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## Central Valley Regional Water Quality Control Board

12 September 2013

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### ***SITE INSPECTION REPORT, RECOLOGY YUBA SUTTER LANDFILL, YUBA COUNTY***

Central Valley Water Board staff conducted a site inspection of the Recology Yuba Sutter Landfill on 7 August 2013. This facility is regulated by Waste Discharge Requirements (WDRs) Order R5-2003-0093 and Cleanup and Abatement Order (CAO) R5-2013-0704. The purpose of the site inspection was to observe progress of corrective action measures proposed by Recology, Inc. that are intended to address final cover deficiencies of Waste Management Unit LF-1 and the collection of landfill gas (LFG).

Staff walked the drive paths of LF-1 through the metal yard (Photos 1 – 3) where storm water ponding had been observed during previous inspections. This area is extensively used to store white goods, scrap metal, and debris boxes and the area is subject to heavy truck traffic throughout the year. The main area of concern focuses on the lack of drainage. The area is flat, with little grade and has settled with time. During this site inspection, it appeared the Discharger is attempting to fill the settled areas with a Class II Road Base. However, this material does not appear to have sufficient fines to create a barrier to percolation through the final cover of LF-1.

During this site inspection staff observed excavation for the installation of piping (Photos 4 and 5) for connection to the LFG system. This is an expansion of the system into LF-1 where methane has been detected within and beyond the boundary of LF-1. As shown in the Photos, progress with the installation was being made.

Staff also inspected the Compost Area with specific focus on the efforts to recondition the operations pad. As shown in Photos 6 and 7, the Discharger has built up a section of the pad where future composting will take place. The pad was reconditioned to specifications recommended by the Discharger's consultant and based on this site inspection, appears to contain a significant amount of fines. The information regarding construction specifications has not been provided to staff for review.

In summary, the area of concern noted during this site inspection is the southern portion of LF-1 where ponding water has been observed by staff during past inspections. Furthermore, the use of Class II Road Base to fill locations that have settled does not appear to have the proper amount of fines to prevent storm water from infiltrating the final cover.

CIWQS SIID #13689798

However, in an email dated 30 August 2013 the Discharger has acknowledged staff's concerns and has proposed to take additional steps to address the southern portion of LF-1. The issues noted above are also being addressed by the Discharger through a Cleanup and Abatement Order R5-2013-0704 issued on 29 August 2013. The first report is due **31 October 2013**.

Staff looks forward to the required submittals. Please call me directly at 916-464-4737 if you have any questions.

TODD A. DEL FRATE, P.G  
Engineering Geologist  
WDRs Compliance and Enforcement

Enclosure: Site Inspection Photo Log

cc: Paul Donoho, Yuba County Division of Environmental Health, Marysville, CA

## Site Inspection Photo Log

9 August 2013



Photo 1: Southern area of LF-1 cover that recently received additional class II road base to repair settlement and grading issues at this location. Note loose gravel on drive path.



Photo 2: Looking southwest across southern portion of LF-1. Note area has been filled with class II road base and appears to be flat with little grade for drainage.



Photo 3: Looking southwest across southern portion of LF-1. Note area has been filled with class II base rock to address settlement. Landfill area is used to store debris boxes and is regularly driven on with heavy vehicles.



Photo 4: Trench for LFG system header pipe extension into LF-1.



Photo 5: Lateral trench for LFG extraction well. Sidewall of trench revealed several asphalt or concrete layers indicating repair work over time. Refuse was observed in the sidewalls of the trench. Loose litter can be seen in this photo.



Photo 6: Reconstructed operations pad, northern end of compost operation.



Photo 7: Looking northwest across reconstructed compost operations pad graded to drain to far corner. The operations pad was compacted, conditioned, and dense creating a hard working surface.