

Central Valley Regional Water Quality Control Board

4 September 2014

Bill Zimmerman
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Western Placer Waste Management Authority
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APPROVED	
author	_____
senior	_____

INSPECTION REPORT, WESTERN REGIONAL SANITARY LANDFILL, PLACER COUNTY

The Western Regional Sanitary Landfill (Site) is regulated by Waste Discharge Requirements (WDRs) Order R5-2007-0047. On 14 August 2014, Central Valley Water Board staff (hereafter Board staff) met Keith Schmidt with the Western Placer Waste Management Authority to conduct an inspection of the Site.

The primary focus of the inspection was the Site's composting operations; however, Board staff also toured the Site's Material Recovery Facility, observed the operating face of the landfill, and inspected the outer slopes of both the Site's closed and active waste management modules.

No specific violations were observed during this inspection. However, select stormwater down-drains located along the eastern side of the Site, near the top of the waste modules, appeared to have come apart. Additionally, the unlined perimeter stormwater culverts have become heavily vegetated. The vegetation within the culverts should be trimmed and the down-drains repaired before **15 October 2014**. These noted issues are to be addressed as part of your WDRs required annual Facility Inspection, with a report documenting all potential Site winterization issues and their repair submitted by **15 November 2014**.

Another area of concern noted during this inspection is the location of the northern unlined landfill industrial stormwater retention pond. This pond is located immediately upgradient of unlined waste Module 1, which likely contains waste to the Site's originally permitted depth of 42 feet below ground surface. Given the proximity of this stormwater pond to waste Module 1, stormwater infiltrating through the base of this northern stormwater pond may be flowing through waste in Module 1 as it migrates to groundwater. With a southwesterly groundwater flow direction, the leachate generated by stormwater flowing through waste Module 1 would then migrate towards VOC impacted wells MW-5, MW-9, and MW-10. To reduce this potential leachate generating source, the location and/or design of the northern stormwater retention pond should be re-evaluated to prevent percolation and to comply with Section 20365(a) of Title 27.

If you have any question regarding this inspection or the Site in general, please contact me at 916-464-4817 or via e-mail at paul.sanders@waterboards.ca.gov.

Original signed by

PAUL SANDERS, P.G.
Engineering Geologist
WDR Compliance and Enforcement Unit

Enclosure: 14 August 2014 Inspection Report

cc: Paul Halloway, Placer County Environmental Health Department, Auburn
Keith Schmidt, Western Placer Waste Management Authority, Roseville
Thomas Field, Tetra Tech Bas, Diamond Bar

CIWQS Inspection ID: 17546190

CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

INSPECTION REPORT

DATE: 14 August 2014

LOCATION & COUNTY: Western Regional Sanitary Landfill, Placer County

CONTACT(S): Keith Schmidt, Western Placer Waste Management Authority

INSPECTION DATE: 14 August 2014

INSPECTED BY: Paul Sanders, Wendy Wyels, Howard Hold, and Andrew Altevogt (RWQCB)

ACCOMPANIED BY: Keith Schmidt, Western Placer, Waste Management Authority

OBSERVATIONS AND COMMENTS

The Western Regional Sanitary Landfill (Site) is an active sanitary landfill located about 5.5 miles north-northeast of the City of Roseville in Placer County at the corner of Athens Ave. and Fiddymment Rd. The facility is operated by the Western Placer Waste Management Authority, which is a joint powers entity, run by Placer County staff. The facility is regulated under Waste Discharge Requirements (WDRs) Order R5-2007-0047.

In addition to standard landfill operations, a Material Recovery Facility (MRF), two large scale open air composting units, and a methane power generating plant are operated at the Site.

The MRF has a separate industrial stormwater permit from the landfill itself, and as seen in Figure 1, the stormwater retention basin for the MRF has recently been expanded.

