



California Regional Water Quality Control Board

Central Valley Region



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11 May 2004

Pete Blasquez, Operations Manager
Super Store Industries
16888 McKinley Ave., P.O. Box 549
Lathrop, CA 95330

NOTICE OF APPLICABILITY

WATER QUALITY ORDER NO. 2003-0003-DWQ-0002 , GENERAL WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES TO LAND WITH A LOW THREAT TO WATER QUALITY, SUPER STORE INDUSTRIES, ICE MAKING OPERATION WASTEWATER DISCHARGE, SAN JOAQUIN COUNTY

Super Store Industries, hereafter known as “Discharger”, owns and operates a dry grocery and frozen foods distribution center. As part of this operation, the Discharger also produces ice for sale. During the ice making operation, approximately 35% of the ice making water is wasted in order to maintain quality control. The wastewater currently is discharged to the City of Lathrop sewer system, but the Discharger has proposed to begin discharging the bulk of the ice making wastewater on site. The Discharger submitted a Report of Waste Discharge (RWD) on 20 June 2003 for the discharge of the wastewater to land, and subsequently submitted additional information on 8 July 2003 and 5 February 2004.

Based on the information provided, staff has determined that this project meets the conditions for approval under the enclosed State Water Resources Control Board (State Board) Water Quality Order No. 2003-0003-DWQ, *Statewide General Waste Discharge Requirements (WDRs) for Discharges to Land with a Low Threat to Water Quality* (General WDRs). All the requirements contained within the General WDRs which are applicable to “Miscellaneous Cooling Water Discharges” apply to your discharge. You are hereby assigned General Order No. 2003-0003-DWQ-0002 for the discharge of ice making blowdown wastewater.

PROJECT LOCATION AND DESCRIPTION

The facility is on Assessor’s Parcel Number 198-160-04-11 in Lathrop near the intersection of McKinley and Louise Avenues in San Joaquin County. The site consists of approximately 106 acres, with about 50% occupied by buildings and concrete paving.

Ice is made in four tubular ice-making machines. Prior to introduction into the ice makers, the supply water is filtered and disinfected in an ultraviolet unit. The ice making process generates two waste streams: blowdown water and residual melting water. The blowdown water is the 35% of process water that must be wasted in order to maintain an acceptable total dissolved solids (TDS) level in the ice. The

California Environmental Protection Agency

residual melting water is generated in the ice conveying and bagging operation. The Discharger plans to continue discharging the residual melting water to the City of Lathrop wastewater system, but to begin discharging the blowdown water to the on-site disposal area.

The blowdown water was sampled in November 2002 and April 2003. The results of those sampling episodes indicate the primary constituents of concern in the wastewater are TDS and electrical conductivity (EC). The average TDS concentration in the two samples of blowdown water was 540 mg/l, while the average EC concentration was 673 umhos/cm. On 13 January 2004, samples were collected from the first encountered groundwater underlying the proposed disposal area at three separate locations by means of a Geoprobe. The first encountered groundwater was found at approximately 20 feet below ground surface. All samples were analyzed for TDS and EC; the results indicated an average groundwater TDS concentration of 680 mg/l, with a range of 530 mg/l to 880 mg/l. The average EC concentration was 1088 umhos/cm, with a range of 853 umhos/cm to 1430 umhos/cm. Based on the data submitted by the Discharger, the blowdown wastewater is of higher quality than the underlying groundwater.

The average volume of blowdown water to be discharged to land is projected to be approximately 13,000 gallons per day (gpd), with a maximum discharge of 17,500 gpd. The blowdown water will be discharged via a 2-inch pipeline and concrete lined ditch to an approximately 2.5 acre leveled disposal area. The disposal area will be subdivided into three separate areas by irrigation checks. Applications will be made to one area each day, providing two days of rest between each application. The Discharger will plant grass in the disposal area to provide some constituent uptake and reduce the potential for salt migration.

Surface water drainage from the project is to the Sacramento-San Joaquin Delta. The beneficial uses of the Sacramento-San Joaquin Delta are municipal and domestic supply; agricultural supply; industrial process supply; industrial service supply; water contact recreation, non-contact water recreation; warm and cold freshwater habitat; migration of aquatic organisms; spawning, reproduction, and/or early development; wildlife habitat; and navigation. The beneficial uses of groundwater underlying the site are municipal and domestic supply; agricultural supply; industrial process supply; and industrial service supply.

