

ITEM: 10

SUBJECT: Burney Forest Power, Shasta County

BOARD ACTION: *Consideration of NPDES Permit Renewal*

BACKGROUND: Burney Forest Power sawmill and cogeneration plant (hereinafter Facility) is owned and operated by separate entities. The cogeneration plant is owned by Burney Forest Products, a joint venture, dba Burney Forest Power. A fruit grower Supply Company owns the cogeneration plant and sawmills property and Burney Forest Products leases the property from Fruit growers Supply Company. Shasta Green, Inc. owns and operates a sawmill located on the property and sub leases the property from Burney Forest Products. Together Burney Forest Products, Shasta Green, Inc., and Fruit growers Supply Company are collectively designated as the Discharger. The Facility discharges storm water to Canyon Creek, a tributary to Burney Creek and the Pit River.

The cogeneration plant consists of a wood fuel storage area, boiler, generator, transmission system, cooling tower, equipment fueling and maintenance, aboveground petroleum storage, chemical, and waste storage, paved and unpaved roadways, laboratory, and office. The primary fuel source for the cogeneration plant is wood waste from the sawmill and off-site sources; natural gas is used as a supplementary fuel for startup and flame stabilization for the cogeneration plant's boilers. Cogeneration process waste water is contained onsite in a lined pond.

The Facility sawmill operation consists of log scaling, wet and dry log storage, mechanical log debarking, sawmill, planning mill, kilns, lumber storage, aboveground petroleum storage areas, equipment fueling and maintenance, paved and unpaved roadways, and an office. Wood waste from the sawmill is delivered to the cogeneration power plant by conveyor.

First flush process water from the log deck sprinkling operation is retained onsite in a lined pond. Subsequent storm water runoff from the log deck area, and general industrial storm water from the rest of the site, is discharged from a storm water retention pond at Discharge Point SW-001 to Canyon Creek, a water of the United States, a tributary to Burney Creek in the Sacramento River Basin.

Storm water discharges could be regulated under the existing State Water Board general industrial storm water permit (Order No. 97-03-DWQ, NPDES No. CAS000001). However, due to the complexity of the Facility, and the specific threat to water quality from log deck

discharges, the Regional Water Board has elected to regulate this Facility with an individual NPDES permit

Storm water effluent limits are included for pH, settleable solids, and acute toxicity. The effluent limits are consistent with the effluent limits in the previous Order. Storm water benchmark values for COD, EC, and iron have been included to evaluate the effectiveness of storm water pollution control measures. The storm water benchmark values are not effluent limits. Applicable water quality objectives and criteria have been implemented as receiving water limitations, and are also utilized as benchmark values to evaluate the effectiveness of Best Management Practices.

ISSUES

Comments were received from the Discharger. The main areas of comment were about the storm water discharge monitoring location and sampling logistics related to obtaining the first post-dry season discharge from the storm water retention basin. Staff made changes in response to some of the comments. Staff's response to comments and permit revisions are included with this agenda item. The Discharger is not contesting the proposed order.

RECOMMENDATION: Adopt the proposed Order.

Mgmt. Review_BJS_____

Legal Review_____

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