

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 94-031

WASTE DISCHARGE REQUIREMENTS
FOR
DOLE DRIED FRUIT AND NUT COMPANY, OWNER/OPERATOR
DOLE FOOD CO., DATE PROCESSING PLANT
WASTEWATER TREATMENT FACILITY
Thermal - Riverside County

The California Regional Water Quality Control Board, Colorado River Basin Region, finds that:

1. Dole Dried Fruit & Nut Co., Owner/Operator of Dole Food Co. (hereinafter referred to as the discharger), 87-500 Avenue 56, Thermal, CA 92274, submitted an updated Report of Waste Discharge, dated December 14, 1993, for a date processing plant (hereinafter referred to as the plant).
2. The Plant uses water for washing dates. Washwater is pumped from the date processing plant to a wastewater treatment facility. Washwater flows through a fine screen where stems, pits, skins and other suspended solids are removed and collected. Collected solid waste is removed daily for disposal at an approved solid waste management facility. Wastewater then flows in succession through two (2) aerated lagoons and two (2) polishing lagoons for treatment. Both types of ponds are equipped with surface-mounted mechanical aerators for enhanced treatment capability. At the aerated lagoons aerators are controlled by Dissolved Oxygen (DO) probes and a Programmable Logic Controller (PLC), which turns the aerators on and off as needed to meet the preselected dissolved oxygen level.
3. The design flow capacity of the washing facility is 200,000 gallons-per-day. During the peak season the maximum average daily flow is 90,000 gallons-per-day and the daily average flow is 62,000 gallons-per-day.
4. From the aerating lagoons wastewater is discharged to the polishing lagoons for further removal of biological solids by means of settling. Subsequently the solids are removed from the lagoons manually and used for agricultural use. Aerators are provided for the control of odor.
5. The treated wastewater is disposed of at four (4) evaporation-percolation ponds located in the SW 1/4 of Section 15, T6S, R8E, SBB&M as indicated in the attached site map. The area of each pond is about 1.8 acres.
6. There are four (4) monitoring wells located on the site (as shown on attachment 'A' incorporated herein and made a part of this Order). Ground water depth at the general vicinity is reported to be 7 feet.
7. No chemicals are used for the treatment of the process water. Process water is drawn from two (2) wells located approximately 500 feet south of the treatment facility.

8. The discharger reported the following average characteristics of the discharged wastewater:
 - a. Biological Oxygen Demand(BOD) 370 mg/L¹
 - b. Biological Oxygen Demand, Maximum 900 mg/L
 - c. Total Suspended Solids 500 mg/L
 - d. Total Suspended Solids, Maximum 840 mg/L
9. The discharge from this facility has been subject to waste discharge requirements adopted in Board Order No. 89-014.
10. This Order updates the waste discharge requirements to comply with the current laws and regulations as set forth in the California Water Code and California Code of Regulations.
11. The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan) was adopted May 15, 1991, and designates the beneficial uses of ground and surface waters in this region.
12. The beneficial uses of ground water of the Coachella Hydrologic Subunit are:
 - a. Municipal Supply (MUN)
 - b. Industrial Supply (IND)
 - c. Agricultural Supply (AGR)
13. The Board has notified the discharger and all known interested agencies and persons of its intent to update waste discharge requirements for this facility.
14. The Board in a public meeting heard and considered all comments pertaining to this discharge.
15. In accordance with Section 15301, Chapter 3, Title 14 of the California Code of Regulations, the issuance of these waste discharge requirements, which governs the operation of an existing facility involving negligible or no expansion of use beyond that previously existing, is exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000, et.seq.)

IT IS HEREBY ORDERED, that Board Order No. 89-014 is rescinded and in order to meet the provisions contained in Division 7 of the California Water Code and Regulations adopted thereunder, the discharger shall comply with the following:

A. Effluent Limitation

1. Wastewater effluent discharged to the evaporation-percolation ponds from the treatment facility shall not contain constituents in excess of the following limits:

¹ mg/L = Milligrams per Liter

<u>Constituents</u>	<u>Unit</u>	<u>Monthly Average Value</u>	<u>Maximum Value</u>
20° BOD ₅	mg/L	45	65
Suspended Solids	mg/L	95	--
Settleable Matter	mg/L	0.3	0.5
Total Dissolved Solids	mg/L	--	400 ²

2. The 30-day average removal of the pollutant parameters BOD₅ and suspended solids shall not be less than 65 percent.
3. The pH of the effluent shall be maintained between 6.0 to 9.0.
4. Wastewater flow to the evaporation-percolation ponds shall not exceed 200,000 gallons-per-day.

