

# SB 1383 Guidance: Examples of Required Measurements for Transfer/Processors, Composters, and In-Vessel Digesters

This guidance is intended to show examples of the different measurements required by the SB 1383 facility regulations. The examples are all fictitious facilities and may not illustrate all incoming material types that transfer/processing facilities and operations, composting facilities and operations, or in-vessel digestion facilities and operations handle in California. The examples do show all the typical measurements that transfer/processing facilities and operations are required to carry out for incoming source separated organic waste streams (SSO), mixed waste organic streams (MO), and gray container waste streams [[Sections 17409.5.1 - 17409.5.9](#)]. There are also examples of the measurements for compost facilities and operations and in-vessel digester facilities and operations [[Section 17867](#) and [Section 17896.44.1](#)].

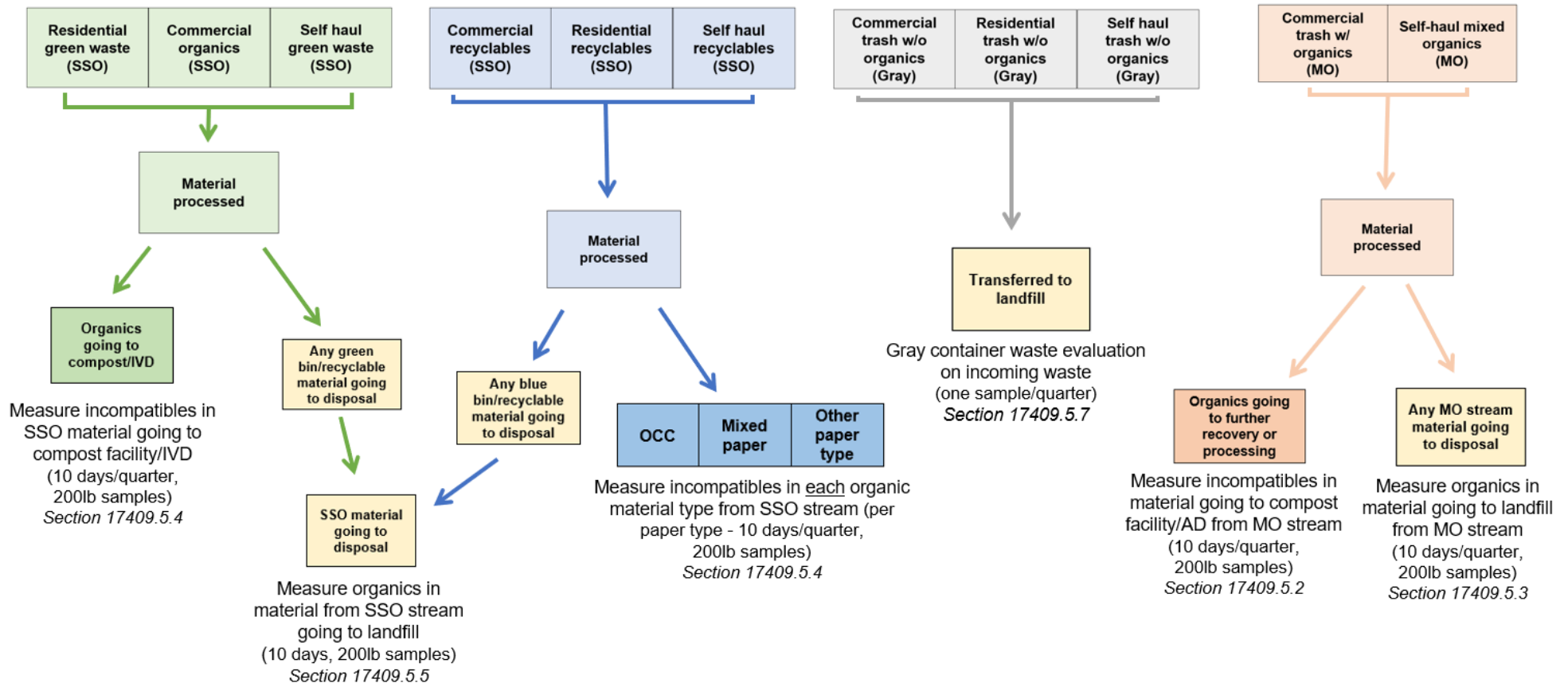
Landfills do not have any measurement requirements under the new regulations. However, a transfer/processing activity or organic material processing activity (i.e. chipping and grinding; composting, in-vessel digesters) co-located on a landfill will need to comply with the applicable measurement requirements for transfer/processors and composters.

