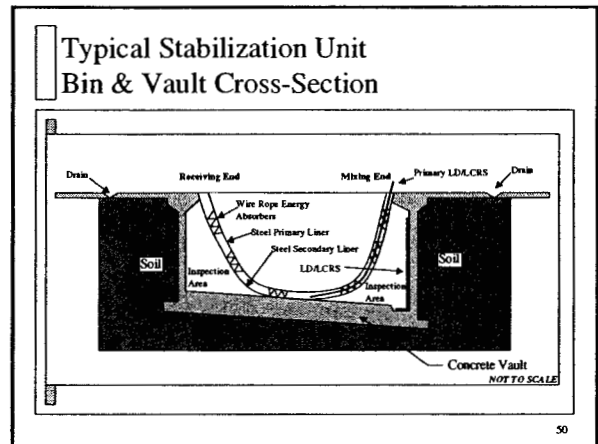
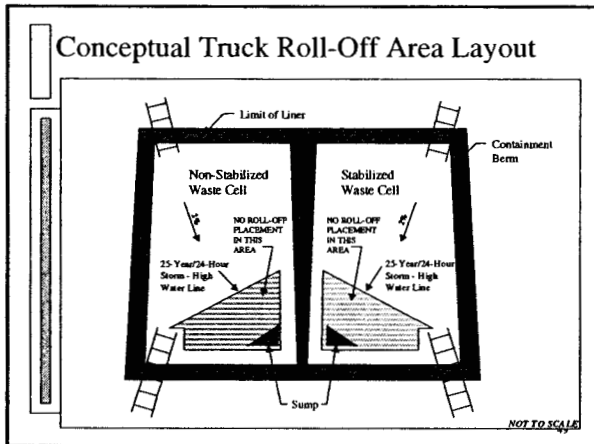
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Landfill Liner System

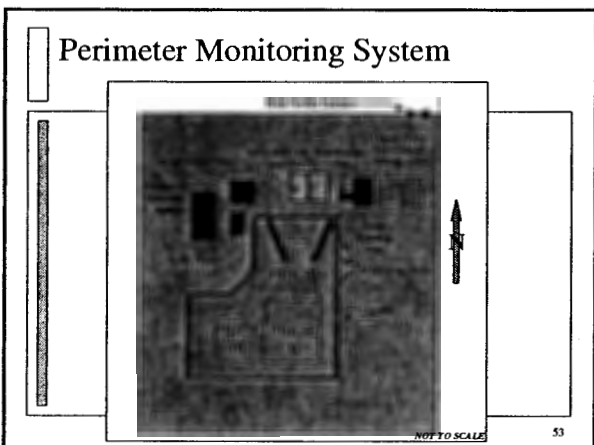
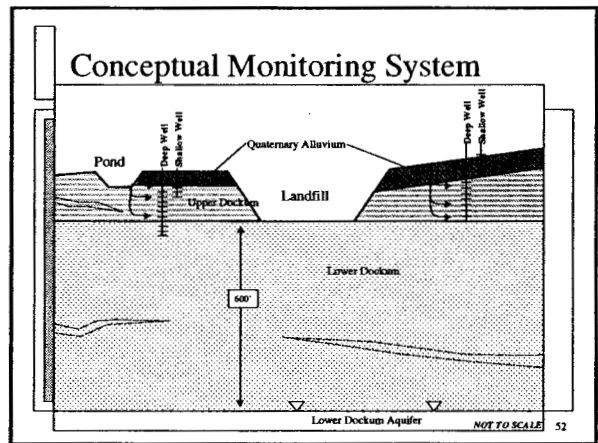


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- ### Groundwater Monitoring Systems
- Monitoring directly beneath each sump area with vadose zone sumps
 - Monitoring contact between Upper and Lower Dockum
 - Monitoring in Alluvium
- 51



Monitoring and Inspection

- Landfill and Evaporation Pond Monitoring Frequency:

Time Period	Sumps	Vadose Wells
Operation	Daily	Monthly
Closure	Daily	Monthly
Post-Closure	Semi-annually	Semi-annually

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Monitoring and Inspection

■ Daily/Weekly/Monthly Schedules for General Operational Compliance

- General Facility
- Landfill
- Evaporation Pond
- Containers
- Tanks
- Stabilization Unit



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Summary

- The facility will consist of treatment, storage and disposal units.
- The facility has been located in a very favorable geologic, hydrologic and climatic setting.

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Summary

- The individual units at the site have incorporated engineering containment systems that meet or exceed all regulatory requirements and will be protective of human health and the environment.
- Performance monitoring systems and procedures are incorporated into the facility design to confirm regulatory compliance.

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