B. Discharge Prohibitions

1. The direct discharge of wastes to surface waters or surface water drainage courses is prohibited.
2. By pass or overflow of untreated partially treated wastewater is prohibited, unless approved by the Regional Board's Executive Officer.
3. The discharge of waste containing any carcinogen or reproductive toxins listed by the Governor pursuant to Health and Safety Code Sections 25249.5 through 25349.13, the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65), where such chemical passes, or may pass, into any source of drinking water is prohibited.
4. Discharge of treated wastewater at a location or in a manner different from that described in Findings No. 2, 4 and 5 is prohibited.

C. Discharge Specifications

1. The treatment or disposal at this facility shall not cause pollution or nuisance as defined in Section 13050(1) and 13050(m) of Division 7 of the California Water Code.
2. No wastewater other than the washwater generated from the treatment facility shall be discharged into the evaporation/percolation ponds.

²The total dissolved solids concentration should not exceed 400 mg/L above the average annual total dissolved solid concentration in the plant's water supply.

3. Adequate measures shall be taken to assure that flood or surface drainage waters do not erode or otherwise render portions of the discharge facilities inoperable.
4. The discharge shall not cause degradation of any water supply.
5. There shall be no surface flow of wastewater away from the discharge facility.
6. A minimum depth of freeboard of two (2) feet shall be maintained at all times in the evaporation-percolation ponds.
7. Solids and settled materials removed during the treatment process shall be disposed of in a manner that will not result in pollution or nuisance as defined by the California Water Code.
8. Adequate measures shall be taken to maintain aerobic condition at the ponds.
9. The treatment site shall be protected from any washout or erosion of wastes or covering material, and from any inundation which could occur as a result of floods having a predicted frequency of once in 100 years.
10. Ponds shall be managed to prevent breeding of mosquitoes. In particular,
 - a. An erosion control program should assure that small coves and irregularities are not created around the perimeter of the water surface.
 - b. Weeds shall be minimized through control of water depth, harvesting, or herbicides.
 - c. Dead algae, vegetation, and debris shall not accumulate on the water surface.

D. Provisions

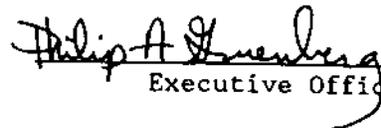
1. The discharger shall comply with "Monitoring and Reporting Program No. 94-031", and future revisions thereto, as specified by the Regional Board's Executive Officer.
2. Prior to any modifications in this facility which would result in material change in the quality or the quantity of wastewater treated or discharged, or any material change in the location of the discharge, the discharger shall report all pertinent information in writing to the Regional Board and obtain revised requirements before any modifications are implemented.
3. Prior to any change in ownership or management of this operation, the discharger shall transmit a copy of this Board Order to the succeeding owner/operator, and forward a copy of the transmittal letter to the Regional Board.
4. The discharger shall ensure that all site personnel are familiar with the contents of this Board Order, and shall maintain a copy of this Board Order at the site.

5. This Board Order does not authorize violation of any federal, state, or local laws or regulations.
6. Facilities shall be available to keep the plant in operation in the event of commercial power failure.
7. The discharger shall allow the Regional Board, or an authorized representative, upon presentation of credentials and other documents as may required by law, to:
 - a. Enter upon premises regulated by this Board Order, or the place where records must be kept under the condition of this Board Order;
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Board Order;
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations required under the Board Order; and
 - d. Sample or monitor at reasonable times, for the purpose of assuring compliance with this Board Order or as otherwise authorized by the California Water Code, any substances or parameters at this location.
8. The discharger must comply with all the requirements of this Board Order, including timely submission of technical and monitoring reports as directed by the Regional Board's Executive Officer. Any non-compliance with this Board Order constitutes a violation of the Porter-Cologne Water Quality Control Act and is grounds for enforcement action.
9. The Board will review this Order periodically and may revise requirements when necessary.
10. The discharger shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances), which are installed or used by the discharger to achieve compliance with the conditions of this Board Order.
11. The discharger shall comply with the following:
 - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
 - b. The discharger shall retain records of all monitoring information including all calibration and maintenance records, copies of all reports required by this Board Order, and records of all data used to complete the application for this Board Order. Records shall be maintained for a minimum of five years from the date of the sample, measurement, or report. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board's Executive Officer.

