

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SAN DIEGO REGION

ORDER NO. 74-91

NPDES NO. CA0001368

IMS NO. 9372010031

WASTE DISCHARGE REQUIREMENTS
FOR
SAN DIEGO GAS AND ELECTRIC COMPANY
SOUTH BAY POWER PLANT
SAN DIEGO COUNTY

THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, SAN DIEGO REGION, (HEREAFTER BOARD), FINDS THAT:

1. SAN DIEGO GAS AND ELECTRIC COMPANY (HEREAFTER DISCHARGER), BY APPLICATION No. 075-0YQ-2-000181, DATED JUNE 30, 1971, HAS APPLIED FOR WASTE DISCHARGE REQUIREMENTS AND A PERMIT TO DISCHARGE WASTES UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM.
2. THE DISCHARGER PRESENTLY DISCHARGES WASTES FROM THE PRODUCTION OF ELECTRICAL POWER IN A GAS AND OIL FIRED STEAM-ELECTRIC GENERATING PLANT, WITH A ONCE THROUGH SALT WATER COOLING SYSTEM, LOCATED AT 990 BAY BOULEVARD, CHULA VISTA. THE WASTES ARE DISCHARGED TO SAN DIEGO BAY, A WATER OF THE UNITED STATES, AT LATITUDE $32^{\circ}36'33''$ NORTH AND LONGITUDE $117^{\circ}6'49''$ WEST (END OF COOLING BASIN).
3. THE REPORT OF WASTE DISCHARGE DESCRIBES ONE EXISTING DISCHARGE AS FOLLOWING:

DISCHARGE 001 COOLING WATER

AVERAGE FLOW: 434.29 MILLION GALLONS PER OPERATING DAY
AVERAGE TEMPERATURE: 78°F SUMMER; 61°F WINTER
TOTAL SUSPENDED SOLIDS: 61 MG/L DAILY AVERAGE
IRON, TOTAL: 0.04 MG/L DAILY AVERAGE

4. THE COOLING WATER INTAKE IS LOCATED AT AN INTAKE CHANNEL AT LATITUDE $32^{\circ}36'50''$ NORTH AND LONGITUDE $117^{\circ}5'48''$ WEST AND DRAWS WATER FROM A DEPTH OF 15 FEET FROM MLLW. THE VELOCITY AT THE POINT OF INTAKE AND AT THE TRAVELING SCREENS IS VARIABLE AND DEPENDENT ON TIDAL STAGE.
5. THE DISCHARGE IS PRESENTLY GOVERNED BY WASTE DISCHARGE REQUIREMENTS RESOLUTION No. 69-R3, WHICH ALLOWS DISCHARGE TO SAN DIEGO BAY.
6. AN INTERIM WATER QUALITY CONTROL PLAN FOR THE SAN DIEGO BASIN WAS ADOPTED BY THE BOARD ON JUNE 14, 1971. THE INTERIM BASIN PLAN CONTAINS WATER QUALITY OBJECTIVES FOR SAN DIEGO BAY.

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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 SAN DIEGO BAY.
8. EFFLUENT LIMITATIONS, NATIONAL STANDARDS OF PERFORMANCE, TOXIC AND PRETREATMENT 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.
9. THE BENEFICIAL USES OF SAN DIEGO BAY ARE:
 - A. INDUSTRIAL SUPPLY
 - B. WATER CONTACT RECREATION
 - C. AESTHETIC ENJOYMENT
 - D. COMMERCIAL FISHING AND SHELLFISH HARVESTING
 - E. NAVIGATION
 - F. SCIENTIFIC STUDY, RESEARCH, AND TRAINING
 - G. MARINE HABITAT
 - H. MILITARY EXERCISES
 - I. CLAMMING AND SHELLFISH HARVESTING
10. THE DISCHARGER AND INTERESTED AGENCIES AND PERSONS HAVE BEEN NOTIFIED OF THE BOARD'S INTENT TO PRESCRIBE REVISED REQUIREMENTS FOR THE EXISTING DISCHARGE AND HAVE BEEN PROVIDED WITH THE OPPORTUNITY FOR A PUBLIC HEARING AND THE OPPORTUNITY TO SUBMIT THEIR WRITTEN VIEWS AND RECOMMENDATIONS.
11. THE BOARD, IN A PUBLIC MEETING, HEARD AND CONSIDERED ALL COMMENTS PERTAINING TO THE DISCHARGE.

IT IS HEREBY ORDERED, PURSUANT TO THE PROVISIONS OF DIVISION 7 OF THE CALIFORNIA WATER CODE AND REGULATIONS ADOPTED THEREUNDER, AND TO THE PROVISION OF THE FEDERAL WATER POLLUTION CONTROL ACT AS AMENDED, AND REGULATIONS AND GUIDELINES ADOPTED THEREUNDER, THAT THE DISCHARGER SHALL COMPLY WITH THE FOLLOWING:

A. DISCHARGE REQUIREMENTS

1. EXISTING WASTE DISCHARGE REQUIREMENTS, RESOLUTION No. 69-R3, SHALL REMAIN IN EFFECT.
2. PURSUANT TO SECTION 13379 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 CONTAINED IN RESOLUTION No. 69-R3, THIS ORDER WILL CONTROL.
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, RESOLUTION No. 69-R3, SHALL REMAIN IN EFFECT. THE EXECUTIVE OFFICER MAY REVISE OR AMEND THIS PROGRAM FOR THE PURPOSE OF GATHERING DATA ON LOW VOLUME WASTE SOURCES WHICH ARE SUBJECT TO CONTROL BY APPLICABLE REGULATIONS.
4. WITHIN TWELVE (12) MONTHS OF THE DATE OF ADOPTION OF THIS ORDER, THE DISCHARGER SHALL SUBMIT ANY REQUESTS FOR EXCEPTIONS ALLOWED BY 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 FWPCA, THE REQUEST SHALL BE MADE BY THE PRESCRIBED DATE.
5. WITHIN TWELVE (12) MONTHS OF THE DATE OF ADOPTION 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."
8. THIS ORDER EXPIRES EIGHTEEN (18) MONTHS FROM THE DATE OF ITS ADOPTION. 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. SUBSEQUENT WASTE DISCHARGE REQUIREMENTS WILL IMPLEMENT ALL APPLICABLE PROVISIONS OF THOSE LAWS AND REGULATIONS REFERENCED IN DISCHARGE REQUIREMENTS A.2 AND A.3.

ORDER No. 74-91

I, LEONARD BURTMAN, 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, SAN DIEGO REGION, ON DECEMBER 9, 1974.

Leonard Burtman

LEONARD BURTMAN
EXECUTIVE OFFICER

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SAN DIEGO REGION

December 9, 1974

STANDARD PROVISIONS
AND REPORTING REQUIREMENTS FOR
STEAM ELECTRIC POWERPLANTS

A. 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 (714/286-5114) 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
 - (b) 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.

B. 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 noncompliance 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 frequently 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 four 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 8 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.

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 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
San Diego Region
6154 Mission Gorge Road
Suite 205
San Diego, CA 92120
 - b. Regional Administrator, ENCMR
Environmental Protection Agency
Region IX
100 California Street
San Francisco, CA 94111