

Performance Measures for the Implementation of the Compost General Order

August 15, 2016



PRESENTED BY:

LESLIE GRAVES, PG, CHG – STATE WATER BOARD
EMBER CHRISTENSEN – STATE WATER BOARD



OVERVIEW

2

- Requirements of Resolution No. 2015-0054
- Timeline
- Purpose of this stakeholder meeting
 - Develop implementation / performance measures / actions
- What are performance measures?
- Examples of Land Disposal Program performance measures from the Water Board's Annual Performance Report
- For each proposed goal
 - Finalize strategies
 - Develop implementations / performance measures / actions
- How to keep informed

Resolution No. 2015-0054

3

- Convene interagency work groups with CalRecycle.
- Continue to engage in California Healthy Soils Initiative.
- Develop performance measures related to the implementation of the General Order with compost industry and interested stakeholders.
 - **environmental outcomes**
 - **process-related measures**
 - staff will report to the State Water Board by August 2017 on the performance measures and the status of enrollment and compliance with the General Order

Timeline for Development of Performance Measures

4



Purpose of Stakeholder Meetings: Develop Implementation / Performance Measures / Actions

5

- **Desired outcomes:**
 - Get ideas from persons attending – all ideas will be considered
 - ✦ Not all suggestions will be implemented: some may be beyond the authority of the Water Boards, some may not be supported by funding
 - Refine stakeholder suggestions from June 14 and June 23 meetings

What are Performance Measures?

6

- **Goals**
 - What we want to achieve or end results.
- **Strategies**
 - Describes the specific methods, approaches, means, or courses of action intended to achieve goals and objectives.
- **Performance Measures**
 - How do we know that we reached our goals? Use various tracking tools/mechanisms that will be evaluated and reported. These are measurable levels of performance to be achieved within a specified time period (e.g. targets).

Land Disposal Program Example from the Water Boards' Annual Performance Report - FY 2014-15

7

(example where target was not met)

- **Goal (What We Do)**
 - Protect Water Quality
- **Strategy (How We Are Doing It)**
 - The Water Boards issue permits which contain requirements to minimize impacts to water quality (surface water or groundwater) .
- **Performance Measure (Target)**
 - 9 individual landfill permits will be issued or updated during fiscal year 2014-2015
 - × **Was the Target Met?**
 - 8 individual landfill permits were issued or updated during fiscal year 2014-2015 (89% of target met)

http://www.waterboards.ca.gov/about_us/performance_report_1415/targets/

Implementation of the Compost General Order

Suggested Goals:

8

1. Protect Water Quality
2. Effective and Transparent Communication of Permit Requirements and Compliance Information between Regulators and Stakeholders
3. Promote Diversion of Organic Materials to Composting and Anaerobic Digestion Facilities and Engage in the Healthy Soils Initiative
4. Assess Implementation Costs

Goal #1: Protect Water Quality

9

Strategy:

- 1.1** Evaluate the effectiveness of the General Order in protecting water quality.

Goal #1: Protect Water Quality

10

Implementation / Performance Measures / Actions:

- 1.1**
 - (a)** Report to the State Water Board by August 2017 the compliance approach from each of the enrolled facilities;
 - (b)** Track and report incidences of groundwater impacts;
 - (c)** Track and report water quality monitoring data.

Goal #2: Effective and Transparent Communication of Permit Requirements and Compliance Information between Regulators and Stakeholders 11

Strategies:

- 2.1** Improve permit training and collaboration with regulators and stakeholders.
- 2.2** Coordinate, to the extent legally feasible, compliance and enforcement activities amongst responsible state and local agencies.
- 2.3** Improve online user experience with simplified and clear messaging to make data easier to access.