c. Records of monitoring information shall include:

1. The date, exact place, and time of sampling and measurements.
 2. The individual(s) who performed the sampling or measurements.
 3. The date(s) analyses was performed.
 4. The individual(s) who performed the analysis.
 5. The result of such analysis.
12. All maintenance performed shall be reported with the monitoring reports as required.
 13. All regulated disposal systems shall be readily accessible for sampling and inspection.
 14. The discharger shall provide an inventory of all hazardous materials which will be handled at the facility.
 15. The discharger may be required to submit technical reports as directed by the Regional Board's Executive Officer.

I, Phil Gruenberg, Executive Officer, do hereby certify the forgoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, Colorado River Basin Region, on March 15, 1994.


Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
 COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 94-031
 FOR
 DOLE DRIED FRUIT AND NUT COMPANY, OWNER/OPERATOR
 DOLE FOOD CO., DATE PROCESSING PLANT
 WASTEWATER TREATMENT FACILITY
 Thermal - Riverside County

Location of Discharge: SW ¼, Section 15, T6S, R8E, SBB&M

MONITORING

A. INFLUENT:

The wastewater influent to the treatment facilities shall be monitored for the following:

<u>Constituents</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Five-Day Biochemical Oxygen Demand (20° BOD ₅)	mg/L	Grab	Monthly
Suspended Solids	mg/L	Grab	Monthly

B. EFFLUENT:

The wastewater effluent to the evaporation-percolation ponds shall be monitored for the following:

<u>Constituents</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L	Grab	Monthly
pH	--	Grab	Monthly
20° BOD ₅	mg/L ¹	Grab	Monthly
Suspended Solids	mg/L	Grab	Monthly
Settleable Solids	ml/L ²	Grab	Monthly
Volume of Wastewater	GPD ³	--	Daily (Reported Monthly)

¹ mg/L = Milligrams per Liter

² ml/L = Milliliters per Liter

³ GPD = Gallons-per-Day

C. GROUND WATER MONITORING

Ground water shall be sampled from the existing four (4) on site monitoring wells and analyzed for the following constituent:

<u>Constituents</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L	Grab	Quarterly
Depth-to-Ground Water	Feet	Measurement	Quarterly
pH	--	Grab	Quarterly

D. SUPPLY WATER:

The supply water shall be monitored for the following:

<u>Constituents</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L	Grab	Monthly

