SB 1383

Solid Waste Facility Regulations

An Overview of the New Solid Waste Facility and Operation Standards
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Changes to existing *Title 14 Regulations*:
- Transfer/Processing Operations and Facilities
- Composting Operations and Facilities
- In-Vessel Digestion Operations and Facilities

Changes to existing *Title 27 Regulations*:
- Solid Waste Landfills and Disposal Sites
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Transfer/Processing
Flow of Organic Materials Through Transfer/Processing Operations and Facilities

- **Hauler Collects Organic Material and Delivers to Facility**
- **Transfer/Processing Facility Sorts and Processes Material**
- **Incompatible Materials Limit (IML):**
  - Recovered organic material sent for further processing

**Material received at a facility or operation**
**Measurements, recordkeeping and reporting requirements**
**Recovered organic material sent for further processing**
**PROCESSING WASTE AT A TRANSFER/PROCESSING FACILITY**

- **Mixed Organics (MO)**
- **Source Separated Organics (SSO)**

**Recovery Efficiency Standard**
- Standard of 50 percent by 2022 and 75 percent by 2025

**Incompatible Materials Limit**
- Facility required to keep separate

**CalRecycle**
Gray Container Waste Evaluations

- A facility that receives waste from the Gray Container Collection Stream and more than 500 tons of solid waste from at least one jurisdiction shall perform waste evaluations.
- The operator shall perform one waste evaluation per quarter.
- Recordkeeping and reporting requirements.
ORGANIC WASTE SAMPLING METHODOLOGY

Sampling of Organic Waste in the following waste streams:

- **Mixed Waste Organic (MO) Collection Stream**
  - Organic Waste Recovered
  - Organic Waste in Material Sent for Disposal
  - Incompatible Materials Limit in Recovered Organic Waste

- **Source Separated Organic (SSO) Waste Collection Stream**
  - Organic Waste Recovered
  - Organic Waste in Material Sent for Disposal
  - Incompatible Materials Limit in Recovered Organic Waste
Sampling Mixed Organic Waste Collection Streams

**Step 1:** Weigh Sample

**Step 2:** Inspect and Remove Incompatible Materials

**Step 3:** Re-Weigh Sample

**Step 4:** Calculate Total Tons Organics Recovered

- Yard Waste
- Food Waste
- Cardboard
- Wood
- Waste Sent for Disposal
The Sampling Protocol and Calculation for SSO is the same as it is for MO

SSO does not have a Recovery Efficiency Standard
Daily totals of incoming organic material

Results of each sample conducted

Daily totals of outgoing organic material sent for recovery and disposal

Separate Recordkeeping

Same recordkeeping requirements as the mixed organic waste stream
- Quarterly sums of the organic waste recovered
- Quarterly sum of the organic waste sent to disposal

Separate Reporting

- Same reporting requirements as the mixed organic waste stream
# Incompatible Materials Limit

## Measurement Protocol

<table>
<thead>
<tr>
<th>STEP 1</th>
<th>STEP 2</th>
<th>STEP 3</th>
<th>STEP 4</th>
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<tbody>
<tr>
<td><img src="sample.png" alt="Image" /></td>
<td><img src="incompatible_mats.png" alt="Image" /></td>
<td><img src="sample_reweighed.png" alt="Image" /></td>
<td><img src="calculate_total_tons.png" alt="Image" /></td>
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<table>
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<tr>
<th>PROCEDURE</th>
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<tr>
<td>Sample of 200 Pounds or More is Weighed</td>
</tr>
<tr>
<td>Incompatible Materials are Removed from the Sample</td>
</tr>
<tr>
<td>Sample is Re-weighed to Determine Amount of Incompatibles in the Sample</td>
</tr>
<tr>
<td>Calculate Total Tons of Incompatible Material in the Organic Recovered</td>
</tr>
</tbody>
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Less than **20 percent** of Incompatible Material by weight on and after January 1, 2022

Less than **10 percent** of Incompatible Material by weight on and after January 1, 2024
POST PROCESSING - INCOMPATIBLE MATERIAL LIMITS

Delivery: 95% Organics | 5% Incompatible Material

Organics Waste Recovery Activities:
- Organics Recycling Center
- Compostable Material Handling Operation or Facility
- In-Vessel Digestion Operation or Facility
- Biomass Conversion Facility
- Facility that meets additional quality standards

Delivery: 60% Organics | 40% Incompatible Material
SOLID WASTE HANDLING AT CONSOLIDATION SITES

Not subject to the Measurement or Recordkeeping/Reporting Requirements specified in Title 14

Shall keep SSO separate from other Solid Waste Streams

Materials shall be transported only to Transfer/Processing Facilities or Operations that comply with the Organic Waste Recovery Efficiency Requirements
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Composting In-Vessel Digestion
Sampling of Organic Waste is required in the following sections:

- General Operating Standards (Composting Operations and Facilities)
- Organic Waste in Material Sent to Disposal (In-Vessel Digestion Operations and Facilities)
Operators are required to measure how much organic waste is present in material sent for disposal.

Textiles, carpet, hazardous wood waste, non-compostable paper, human or pet waste, and material subject to quarantine is not required to be measured as organic waste.
# Measuring Organic Waste in Materials Sent for Disposal

## Procedure

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
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<tr>
<td>1</td>
<td>Sample of 200 Pounds or More is Weighed</td>
</tr>
<tr>
<td>2</td>
<td>Non-Organic Material is Removed from the Sample</td>
</tr>
<tr>
<td>3</td>
<td>Sample is Re-weighed to Determine Amount of Organics in Material Sent for Disposal</td>
</tr>
<tr>
<td>4</td>
<td>Calculate Total Tons Organics Disposed</td>
</tr>
</tbody>
</table>
Recordkeeping:

- Daily outgoing weights of organic material recovered and produced
- Daily outgoing weights of materials sent for disposal
- The quarterly percentage of organic waste contained in material sent for disposal

Reporting:

- Report the percentage of organic waste contained in the material sent for disposal
**Feedstock Sources for Composting/In-Vessel Digestion**

*Disposal*
- Less than 20 percent Organic Material Disposed on and after January 1, 2022
- Less than 10 percent Organic Material Disposed on and after January 1, 2024

*Disposal*
- More than 20 percent Organic Material Disposed on and after January 1, 2022
- More than 10 percent Organic Material Disposed on and after January 1, 2024

Transfer/Processing Operators that fail to meet the Incompatible Materials Limit may send material to this facility.

Transfer/Processing Operators that fail to meet the Incompatible Materials Limit cannot send material to this facility.
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Title 27
Landfills/Disposal Sites
CHANGES TO EXISTING OPERATING STANDARDS FOR LANDFILLS

- New or Expanding landfill operators shall implement an organic waste recovery activity

- All landfill operators shall prepare an Organic Disposal Reduction Status Impact Report (SIR)
MISCELLANEOUS - PERMITTING

- New Public Meeting Requirement with Affected Disadvantaged Communities
- No Changes to Existing Regulatory Tiers and Permits
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Biosolids Generated at a Publicly Owned Treatment Works (POTW)

Article 6
PUBLICLY OWNED TREATMENT WORKS (POTW)

- **Biosolids Generated at POTW:**
  
  Are not subject to:

  - Article 3 Requirements
  
  - Measurement and Recordkeeping/Reporting Requirements specified in Title 14

- **Waste Received at a POTW**
FUTURE TRAINING AND ASSISTANCE

- Training
  - Technical training

- Under Development:
  - Guidance documents
QUESTIONS?