

# **Informal Workshop on Draft Regulatory Revisions To Title 14 and 27 (In-Vessel Digestion)**

Thursday, April 11, 2013

9:00 AM – 11:00 AM

Cal/EPA Headquarters, Coastal Hearing Room

1001 I Street

Sacramento, CA

# Workshop Agenda

1. Introductions
2. Workshop Objectives
3. Overview of Draft In-Vessel Digestion Regulations
4. Discussion: Consolidated Draft Regulation Text (pages 23-44)
5. Next Steps
6. Adjourn

# Introductions

# Workshop Objectives

Review Draft In-Vessel Digestion Regulations

Obtain stakeholder feedback on draft text

- Comments
- Suggestions

# **Overview of Draft In-Vessel Digestion Regulations**

Anaerobic digestion (AD) is currently regulated under the Compostable Materials Handling or Transfer/Processing regulations, depending on the nature of the feedstock and how it is handled

# In-Vessel Digestion

CalRecycle staff:

Views AD as a process in between Transfer/Processing and Compostable Materials Handling

Intended to develop initial draft regulatory text for AD

Became aware of several in-vessel digestion technologies that do not utilize AD

Proposes to broaden the scope of regulations to cover other types of “in-vessel” digestion activities, including AD

# In-Vessel Digestion

CalRecycle staff proposes:

**Option 1:** A stand-alone, fully-contained set of regulations containing imported transfer/processing and compostable materials handling standards applicable to in-vessel digestion.

Other options considered but not developed include:

**Option 2:** A stand-alone set of regulations containing cross-references to transfer/processing and compostable materials handling standards applicable to in-vessel digestion.

**Option 3:** Option 2 plus provide, upon completion of the rulemaking, a fully-contained, non-regulatory guidance document that includes the full text of any cross-referenced standard.

# Draft Text: Combination of Transfer/Processing and Compostable Material Handling

| Transfer/Processing   | Compostable Materials Handling  |
|---|---|
| <ul style="list-style-type: none"> <li>§ <u>Authority and Scope</u></li> <li>§ <u>Definitions</u></li> <li>§ <u>Pre-Existing Permits and Notifications</u></li> <li>§ <u>Regulatory Tiers</u></li> <li>§ <u>Excluded Activities</u></li> <li>§ Limited Volume In-Vessel Digestion Operations</li> <li>§ Medium Volume In-Vessel Digestion Facilities</li> <li>§ Large Volume In-Vessel Digestion Facility</li> <li>§ In-Vessel Digestion Facility Plan</li> <li>§ In-Vessel Digestion Report</li> <li>§ Applicability of State Minimum Standards</li> <li>§ Siting On Landfills</li> <li>§ General Design Requirements</li> <li>§ Cleaning</li> <li>§ Drainage Control</li> <li>§ Dust Control</li> <li>§ Hazardous, Liquid, and Special Wastes</li> <li>§ Litter Control</li> <li>§ Load checking</li> <li>§ Maintenance Program</li> <li>§ Medical Wastes</li> <li>§ Noise Control</li> <li>§ Non-Salvageable Items</li> <li>§ Nuisance Control</li> <li>§ Parking</li> <li>§ Personnel Health and Safety</li> <li>§ Protection of Users</li> <li>§ Roads</li> <li>§ Sanitary Facilities</li> <li>§ Scavenging and Salvaging</li> <li>§ Signs</li> <li>§ Supervision and Personnel</li> <li>§ Training</li> <li>§ Vector, Bird and Animal Control</li> <li>§ <u>Record Keeping Requirements</u></li> <li>§ Documentation of EA Approvals, Determinations, and Requirements</li> <li>§ Communications Equipment</li> <li>§ Equipment</li> <li>§ Fire Fighting Equipment</li> <li>§ Housekeeping</li> <li>§ Lighting</li> <li>§ Site Attendant</li> <li>§ Site Security</li> <li>§ Traffic Control</li> <li>§ Visual Screening</li> <li>§ Water Supply</li> </ul> | <ul style="list-style-type: none"> <li>§ Research In-vessel Digestion Operations</li> <li>§ Odor Minimization Plan</li> <li>§ Prohibitions</li> <li>§ Digestate Handling</li> <li>§ Sampling Requirements</li> <li>§ Maximum Metal Concentrations</li> <li>§ Pathogen Reduction</li> <li>§ Physical Contamination Limits</li> <li>§ Site Restoration</li> </ul> |

# Draft In-Vessel Digestion Regulatory Tiers

(4/4/2013)

| Excluded Tier  | Enforcement Agency Notification Tier                              | Registration Permit Tier  | Full Solid Waste Facility Permit                                |
|--|---|---|---|
| <p>Anaerobically digestible materials at POTWs<br/>§ 17896.5(a)(1)</p>   | <p>Limited Volume In-Vessel Digestion Operation<br/>§ 17896.8</p> | <p>Medium Volume In-Vessel Digestion Facility<br/>§ 17896.9</p> | <p>Large Volume In-Vessel Digestion Facility<br/>§ 17896.10</p> |
| <p>Ag material derived from ag site &amp; returned to same site<br/>§ 17896.5(a)(2)</p>  | <p>Research In-Vessel Digestion Operations<br/>§ 17896.6</p>      |   |   |
| <p>In-vessel digestion activities with less than 50 cubic yard on-site capacity<br/>§ 17896.5(a)(3)</p>                                    | <p>In-Vessel Dairy Digestion Operations<br/>§ 17896.7</p>         |   |   |
| <p>Handling activities that are already subject to more stringent handling requirements under Federal or State law<br/>§ 17896.5(a)(4)</p> |   |   |   |

# Consolidated Draft Regulation Text

[www.calrecycle.ca.gov/Laws/Rulemaking/Compost/default.htm](http://www.calrecycle.ca.gov/Laws/Rulemaking/Compost/default.htm)

# Next Steps

**Adjourn**