REPORTING

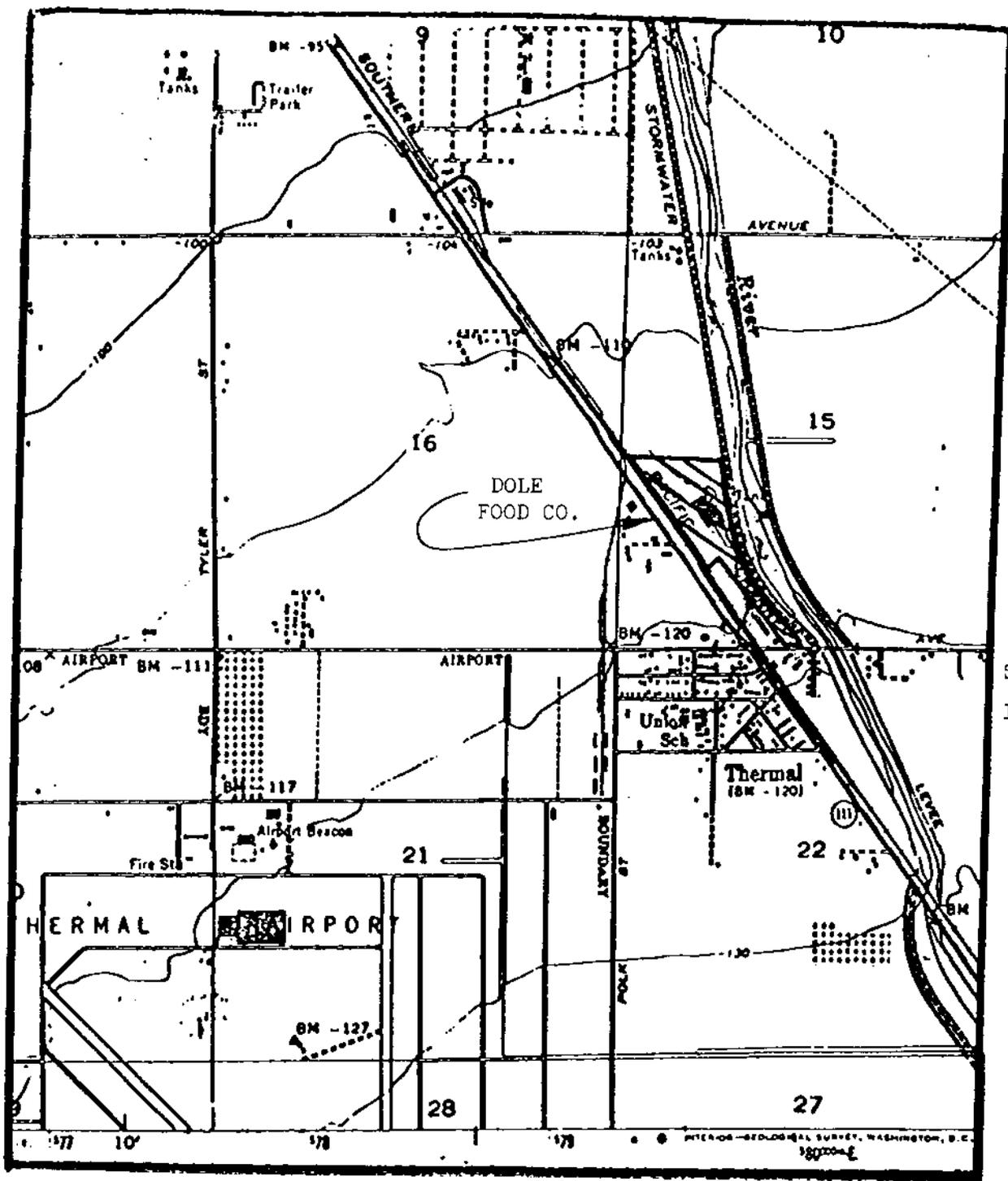
1. The monthly monitoring reports shall be submitted to the Regional Board by no later than 15th day of the following month. Quarterly monitoring report shall be submitted to the Regional Board by January 15, April 15, July 15, and October 15 of each year. All reports shall be submitted to:

California Regional Water Quality Control Board
Colorado River Basin Region
73-720 Fred Waring Drive, Suite 100
Palm Desert, CA 92260
2. The collection, preservation and holding times of all samples shall be in accordance with EPA-approved procedures. All analyses shall be conducted by a laboratory certified by the State Department of Health Services to perform the required analysis or a laboratory approved by the Regional Board Executive Officer.
3. The discharger shall arrange the data in tabular form so that specified information is readily discernable. The data shall be summarized in such a manner as to clearly illustrate whether the waste discharge facilities are operating in compliance with the waste discharge requirements.
4. Report immediately any failure of the system by telephone and the follow-up letter.
5. Note any changes in the operating procedure for the season.

