Landfill Guidance: Organic Disposal Reduction Status Impact Report Overview

Operators of solid waste landfills shall submit an Organic Disposal Reduction Status Impact Report (SIR) to CalRecycle that provides an analysis of the potential impacts to the landfill resulting from the implementation of the organic disposal reduction requirements of Public Resources Code (Section 42652.5). The SIR must be prepared by a California licensed civil engineer or licensed engineering geologist.

The SIR must be submitted to CalRecycle no later than January 1, 2023 (one year from the effective date of the regulations implementing SB 1383). A detailed description of the deadlines for approval and any subsequent changes that must be made to the Joint Technical Document are found in the California Code of Regulations [Title 27 Section 21695(d)-(h)]. The graphic below illustrates key deadlines for approval of the SIR.

A landfill that fails to meet the requirements and does not submit the SIR by the deadline may be subject to enforcement by the local enforcement agency.

What is included in the SIR?
The SIR shall describe the potential impacts, including the expected timing of impacts, from the implementation of the organic disposal reduction requirements to the landfill. The analysis shall include, but not be limited to, changes to the following:

1. Site development;
2. Waste types/volumes;
3. Daily and intermediate cover and beneficial use. For intermediate cover the analysis shall also include:
   a. A description and/or map of the area(s) that have or will have intermediate cover.
   b. The length of time that the intermediate cover has been used and expected time that it will be used for each defined area.
   c. A description of how the intermediate cover will be maintained to continue to meet the control criteria of 27 CCR Section 20700(a).
   d. Information on all instantaneous surface readings for methane of 500 ppmv or greater in the area(s) of intermediate cover that has or will be in place for more than 12 months.
      i. This information shall be as reflected in the most recent annual report filed pursuant to 17 CCR Section 95470(b)(3).
      ii. The location of each such exceedance shall be identified consistent with the monitoring requirements of 17 CCR Section 95469(a)(1)(A).

4. Volumetric capacity based on the disposal site experiencing a reduction of organic waste disposal of 50 percent by 2020 and 75 percent by 2025;

5. Waste handling methods;

6. Gas control and monitoring systems;

7. Gas generation;

8. Operation and closure design (individual cells and overall site geometry);

9. Final grading plan;

10. Site life estimate;

11. Ancillary facilities;

12. Cost estimates for closure and postclosure; and

13. Financial assurance mechanisms for closure, postclosure, and non-water corrective action requirements.

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