

AGENDA ITEM 26(f)
July 30/31, 2015 Board Meeting

LATE REVISIONS – 30 July 2015

Item 26, f. Recology Yuba-Sutter and Feather River Organics, Recology Yuba-Sutter Class III Landfill and Composting Facility - Yuba County–
Consideration of revision of Waste Discharge Requirements Permit No. R5-2003-0093.

LATE REVISIONS TO WDRS

Finding 21

Page 7. Edit footnote 1 associated with Finding 21 as follows:

¹ “Consecutive days” later determined to means “up to and including”

Finding 35

Page 10. Add sentence for Finding 35 as follows:

35. The 2 September 2002 *Engineering Feasibility Study* presented the results of the evaluation monitoring and included corrective action alternatives. The report concluded that the low-level VOC impacts to groundwater were limited to the area of well MW-8. The most likely source of impact was determined to be LFG migrating from LF-3. Some elevated inorganic results potentially indicative of LFG influence were also detected in groundwater samples from well MW-11. The primary corrective action recommended in the report targeted source control of LFG in LF-3 by constructing a passive, shallow horizontal interceptor trench, below the cover system and above the base liner system, along the northeast perimeter of LF-3. There have been no detections of VOCs in LF-3 monitoring wells since December 2011.

Finding #94:

Page 26. Modify 6th through 9th sentences of Finding 94 as follows:

However, a review of the well borehole logs for the wells listed above shows that in all the wells except MW-4 the first encountered water level in these wells was always higher than the static water level. This is an indication of an unconfined aquifer condition. Also, the well completion logs show that in all instances, the Discharger installed the well screens below the static water level. Thirdly, the hydrographs for each well indicates that if the Discharger had installed the wells screens at the static water table the Discharger would have spanned the water table including changes in groundwater elevation due to seasonal fluctuations.

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C. WMU LF-1 SPECIFICATIONS

Page 42. Modify Specification C.23 as follows:

23. Post closure operation and maintenance over LF-1, Southern Area, shall be performed as described by the Southern Area Work Plan approved by Central Valley Water Board staff on 29 April 2014 or any approved revisions hereafter. Current post closure maintenance requirements for the Southern Area of LF-1 are:

Page 45. Modify Specification C.23(k)(1) and C.23(k)(2) as follows:

1. The compacted fill, if soil is used, will consist of fines content equal to or greater than the underlying WMU LF-1 soil and shall be compacted to a density equal to or greater than the underlying WMU LF-1 soil. The compacted fill soil used shall meet or exceed Specifications 24.a.3.i-iii in order to assure that~~shall have a~~ hydraulic conductivity does not ~~to~~ exceed 1×10^{-6} cm/sec in unpaved areas over WMU LF-1; and
2. Aggregate base if used as infill material shall exhibit fines content equal to or greater than the underlying aggregate base material ~~and shall have a~~ hydraulic conductivity and shall meet or exceed Specifications 24.a.3.i-iii in order to assure that hydraulic conductivity does not ~~to~~ exceed 1×10^{-6} cm/sec in unpaved areas over WMU LF-1. ~~It shall be compacted to a density equal to or greater than the underlying aggregate base in order to achieve hydraulic conductivity of less than 1×10^{-6} cm/sec in unpaved areas over WMU LF-1.~~

Page 45. Modify Specification C.24 as follows:

24. Maintenance of the LF-1 Compost Area pad will be performed as described by the Compost Area Work Plan as approved by Central Valley Water Board staff on 7 May 2014 or any approved revisions hereafter. Current compost area maintenance requirements for the Compost Area of LF-1 are ~~and shall include~~ the following:

Page 46. Modify Specification C.24(a)(3)(viii) as follows:

- viii. have fully functional lysimeters installed in the compost pad area where the monitoring point is ~~0.5 feet~~ above the waste.

Page 48. Modify Specification C.25(a)(xi) as follows:

- xi. Contingency plan for containing compost wastewater that must be implemented if the compost wastewater containment system is likely to discharge due to

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failure or breakdown of waste handling facilities or containment systems or due to unforeseen weather conditions.

F. FINANCIAL ASSURANCE SPECIFICATIONS

Page 49. Modify Financial Assurance Specifications F.1 as follows:

1. The Discharger shall maintain assurances of financial responsibility with CalRecycle for post-closure maintenance for the landfill in at least the amounts of \$4.7 million or an approved amount by ~~44 January~~ October 2016~~5~~ (see Finding 117), and adjusted for inflation annually. A report regarding financial assurances for post-closure maintenance shall be submitted to the Central Valley Water Board by **1 June of each year**. This may be the same report that is submitted to CalRecycle for this purpose. If CalRecycle determines that either the amount of coverage or the mechanism is inadequate, then within 90 days of notification, the Discharger shall submit an acceptable mechanism to CalRecycle and the Central Valley Water Board for at least the amount of the approved cost estimate.

H. PROVISIONS

Page 58. Modify Provisions H.7.K as follows:

<p>K. Submit an approved revised Post-Closure Maintenance Plan with revised cost estimates and financial assurances: The Discharger shall submit a revised Post-Closure Maintenance Plan for all closed WMUs and post-closure operations with cost estimates and financial assurances that are approved by the appropriate regulatory agencies.</p>	<p>44 January <u>October</u> 201<u>6</u>5</p>
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LATE REVISIONS TO MRP

B. REPORTING

Page 22. Modify Reporting B.8 as follows:

8. **Compost Facility Annual Monitoring and Maintenance Report:** By 1 ~~February~~^{April} of each year, the Discharger shall submit a report describing and containing the results of the compost operations monitoring required by Section A.6 of this MRP and summarizing all monitoring and maintenance activities performed and adverse conditions noted since the prior reporting period with respect to all berms, ditches, working surfaces, sumps, and monitoring systems. As part of the Annual Monitoring and Maintenance Report, the Discharger must certify that the composting operation complies with the requirements of WDRs Order R5-2015-XXXX and this MRP. The report must also include the following:

Page 30. Add Footnote 2 to Table II as follows:

TABLE II

UNSATURATED ZONE DETECTION MONITORING PROGRAM

SOIL-PORE GAS

Monitoring Parameters

Parameter	Geotracker Code	Units	Sampling Frequency	Reporting Frequency
Volatile Organic Compounds ^{1 2} (Use USEPA Method TO-15)	(See Table V)	ug/cm ³	Annual	Annual
Methane	CH4	%	Semiannual	Annual
Carbon Dioxide	CO ₂	%	Semiannual	Annual
Oxygen	OXYGEN	%	Semiannual	Annual

¹ Particularly those VOCs historically detected in LCRS sumps S-1 through S-5 and in groundwater monitoring wells

² The Discharger may prescreen the gas sample to determine if the sample is required to be laboratory analyzed using Method TO-15 by using an approved gas analyzer to establish methane concentrations and an approved Photo Ionization Detector (PID) to establish total VOCs concentrations at the sampling point. If while using an approved sampling and analysis plan procedure the Discharger detects methane concentrations exceeding 1.0 percent by volume OR organic vapors (total VOCs) are detected with a PID at a concentration greater than 1.0 ppm then a gas sample shall be obtained and laboratory analyzed for specific VOCs using EPA Method TO-15. Both the screening results and laboratory analysis results shall be reported. Otherwise, the Discharger shall report the methane and total VOC screening results and no further laboratory analysis is required.