6. Monitoring reports shall be signed by the Plant Manager or other duly authorized person.
7. Each report shall contain the following completed certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

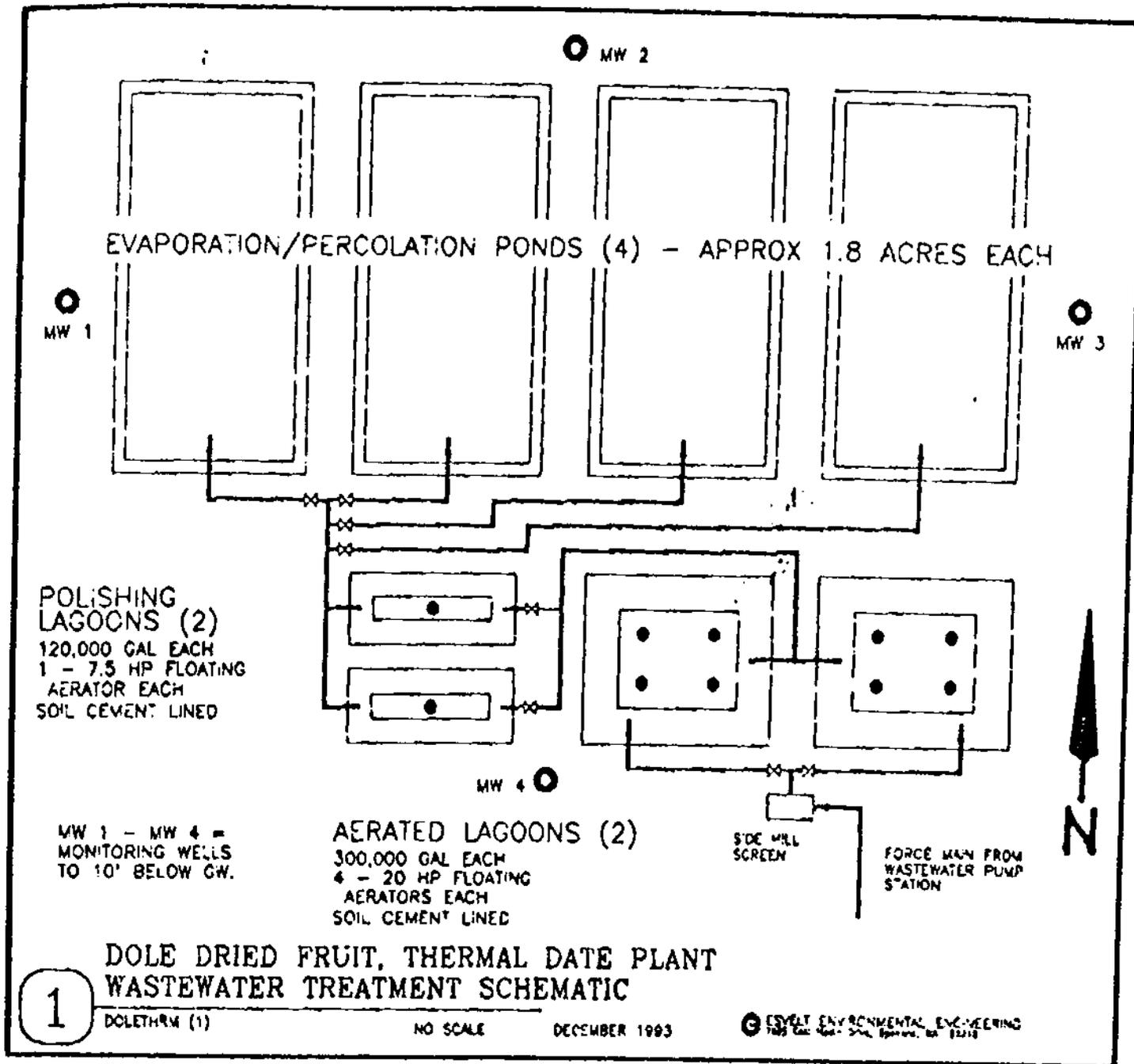
ORDERED BY: Philip A. Guenley
Executive Officer
March 15, 1994



SITE MAP

DOLE DRIED FRUITS AND NUT COMPANY, OWNER/OPERATOR
 DOLE FOOD CO., DATE PROCESSING PLANT
 Thermal - Riverside County
 Location of Discharge: SW¹/₄ of Section 15, T6S, R8E, SBB&M
 USGS Indio, California, 7.5 min. Topographic Map

Board Order No. 94-031



Attachment 'A'

VICINITY MAP
DOLE DRIED FRUIT AND NUT COMPANY, OWNER/OPERATOR
DOLE FOOD CO., DATE PROCESSING PLANT
WASTEWATER TREATMENT FACILITY
Thermal - Riverside County

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