CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 79-10 (Revision No. 2)
FOR
IMPERIAL IRRIGATION DISTRICT - EL CENTRO STEAM POWER PLANT
El Centro - Imperial County

Location of Discharge: SE¼, Section 32, T15S, R14E, SBB&M

Effluent Monitoring

Wastewater discharged into Central Drain No. 5, and wastewater from each of the source waste streams designated in the Effluent Limitations, shall be monitored separately and reported as follows:

Constituent	Unit	Type of Sample	Sampling Frequency	Waste* Stream
Total Suspended Solids	lbs/day mg/l	Grab	Weekdays	a,b,d
Copper, Total (Cu)	lbs/day mg/l	Grab	Weekdays	b
Iron, Total (Fe)	lbs/day mg/l	Grab	Weekdays	b
Total Residual Chlorine	mg/l	Grab	Weeksdays	d
Free Available Chlorine	lbs/day mg/l	Grab	Weekdays	c

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* a) Low volume waste sources

b) Boiler Blowdown

c) Cooling water blowdown

d) Discharge to Central Drain No. 5

Constituent	Unit	Type of Sample	Sampling Frequency	Waste* Stream
Zinc (Zn)**	lbs/day mg/l	Grab	Weeksdays	c, d
Chromium (Cr)**	lbs/day mg/l	Grab	Weekdays	c, d
Phosphorus (P)	lbs/day mg/l	Grab	Weekdays	c
Total Dissolved Solids	mg/l	6-Hr. Composite	Monthly	d
20 C BOD	mg/l	6-Hr. Composite	Monthly	d
Settleable Matter	ml/l	Grab	Monthly	d
Oil and Grease	lbs/day mg/l	Grab	Monthly	a, b
Flow of each waste stream in GPD			Daily	
Flow discharge to Central Drain No. 5, in GPD			Daily	

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* a) Low volume waste sources

b) Boiler blowdown

c) Cooling water blowdown

d) Discharge to Central Drain No. 5

** A Statement in each report that no additives containing chromium or zinc are being used may be submitted in lieu of an analysis for these constituents.

Reporting

The discharger shall inform the Regional Board concerning the location of all sampling stations for the above monitoring, and also, the proposed combination of source waste streams for treatment and/or monitoring.

Monthly and daily monitoring reports shall be submitted to the Regional Board by the 15th day of the following month. The annual monitoring report shall be submitted by December 31 or each year.

The discharger shall implement the above monitoring program within 30 days of the effective date of this Order.

Forward monitoring reports to:

California Regional Water Quality Control Board
Colorado River Basin Region
73-721 Highway 111, Suite 21
Palm Desert, CA 92260

and

Regional Administrator
Environmental Protection Agency
Region IX, Attn: 65/MR
215 Fremont Street
San Francisco, CA 94105

Ordered by Arthur Sevajian
Executive Officer

November 4, 1982
Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 79-10 (Revision No. 1)
FOR
IMPERIAL IRRIGATION DISTRICT - EL CENTRO STEAM POWER PLANT
El Centro - Imperial County

Location of Discharge: SE¼, Section 32, T15S, R14E, SBB&M

Effluent Monitoring

Wastewater discharged into Central Drain No. 5, and wastewater from each of the source waste streams designated in the Effluent Limitations, shall be monitored separately and reported as follows:

Constituent	Unit	Type of Sample	Sampling Frequency	Waste* Stream
Total Suspended Solids	lbs/day mg/l	Grab	Daily	a,b,d
Copper, Total (Cu)	lbs/day mg/l	Grab	Daily	b
Iron, Total (Fe)	lbs/day mg/l	Grab	Daily	b
Total Residual Chlorine	mg/l	Grab	Daily	d
Free Available Chlorine	lbs/day mg/l	Grab	Daily	c

* a) Low volume waste sources

b) Boiler blowdown

c) Cooling water blowdown

d) Discharge to Central Drain No. 5

Constituent	Unit	Type of Sample	Sampling Frequency	Waste* Stream
Zinc (Zn)**	lbs/day mg/l	Grab	Daily	c, d
Chromium (Cr)**	lbs/day mg/l	Grab	Daily	c, d
Phosphorus (P)	lbs/day mg/l	Grab	Daily	c
Total Dissolved Solids	mg/l	6-Hr. Composite	Monthly	d
20 C BOD	mg/l	6-Hr. Composite	Monthly	d
Settleable Matter	ml/l	Grab	Monthly	d
Oil and Grease	lbs/day mg/l	Grab	Monthly	a, b
Flow of each waste stream in GPD			Daily	
Flow discharge to Central Drain No. 5, in GPD			Daily	

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* a) Low volume waste sources

b) Boiler blowdown

c) Cooling water blowdown

d) Discharge to Central Drain No. 5

** A Statement in each report that no additives containing chromium or zinc are being used may be submitted in lieu of an analysis for these constituents.

