

SB 1383

Solid Waste Facility Regulations

An Overview of the New
Solid Waste Facility and
Operation Standards



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OVERVIEW

- ❑ 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

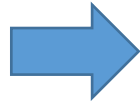
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Transfer/Processing

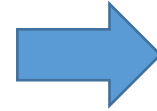
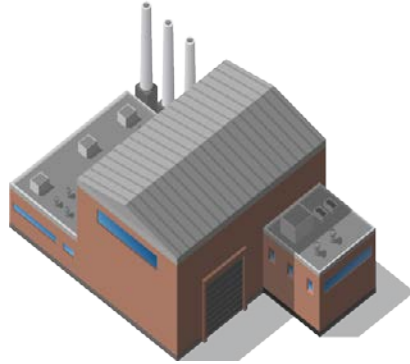


FLOW OF ORGANIC MATERIALS THROUGH TRANSFER/PROCESSING OPERATIONS AND FACILITIES

Hauler Collects Organic Material and Delivers to Facility



Transfer/Processing Facility Sorts and Processes Material



Incompatible Materials Limit (IML):

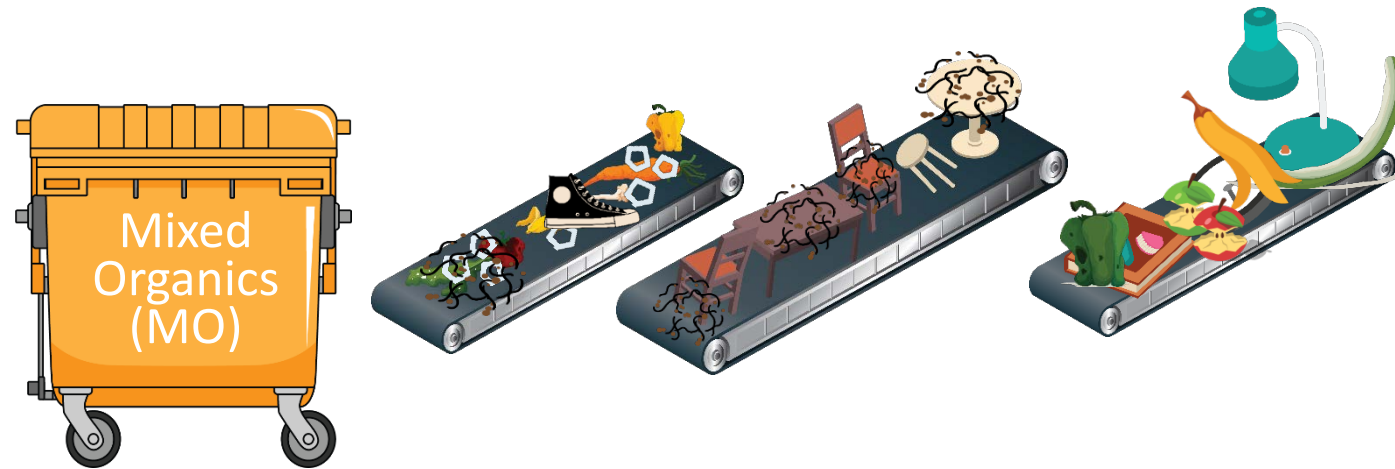


Material received at a facility or operation

Measurements, recordkeeping and reporting requirements

Recovered organic material sent for further processing

PROCESSING WASTE AT A TRANSFER/PROCESSING FACILITY



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

Incompatible Materials Limit

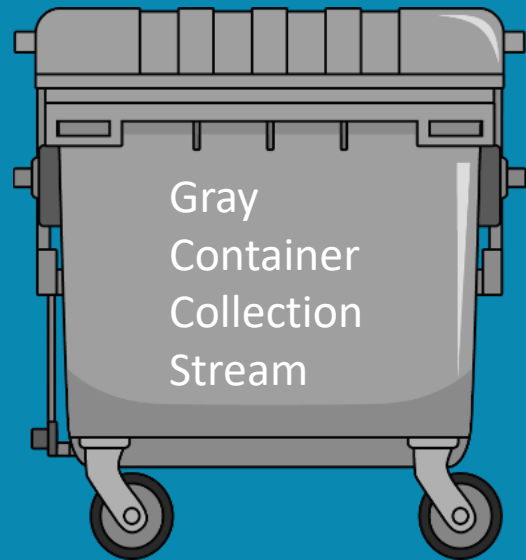


Facility Required to Keep Separate



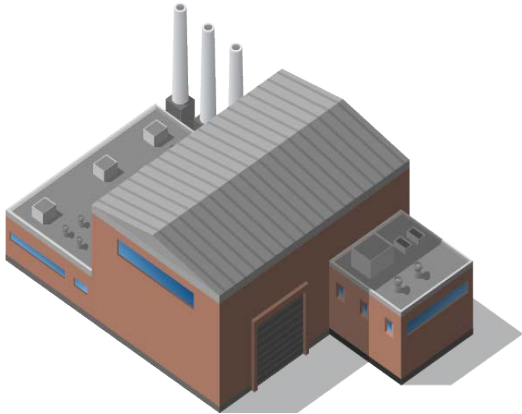
Incompatible Materials Limit

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

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

Yard Waste



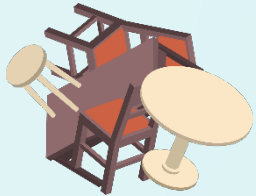
Food Waste



Cardboard



Wood



Waste Sent for Disposal

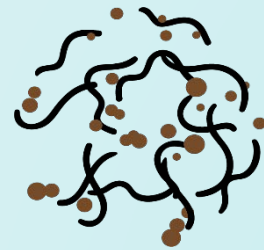


STEP
1



Weigh
Sample

STEP
2



Inspect and
Remove
Incompatible
Materials

STEP
3



Re-Weigh
Sample

STEP
4



Calculate Total
Tons Organics
Recovered

MEASUREMENT PROTOCOL FOR SOURCE SEPARATED ORGANICS WASTE

PROCEDURE FOR ORGANIC WASTE RECOVERED

STEP
1



Sample of 200
Pounds or More is
Weighed

STEP
2



Incompatible Materials
are Removed from the
Sample

STEP
3



Sample is Re-weighted to
Determine Amount of
Organic Waste in the
Sample

STEP
4



Calculate Total
Tons Organics
Recovered

The Sampling Protocol and
Calculation for SSO is the same as
it is for MO

SSO does not have a Recovery
Efficiency Standard

PROCEDURE FOR ORGANICS IN MATERIAL SENT FOR DISPOSAL

STEP
1



Sample of 200
Pounds or More is
Weighed

STEP
2



Incompatible Materials
are Removed from the
Sample

STEP
3



Sample is Re-weighted to
Determine Amount of
Organics in Material
Sent for Disposal

STEP
4



Calculate Total
Tons Organics
Disposed

RECORDKEEPING



- 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

PROCEDURE

STEP
1



Sample of 200
Pounds or More is
Weighed

STEP
2



Incompatible Materials
are Removed from the
Sample

STEP
3



Sample is Re-weighed to
Determine Amount of
Incompatibles in the
Sample

STEP
4



Calculate Total Tons of
Incompatible Material
in the Organic
Recovered



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



Delivery: 60% Organics | 40% 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

