

COPY

PACIFIC GAS AND ELECTRIC COMPANY

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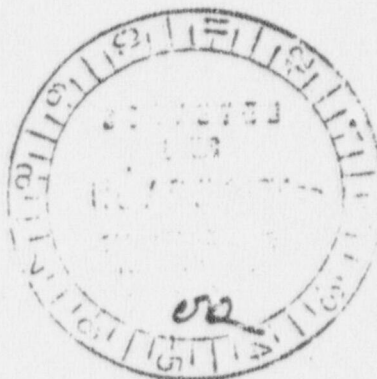
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November 22, 1974

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Elizabeth S. Bowers, Esq.
Chairman
Atomic Safety and Licensing
Board Panel
U. S. Atomic Energy Commission
Washington, D. C. 20545

Re: Dockets 50-275-OL
50-323-OL

Dear Mrs. Bowers:

This concerns the motion for suspension of discharging dated November 9, 1974 made by William P. Cornwell. My earlier responses to his previous requests apply equally to his latest one. Suspension of use of the discharge pumps would interfere with the orderly startup of the units and would prevent PGandE's performance of the thermal tests outlined in the Board's order dated August 2, 1974.

Moreover, the discharge is being monitored by personnel of the California Department of Fish and Game and the California Regional Water Quality Control Board - Central Coast Region. In this connection I enclose a copy of the Board's Order No. 74-41 dated October 11, 1974 covering waste discharge requirements for the Diablo Canyon Plant. On November 13, 1974 the monitoring program included in the Board's order was updated and expanded. A copy of the revised monitoring program also is enclosed. We believe that compliance with this program will confirm that the pumps can be operated without harmful effects on the environment.

If you wish a further elaboration on the monitoring program please let me know.

Very truly yours,

Philip A. Crane, Jr.

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Attachment
CC w/attachment: See Page 2

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Elizabeth S. Bowers, Esq.

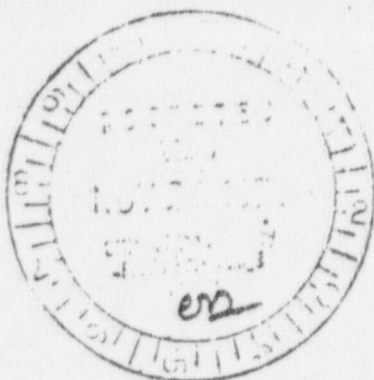
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November 22, 1974

CC w/attachment: Elizabeth E. Apfelberg
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CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION

ORDER NO. 74-42
NPDES NO. CA0003751



WASTE DISCHARGE REQUIREMENTS
FOR
PACIFIC GAS & ELECTRIC COMPANY
DIABLO CANYON NUCLEAR POWER PLANT
SAN LUIS OBISPO COUNTY

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

1. The Pacific Gas & Electric Company (hereafter discharger) by application No. 075-OYQ-2-000169, dated August 30, 1973, has applied for waste discharge requirements and a permit to discharge wastes under the National Pollutant Discharge Elimination System.
2. The discharger proposes to discharge wastes from Diablo Canyon Nuclear Power Plant into the Pacific Ocean, a water of the United States, at a point 12 miles southwest of San Luis Obispo.

3. The waste discharges are described as follows:

Discharge 001 Cooling water discharge

Design Flow: 2497 million gallons per operating day
Average Temperature: 77°F Summer; 72°F Winter

Discharge 002 (Intake screen backwash water)

4. The cooling water intake is located at the shoreline in a man-made cove 1000 feet south of the power plant and draws water from the surface to a depth of 31.5 feet. The maximum water velocity at the point of intake is 0.8 fps at LLLW and at the traveling screens is 1.0 fps at LLLW.
5. The discharge is presently governed by Waste Discharge Requirements entitled Waste Discharge Requirements, Pacific Gas & Electric Company, Diablo Canyon Power Plant, adopted October 17, 1969, which allows discharge to the Pacific Ocean.
6. A Water Quality Control Plan Report for the Central Coastal Basin was adopted by the Board on September 13, 1974. The Basin Plan Report contains water quality objectives for the Pacific Ocean in the area of Diablo Canyon.
7. The State Water Resources Control Board adopted the Water Quality Control Plan for Control of Temperature in the Coastal and Interstate Waters and Enclosed Bays and Estuaries of California. This plan contains water quality objectives for the Pacific Ocean in the area of Diablo Canyon.