Just south of the MRF stormwater pond is one of the Site's two composting process and stormwater retention ponds, Figure 2. The pond in Figure 2 is the Site's older unlined northern composting pond, and all stormwater and process water generated across both the: 1) original concrete lined composting area and 2) green and wood waste processing area, drain into this pond. An accumulation of sediment is visible along the south end of the pond and heavy vegetation covers the northern half of the pond. The northern (old) composting pad and process area can also be seen in Figure 2, just beyond the northern pond.

Figures 3 and 4 show sections of the new southern composting area, and Figure 5 shows the sedimentation basin for the new southern composting area process and stormwater retention pond. Figure 6 shows the new southern composting area pond itself. According to Mr. Schmitz, this southern composting area pond was being drained, so that it could be expanded this summer. This pond expansion project is scheduled for completion in October 2014. Mr. Schmitz also stated that water can be transferred from the new composting area pond to the old composting area pond; however, water cannot be transferred the other way. Figure 7 shows how water is transferred between ponds, primarily through gravity flow across concert pads, although at the time of this inspection, the water shown in Figure 7 was stated to be fresh water, not water from the new southern area pond.

Figures 8 and 9 show the operating face of the landfill, which is currently located near the northern end of the Site; Modules 14, 15, and 16. Figure 10, which is taken looking north from atop Module 14, shows part of what will be the 2014/2015 winter pad, and the vegetative cover atop some of the eastern landfill modules.

A drive along the outside perimeter of the Site's waste modules showed that the cover along most of the Site's waste modules was well graded with good vegetative cover, and that stormwater down-drains were in place to help prevent erosion.

However, sections of the plastic stormwater down-drains along the eastern side of the Site, near the top of the modules, appeared to have separated. Additionally, the unlined perimeter storm water culverts around the outside perimeter of the Site's waste Modules were heavily vegetated. The vegetation within the culverts should be trimmed and the down-drains repaired before the onset of the 2014/2015 winter season.

SUMMARY:

No specific violations were observed during this inspection. However, the WDRs required annual Facility Inspection must address the trimming of vegetation within the perimeter stormwater culverts and the repair of the damaged stormwater down-drains along the eastern side of the Site. All stormwater related repairs and preparation work must be complete before **15 October 2014**.

Original signed by

PAUL SANDERS, P.G.
Engineering Geologist
Title 27 Compliance and Enforcement

CIWQS Inspection ID: 17546190

APPROVED:		
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Figure 1

Looking southeast across the MRF industrial stormwater pond. The yellow arrow points to the northern (old) composting process and stormwater retention pond, as seen in Figure 2.



Figure 2

Looking southeast across the northern (old) composting process and stormwater retention pond. The yellow arrow points to the northern (old) composting pad, located just south of the pond, and the red arrow points to the northern (old) composting processing area, located just east of the pond.



Figure 3

Looking south across the new southern composting pad. The yellow arrow points to the composting process and stormwater retention pond for the southern (new) composting pad.



Figure 4

Standing near the southwestern corner of the southern (new) composting pad, looking northeast across the pad. The yellow arrows point to the wood and green waste processing area located just north of the southern composting pad.



Figure 5

Standing in the same location as Figure 4, but looking northwest across the sedimentation basin for the southern (new) composting pad. The yellow arrow points to the southern composting process area stormwater retention pond as seen in Figure 6.



Figure 6

Looking northwest across the southern (new) composting area process and stormwater retention pond. After flowing through the sedimentation as seen in Figure 5, all composting process and stormwater from the southern (new) composting area flows into this lined pond.



Figure 7

Looking east across the green and wood waste processing area at how water is transferred between the two composting process and stormwater retention ponds. The southern (new) composting pad is located to the right of this photo, and the northern (old) composting pad is located to the left of this photo.



Figure 8

Looking east at the active working face of the landfill.



Figure 9
Looking north at the active working face of the landfill.



Figure 10
Standing atop a portion of what will be the 2014/2015 winter pad, atop Module 14, looking north across the crest of the eastern landfill modules.