FACILITY-SPECIFIC REQUIREMENTS

1. The system shall be operated and discharge conducted in accordance with the Discharger's submittals (RWD and additional information) and the requirements contained in the General Order.
2. Discharge of wastewater at a location or in a manner different from that described in the RWD or in the *Project Location and Description* section of this Notice of Applicability is prohibited.
3. The Discharger shall comply with all conditions of General Order No. 2003-0003-DWQ and the attached Facility Specific Monitoring and Reporting Program No. 2003-0003-DWQ-0002.
4. Failure to abide by the conditions of the General Order and this letter could result in enforcement actions as authorized by provisions of the California Water Code.

5. Regional Board staff shall be notified immediately if any violation of the General Order occurs.
6. The Discharger shall comply with the requirements of the Facility Specific Monitoring and Reporting Program No. 97-10-DWQ-0002, which is attached hereto and made part of this Notice of Applicability by reference. Semiannual monitoring reports shall be submitted by 1 February and 1 August of each year.
7. The required annual fee, which corresponds to threat to water quality and complexity of 3C (as specified in the annual billing you will receive from the State Board), shall be submitted yearly until this Notice of Applicability is officially revoked.

Enclosed for your information are the two referenced documents: General Order No. 2003-0003-DWQ and the Facility Specific Monitoring and Reporting Program No. 2003-0003-DWQ-0002.

If you have any questions, please contact Tim O'Brien at (916) 464-4616.

Original signed by:

THOMAS R. PINKOS
Executive Officer

Enclosures - General Order No. 2003-0003-DWQ
Facility Specific Monitoring and Reporting Program No. 2003-0003-DWQ-0002

cc w/o enc: San Joaquin County Environmental Health Department, Stockton
cc w/ enc: Dan Hinrichs, DJH Engineering, Placerville

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

FACILITY SPECIFIC
MONITORING AND REPORTING PROGRAM NO. 2003-0003-DWQ-0002

FOR
SUPER STORE INDUSTRIES
ICE MAKING WASTEWATER DISCHARGE
SUTTER COUNTY

This monitoring and reporting program (MRP) replaces the standard monitoring program associated with General Order No. 2003-0003-DWQ, and describes monitoring requirements for the ice making blowdown wastewater and disposal area. This MRP is issued pursuant to Water Code Section 13267. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Executive Officer. Regional Board staff shall approve specific sample locations prior to implementation of sampling activities.

All samples should be representative of the volume and nature of the discharge. The time, date, and location of each grab sample shall be recorded on the sample chain of custody form.

WASTEWATER MONITORING

Wastewater monitoring and sampling shall be conducted immediately prior to discharge to the concrete-lined ditch. Wastewater monitoring shall include at least the following:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Flow	gpd	Continuous	Daily ¹	Semi-annually ²
Average Flow	gpd	Calculated	Monthly	Semi-annually
Total Dissolved Solids	mg/l	Grab	Monthly	Semi-annually
Electrical Conductivity	umhos/cm	Grab	Monthly	Semi-annually

¹ Continuous monitoring requires daily meter reading or automated data collection. A flow meter must be installed and functional no later than 1 July 2004. Prior to that time, daily flows may be estimated.

² Semi-annual reporting periods shall extend from January through June and from July through December.

DISPOSAL AREA MONITORING

The Discharger shall conduct a visual inspection of the disposal area on a **weekly basis** and the results shall be included in the semi-annual monitoring report. Evidence of wastewater ponding, uneven wastewater distribution, runoff, erosion, or the presence of nuisance conditions shall be noted in the report.

REPORTING

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (wastewater), and reported analytical result for each sample are readily discernible. The results of any monitoring done more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported in the next scheduled monitoring report.

Semi-annual reports shall be submitted to the Regional Board by the **1th day of the second month**

following the end of the reporting period (i.e. the first semi-annual report of the year is due by 1 August and the second semi-annual report is due by 1 February). The semi-annual reports shall include the results of the wastewater and disposal area monitoring.

A letter transmitting the self-monitoring reports shall accompany each report. Such a letter shall include a discussion of requirement violations found during the reporting period, and actions taken or planned for correcting noted violations, such as operation or facility modifications. If the discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory. The transmittal letter shall contain a statement by the discharger, or the discharger's authorized agent, under penalty of perjury, that to the best of the signer's knowledge the report is true, accurate and complete.

The Discharger shall implement the above monitoring program as of the date of this Order.

Original signed by
Ordered by: _____
THOMAS R. PINKOS, Executive Officer
11 May 2004

(Date)

jrm: 5/6/2004