8. The State Water Resources Control Board adopted the Water Quality Control Plan for Ocean Waters of California on July 6, 1972. This plan contains water quality objectives for the Pacific Ocean in the area of Diablo Canyon.
9. Effluent limitations, national standards of performance, toxic and pre-treatment effluent standards, and ocean discharge criteria established pursuant to Sections 301, 302, 303(d), 304, 306, 307, 316, and 403 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.
10. The beneficial uses of the Pacific Ocean include industrial water supply, recreation, aesthetic enjoyment, navigation, and the preservation and enhancement of fish, wildlife, and other marine resources and preserves.
11. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
12. The Board in a public meeting on October 11, 1974, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, Pacific Gas & Electric Company, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder and the provisions of the Federal Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Discharge Requirements

1. Existing Waste Discharge Requirements adopted October 17, 1969, shall remain in effect.
2. Pursuant to Section 13370 of the Porter Cologne Water Quality Control Act, the discharge shall comply with all applicable effluent limitations, national standards of performance, toxic and pretreatment effluent standards, ocean discharge criteria and all other final regulations established pursuant to Sections 301, 302, 303(d), 304, 306, 307, 316, and 403 of the Federal Water Pollution Control Act and amendments thereto.
3. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resources Control Board.

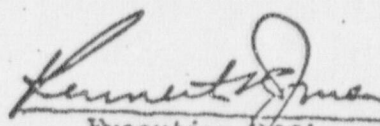
B. Provisions

1. In cases of disagreement between this Order and existing waste discharge requirements, adopted October 17, 1969, this Order will apply.

2. The discharger shall initiate actions necessary to assure compliance with all applicable provisions of those laws and regulations referenced in Discharge Requirements A.2. and A.3. which have implementation dates after the expiration date of this Order.
3. The monitoring and reporting programs of waste discharge requirements adopted October 17, 1969 shall remain in effect. The executive officer may revise or amend this program for any reason including gathering data on low volume waste sources which are subject to control by applicable regulation.
4. Within twelve (12) months of the date of this Order the discharger shall submit any requests for exceptions as provided for in those laws and regulations described in A.2. and A.3. above. Such requests shall be accompanied by all necessary supporting data and studies as required by the Board or the State Water Resources Control Board or applicable State or Federal regulations. If such requests are required at an earlier date by regulation established pursuant to Sections 304 or 316 of the Federal Water Pollution Control Act, the request shall be made by the prescribed date.
5. Within twelve (12) months of the date of this Order the discharger shall complete all studies necessary to implement the provisions of all regulations established pursuant to Section 316(b) of the Federal Water Pollution Control Act.
6. Discharger does not waive any right it may have to administrative or judicial review of any limitation, standard, criterion, or regulation.
7. The discharger shall comply with all items of the attached "Standard Provisions and Reporting Requirements for Steam Power Plants".
8. This Order expires May 1, 1976. The discharger must file a report of waste discharge in accordance with Title 23, Chapter 3, Subchapter 9 of the California Administrative Code, not later than 180 days in advance of such expiration date as application for issuance of new waste discharge requirements. These requirements will implement all applicable provisions of those laws and regulations referenced in discharge requirements A.2. and A.3.

This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act or amendments thereto, and shall take effect at the end of 10 days from date of adoption provided the Regional Administrator, Environmental Protection Agency, has no objections.

I, KENNETH R. JONES, 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 October 11, 1974.


