

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LAHONTAN REGION

BOARD ORDER NO. 6-72-44

WASTE DISCHARGE REQUIREMENTS  
for

PACIFIC GAS and ELECTRIC COMPANY  
HINKLEY COMPRESSOR STATION  
San Bernardino County

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The California Regional Water Quality Control Board, Lahontan Region, finds:

1. Pacific Gas and Electric Company submitted a report of waste discharge on May 12, 1972.
2. Pacific Gas and Electric Company presently discharges a maximum of 0.05 mgd of waste water from cooling towers at the compressor station to percolation. They now propose to discharge the wastewaters to six 1.5 acre ponds located 1,200 feet from the north line and 1,270 feet from the east line of Section 2, T9S, R3W SBB&M in Subarea 2 of the Mojave River Sub-Basin.
3. The discharge point is 12 miles west of the City of Barstow in San Bernardino County.
4. The water supply originates from wells located on Pacific Gas and Electric Company land which is adjacent to the proposed disposal area.
5. Groundwater in the area is approximately 75 feet below ground surface.
6. The Board adopted an Interim Water Quality Control Plan for the South Lahontan Basin on June 11, 1971.
7. The beneficial uses of surface and ground waters of Sub-area 2 of the Mojave River Sub-Basin as set forth and defined in the Interim Plan, are:
  - a. municipal and domestic supply
  - b. agricultural supply
  - c. industrial supply
  - d. water-contact recreation
  - e. non-water-contact recreation
  - f. freshwater habitat
8. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste requirements for the discharge.
9. The Board in a public meeting heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, Pacific Gas and Electric Company shall comply with the following:

I. DISCHARGE SPECIFICATIONS

A. General Requirements

1. The discharges shall not cause a pollution.
2. Neither the treatment nor discharge shall cause a nuisance.
3. All facilities used for transport, treatment or disposal of waste shall be adequately protected against washout or flooding from a 100-year flood.
4. The discharges shall be confined to lands owned or controlled by the discharger.
5. The discharges shall contain no trace elements, pollutants or contaminants, or combinations thereof in concentrations which are toxic or harmful to humans or to aquatic or terrestrial plant or animal life.
6. There shall be no surface flow or visible discharge of wastewater from the designated disposal area to adjacent land areas or surface waters.
7. The mean daily discharge shall not exceed 0.05 mgd.

B. INDUSTRIAL WASTE REQUIREMENTS FOR WASTEWATER DISCHARGED FOR PERCOLATION INTO THE MOJAVE RIVER GROUNDWATER BASIN

1. The discharge shall not contain constituents in excess of the following:

<u>Constituents</u>	<u>Units</u>	<u>Mean</u>
Sodium	mg/l	150
	pounds/day	63
Sulfate	mg/l	250
	pounds/day	104
Chloride	mg/l	250
	pounds/day	104
Boron	mg/l	0.20
	pounds/day	0.08
Arsenic	mg/l	0.05
	pounds/day	0.02
Barium	mg/l	1.00
	pounds/day	0.42

<u>Constituents</u>	<u>Units</u>	<u>Mean</u>
Cadmium	mg/l pounds/day	0.01 0.004
Hexavalent Chromium	mg/l pounds/day	0.05 0.02
Cyanide	mg/l pounds/day	0.20 0.08
Fluoride	mg/l pounds/day	1.00 0.42
Lead	mg/l pounds/day	0.05 0.02
Selenium	mg/l pounds/day	0.01 0.004
Silver	mg/l pounds/day	0.05 0.02
Nitrate	mg/l pounds/day	45 19
Total Filtrable Residue	mg/l pounds/day	500 208

2. The pH value of the discharge shall not be less than 6.0 nor greater than 9.0.
3. The discharge shall be free of floating or settleable grease or oils.

C. DOMESTIC WASTE REQUIREMENTS

1. There shall be no surface flow or visible discharge of sewage or sewage effluent at the designated disposal site or from the designated disposal site to adjacent land areas or surface waters.
2. The discharge, bypass or diversion of raw or partially treated sewage, sewage sludge, grease or oils to surface waters is prohibited.

II. PROVISIONS

1. The discharger shall comply with the Monitoring and Reporting Program No. 72-44 as specified by the Executive Officer.
2. As used in this order, the "designated disposal area" refers to the site noted on a map attached to a report of waste discharge dated April 24, 1972 and as described in Findings Nos. 2 and 3.
3. The industrial waste discharges of Pacific Gas and Electric Company shall be brought into compliance with these waste discharge requirements by July 1, 1973.
4. Any proposed material change in the character of the waste or method of discharge or location of discharge shall be reported to this Regional Board.
5. The Board shall be notified immediately by telephone of the presence of adverse conditions resulting from this discharge; written confirmation shall follow.
6. The California Regional Water Quality Control Board, Lahontan Region, hereby reserves the privilege of changing all or any portion of this order upon legal notice to and after opportunity to be heard is given all concerned parties.

I, John T. Leggett, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an order adopted by the California Regional Water Quality Control Board, Lahontan Region on August 10, 1972.

John T. Leggett,  
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LAHONTAN REGION

TRANSMITTAL OF REQUIREMENTS AND RECOMMENDATIONS  
OF OTHER GOVERNMENTAL AGENCIES

for

SOUTHERN CALIFORNIA EDISON COMPANY  
COOLWATER GENERATING STATION  
San Bernardino County

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Other governmental agencies have requested the inclusion of the following additional requirements and recommendations which are not directly related to water quality:

STATE DEPARTMENT OF PUBLIC HEALTH and the SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC HEALTH.

1. Breeding of mosquitoes, flies and other vectors of public health significance, inasmuch as it results from this operation and disposal, must be controlled.