

4/90

ID#3 272095001

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
1102-A Laurel Lane
San Luis Obispo, California 93401

ORDER NO. 90-22

WASTE DISCHARGE REQUIREMENTS
FOR
MIRANDA MUSHROOM FARM, INC.
MONTEREY COUNTY

The California Regional Water Quality Control Board, Central Coast Region, (hereafter Board), finds:

1. Mr. Doug Tanner, General Manager, Miranda Mushroom Farm, Incorporated, submitted a complete Report of Waste Discharge on October 10, 1989, in accordance with Section 13260 of the California Water Code. The report was filed on behalf of Miranda Mushroom Farm, Inc. (hereafter Discharger) for authorization to discharge mushroom farm wastewater about 1/2 mile northeast of McClusky Slough in northern Monterey County.
2. The discharger operates industrial wastewater systems located at 231 Jensen Road, Watsonville, California. The facilities are as shown on Attachment "A" of this order.
3. Up to 8,000 gallons-per-day (30.3 m³/day) of mushroom farm wastewater are discharged at this facility. Boiler blowdown and water softener regenerant is discharged to a concrete evaporation pond. The treatment and disposal facility for washwater and compost leachate consists of a 1.6 million-gallon settling pond. Poned wastewater is used on-site for dust control. Discharger is investigating further uses of settled wastewater for reclamation purposes. Rainwater which causes the design capacity of the wastewater system to be exceeded, is discharged off-site to a drainageway located behind the site.
4. The mushroom farm is located on approximately 50 acres. The wastewater discharge area, approximately 40 acres, is located on slightly sloping topography consisting of sandy or sandy loam soils to a depth of several hundred feet. Depth to ground water is 250-280 feet. Ground water quality is suitable for domestic uses.
5. McClusky Slough is located 1/2 mile southwest of the discharge and flows in a westerly direction into Monterey Bay.

Item No. 18, Attachment No. 1
February 11, 2005 Meeting
Sunrise Mushrooms
Monterey County

6. The Water Quality Control Plan, Central Coastal Basin, (Basin Plan) was adopted by the Board on March 14, 1975, and approved by the State Water Resources Control Board on March 20, 1975. The Basin Plan incorporates statewide plans and policies by reference and contains a strategy for protecting beneficial uses of State waters. On March 19, 1982, the Regional Board adopted Resolution No. 82-04 Concerning Revisions and Amendment of the Basin Plan for Mushroom Farm Operations. This Order implements the Basin Plan and applicable criteria of Resolution No. 82-04.
7. Present and anticipated beneficial uses of groundwater in the vicinity of the discharge include:
 - a. Municipal and domestic supply;
 - b. Agricultural supply; and,
 - c. Industrial service supply.
8. Present and anticipated beneficial uses of surface waters that could be affected by the discharge include:
 - a. Water contact recreation;
 - b. Non-contact water recreation;
 - c. Wildlife habitat; and,
 - d. Industrial service supply.
9. These waste discharge requirements are for an existing facility and are exempt from provisions of the California Environmental Quality Act (Public Resources Code, Section 21000, et seq.) in accordance with Section 15301, Chapter 3, Title 14, of the California Code of Regulations.
10. Discharge of waste is a privilege, not a right, and authorization to discharge is conditional upon the discharge complying with provisions of Division 7 of the California Water Code and any more stringent effluent limitations necessary to implement water quality control plans, to protect beneficial uses, and to prevent nuisance. Compliance with this Order should assure this and mitigate any potential adverse changes in water quality due to the discharge.
11. On January 25, 1990, the Board notified the Discharger and interested agencies and persons of its intent to adopt waste discharge requirements for the discharge and has provided them with a copy of the proposed order and an opportunity to submit written views and comments.
12. After considering all comments pertaining to this discharge during a public hearing on April 13, 1990, this Order was found consistent with the above findings.

IT IS HEREBY ORDERED, pursuant to authority in Section 13263 of the California Water Code, that Miranda Mushroom Farm, Inc., its agents, successors, and assigns, may discharge waste at 231 Jensen Road, Watsonville, Monterey County, providing compliance is maintained with the following:

(Note: other prohibitions and conditions, definitions, and the method of determining compliance are contained in the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January, 1984. Applicable paragraphs are referenced in paragraph D.3. of this Order.)

