

INFORMATION SHEET

ORDER NO. R5-2018-00XX

AMADOR COUNTY

BUENA VISTA LANDFILL

CLASS II AND CLASS III LANDFILL POST-CLOSURE MAINTENANCE, CLASS II SURFACE IMPOUNDMENT OPERATION AND MAINTENANCE, AND CORRECTIVE ACTION

AMADOR COUNTY

Amador County (the Discharger) owns and operates the Buena Vista Landfill (Facility), a closed municipal solid waste landfill, located approximately three miles south of Lone and one-half north of Buena Vista. The Facility consists of one unlined Class III landfill Waste Management Unit (WMU), two lined Class II landfill WMUs and one Class II surface impoundment. The Phase I landfill WMU is classified as Class III WMU, and Phase II and III landfill WMUs are classified as Class II WMUs. The landfill WMUs were closed and no longer accept waste. The Class II surface impoundment continues to receive leachate and landfill gas condensate from the landfill WMUs and groundwater from the groundwater extraction trench. Based on the threat and complexity of the discharge, the facility was classified as 1B.

The groundwater impacts from the Phase I landfill WMU leachate were first discovered in 1987, and in 2001 it was determined that the landfill gas was also contributing to the groundwater impacts. The Discharger implemented the corrective action program in response to the release from the Phase I landfill WMU and the corrective actions are:

- a. Operation of a groundwater extraction trench down-gradient from the Phase I landfill WMU to collect VOC impacted groundwater;
- b. Extraction of leachate and LFG from eleven leachate and/or LFG extraction wells in Phase I landfill WMU to control the migration of leachate and LFG;
- c. Maintenance of landfill cover to limit infiltration into the landfill; and,
- d. Operation and maintenance of leachate collection trenches on the Phase I landfill WMU to remove leachate that seeps out of the landfill cover.

The Class II surface impoundment, which was constructed in 1992, was not originally sized to handle the entire volume of liquid currently estimated to be delivered in extremely wet years. An enhanced evaporative spray field system was installed at the Class II surface impoundment to improve the evaporation rate in 2012. However, during heavy rain events when the Class II surface impoundment reached its capacity, the Discharger has pumped and hauled excess liquid from the Class II surface impoundment for off-site disposal and the groundwater extraction was ceased for a short period of time until a temporary storage tank was delivered to the Facility.

These Waste Discharge Requirements prescribe post-closure maintenance requirements for the three solid waste landfill WMUs and operational and maintenance requirements for the Class II surface impoundment. The revision of the WDRs includes, but is not limited to:

- Updates to Facility's threat to water quality (TTWQ) and complexity (CPLX) rating;

- Requirements for the Class II surface impoundment operation and maintenance;
- Updates to the corrective action plan, and requirements for corrective actions operation, maintenance and their performance;
- Revisions to detection monitoring program; and
- Updates to financial assurances.

The facility's threat and complexity classification is adjusted to 2B in this WDRs considering the factors: closed landfill WMUs and active Class II surface impoundment with an evaporative spray field, and impacted groundwater and corrective actions.

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