



**County of Orange**  
**Integrated Waste Management Department**

**LOAD CHECK PROGRAM**

Presented for the CIWMB LEA Training Program  
by  
Tim Grogan, Hazardous Waste Program Manager  
and  
Gary Blevins, Materials Regulation Specialist

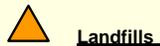
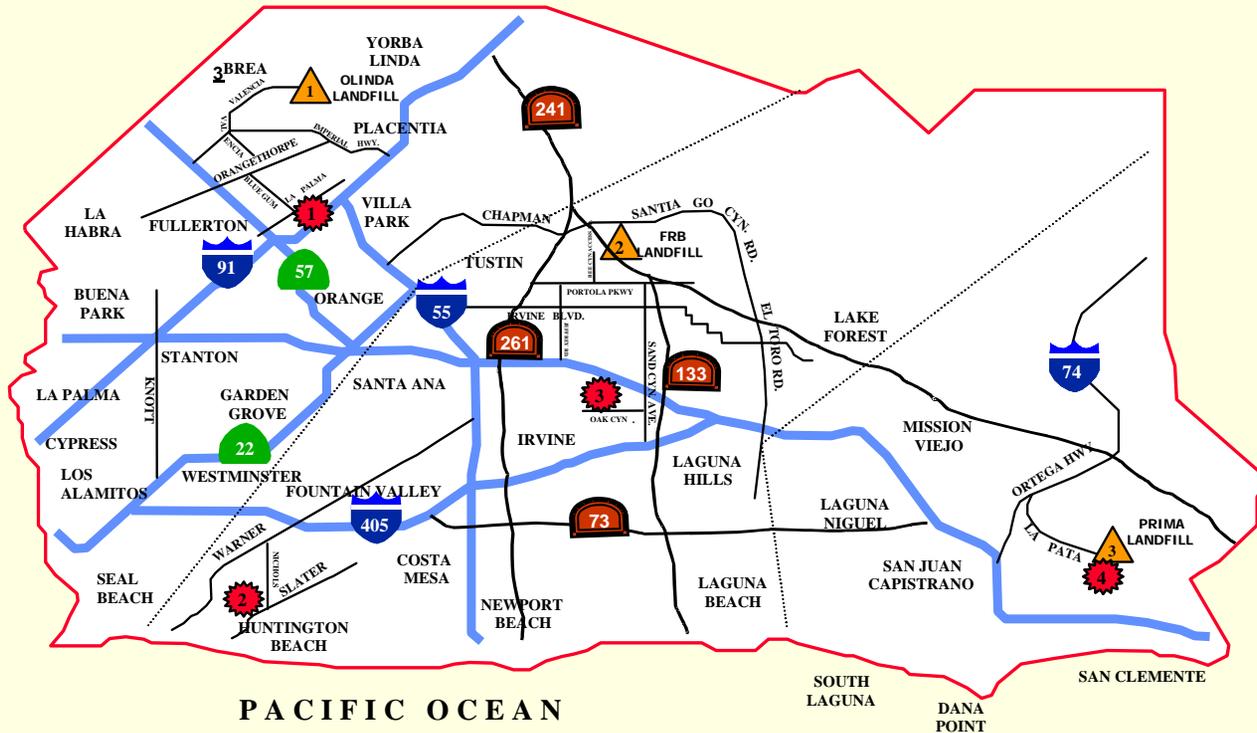
# Orange County

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- 798 square miles
- 34 cities and unincorporated area
- Nearly 3.1 million people
- More than 1 million households
- Over 100,000 businesses

# Orange County's Waste Disposal System



## Landfills

1. Olinda Alpha Landfill (operating hours 7am – 4pm)  
North on Valencia Ave., near Brea
2. Frank R. Bowerman Landfill (operating hours 7am – 4pm)  
Bee Canyon Access Road off Portola Parkway, Irvine
3. Prima Deshecha Landfill (operating hours 7am – 4pm)  
La Pata Ave. off Ortega Hwy., San Juan Capistrano



