

Compost Use for Municipal Landscapes

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Overview

- Organics Activity at the CIWMB
- Background for Today's Workshop
- 2008-2009 Compost Workshops & Demonstrations Projects

CIWMB Strategic Directives

- **Strategic Directive 6.1--Reduce the amount of organics in the waste stream by 50 percent by 2020.**
 - **Compostable portion of organic materials constitutes approximately 30 percent of what is disposed.**
 - **Develop new facilities, increased development of product standards, increased procurement by private and public entities, and resolution of cross-agency regulatory issues.**

CIWMB Organics Policy Roadmap

- Organics Summit & BioFuels Forum held in 2007
- Organics Roadmap Developed
 - 6 Key Area Issues:
 - Alternative Daily Cover Policy
 - Economic Incentives and Disincentives
 - Siting and Capacity Development
 - Regulatory and Permitting Constraints
 - Research, Product Standards & Technology Evaluation
 - Education and Procurement



Alternative Daily Cover Policy

- Alternative Daily Cover (ADC) at Landfills
- ADC Policy Working Group
- ADC Toolbox
 - Case Studies, Model Ordinances, Environmentally Preferable Purchases and Practices Policy, Compost Specifications, Marketing Plans, Compost Benefits, Education and Outreach, & Links.
- Legislation



Economic Incentives & Disincentives

- Need to coordinate with other agencies to create effective incentives and disincentives that address core issues identified by stakeholders.
- Plan to hold workshops in 2009 to collect additional stakeholder input and recommendations



Siting & Capacity Development

- On-line Survey & Interviews to Identify Siting Barriers & Solutions
- Siting Workshops April 2008
 - Coordination with Air & Water Regulatory Agencies
 - Web-based Info Clearinghouse
 - Legislation for Diversion Capacity
- Current & Needed Infrastructure Survey



Regulatory & Permitting Constraints

- Review of CIWMB Regulations Affecting Organics Management
 - Mammalian Tissue Composting
 - Food Waste Composting
 - Farms & Ranches
 - Land Application
 - Emerging Technologies
 - Green Material Contamination
- Coordination with Air and Water Regulatory Agencies



Research, Product Standards & Technology Evaluation

- BioEnergy & BioFuels Contract
- Compost BMPs & Benefits Contract
- Compost Emissions Report
- LifeCycle Assessment for Organics Materials Management
- Agricultural Specifications Contract
- Compost Cover Methane Reduction at Landfills Contract
- Landfill-Based Anaerobic Digestion



Education and Procurement

- Organics Web Enhancement
 - Organics Information Clearinghouse
- Organics Information Packets
 - Green Roads
 - Organics Marketing Kit
- K-12 Curriculum
- Workshops to Promote Compost Procurement



2006-2007 Compost Workshops

Interagency Agreement with UCR Extension

- Caltrans Compost-Based Specifications Developed in 2006
- Workshops Targeted at Caltrans' Contractors & Designers Held Around the State
- Developed Compost Use For Landscape & Environmental Enhancement Manual
- No Field-Based Component & Very Little Local Government Representation

2008-2009 Compost Workshops

Interagency Agreement with UCR Extension

- 10+ Workshops Around the State
 - Introduce Caltrans Compost-Based Specifications to a Wider Audience
 - Local Governments Often Adopt Caltrans Specifications
- Field Demonstration Component
 - Northern California – San Jose
 - Southern California – Yorba Linda
 - Erosion Control on Fire-Damaged Lands

What you will hear today

- Meeting Environmental Goals through Composting
- Producing High Quality Compost through Process Management
- Benefits of Compost Use
- Specifications for Applying Compost
 - Implementing on a Municipal Level
- Results of Compost Application Research
- Case Studies for Using Compost

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Thank-You!

