

# Chip and Grind Facilities

## Compliance First: Evaluation of Solid Waste Facilities' State Standards

Training Provided By:

*California Integrated Waste Management Board (CIWMB)*

# Introduction

- Chip and grind facilities typically process green waste and wood waste. After processing, the material may be used for a variety of purposes including:
  - Composting feedstock
  - Alternative daily cover (ADC)
  - Fuel in a cogeneration plant
  - Landscaping material or groundcover
- These types of facilities provide valuable benefits in regard to diversion, but they are typically noisy and dusty. The most violated standards for these facilities are related to recordkeeping.

# A Multi-step Process

Chip and grind facilities conduct a variety of activities including:

- 1) Receiving
- 2) Processing
- 3) Storing
- 4) Shipping



# Top Violations

- *T14 17869*      *Recordkeeping Sections:*
  - *(b) Special Occurrences*
  - *(c) Public Complaints*
  - *(d) Feedstock and Compost*
  - *(e) Load Checks*
  - *(g) Record of Serious Injuries*
  - *(h) Training Records*

# Special Occurrences

## 14 CCR §Section 17869(b)

- *(b) The operator shall record any special occurrences encountered during operation and methods used to resolve problems arising from these events, including details of all incidents that required implementing emergency procedures.*

# Special Occurrences

- What types of special occurrences should be recorded?
  - Anything requiring the implementation of emergency procedures such as:
    - *Fires*
    - *Injuries or Property damage*
    - *Accidents*
    - *Explosions*
    - *Receipt or rejection of prohibited wastes*
    - *Lack of sufficient No. of personnel*
    - *Flooding or earthquake damage*

# Public Complaints

## 14 CCR §Section 17869(c)

- *(c) The operator shall record any public complaints received by the operator, including:*
  - *(1) the nature of the complaint,*
  - *(2) the date the complaint was received,*
  - *(3) if available, the name, address, and telephone number of the person or persons making the complaint, and*
  - *(4) any actions taken to respond to the complaint.*



# What Triggers a Violation?

- Complaints not recorded or not recorded properly
- Complaints not adequately addressed
- What else?

# Feedstock & Compost

## 14 CCR §Section 17869(d)

- *(d) The operator shall record the quantity and type of feedstock received and quantity of compost and chipped and ground material produced. Agricultural compostable materials handling operations shall maintain records only for compostable material accepted from off-site.*



# Common Feedstock Material

- What are some common types of feedstock and how might they require different handling?



# What Triggers a Violation?

- Changes in feedstock type or quantity not recorded
- Feedstock records not available
- What else?

# Load Checks

## 14 CCR §Section 17869(e)

- *(e) The operator shall record the number of load checks performed and loads rejected.*



# What Triggers a Violation?

- Load check records not available
- Load check records not adequate
- Load check records indicate unacceptable load check procedure/results
- What else?

# Record of Serious Injury

## 14 CCR §Section 17869(g)

- *(g) The operator shall record and retain records of any serious injury to the public occurring on-site and any complaint of adverse health effects to the public attributed to operations. Serious injury means any injury that requires inpatient hospitalization for a period in excess of 24 hours or in which a member of the public suffers a loss of any member of the body or suffers any degree of permanent disfigurement.*



# Training Records

## 14 CCR §Section 17869(h)

- *(h) The operator shall retain a record of training and instruction completed in accordance with section 17867.5.*

According to 17867.5,  
Training must include:

- Physical contaminants
- Haz-mat recognition and screening
- Odor impact management
- Emergency procedures

# Wrap up Questions?

- Any questions on chip and grind facilities?
- How about some examples of what you see out there in the real world?