Reporting

The discharger shall inform the Regional Board concerning the location of all sampling stations for the above monitoring, and also, the proposed combination of source waste streams for treatment and/or monitoring.

Monthly and daily monitoring reports shall be submitted to the Regional Board by the 15th day of the following month. The annual monitoring report shall be submitted by December 31 of each year.

The discharger shall implement the above monitoring program within 30 days of the effective date of this Order.

Forward monitoring reports to:

California Regional Water Quality Control Board
Colorado River Basin Region
73-271 Highway 111, Suite 21
Palm Desert, CA 92260

and

Regional Administrator
Environmental Protection Agency
Region IX, Attn: 65/MR
215 Fremont Street
San Francisco, CA 94105

Ordered by Arthur Unger
Executive Officer

July 8, 1980
Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 79-10
NPDES NO. CA0104248

WASTE DISCHARGE REQUIREMENTS
FOR
IMPERIAL IRRIGATION DISTRICT - EL CENTRO STEAM POWER PLANT
El Centro - Imperial County

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

1. Imperial Irrigation District (hereinafter also referred to as the discharger), 333 East Main Street, Imperial, CA, 92251, submitted an updated NPDES Application for Permit to Discharge dated September 13, 1978. Said application is assigned Application No. CA0104248.

2. Self-Monitoring Reports for a twelve-month period, September 1977 through August 1978, shows discharge of the following flows:

a.	Peak day discharge	388,000 gallons
b.	Peak week discharge	321,000 gallons-per-day
c.	Peak month discharge	251,000 gallons-per-day
d.	Twelve month average	152,000 gallons-per-day

3. The discharger estimates the peak day discharge for the next five years at 513,000 gallons and the peak month discharge at 330,000 gallons-per-day.

4. The discharger reports that there is no discharge to surface waters of

   a. bottom ash transport water

   b. fly ash transport water

   c. metal cleaning wastes, and

   d. once through condenser water

5. Wastewaters from this facility other than as set forth herein as being discharged to surface waters, are discharged into evaporation basins governed by waste discharge requirements contained in Board Order No. 77-68.

Superseded by 83-88.

6. The discharge is into Central Drain No. 5, within the NE 1/4, Section 32, T15S, R14E, SBB&M. The wastewater flows approximately one mile to Central Drain, and then flows 6 1/2 miles and enters Alamo River at a point 38.75 miles from Salton Sea.

7. The Water Quality Control Plan for the West Colorado River Basin Region was adopted on April 10, 1975. The Basin Plan contains water quality objectives for Imperial Hydrologic Unit.

8. Beneficial uses of Imperial Valley Irrigation drains that discharge to Alamo River, which are to be protected by this Order are as follows:

   a. Transport of dissolved solids to Salton Sea for agricultural soil salinity control.

   b. Freshwater replenishment for Salton Sea.

   c. Warm freshwater habitat

   d. Recreation - nonwater contact.

9. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000) of Division 13 of the Public Resources Code in accordance with Water Code Section 13389.

10. The discharge has been subject to waste discharge requirements adopted in Order No. 74-9 (NPDES No. CA0104248) which allows discharge to Central Drain No. 5.

11. The Board has notified the discharger and interested agencies and persons of its intent to update requirements for the existing 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 heard and considered all comments pertaining to the discharge.

13. 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 ten days from date of hearing provided the Regional Administrator has no objections.

