ATTACHMENT I

PowerPoint Presentation on
Revisions to Chapter 4 of the Countywide Siting Element

Countywide Siting Element Chapter 4 Revisions

May 17, 2007

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FOCUS OF PRESENTATION

- Major Assumptions
- Major Revisions
- Methodology for Projections/Analysis
- Next Step

MAJOR ASSUMPTIONS

- Purpose of Chapter
  - To quantify current disposal rate in LA County, and
  - Address the disposal capacity needs of the 88 cities and unincorporated County areas for the 15-year planning period

MAJOR ASSUMPTIONS (Cont'd)

- 15-year planning period for revised CSE
  - Anticipated as 2009 - 2024
- Basis of Chapter 4 revision
  - 2005 Annual Report
    - Planning period: 2005 – 2020
- Base year for projections: 2005
- Source of base year data
  - DRS, SWIMS, 2006 Facility Survey

MAJOR ASSUMPTIONS (Cont'd)

- Disposal need analysis period
  - 2005 – 2025
- 1990 disposal quantities and capacity discussion
  - Required per CCR Section 18755.3
- Existing landfill capacity
  - Fully permitted capacities
    - Full SWFP permit
    - CUP/LUP, WDR, AQMD

MAJOR ASSUMPTIONS (Cont'd)

- **Proposed landfill expansion**
  - **Expansions not yet fully permitted**
- Year of expansion capacity
  - Permitted expansion
    - existing
  - Proposed expansion:
    - Assumed based on available information

MAJOR ASSUMPTIONS (Cont'd)

- Termination of landfill capacity: (First in time)
  - Exhaustion of permitted capacity
  - Completion of approved fill design
  - Expiration of permit
    - CUP/LUP
    - SWFP, WDR, AQMD
  - Closure date
- Landfill Operation
  - In-place density: 1,200 lb/cy
  - Average days of operation:
    - 6-days per week
    - 312 days per year

MAJOR ASSUMPTIONS (Cont'd)

- Inert waste landfills
  - Formerly unclassified landfills
  - Capacity of inert waste landfills with full SWFP are included in the analysis
    - Azusa Land Reclamation Landfill
    - Peck Road Gravel Pit
- Brand Park Landfill
  - Permitted as class III landfill
  - Only accept inert waste
  - Included as inert waste landfill
- Inert Debris Engineered Fill Operations
  - Capacity not included in the analysis

MAJOR ASSUMPTIONS (Cont'd)

- Out-of-County waste exports
  - Status quo: current rate of 7,500 tpd
- In-County waste imports
  - Status quo: current rate of 800 tpd
  - 1990 – 1995: imports included in disposal rate
  - 1996 – 2025: exports excluded in disposal rate

MAJOR ASSUMPTIONS (Cont'd)

- Diversion rate
  - Status quo: 50%
  - Increased rate: 60% in 2020
- Conversion technology capacity
  - 1,500 tpd in 2014
  - 3,000 tpd in 2018 and above

MAJOR ASSUMPTIONS (Cont'd)

- Waste Generation/Projection Methodology
  - CIWMB Adjustment Methodology
- Waste Generation/Projection Factors
  - UCLA, Long Term Forecast of LA County, June 2006
    - Countywide population, employment and taxable sales
    - Taxable sales data considers the real dollar value

MAJOR REVISIONS

- Eliminate sections, tables, and scenarios with new in-County Class III landfills
- Eliminate sections, tables, and scenarios with Alternative Daily Cover
- Eliminate “summary of scenario” tables to avoid redundancies
  - Tables 4-6, 4-8, 4-12, and 4-14

MAJOR REVISIONS (Cont'd)

- Added new tables
  - Table 4-5: 2005 solid waste generation
  - Table 4-6: Solid waste generation projections
  - Table 4-8: Summary of disposal capacity need analysis scenarios

MAJOR REVISIONS (Cont'd)

- Added new disposal capacity need analysis scenarios
  - Scenario 1: existing landfills only (worst case)
  - Scenario 2: proposed expansions plus exports
  - Scenario 5: increased diversion rate
  - Scenario 6: conversion technology capacity

METHODOLOGY

- Determine 2005 solid waste generation rate
  - See Table 4-5
  - Use actual 2005 in-County disposal data
  - Assume 50% diversion rate
  - Exclude imports
- Determine solid waste generation/projection factors
  - See Table 4-6
  - See Figure 4-1
  - UCLA Long Term Forecast for LA County, June 06

METHODOLOGY (Cont'd)

- Determine annual solid waste generation projections
  - See Table 4-6
  - Based on the computed 2005 solid waste generation rate

METHODOLOGY (Cont'd)

- Determine solid waste disposal capacity requirement
  - See Table 4-7
  - Assume 50% diversion rate
  - Subtract transformation facility capacity
  - Calculate class III landfill disposal capacity requirements (in tons/year)
  - Assume 1,200 lb/cy in-place density
  - Calculate class III landfill disposal capacity requirements (in cy/year)

METHODOLOGY (Cont'd)

- Determine disposal need analysis scenarios (See Table 4-8)
  - 1 -- existing disposal capacity only
  - 2 – existing capacity plus current exports
  - 3 – existing and expanded capacity only
  - 4 – existing and expanded capacity and exports
  - 5 – plus increased diversion rate
  - 6 – plus conversion technologies

METHODOLOGY (Cont'd)

- Determine class III landfill daily disposal capacity shortfall
  - Determine daily waste generation rate
    - based on 312 days/year of operation
  - Determine in-County class III landfills daily disposal need
    - Obtain daily disposal rate
    - Apply 50% (or increased) diversion rate
    - Add import rate
    - Subtract export rate
    - Subtract transformation facilities disposal rate

METHODOLOGY (Cont'd)

- Determine class III landfill daily disposal capacity shortfall (Cont'd)
  - Determine in-County class III landfills daily disposal capacity short fall
    - Subtract permitted daily disposal rate
      - for existing in-County class III landfills with remaining disposal capacity
    - Calculate class III landfill disposal shortfall

NEXT STEPS

- Incorporate Subcommittee comments
- Update Figures and Tables based on the approved 2005 Annual Report
- Submit draft Chapter 4 to Subcommittee
- Final update of revised Chapter 4 will be based on the last Annual Report before completion of CSE revision and approval process

QUESTIONS AND COMMENTS