A. Prohibitions

1. Discharge to areas other than disposal area shown in Attachment "A" is prohibited.
2. Discharge of domestic wastes to the mushroom farm washwater system is prohibited.
3. Bypass of the treatment facility is prohibited.
4. Discharge of untreated or partially treated wastes directly and/or indirectly to adjacent properties is prohibited.

B. Discharge Specifications

1. Daily flow averaged over each month shall not exceed 8,000 gallons (30.3 m³).
2. Wastewater treatment and disposal facilities shall be designed to accommodate wastewater and runoff from the 25-year frequency rainfall season and 25-year, 24-hour storm.
3. Effluent discharged shall not exceed the following limitations:

<u>Parameter</u>	<u>Units</u>	<u>Minimum</u>	<u>Daily Maximum</u>
Electrical Conductivity	umhos/cm		3,000
Chloride	mg/l		250
pH	pH Units	6.5	8.4

4. Uncontaminated surface drainage and roof runoff shall be excluded from wastewater treatment and disposal areas unless provision for these sources of water is included in capacity calculations and written approval is received from the Executive Officer.
5. Freeboard shall exceed 20 in. (0.5m) in the wastewater settling pond.
6. Discharge shall be at least 100 feet (31 m) from any domestic water supply well.
7. Wastewater discharged to land areas shall be in a crop irrigation mode to ensure pollutant removal and odor control. Organic overloading of land treatment areas, as evidenced by sulfide slimes, malodorous gas production, or effluent ponding, shall not occur.
8. Nitrogen application rates (lb N/ac/day) to irrigated areas shall be suitable for the crops irrigated.
9. Water softener regenerant and boiler blowdown shall be hauled to a suitable disposal site, discharged to the ocean through a suitable outfall, or disposed in lined ponds. If disposal is by lined ponds, it shall be separate from other sources of wastewater and two drying beds shall be used in alternating sequence to allow sufficient drying time.
10. Salt residue from drying beds and any solid waste shall be routinely collected and disposed at a suitable site.
11. Salt sanitation pans shall not be used for disinfection unless provision is made to assure use conforms with Resolution No. 82-04 and such provision is found acceptable by the Executive Officer.
12. Spent compost, if stored, shall be in a manner and location that will not produce leachate or create a nuisance or vector habitat.

C. Ground Water Limitations

1. The discharge shall not cause nitrate concentrations in the groundwater downgradient of the disposal area to exceed 10 mg/l (as N).

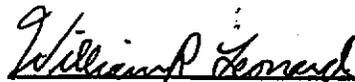
2. The discharge shall not cause a significant increase of mineral constituent concentrations in underlying groundwaters, as determined by comparison of samples collected from wells located upgradient and downgradient of the disposal area.
3. The discharge shall not cause concentrations of chemicals and radionuclides in groundwater to exceed limits set forth in Title 22, Chapter 15, Articles 4 and 5 of the California Code of Regulations.

D. Provisions

1. Expansion of the composting/storage area, as shown on Attachment "A", shall be completed by February 1, 1991.
2. Discharger shall comply with "Monitoring and Reporting Program No. 90-22," as specified by the Executive Officer.
3. Discharger shall comply with all items of the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January, 1984; except Items A.2., A.4., A.5., A.8., A.13., A.17., and C.16.
4. Order No. 86-165 "Waste Discharge Requirements for Miranda Mushroom Farm, Inc., Monterey County," adopted by the Board on June 13, 1986, is hereby rescinded.
5. Pursuant to Title 23, Chapter 3, Subchapter 9, of the California Code of Regulations, the Discharger must submit a written report to the Executive Officer not later than October 1, 1994, addressing:
 - a. Whether there will be changes in the continuity, character, location, or volume of the discharge; and,
 - b. Whether, in their opinion, there is any portion of the Order that is incorrect, obsolete, or otherwise in need of revision.

I, WILLIAM R. LEONARD, Executive Officer, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Central Coast Region, on April 13, 1990.

sm21:90-22.WDR


Executive Officer

