

## INFORMATION SHEET

ORDER NO. R5-2014-XXXX

### WASTE DISCHARGE REQUIREMENTS For SIERRA PACIFIC INDUSTRIES-MARTEL DIVISION FACILITY CLOSURE, AND POST CLOSURE OPERATION, MAINTENANCE AND MONITORING AMADOR COUNTY

#### Background

Sierra Pacific Industries, Martell Division, (Discharger) owns, or owned, a 242-acre former lumber mill located in Martell, California, in Amador County. The facility includes a former Ash Disposal Area covering approximately 5.3 acres, a Class III Wood Waste Landfill covering approximately 15.6 acres, and an unlined leachate basin of approximately 2.5 acres, located on the southern boundary of the property.

These facilities were previously regulated by Waste Discharge Requirements (WDR) Order No. R5-2009-0110, which permitted closure-in-place of the ash disposal area, and clean closure of the wood waste landfill. WDR Order No. R5-2009-0110 required that the clean closure of the wood waste landfill be completed by 2021 and that closure date is continued in these WDRs. This Order requires that the Leachate Basin shall be closed shortly thereafter. The Ash Disposal Area was closed in the year 2012.

#### Ash Disposal Area

The approximate combined volume of waste and soil in the ash disposal area is 80,000 cubic yards. In the 18 May 1999 Waste Characterization Report, the Discharger reported all samples taken at the ash disposal area contained concentrations of dioxins/furans which exceeded the EPA Industrial Regional Screening Levels. At the request of the Amador County, the ash disposal area was covered with an interim 1-foot clean soil cap, and reseeded to mitigate erosion.

On 12 December 2008 the Discharger submitted a revised Report of Waste Discharge (ROWD) for the facility. The closure plan includes capping the area with an engineered alternative; diverting, repairing and upgrading the drainage courses; and installing interception drains to maintain a minimum separation of five feet between groundwater and the bottom of the waste pile. Because of some technical issues a *Revised Final Post-Closure Maintenance and Monitoring Plan for Ash Disposal Area – 20 September 2012* was submitted and Board staff concurred with the plan. Closure was completed in 2012.

#### Wood Waste Landfill

The discharger is currently performing clean closure of the wood waste landfill under WDR Order No. R5-2009-0110. Since 2007, the Discharger has clean closed approximately 9.93 acres of the 27 acre Wood Waste Landfill, and performed confirmation sampling and inspections in order to document that the wood waste has been removed down to native soil.

This Order requires that the Discharger complete the Wood Waste Landfill closure activities by 2021.

This Order also requires that the Discharger perform a survey of the remaining wood waste volume; clean close the landfill at a rate of a three year average of 55,000 cubic yards per year; and submit verification of clean closure of the entire wood waste landfill.

### **Leachate Basin**

The Leachate Basin is located adjacent to the northwest toe of the Wood Waste Landfill and down gradient of the Ash Disposal Area. Leachate from the Wood Waste Landfill, run-off from the Ash Disposal Area, and sediment from the Ash Disposal Area, have discharged into the Leachate Basin. The Discharger states that currently only leachate from the Wood Waste Landfill, seeps, and groundwater discharge into the Leachate Basin. Groundwater monitoring well B-14, a corrective action monitoring well, is hydraulically down gradient of the Leachate Basin, and extends through the uppermost aquifer. As reported by the Discharger, head gradient between the leachate basin and monitoring well B-14 consistently indicates that well B-14 is in hydraulic communication with the Leachate Basin and it appears groundwater flows into it. These WDRs require that the Leachate Basin will be closed after the Wood Waste Landfill is clean-closed.

### **Monitoring and Reporting Program**

This Order includes a monitoring and reporting program which will begin by March 2014. Monitoring required in Title 27 for evaluation, detection and corrective action will include groundwater sampling, surface water sampling, sampling of the leachate basin, and sampling of leachate within the drainage course prior to reaching the leachate basin. In addition, prior to the anticipated rainy season, the Discharger must conduct a facility inspection to assess the condition of the monitoring system. Reporting must be made both semi-annually and annually.