IT IS HEREBY ORDERED, Imperial Irrigation District, 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. Effluent Limitations

Low Volume Waste Sources

1. The quantity of pollutants discharged from low volume waste sources shall not exceed the quantity determined by multiplying the flow of low volume waste sources times the concentration listed in the following table:

Effluent characteristic	Maximum for any one day	Average of daily values for thirty consecutive days shall not exceed-
TSS*	100 mg/l	30 mg/l
Oil and Grease	20 mg/l	15 mg/l

Boiler Blowdown

2. The quantity of pollutants discharged in boiler blowdown shall not exceed the quantity determined by multiplying the flow of boiler blowdown times the concentration listed in the following table:

Effluent characteristic	Maximum for any one day	Average of daily values for thirty consecutive days shall not exceed-
TSS*	100 mg/l	30 mg/l
Oil and Grease	20 mg/l	15 mg/l
Copper, Total(Cu)	1.0 mg/l	1.0 mg/l
Iron, Total(Fe)	1.0 mg/l	1.0 mg/l

*TSS means Total Suspended Solids.

Cooling Tower Blowdown

3. The quantity of pollutants discharged in cooling tower blowdown shall not exceed the quantity determined by multiplying the flow of cooling tower blowdown times the concentration listed in the following table:

Effluent characteristic	Maximum concentration	Average concentration
Free available chlorine	0.5 mg/l	0.2 mg/l

Effluent characteristic	Maximum for any one day	Average of daily values for thirty consecutive days shall not exceed-
Zinc (Zn)	1.0 mg/l	1.0 mg/l
Chromium (Cr)	0.2 mg/l	0.2 mg/l
Phosphorus (P)	5.0 mg/l	5.0 mg/l

Total Discharge to Central Drain No. 5

4. The quantity of pollutants discharged to Central Drain No. 5 shall not exceed the following:

	Constituent	Unit	Maximum For Any One Day	Average of Daily Values For 30 Consecutive Days Shall Not Exceed
a.	Total dissolved solids	lbs/day mg/l	19,300 4,500	17,100 4,000
b.	20°C BOD_5	lbs/day mg/l	171 40	86 20
c.	Settleable matter	ml/l	1.0	0.3
d.	Zinc	lbs/day mg/l	1.28 0.3	-- --
e.	Chromium(Total)	lbs/day mg/l	0.21 0.05	-- --

5. The pH of the discharge to Central Drain No. 5 shall be within the range of 6.0 to 9.0.

6. There shall be no discharge of polychlorinated biphenyl compounds.

7. Neither free available chlorine nor total residual chlorine may be discharged from any generating unit for more than two hours in any one day and not more than one unit may discharge free available or total residual chlorine at any one time.

8. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder.

B. Provisions

1. Neither the treatment nor the discharge of waste shall cause a pollution or a nuisance.

2. In the event that waste streams from various sources are combined for treatment or discharge, the quantity of each pollutant or pollutant property set forth in Effluent Limitations A.1, 2, and 3, attributable to each controlled waste source shall not exceed the specified limitation for that waste source.

3. Adequate protective works shall be provided to assure that a flood which would be expected to occur on a frequency of once in a 100-year period, would not erode or otherwise render portions of the treatment and discharge facilities inoperable.

4. This Order supersedes this Board's Order No. 74-9.

5. This Order includes the attached "Monitoring and Reporting Program No. 79-10", and future revisions thereto, as specified by the Executive Officer

6. This Order includes the attached "Standard Provisions and Reporting Requirements".

7. "This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under sections 301 (b)(2) (C), and (D), 304 (b) (2), and 307 (a) (2) of the Clean Water Act, if the effluent standard or limitaion so issued or approved:

(1) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or

(2) Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable."

8. This Order expires five (5) years from January 17, 1979, and the discharger shall file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as an application for issuance of new waste discharge requirements.

I, Arthur Swajian, 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, Colorado River Basin Region, on January 17, 1979.

Arthur Swajian

Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 79-10
FOR
IMPERIAL IRRIGATION DISTRICT - EL CENTRO STEAM POWER PLANT
El Centro - Imperial County

Location of Discharge: SE 1/4, Section 32, T15S, R14E, SBB&M

Effluent Monitoring

Wastewater discharged into Central Drain No. 5, and wastewater from each of the source waste streams designated in the Effluent Limitations, shall be monitored separately and reported as follows:

Constituent	Unit	Type of Sample	Sampling Frequency	Waste* Stream
Total Suspended Solids	lbs/day mg/l	Grab	Daily	a,b,d
Oil and Grease	lbs/day mg/l	Grab	Daily	a,b
Copper, Total (Cu)	lbs/day mg/l	Grab	Daily	b
Iron, Total (Fe)	lbs/day mg/l	Grab	Daily	b
Total Residual Chlorine	mg/l	Grab	Daily	d
Free Available Chlorine	lbs/day mg/l	Grab	Daily	c