## Household Hazardous Waste Collection Centers

1. Anaheim (operating hours 9am - 3pm)  
1071 N. Blue Gum St.
2. Huntington Beach (operating hours 9am – 3pm)  
17121 Nichols St.
3. Irvine (operating hours 9am – 3pm)  
6411 Oak Canyon
4. San Juan Capistrano (operating hours 9am – 3pm)  
Located in the Prima Deshecha Landfill

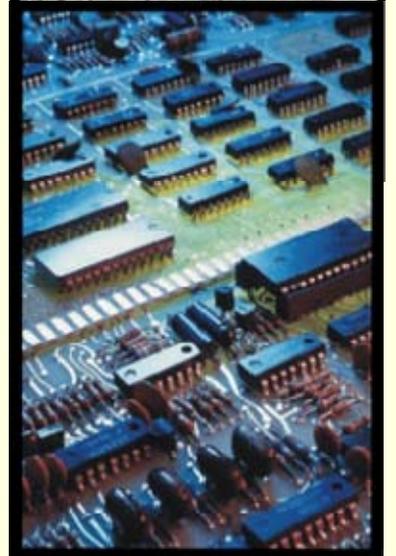
# IWMD

## Landfill Operations Overview

- **Olinda-Alpha (Brea)**
  - Opened in 1960
  - 565 acres (420 acres permitted for waste)
  - Permitted to accept 8,000 tons/day
- **Frank R. Bowerman (Irvine)**
  - Opened in 1990
  - 725 acres (341 acres permitted for waste)
  - Permitted to accept 8,500 tons/day
  - Business Waste Only – No Public
- **Prima Deshecha (San Juan Capistrano)**
  - Opened in 1976
  - 1,530 acres (699 acres permitted for waste)
  - Permitted to accept 4,000 tons/day

# Prohibited Wastes

- Hazardous & Universal Waste
- Contaminated Soils
- Liquids (>50% moisture content)
- Asbestos
- Medical Waste (untreated)
- Low-Level Radioactive Waste
- Empty Drums (>5 gal. capacity)
- Tires
- Automobiles, Campers, R.V.s



# Regulated Wastes



- Bulk Food Wastes (<50% Moisture)
- Soil
- Nuisance Dusts
- Appliances
- Treated Wood Waste
- Special Wastes (ie. Off-spec product, inerts)



# Multi-Faceted Approach

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- **Administrative Controls**
- **Engineering Controls**
- **Operational Controls**

# ADMINISTRATIVE CONTROLS

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- Public Education & Outreach
- Policy & Procedures
- Materials Regulation Program
- Personnel Training

## ADMINISTRATIVE CONTROLS

# Public Education & Outreach

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- Phone & E-mail Support
  - 24-hour Information Hotline
  - Trained Reception & Public Information Office
  - Materials Regulation Specialists
- Handouts & Brochures
- Informative Website - [www.oclandfills.com](http://www.oclandfills.com)
  - Landfill & HHWCC Acceptance Policies
  - Business Referral Listing for Unacceptable Wastes
- Inter-Agency Support
  - Fire, Environmental Health, Sanitation, Stormwater
- Waste Hauler Relations
  - 10 Different Franchise Haulers
- City Recycling Coordinator Relations
  - 34 Cities

## ADMINISTRATIVE CONTROLS

# Policy & Procedures

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### Internal Policy & Procedures Developed:

- Asbestos Waste
- Bulk Container Acceptance Guide
- Food Waste Procedures
- Low-Level Radioactive Waste
- Medical Waste Disposal
- Nuisance Dust
- Potentially Contaminated Soil
- Suspected Hazardous Waste
- Vehicle Disposal

