

## INFORMATION SHEET

CALAVERAS COUNTY DEPARTMENT OF PUBLIC WORKS  
ROCK CREEK SOLID WASTE FACILITY  
CLASS II LANDFILL  
CLASS II SURFACE IMPOUNDMENT  
CONSTRUCTION, OPERATION, CLOSURE, AND POST-CLOSURE MAINTENANCE  
CALAVERAS COUNTY

Calaveras County Department of Public Works (hereafter Discharger) owns and operates the Rock Creek Solid Waste Facility (facility), a solid waste landfill about one mile east of Milton. The facility is located on an approximately 200-acre property at 12021 Hunt Road, Milton, California. The existing and future landfill area is approximately 57 acres of which 20 acres have been constructed (lined) for the discharge of non-hazardous and designated wastes. The facility consists of existing and future lined Class II landfill units divided by “phases” and a Class II surface impoundment for leachate collection. The facility is permitted to receive up to 500 tons of waste per day.

The facility is in the lower foothills of the Sierra Nevada mountains between elevation 300 at the south end of the property and elevation 520 at the north ridge of the canyon head on the north property line. The main feature at the site is the north-south canyon which includes the permitted landfill area. The drainage shed for the canyon is contained entirely on the property. There is a seasonal creek that flows to the south before exiting the site near Rock Creek Road.

The facility receives an average of 19.42 inches of precipitation per year as measured at the New Hogan Dam between the years of 1959 and 1986. The mean evaporation for this facility is 75 inches per year as measured at the New Hogan Dam between the years 1968 and 1985. Based on these data, average annual net evaporation at the facility is 56 inches.

The landfill is comprised of four phases as shown on Attachment B of this Order. Phases I and II have been constructed, and Phases III and IV are future expansion areas. The existing and future landfill units and the Class II surface impoundment are described as follows:

<b><u>Unit</u></b>	<b><u>Area</u></b>	<b><u>Liner Description (bottom to top)</u></b>	<b><u>Status</u></b>
Phase I-A	5.67 acres	24 inches of compacted clay overlain with a vapor barrier and blanket leachate collection and removal system (LCRS).	No longer accepting waste. To be closed with the final cover design approved in this Order.
Phase I-B	3.45 acres	24 inches compacted clay, 60-mil high-density polyethylene (HDPE), one foot thick blanket LCRS.	Not currently accepting waste. Most of unit to be closed with the final cover design approved in this Order, except for south end adjacent to Phase II-A.

<u>Unit</u>	<u>Area</u>	<u>Liner Description (bottom to top)</u>	<u>Status</u>
Phase II-A	4.98 acres	GCL, 60 mil HDPE and one foot thick blanket LCRS. A secondary composite liner and LCRS are beneath the central portions of the Phase II-A of the LCRS.	Existing unit accepting waste.
Phase II-B	5.71 acres	One foot thick prepared subgrade with maximum hydraulic conductivity of $1 \times 10^{-5}$ cm/s, 60-mil HDPE geomembrane, geocomposite drainage layer, GCL, 60 mil HDPE geomembrane, 9-inch thick gravel LCRS, 8 oz. non-woven geotextile filter, 15-inch thick operations layer.	Existing unit accepting waste.
Phase III	24.59 acres	Same liner system design as Phase II-B.	Future phase
Phase IV	12.43 acres	Same liner system design as Phase II-B.	Future phase
Class II Surface Impoundment	0.70 acres	GCL, 60-mil HDPE geomembrane, LCRS, 60-mil HDPE geomembrane.	Existing unit accepting leachate from the Class II landfill units.

The Discharger proposes to continue to discharge municipal solid waste, ash, sewage treatment plant sludge, petroleum contaminated soil, and miscellaneous contaminated materials in the existing and future Class II landfill units, as shown on Attachment B. These wastes are classified as inert waste, nonhazardous solid waste, or designated waste, using the criteria set forth in Title 27 CCR Section 20164.

The existing groundwater monitoring network for the Phase I and II landfill units and the Class II surface impoundment consists of "background" monitoring wells U-1 and U-2, and compliance monitoring wells D-1, D-4, D-8 through D-12, and HP-3. Monitoring well D-9 is located downgradient from the surface impoundment.

On 1 November 2010, the Discharger submitted an amended Report of Waste Discharge consisting of an 18 October 2010 *Phase I Partial Final Closure and Postclosure Maintenance Plan* for the closure of the Phase I-A and Phase I-B areas at the landfill. Approval of the closure and post-closure maintenance plan requires revision of the waste discharge requirements (WDRs) to approve the proposed final cover design. The

Discharger proposed an engineered alternative final cover consisting of, from bottom to top, the following layers:

- a. 18-inch thick soil foundation layer.
- b. 40-mil linear low density polyethylene (LLDPE) geomembrane, textured on both sides.
- c. Geocomposite drainage layer.
- d. 18-inch thick soil vegetative/erosion resistant layer.

The Discharger included the necessary engineered alternative demonstrations required by Title 27, California Code of Regulations. This Order approves the proposed final cover components for closure of the Phase I-A and Phase I-B areas and future closure phases for the landfill; however, design documents for future phases must be submitted for review and approval to verify they are in compliance with Title 27 and this Order.

Site drainage is to Rock Creek which flows into Littlejohns Creek, a tributary of the San Joaquin River and the Sacramento-San Joaquin Delta.

WLB