Goal #2: Effective and Transparent Communication of Permit Requirements and Compliance Information between Regulators and Stakeholders 12

Implementation / Performance Measures / Actions:

- 2.1** (a) State Water Board to provide joint training to regulators and stakeholders for the implementation of the General Order.
- 2.2** (a) Conduct joint facility inspections where applicable and share inspection reports.
(b) Report enforcement actions by responsible state and local agencies to the Office of Enforcement and appropriate agency staff and post completed enforcement actions through state and local agency websites.
- 2.3** (a) Redesign and update the State Water Board compost webpage to improve access and communication of information.

Goal #3: Promote Diversion of Organic Materials to Composting and Anaerobic Digestion Facilities and Engage in the Healthy Soils Initiative 13

Strategies:

- 3.1** Evaluate current regulations, permitting processes, and enforcement authority with state and local agencies on land application of organic material and chip & grind facilities.
- 3.2** Improve current reporting of movement of organic materials through CalRecycle's implementation of Assembly Bill 901 (AB 901).
- 3.3** Permit new composting operations and anaerobic digestion (AD) facilities through streamlined permitting process (via General Order).
- 3.4** Coordinate with other state and local agencies to incentivize and promote the use of compost (e.g. agricultural lands, rangelands, etc.).

Goal #3: Promote Diversion of Organic Materials to Composting and Anaerobic Digestion Facilities and Engage in the Healthy Soils Initiative 14

Implementation / Performance Measures / Actions:

- 3.1** (a) Create pamphlets and provide fact sheets to inform stakeholders on environmental complaint process;
(b) Conduct and track enforcement actions as needed.
- 3.2** (a) Coordinate with CalRecycle to make information more publicly available on organic material movement through the implementation of AB 901 (composting and anaerobic digestion facilities and land application sites).
- 3.3** (a) Track and report to the State Water Board by August 2017 the number of facilities enrolled and information about each facility's compliance approach, plans, issues, and status;

Goal #3: Promote Diversion of Organic Materials to Composting and Anaerobic Digestion Facilities and Engage in the Healthy Soils Initiative

15

Implementation / Performance Measures / Actions (continued):

- 3.3** (b) Utilizing the State Water Board's GeoTracker information system to upload required documents (e.g. Notice of Intent, Technical Reports, monitoring reports, etc.).
- (c) Track and compare the amount of time that it takes to complete the enrollment process for the General Order versus issuance of individual Waste Discharge Requirements.
- 3.4** (a) Report to CalEPA (AB 1045) by January 1, 2017 on recommendations for leveling the playing field between industries (e.g. compost facilities vs. land application, chip and grind facilities, etc.) illegal dumping, number of facilities, how have facilities chosen to comply with the General Order (high cost vs. low cost compliance option), increase of facilities.

Goal #4: Assess Implementation Costs

16

Strategies:

- 4.1** Assess the cost of compliance with the General Order:
- (A) Evaluate the impact of cost of compliance with the General Order on the composting industry;
- (B) Assist the industry to identify sources of funding.
- 4.2** Evaluate approved engineered alternatives and costs.

Goal #4: Assess Implementation Costs

17

Implementation / Performance Measures / Actions:

- 4.1 (a)** Gather and report costs of compliance data from the organics management industry;
- (b)** Track and report if any facilities are closing or reducing/changing feedstock due to specific cost of compliance.
- 4.2 (a)** Gather and report approved engineered alternatives and associated costs from organics management industry.

How to Keep Informed Compost General Order Resources

18

State Water Board's Compost Webpage

- http://www.waterboards.ca.gov/water_issues/programs/compost
 - General Order (with Requirements)
 - Matrix (Requirements Summary)
 - Resolution No. 2015-0054
 - Environmental Impact Report
 - Response to Comments
 - Regional Water Board compost contacts
- Subscribe to the Composting Operations e-mail list
 - http://www.waterboards.ca.gov/resources/email_subscriptions/swrcb_subscribe.shtml



State Water Board Contacts

19

Questions/Comments? Contact us at
composting@waterboards.ca.gov

Leslie Graves
Leslie.Graves@waterboards.ca.gov
(916) 341-5810

Ember Christensen
Ember.Christensen@waterboards.ca.gov
(916) 341-5489