* a) Low volume waste sources

b) Boiler blowdown

c) Cooling water blowdown

d) Discharge to Central Drain No. 5

Constituent	Unit	Type of Sample	Sampling Frequency	Waste* Stream
Zinc (Zn)**	lbs/day mg/l	Grab	Daily	c,d
Chromium (Cr)**	lbs/day mg/l	Grab	Daily	c,d
Phosphorus (P)	lbs/day mg/l	Grab	Daily	c
Total Dissolved Solids	mg/l	6-Hr. Composite	Monthly	d
20°C BOD_5	mg/l	6-Hr. Composite	Monthly	d
Settleable Matter	ml/l	Grab	Monthly	d
Flow of each waste stream in GPD			Daily	
Flow discharged to Central Drain No. 5, in GPD			Daily	

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* a) Low volume waste sources

b) Boiler blowdown

c) Cooling water blowdown

d) Discharge to Central Drain No. 5

** A Statement in each report that no additives containing chromium or zinc are being used may be submitted in lieu of an analysis for these constituents.

Reporting

The discharger shall inform the Regional Board concerning the location of all sampling stations for the above monitoring, and also, the proposed combination of source waste streams for treatment and/or monitoring.

Monthly and daily monitoring reports shall be submitted to the Regional Board by the 15th day of the following month. The annual monitoring report shall be submitted by December 31 of each year.

The discharger shall implement the above monitoring program within 30 days of the effective date of this Order.

Forward monitoring reports to:

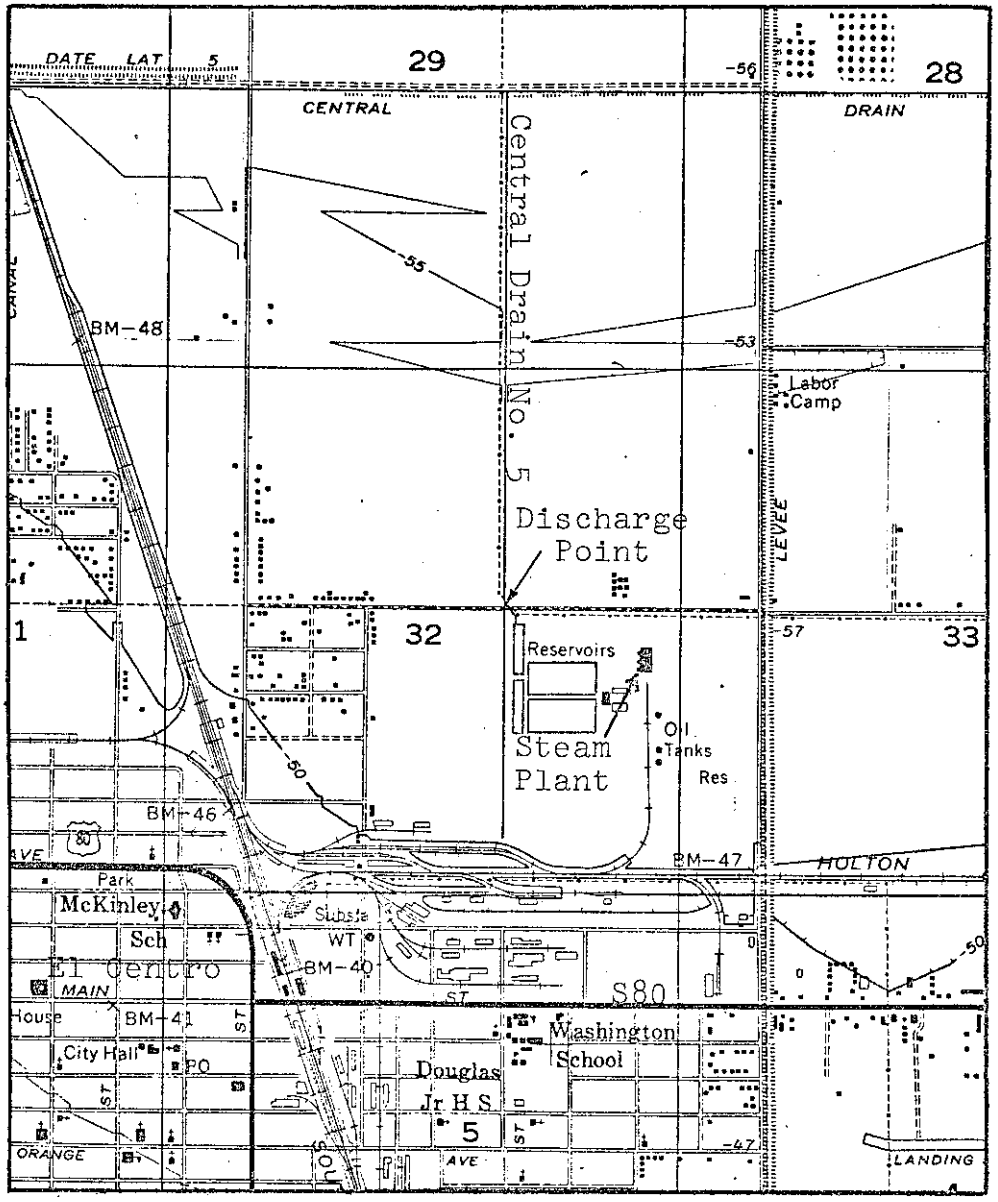
California Regional Water Quality Control Board
Colorado River Basin Region
73-271 Highway 111, Suite 21
Palm Desert, CA 92260