The diagrams show the required measurements; they do not illustrate all possible materials processed at a facility.

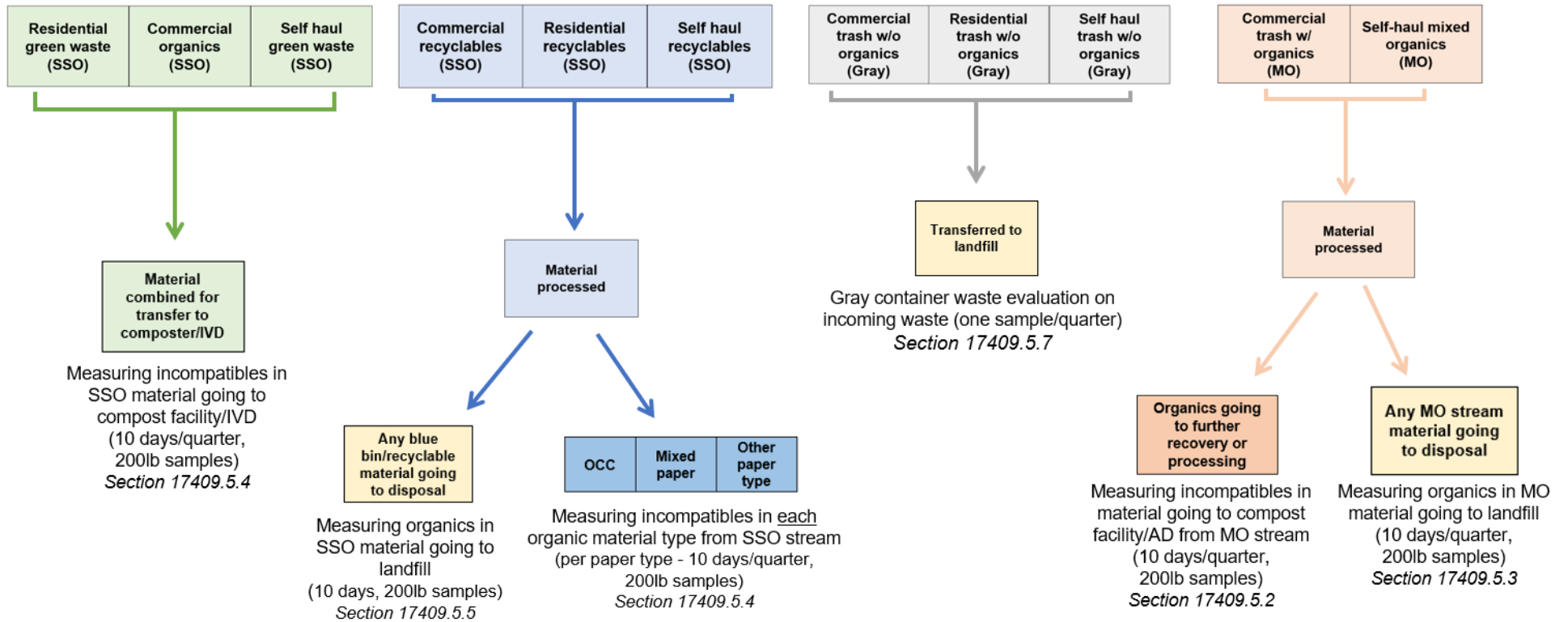
**Note for transfer/processing facilities and operations:** Unless a transfer/processor has been deemed a consolidation site by the LEA, the transfer/processor must measure SSO streams and MO streams regardless of whether those streams are processed on-site.