# Materials Regulation Program

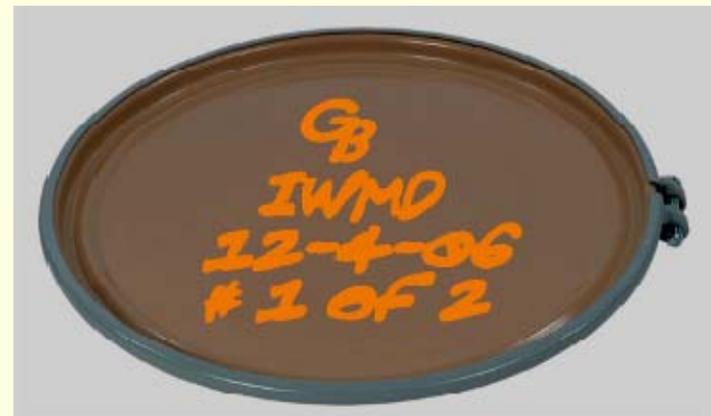
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- **Materials Regulation Specialists**
- **Phone Consultation and Site Visits with Public and Generators**
- **Field Inspection of Waste Material**
- **Acceptability Determined In-Advance**
- **Schedule and Track Inspected Waste into Landfills**
- **Provide Assistance and Guidance to Landfill Staff**
- **Follows Up on Unacceptable Loads at Landfill**
- **Member of Orange County's Hazardous Waste Strike Force Team coordinated by District Attorney's Office**



# Material Acceptance

- Mark Approved Containers
- Schedule Appointment
- Notify Designated Landfill Staff by FAX
- Waste Inspectors Inspect & Verify Material
- Disposal Confirmation returned to Materials Regulation Specialist



# Personnel Training

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- Landfill Operations Staff Trained to Recognize Prohibited and Regulated Wastes
- Designated Employees Trained Accordingly:
  - 40 Hour HAZWOPER
  - IWMD Policy & Procedures
  - OSHA Safety
  - Activity Specific training modules
  - Transportation

# ENGINEERING CONTROLS

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- **Overhead Cameras**
- **Radiation Monitors**

# Overhead Cameras



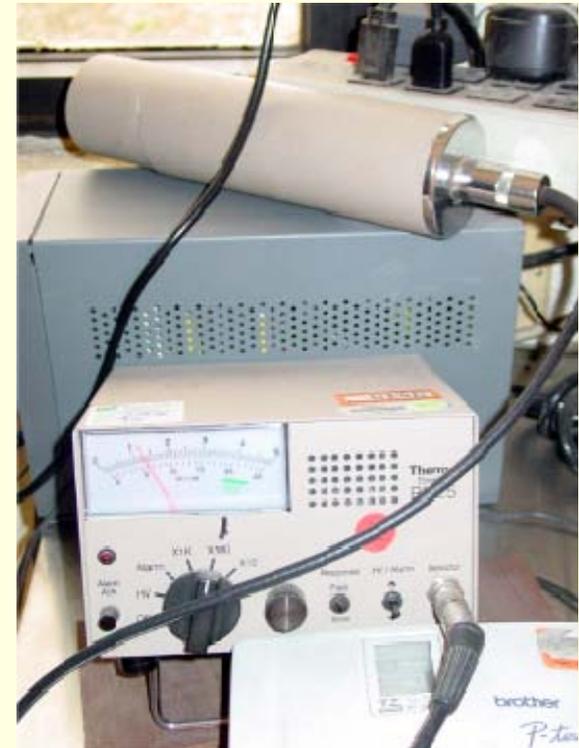
- Located at Fee Station Booths
- Automated Tarps Removed prior to Scales
- Fee Station Attendants View Loads on Scales
- Viewable On-line by any Computer
- Notify Waste Inspectors of Questionable Loads
- Manual Tarps Removed on Landing to Prevent Traffic Delays



# Radiation Monitoring



- Radiation Meters at Scales
  - Screen Loads Entering Landfill
  - Detects Beta & Gamma Rays
  - Set to 10x Background Levels
  - Alarm Stops Fee Transactions
  - E-mail Notification
- Portable Radiation Detectors
  - Locate Hotspot
  - Accurate Readings
- DHS - Radiological Health
- DOT Documentation



# OPERATIONAL CONTROLS

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- Household Hazardous Waste Program
- Appliance Recycling Program
- Load Check Program

## OPERATIONAL CONTROLS

# Household Hazardous Waste Program

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- Four Permanent Collection Centers
  - Anaheim (north-east)
  - Huntington Beach (north-west)
  - Irvine (central)
  - San Juan Capistrano (south)
- Collect Household Hazardous & Universal Wastes (no business waste)
- Over 100,000 Participants ( FY 2005-06)
- 7.5 Million Pounds Collected (FY 2005-06)
- Operated by Contract Staff