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



ORGANIC WASTE SAMPLING METHODOLOGY

Sampling of Organic Waste is required in the following sections:



- General Operating Standards (Composting Operations and Facilities)

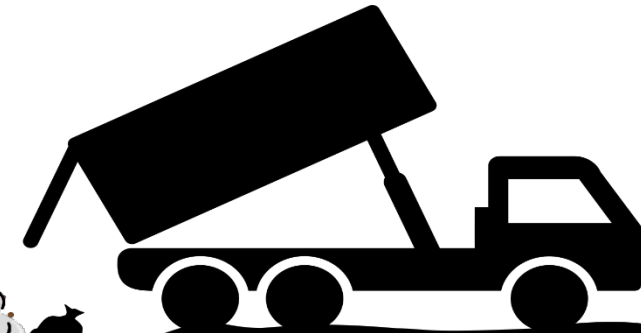
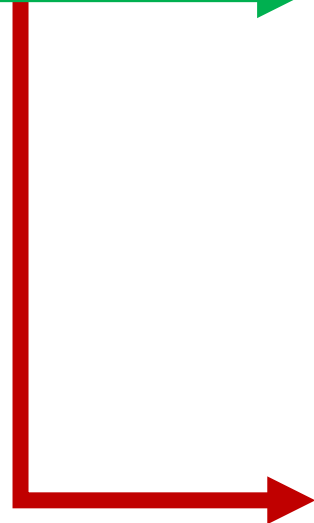


- Organic Waste in Material Sent to Disposal (In-Vessel Digestion Operations and Facilities)

PROCESSING WASTE AT A COMPOST OR IN-VESSEL DIGESTION FACILITY



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

STEP 1



Sample of 200 Pounds or More is Weighed

STEP 2



Non-Organic Material is Removed from the Sample

STEP 3



Sample is Re-weighed to Determine Amount of Organics in Material Sent for Disposal

STEP 4



Calculate Total Tons Organics Disposed

RECORDKEEPING AND REPORTING

Recordkeeping:

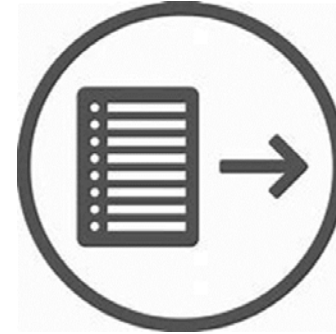


Daily outgoing weights of organic material recovered and produced

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



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

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



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 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

Enforcement Agency Notification

SOLID WASTE FACILITY PERMIT Facility Number: _____

1. Name and Street Address of Facility: _____ 2. Name and Mailing Address of Operator: _____ 3. Name and Mailing Address of Owner: _____

4. Specifications:

a. Permitted Operations: Solid Waste Disposal Site Transformation Facility
 Transfer Processing Facility (TRF) Other: _____
 Composting Facility (MSW/green material/C&G)

b. Permitted Hours of Operation: Receipt of Refuse/Waste: _____
 Ancillary Operations-Facility Operating Hours: _____

c. Permitted Maximum Tonnage: _____ Tons per Day
 d. Permitted Traffic Volume: _____ Vehicles per Day

e. Key Design Parameters (Detailed parameters are shown on site plans bearing EA and CalRecycle validations):

	Total	Disposal	Transfer Processing	Composting	Transformation
Permitted Area (in acres)					
Design Capacity (cu yd/d)					
Max Elevation (Ft. MSL)					
Max Depth (Ft. MSL)					
Estimated Closure Year					

Upon a significant change in design or operation from that described herein, this permit is subject to revocation or suspension. The attached permit findings and conditions are integral parts of this permit and supersede the conditions of any previously issued solid waste facility permit.

5. Approval: _____
 Approving Officer Signature (Name and Title)

6. Enforcement Agency Name and Address: _____

7. Date Received by CalRecycle: _____ 8. CalRecycle Concurrence Date: _____

9. Permit Issued Date: _____ 10. Permit Review Due Date: _____ 11. Owner/Operator Transfer Date: _____

➤ 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?