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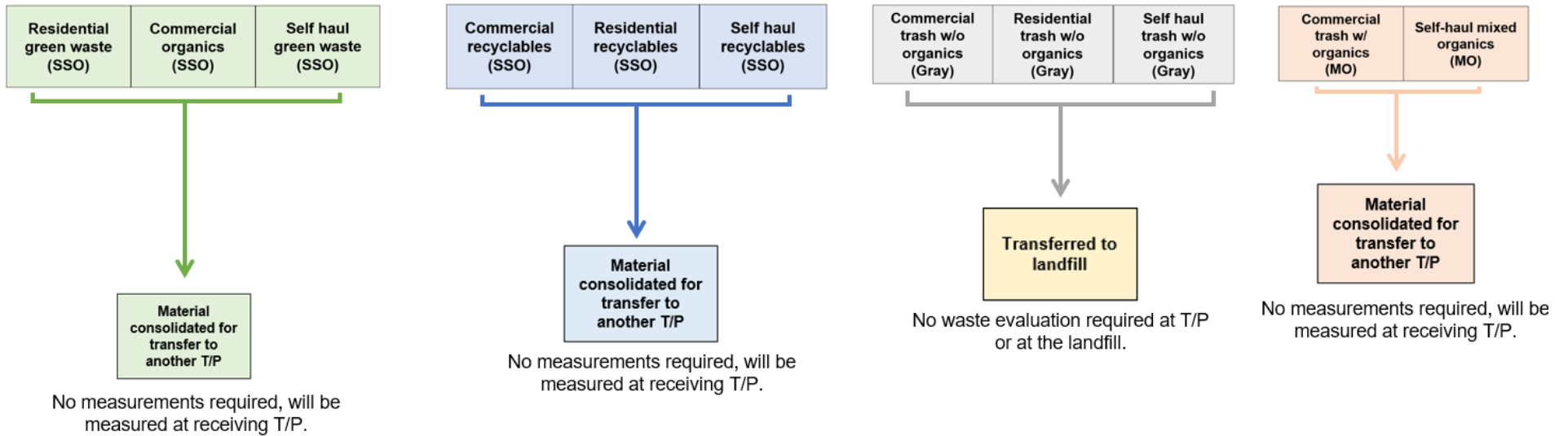
# Measurement Scenario 1: Transfer/Processor that processes most streams