**ANAHEIM**



**HUNTINGTON BEACH**



**SAN JUAN CAPISTRANO**



**IRVINE**

## OPERATIONAL CONTROLS

# Appliance Recycling Program

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### ■ ACCEPTANCE POLICY

- Maximum of 2 per Load
- No Additional Charge
- Designated Storage Area Near Landing

### ■ RECYCLING

- Transported to California Certified Recycler (AB 2277 Compliant)



## OPERATIONAL CONTROLS

# Load Check Program

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- All Operational Staff Responsible
  - Fee Station Attendants
  - Laborers
  - Waste Inspectors
  - Equipment Operators
- Visual Inspection of Tarp Loads
- Continual Inspection in Public Area
- Random Inspections in Commercial Area
  - Designated Area
  - Documentation (Load Check Inspection Log)
- Inspection of Scheduled & Suspected Loads
- Turn-Away Prohibited Waste
- Safety

# Waste Inspectors

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- Primary Responsibility –  
Protect Landfill Environment and  
Safety of Public and Employees  
by Preventing Illegal Disposal of  
Prohibited Waste
- Inspectors on Landing at All Times
- Turn-Away Prohibited Waste
- Collect & Store Abandoned Illegally Disposed Waste
- Trained in Handling Hazardous Waste Materials
- Provide Containment and Clean-up of Small Spills
- Inform and Educate Landfill Customers



# Public Unloading Area



# OPERATIONAL CONTROLS – Load Check Program

## Commercial Unloading Area

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# Turn-Away Procedures

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- Prohibited Waste Returned to Customer
- Vehicle Turn-Away Log Completed
- Referrals Provided for Proper Disposal
- Collaborate with CUPA to Inspect Business Generators and Verify Proper Disposal
- Notify Orange County Hazardous Waste Strike Force Team

OPERATIONAL CONTROLS – Load Check Program

# Turn-Away Documentation

COUNTY OF ORANGE  
INTEGRATED WASTE MANAGEMENT DEPARTMENT

### VEHICLE TURN-AWAY LOG

STATION: 26 DATE: 9-3-05 AREA: COMMERCIAL TIME: 10:25 AM/PM

**VEHICLE DESCRIPTION**

VEHICLE LICENSE NO.: 7B11410 TYPE: DUMP TRUCK

COMPANY NAME (IF ANY): NELSON CONSTRUCTION CO. DR. LIC. NO.: \_\_\_\_\_

| HAZARD CATEGORY                           | APPROXIMATE QUANTITY | HAZARD CATEGORY  | APPROXIMATE QUANTITY |
|---|----------------------|--|----------------------|
| <input type="checkbox"/> Liquefied Gas    | _____                | <input type="checkbox"/> Oxidizer                              | _____                |
| <input type="checkbox"/> Flammable        | _____                | <input type="checkbox"/> Waste Oil                             | _____                |
| <input type="checkbox"/> Corrosive        | _____                | <input type="checkbox"/> Unknown                               | _____                |
| <input type="checkbox"/> Poison/Pesticide | _____                | <input checked="" type="checkbox"/> Other: <u>1 TELEVISION</u> | _____                |

REPORTED BY: NEO RIOS TITLE: INTEGRATED WASTE INSPECTOR

SUPERVISOR'S SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

SUSPECTED TURN-AWAY REPORTED TO: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

# Referral Handouts

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- Household Hazardous Waste Brochure
- Business Hazardous Waste List
- Electronic Waste Recyclers
- Tire Disposal Information
- Bulk Food – Rendering Plants
- Transfer Station Facilities
- Green Waste Recycling Facilities

OPERATIONAL CONTROLS – Load Check Program

# Hazardous Waste Storage Facility

- Segregation by Hazard Class
- Secondary Containment
- Secure
- Emergency Response Supplies
- Quarterly Shipments by Hazardous Waste Disposal Contractor



# Summary

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- Diverting Prohibited Waste Requires a Multi-Faceted Approach
- Coordination and Cooperation with Local Agencies is Key.
- Continual Communication of Information to Public, Generators, Haulers, Regulators and Staff is Essential

# QUESTIONS?

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