Executive Officer

CENTRAL COAST REGION

October 11, 1974

(date)

STANDARD PROVISIONS FOR
AND REPORTING REQUIREMENTS FOR
STEAM POWER PLANTS

GENERAL PROVISIONS:

1. Neither the treatment nor the discharge of wastes shall create a nuisance or pollution as defined in the California Water Code.
2. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under federal, state, or local laws, nor guarantee the discharger a capacity right in the receiving waters.
3. The discharger shall permit the Regional Board:
 - (a) Entry upon premises where an effluent source is located or in which any required records are kept;
 - (b) Access at reasonable times to copy any records required to be kept under terms and conditions of this Order;
 - (c) Inspection at reasonable times of monitoring equipment or records; and
 - (d) Sampling at reasonable times of any discharge.
4. All discharges authorized by this Order shall be consistent with the terms and conditions of this Order. The discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by this Order shall constitute a violation of the terms and conditions of this Order.
5. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.
6. After notice and opportunity for a hearing, this Order may be modified, suspended, or revoked, in whole or in part, during its term for cause including but not limited to, the following:

- (a) Violation of any terms or conditions of this Order;
 - (b) Obtaining this Order by misrepresentation or failure to disclose fully all relevant facts;
 - (c) A temporary or permanent reduction or elimination of the authorized discharge; or
 - (d) A change in character, location or volume of discharge.
7. Collected screenings, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a Regional Water Quality Control Board and which is in full compliance therewith.
8. In the event the discharger does not comply or will be unable to comply with any prohibition, daily maximum effluent limitation, or receiving water limitation of this Order for any reason, the discharger shall notify the Executive Officer by telephone (805) 549-3147, as soon as he or his agents have knowledge of such noncompliance, and shall confirm this notification in writing within two weeks. The written notification shall state the nature, time and cause of noncompliance, and shall describe the measures taken to correct the problem and the dates thereof, and the measures being taken to prevent recurrences.
9. The requirements and provisions of this Order are severable. If any requirements and provisions of this, or the application of any of the requirements or provisions of this permit to any circumstances is held invalid, the application of such requirements and provisions to other circumstances, and the remainder of this permit shall not be affected thereby.
10. In order to maintain compliance with the effluent limitations and prohibitions of this Order, the discharger shall either:
- (a) In accordance with the Schedule of Compliance contained in the provisions of this Order, provide an alternative power source sufficient to operate the wastewater control facilities; or

A. General Reporting Requirements:

1. The discharger shall submit to the Board on or before each compliance report date, a report detailing his compliance or noncompliance with the specific schedule date and task.

If noncompliance is being reported, the reasons for such noncompliance shall be stated, plus an estimate of the date when the discharger will be in compliance. The discharger shall notify the Board by letter when he has returned to compliance with the time schedule.

2. The discharger shall notify the Board not later than 180 days in advance of implementation of any plans to alter production capacity of the product line of the manufacturing, producing or processing facility by more than ten percent. Such notification shall include estimates of proposed production rate, the type of process and projected effects on effluent quality. Notification shall include submittal of a new report of waste discharge and appropriate filing fee.
3. The discharger shall file with the Board a report of waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.

B. Reporting Requirements for Monitoring:

1. For every item of monitoring data where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time, and shall submit a timetable for such corrective actions.
2. By January 30 of each year, the discharger shall submit an annual report to the Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.