# Measurement Scenario 2: Transfer/Processor that processes some streams

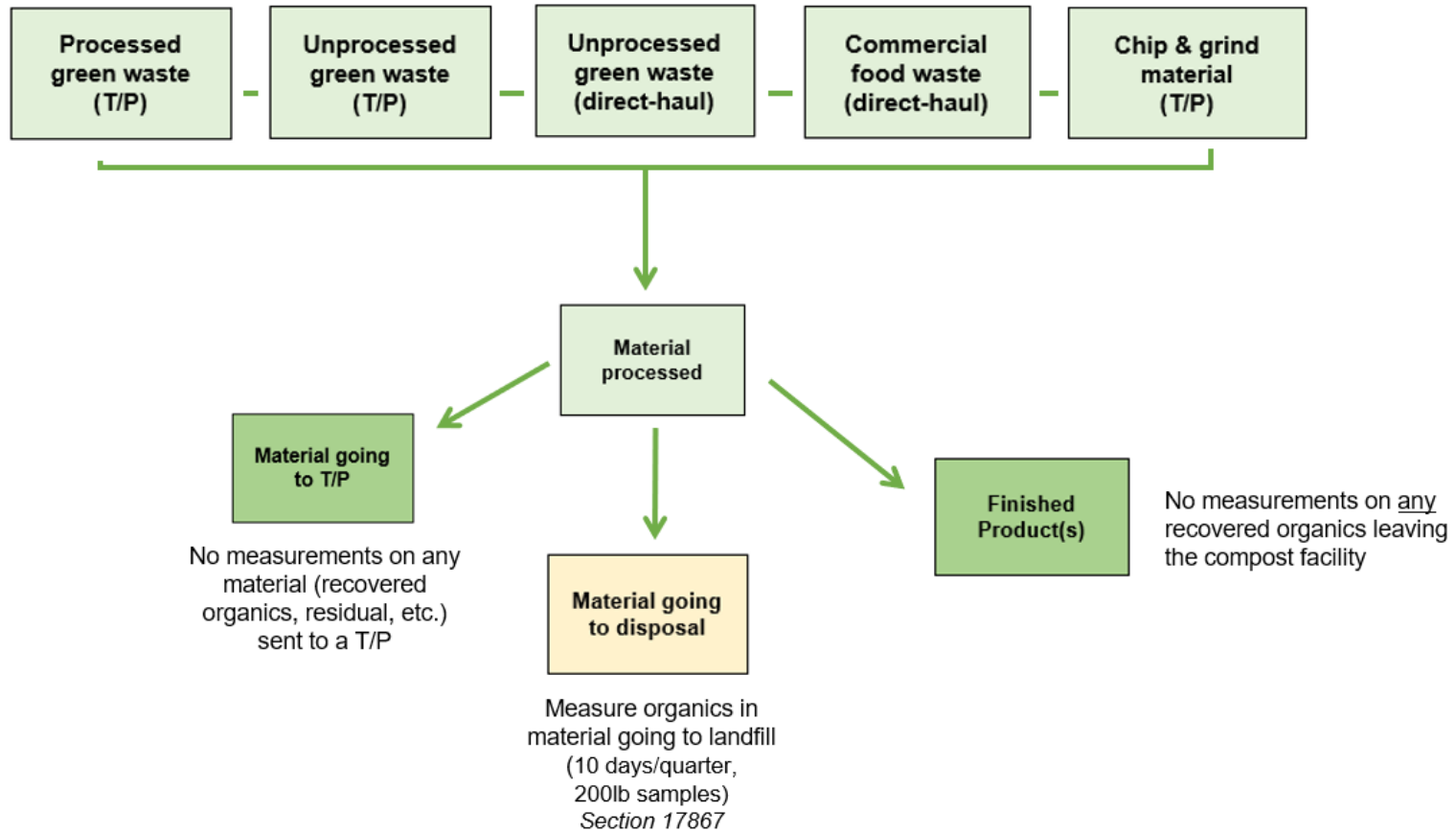


# Measurement Scenario 3: Transfer/Processor that does no processing (Consolidation Site\*)

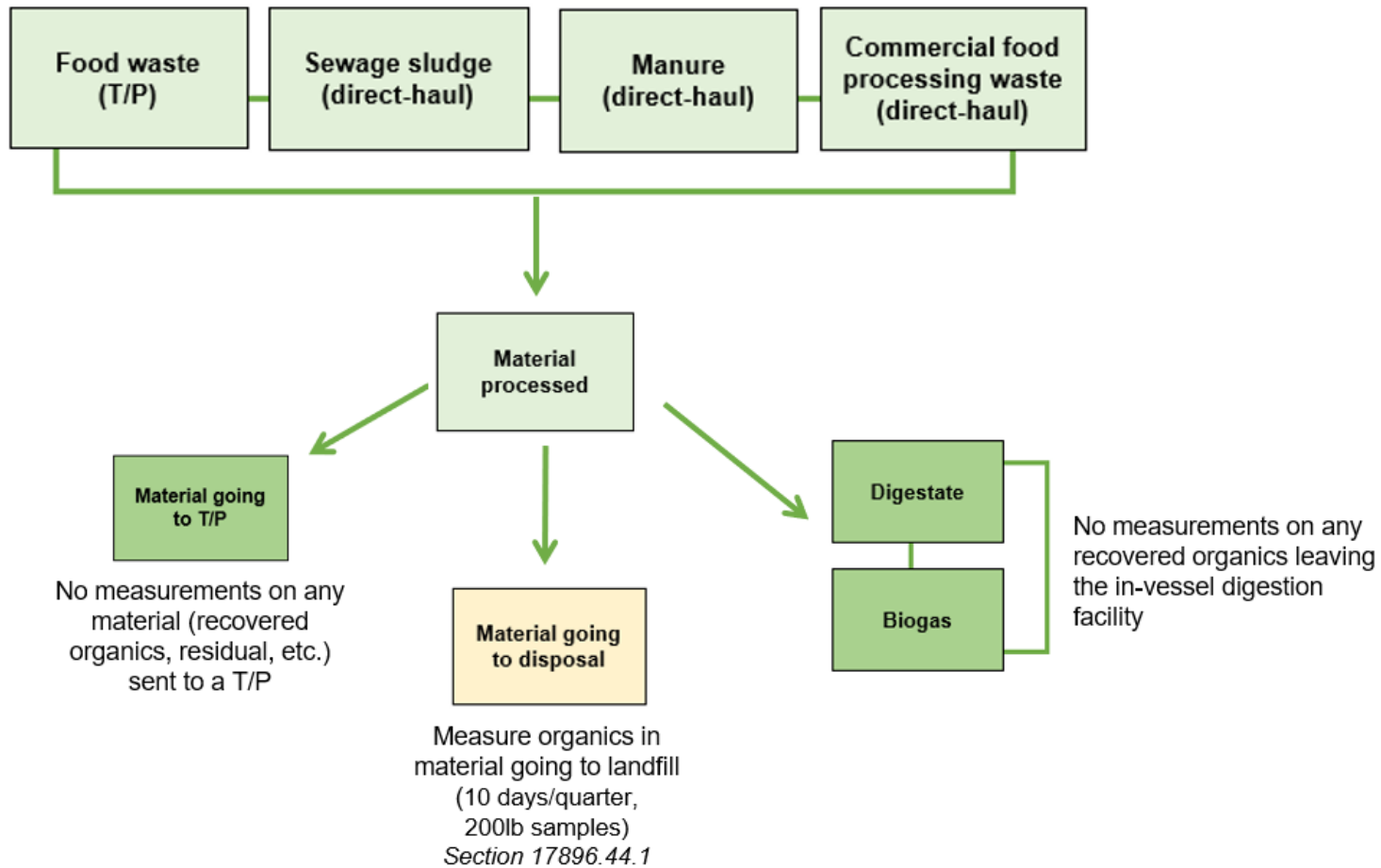


\*Please review the CalRecycle [Consolidation Site Guidance](#) to determine if a transfer/processor could be a consolidation site.

# Measurement Scenario: Compost Facility/Operation [[Section 17867](#)]



# Measurement Scenario: In-Vessel Digester Facility/Operation [[Section 17896.44.1](#)]



## Appendix 1: Transfer/Processor Measurement Scenarios

In each of the transfer/processing facility scenarios, the facility accepts waste from the public, a jurisdiction with a residential and commercial three-bin system (green, blue and gray container), and a jurisdiction with a four-bin system (includes a commercial mixed waste container).

- Source separated organic waste – green waste and food waste. This includes self-haul green waste, commercial organics, and residential green waste.
- Source separated organic waste – traditional recyclables including paper, often referred to as blue bin material. This includes commercial recyclables, residential recyclables, and self-hauled recyclables.
- Gray container waste – this includes commercial trash and residential trash streams where customers are directed not to put organics in the bins. This stream also includes self-hauled trash that is identified as gray container waste and not mixed waste organics.
- Mixed organic waste – this includes commercial trash that allow organics to be placed in the disposal bin, as well as self-hauled mixed organics

### Measurement Scenario 1: Transfer/Processor that processes most streams

The source separated organic green material is handled as follows:

- The self-haul green waste, commercial organics, and residential green waste are processed and combined before being sent to a composter or in-vessel digester. This combined, processed material stream is subject to measurement under Section 17409.5.4. The material also must be measured for incompatible material over a 10-day measurement period, with each sample weighing at least 200 pounds.
- The portion of the processed green waste that is destined for disposal is combined with the material destined for disposal from the processed blue bin recyclables. This combined material must be sampled and measured for organics over 10-day measurement period, with each sample weighing at least 200 pounds (Section 17409.5.5).

The source separated organic recyclable material (blue bin) is handled as follows:

- The incoming blue bin recyclables (commercial and residential) and self-hauled materials that are typically allowed in the blue bin are processed, and the facility produces separate bales of old corrugated cardboard, mixed paper, and some other paper types. These paper materials in the bales are subject to measurement under Section 17409.5.4. This means each organic material type, OCC, mixed paper, and any other paper type, must be separately measured for incompatible material over a 10-day measurement period, with each sample weighing at least 200 pounds.
- The portion of the processed recyclables that are destined for disposal is combined with the material destined for disposal from the processed green waste. This combined material must be sampled and measured for organics over 10-day measurement period, with each sample weighing at least 200 pounds (Section 17409.5.5).

The gray container waste is handled as follows:

- The three sources of gray container waste (commercial, residential, and gray container type waste from self-haul) are combined and sent to a landfill. This transfer/processing facility receives over 500 tons of gray container waste from at least one jurisdiction annually, so the facility is required to complete a gray container waste evaluation per Section 17409.5.7. The facility must take one sample of gray container waste per quarter, with the sample weighing at least 200 pounds.

The mixed organic waste stream is handled as follows:

- The commercial and self-hauled mixed organic waste are combined and processed at the facility. The processed organics will be sent for further recovery or processing. This material stream is subject to measurement under Section 17409.5.2, so the material must be measured for incompatible material over a 10-day measurement period, with each sample weighing at least 200 pounds.
- After processing these mixed organics waste stream, some of the material will be sent to landfill. This material destined for disposal is subject to measurement per Section 17409.5.3. This means the material must be measured for organics over 10-day measurement period, with each sample weighing at least 200 pounds.

## **Measurement Scenario 2: Transfer/Processor that processes some streams**

The source separated organic green material is handled as follows:

- The residential green waste, commercial organics, and self-hauled green waste are not processed but combined and transferred to a composter or in-vessel digester. This combined material is subject to measurement under Section 17409.5.4 because there is other processing occurring at the facility and the material is being sent directly to a composter or in-vessel digester. This means the material must be measured for incompatible material over a 10-day measurement period, with each sample weighing at least 200 pounds.

