



Central Valley Regional Water Quality Control Board

3 June 2014

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Douglas Daggs, Trustee
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NOTICE
TENTATIVE WASTE DISCHARGE REQUIREMENTS
FOR
CITY OF SACRAMENTO DEPARTMENT OF UTILITIES
SYLVIA DELLAR SURVIVOR'S TRUST
DELLAR LANDFILL
UNCLASSIFIED LANDFILL
CLOSURE, POSTCLOSURE MAINTENANCE,
AND CORRECTIVE ACTION MONITORING
SACRAMENTO COUNTY

TO ALL CONCERNED PERSONS AND AGENCIES:

The Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) will consider adopting waste discharge requirements (WDRs) for the Dellar Landfill at its meeting on 7 and 8 August 2014. The 26-acre, inactive landfill on "A" Street immediately south of the American River and adjacent levee about 1½ mile northeast of downtown Sacramento. The landfill operated from 1957 through 1963, accepting primarily household wastes from the City of Sacramento area. Waste disposal operations consisted primarily of trench fill and the discharge to deep borrow pits. The landfill was constructed without a liner and predates Title 27 regulatory standards for waste containment. No final cover was installed on the landfill after cessation of waste disposal operations in 1963 and the landfill was not maintained thereafter. The inactive landfill subsequently underwent substantial differential settlement, resulting in storm water ponding on the landfill surface and infiltration into landfill wastes.

Groundwater monitoring data for the site shows evidence of an historical release from the landfill, including low to trace concentrations of volatile organic compounds and elevated concentrations of general minerals. One VOC (Chloroform) and at four inorganic constituents (chloride, total dissolved solids, specific conductance, and dissolved iron) exceeded water

KARL E. LONGLEY SgD, P.E., CHAIR | PAMELA C. CREEDON P.E., BCCE, EXECUTIVE OFFICER

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quality objectives in 2013. In 2008, the Central Valley Water Board's Executive Officer issued a Cleanup and Abatement Order ordering that the landfill be closed as a corrective action measure under Title 27 regulations. In 2012, the Discharger installed an engineered soil cover over most of the landfill under a 2011 partial Final Closure and Postclosure Maintenance Plan (FC/PCMP). Two areas requiring approvals/permitting from other agencies were not included in the 2011 partial FC/PCMP, however, including a 35-foot wide strip of the landfill footprint abutting the American River levee on the north side of the site and small areas within the landfill footprint where Elderberry bushes, habitat to the federally-protected Elderberry Beetle, were discovered. It is also unknown whether the landfill is generating landfill gas.

The proposed WDRs prescribe requirements for completing closure of the landfill and conducting landfill postclosure maintenance and corrective action monitoring. The WDRs prescribe a timeline for obtaining required agency approvals for the areas remaining to be closed, conducting a landfill gas investigation, and submission of technical reports. The WDRs require the following technical reports related to landfill monitoring:

	Report	Due Date
a.	A proposed Sample Collection and Analysis Plan per Standard Monitoring Specification I.7, SPRR.	15 September 2014
b.	A work plan for installation of a Point of Compliance monitoring well along the southwestern perimeter of the landfill.	1 October 2014
c.	A well installation report for the monitoring well installed under the above work plan, as approved.	15 December 2014
d.	A work plan for the installation of in situ gas probes to investigate whether the landfill is generating landfill gas and to assess the need for landfill gas controls per Corrective Action Specification D.5.	15 March 2015
e.	A well installation report for the gas probes installed under the above work plan, as approved.	15 June 2015
f.	A Water Quality Protection Standard Report, including updated monitoring data analysis methods per MRP Section C.1.	31 January 2016

As indicated in the above tables, the tentative WDRs require that the Discharger conduct a landfill gas investigation to determine the need for installation of landfill gas controls and soil gas monitoring at the site. An additional groundwater monitoring well is also required for corrective action monitoring. The WDRs specify the following schedule for completing landfill closure:

	Report	Due Date	
		Levee Area	Elderberry Bush Areas
a.	Closure Status Report (e.g., Valley Elderberry Beetle (VELB) delisting; other interested agency permitting/approvals; project schedule; site preparation and construction progress).	Quarterly beginning 30 September 2014	
b.	A revised Final Closure and Postclosure Maintenance Plan (FC/PCMP) per Closure and Postclosure Maintenance Specification E.1.	15 March 2016	
c.	Closure construction plans per Construction Specification F.12.	15 May 2016	15 May 2016
d.	Report showing permits and approvals from other interested agencies	15 June 2016	At least 30 days prior to initiation of project construction
e.	Report showing initiation of project construction	15 July 2016	Within 90 days of VELB delisting
f.	Report showing completion of project construction	15 October 2016	Within 120 of initiation of project construction
g.	Addendums to 2012 Closure Certification Report documenting completion of landfill closure per revised FC/PCMP submitted under b above, as approved.	15 December 2016	Within 60 days of completion of project construction

In addition to the above closure-related items, the WDRs (Closure and Postclosure Specification E.16) require that the Discharger complete an updated topographic survey of the site at least every 5 years consistent with Title 27 regulations and submit a copy to the Board. The first postclosure topographic survey must be completed within 30 days of closure and submitted to the Board by 15 January 2017.

The MRP in the WDRs requires corrective action monitoring of groundwater and detection monitoring of surface water. Monitoring frequencies are generally semiannually for field parameters and monitoring parameters, and every five years for all constituents of concern. Landfill gas and soil gas monitoring are also required, but may be discontinued after a trial period if the results of landfill gas monitoring indicate that the landfill is not generating significant amounts of landfill gas that could threaten or degrade groundwater quality.

The proposed WDRs and the Notice of Public Hearing (NOPH) are available on our website at:

www.waterboards.ca.gov/centralvalley/board_decisions/tentative_orders.

The NOPH contains important information about the public hearing process. Electronic copies of the November 2013 Standard Provisions and Reporting Requirements that would be adopted as part of the WDRs are available at

http://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders

If you do not have access to the Internet or otherwise require paper copies of these documents to be sent to you, please contact John Moody at (916) 464-4641 or by email at john.moody@waterboards.ca.gov. Persons wishing to comment on this matter must submit their testimony, evidence, and/or comments in writing to the attention of John Moody at the Central Valley Water Board no later than 5 p.m. on **3 July 2014**. Written materials received after 5 p.m. on **3 July 2014** will not be accepted and will not be incorporated into the administrative record if doing so would prejudice any party.

If you have any questions, please call John Moody at (916) 464-4641.



Marty Hartzell, PG, CHG
Senior Engineering Geologist
Title 27 Permitting and Mining Unit

Enclosures:

1. Notice of Public Hearing
2. Tentative Order
3. Standard Provisions and Reporting Requirements (November 2013)

cc (w/o enclosures):

Jennifer Norris, Field Supervisor, U.S. Fish & Wildlife Service, Sacramento
Dawn Plantz; Closed, Illegal, & Abandoned Sites; CalRecycle, Sacramento
Diane Nordstrom-Lamkin, Closure & Technical Support, CalRecycle, Sacramento
Kelvin Yamada, Environmental Management Branch, Department of Public Health, Sacramento
Richard Hinrichs, Drinking Water Program, Department of Public Health, Redding
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