

EXECUTIVE OFFICER SUMMARY REPORT  
December 16, 2009

- ITEM: 6
- SUBJECT: Waste Discharge Requirements: Orange Grove Energy, LP C/O J-Power USA Development Co., Ltd., Orange Grove Power Plant, San Diego County (Requirements for the use of recycled water for cooling tower makeup water, toilet flushing, and irrigation of landscaping and for the discharge of domestic wastewater) (Tentative Order No. R9-2009-0110) (*Cathryn Henning*)
- PURPOSE: To adopt waste discharge requirements for the storage and discharge of wastewater and water reclamation requirements for the use of disinfected tertiary recycled water.
- PUBLIC NOTICE: Notification of this action was posted on the Regional Board web page on November 12, 2009. This action satisfies the public notification requirements of California Water Code, Division 7 section 13167.5 for a 30 day notice.
- DISCUSSION: Tentative Order No. R9-2009-0110 prescribes water reclamation requirements for the use and discharge of disinfected tertiary recycled water and waste discharge requirements for the storage and disposal of wastewater at the Orange Grove Power Plant (Power Plant), owned and operated by Orange Grove Power, LP (Discharger). The Power Plant is a 96 megawatt peaking power plant located along State Route 76, 2 miles east of the community of Pala.
- Disinfected tertiary recycled water will be trucked to the Power Plant from the Fallbrook Public Utilities District and stored in a recycled water storage tank. Recycled water will be pumped from this tank for landscape irrigation, toilet flushing, and cooling tower supply water. Fresh water will also be trucked to the Power Plant for use in the fire suppression system and demineralizer system.
- The only water discharged from the Power Plant onsite will be from the irrigation system and conventional septic tank system. All other water supplied to the Power Plant will be reused internally, injected into the combustion turbines, or collected in oily drain tanks for offsite disposal.

Discharge Specifications established in the tentative Order are for the protection of groundwater resources in the Pala Hydrologic Subarea. The California Department of Public Health (CDPH) has not yet issued recommendations on the project for the protection of public health. The tentative Order, therefore, requires the Discharger to submit a complete Title 22 engineering report and comply with recommendations provided by the CDPH prior to receiving recycled water at the Power Plant.

The errata sheet (Supporting Document No. 3) includes revisions to strengthen and clarify the requirement for an Irrigation Management Plan.

To date, the Regional Board has not received public comments regarding this item.

KEY ISSUES:

1. The tentative Order prescribes water reclamation requirements and waste discharge requirements.
2. The Discharger is required to comply with CDPH comments and recommendations for the protection of public health.

LEGAL CONCERNS:

None

SIGNIFICANT  
CHANGES:

Not applicable.

SUPPORTING  
DOCUMENTS:

1. Tentative Order No. R9-2009-0110
2. Information Sheet for tentative Order No. R9-2009-0110
3. Errata Sheet for tentative Order No. R9-2009-0110

RECOMMENDATION:

Adoption of tentative Order No. R9-2009-0110

Supporting Document No. 1

Tentative Order No. R9-2009-0110

Supporting Document No. 2

Information Sheet for  
Tentative Order No. R9-2009-0110

Supporting Document No. 3

Errata Sheet for  
Tentative Order No. R9-2009-0110