The source separated organic recyclable material (blue bin) is handled as follows:

- The commercial and residential blue bin recyclables and self-hauled materials that are typically allowed in the blue bin are processed, and the facility produces separate bales of old corrugated cardboard, mixed paper, and other paper types. These paper bales are subject to measurement under Section 17409.5.4. This means each organic material type must be separately measured for incompatible material over a 10-day measurement period, with each sample weighing at least 200 pounds.
- The recyclables are processed and some of the material will be sent to disposal. Before being sent to disposal, this stream is subject to measurement per Section 17409.5.5. This means the material must be measured for organics over a 10-day measurement period, with each sample weighing at least 200 pounds.

The gray container waste is handled as follows:

- The three sources of gray container waste (commercial, residential, and gray container type waste from self-haul) are combined and sent to a landfill. This transfer/processing facility receives over 500 tons of gray container waste from at least one jurisdiction annually, so the facility is required to complete a gray container waste evaluation per Section 17409.5.7. This



means the facility must take one sample of gray container waste per quarter, with the sample weighing at least 200 pounds.

The mixed organic waste stream is handled as follows:

- The commercial and self-hauled mixed organic waste are combined and processed at the facility. The processed organics will be sent for further recovery or processing. This material stream is subject to measurement under Section 17409.5.2, so the material must be measured for incompatible material over a 10-day measurement period, with each sample weighing at least 200 pounds.
- After processing these mixed organics waste stream, some of the material will be sent to landfill. This material destined for disposal is subject to measurement per Section 17409.5.3. This means the material must be measured for organics over 10-day measurement period, with each sample weighing at least 200 pounds.

### **Measurement Scenario 3: Transfer/Processor that does no processing (Consolidation site)**

The source separated organic green material is handled as follows:

- The residential green waste, commercial organics, and self-haul green waste is not processed but combined and sent to a transfer/processor where measurements will be taken. Therefore, this combined material is not required to be measured.

The source separated organic recyclable material (blue bin) is handled as follows:

- The commercial recyclables, residential recyclables and self-hauled materials that are typically allowed in the blue bin are not processed but combined and sent to a transfer/processor where measurements will be taken. Therefore, this combined material is not required to be measured.

The gray container waste is handled as follows:

- The three sources of gray container waste (commercial, residential, and gray container type waste from self-haul) are combined and sent to a landfill. Because the transfer/processing facility is considered a consolidation site, no gray container waste evaluation is done at the transfer/processor. Also, no waste evaluation is required at the landfill.

The mixed organic waste is handled as follows:

- The commercial and self-hauled mixed organic waste are not processed but combined and sent to a transfer/processor where measurements will be taken. Therefore, this combined material is not required to be measured.

## **Appendix 2: Compost Facility/Operation Measurement Scenario**

In this scenario, the compost facility accepts the following feedstocks:

- Processed green waste from a transfer processor
- Unprocessed green waste from a transfer processor

- Unprocessed green waste that is direct hauled to the facility
- Commercial food waste that is direct hauled to the facility
- Chip and grind material from a transfer processor

All the material is combined and processed. There are three different outputs from the facility:

- Finished product or products
- Material going to a transfer/processing facility
- Material going to disposal

There is no measurement required on the finished products leaving the compost facility. There are also no measurements required on any material sent from the composter to a transfer/processing facility.

Measurements are required on the material destined for disposal, per Section 17867. The material must be measured for organics over a 10-day measurement period, with each sample weighing at least 200 pounds.

## **Appendix 3: In-Vessel Digester Facility/Operation Measurement Scenario**

In this scenario, the in-vessel digestion facility accepts the following feedstocks:

- Food waste from a transfer processor
- Sewage sludge that is direct hauled to the facility
- Manure that is direct hauled to the facility
- Commercial food processing waste that is direct hauled to the facility

All the material is combined and processed. There are four different outputs from the processing:

- Digestate
- Biogas
- Material going to a transfer/processing facility
- Material going to disposal

There are no measurements required on the digestate or biogas leaving the in-vessel digester facility. There are also no measurements required on any material sent from the digester to a transfer/processing facility.

Measurements are required on the material destined for disposal, per Section 17896.44.1. The material must be measured for organics over a 10-day measurement period, with each sample weighing at least 200 pounds.