3. The discharger shall maintain records of all sampling and analytical results, including strip charts; the date, exact place, and time of sampling; the analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board. Monitoring results shall be submitted on forms provided by the Board.
4. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Program as directed by the Executive Officer.
5. Monitoring reports shall be signed by:
 - a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates;
 - b. In the case of a partnership, by a general partner;
 - c. In the case of a sole proprietorship, by the proprietor;
 - d. In the case of a municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.
6. The results of any analysis of samples taken more frequently at the locations specified in Monitoring and Reporting Program shall be reported to the Board.
7. The discharger shall mail a copy of each monitoring report on the appropriate form to be supplied by the Board to:
 - a. California Regional Water Quality
Control Board
Central Coast Region
1122A Laurel Lane
San Luis Obispo, California 93401
 - b. Regional Administrator, ENCMR
Environmental Protection Agency
Region IX
100 California Street
San Francisco, CA 94111

(D) If such alternative power source is not in existence, and no date for its implementation appears in the provisions of this Order, halt, reduce, or otherwise control production and/or all discharges upon the reduction, loss or failure of the primary source of power to wastewater control facilities.

11. Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this Order is prohibited, except (a) where unavoidable to prevent loss of life or severe property damage, or (b) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this Order. The discharger shall promptly notify the Board and the Regional Administrator of EPA in writing of each such diversion or bypass.
12. Except for data determined to be confidential under Section 308 of the Federal Water Pollution Control Act, all reports prepared in accordance with terms of this Order shall be available for public inspection at the offices of the Regional Water Quality Control Board, and the Regional Administrator of EPA. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statements on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.
13. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the discharger, the discharger shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to this Board.

D. PROVISIONS FOR MONITORING

1. All sampling, sample preservation and analyses shall be conducted in accordance with regulations published pursuant to Section 304(g) of the Federal Water Pollution Control Act. However, under certain circumstances, alternate test procedures may be approved by the Regional Administrator (EPA) upon application by the discharger to the Regional Board, Executive Officer.
2. When there is more than one approved method for sample analyses, the method employed by the discharger must be identified in the monitoring report submitted to the Regional Board Executive Officer and the Regional Administrator (EPA).

3. All analyses shall be performed in a laboratory approved to perform such analyses by the California State Department of Health. In the event that an approved laboratory is not available to the discharger, the Executive Officer may authorize the submittal of analyses performed by a nonapproved laboratory provided that (a) the laboratory submit an application for approval to the California State Department of Health within six months of the date of this Order and (b) the laboratory receives approval from the Department of Health within two years of the date of this Order.
4. The laboratory which performs the sample analyses must be identified in all monitoring reports submitted to the Regional Board Executive Officer and the Regional Administrator (EPA).
5. Effluent samples shall be taken downstream of the last addition of waste to the treatment or discharge works where a representative sample may be obtained prior to mixing with the receiving waters.
6. All monitoring instruments and devices used by the discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy.

C. DEFINITIONS

1. The "30-day average" concentration, expressed as milligrams per liter (mg/l), other than for fecal or total coliform bacteria, means the arithmetic mean of measurements made during a 30 consecutive calendar-day period. The 30-day average concentration for fecal or total coliform bacteria means the geometric mean of measurements made during a 30 consecutive calendar-day period. The geometric mean is the n th root of the product of n numbers. If fewer than four measurements are made during a 30 consecutive calendar-day period, then compliance or non-compliance with the 30-day average concentration limitation shall not be determined.
2. The "30-day average" discharge expressed as pounds per day (lb/day), means the total discharge of a constituent by weight during a 30 consecutive calendar-day period, divided by the number of days in the period that the discharge occurred. Where sampling less frequent than daily is required by this Order, the 30-day average discharge shall be determined by the summation of all the measured daily discharges by weight divided by the number of days during the 30 consecutive calendar-day period when the measurements were made.

If fewer than three measurements are made during a 30 consecutive calendar-day period, then compliance or noncompliance with the 30-day average discharge limitation shall not be determined.

3. The "Daily maximum" concentration means the concentration measurement made on any single sample whether discrete or composite.
4. A grab sample is an individual sample collected in fewer than 15 minutes.
5. A composite sample is a combination of no fewer than eight individual samples obtained at equal time intervals over the specified sampling period. The volume of each individual sample is proportional to the discharge flow rate at the time of sampling. The sampling period shall be specified in the monitoring and reporting program ordered by the Executive Officer.