and

Regional Administrator
Environmental Protection Agency
Region IX, Attn: 65/MR
215 Fremont Street
San Francisco, CA 94105

Ordered by: Arlton Sevajian
Executive Officer

January 17, 1979
Date



SITE MAP

IMPERIAL IRRIGATION DISTRICT - EL CENTRO STEAM POWER PLANT

El Centro - Imperial County
Discharge Point: NE 1/4 of Section 32, T15S, R14E, SBB&M
USGS El Centro 7.5 min. Topographic Map

Order No. 79-10

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

STANDARD PROVISIONS AND REPORTING REQUIREMENTS FOR INDUSTRIAL DISCHARGES

A. General Provisions:

1. 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.

2. The discharger shall permit the Regional Board and the Environmental Protection Agency:
   (a) Entry upon premises in which an effluent source is located or in which any required records are kept;
   (b) Access to copy any records required to be kept under terms and conditions of this order;
   (c) Inspection of monitoring equipment or records; and
   (d) Sampling of any discharge.

3. 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.

4. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:
   (a) Violation of any term or condition contained in this Order;
   (b) Obtaining this Order by misrepresentation, or failure to disclose fully all relevant facts;
   (c) A change in any condition that required either a temporary or permanent reduction or elimination of the authorized discharge.

5. If a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Federal Water Pollution Control Act, or amendments thereto, for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such

pollutant in this Order, the Board will revise or modify this Order in accordance with such toxic effluent standard or prohibition and so notify the discharger.

6. If more stringent applicable water quality standards are approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this order in accordance with such more stringent standards.

7. The provisions of this Order are severable, and if any provision of this Order, or the application of any provision of this Order to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Order shall not be affected thereby.

8. Safeguard to electric power failure:
   a) The discharger shall, within ninety (90) days of the effective date of this permit, submit to the Regional Board and the Regional Administrator a description of the existing safeguards provided to assure that, should there be reduction, loss, or failure of electric power, the discharger shall comply with the terms and conditions of this Order. Such safeguards may include alternate power sources, standby generators, retention capacity, operating procedures or other means. A description of the safeguards provided shall include an analysis of the frequency, duration, and impact of power failures experienced over the past five years on effluent quality and on the capability of the discharger to comply with the terms and conditions of the Order. The adequacy of the safeguards is subject to the approval of the Regional Board.

   b) Should the treatment works not include safeguards against reduction, loss, or failure of electric power, or, should the Regional Board not approve the existing safeguards, the discharger shall, within ninety (90) days of the effective date of this Order or within ninety (90) days of having been advised by the Regional Board that the existing safeguards are inadequate, provide to the Regional Board and the Regional Administrator a schedule of compliance for providing safeguards such that in the event of reduction, loss, or failure of electric power, the permittee shall comply with the terms and conditions of this permit. The schedule of compliance shall, upon approval of the Regional Board become a condition of this Order.

9. 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.

10. 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 Federal Water Pollution Control 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.

11. The discharger shall take all reasonable steps to minimize any adverse impact to receiving waters resulting from noncompliance with any effluent limitations specified in this Order, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

12. 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.

13. The discharger shall ensure compliance with any existing or future pretreatment standard promulgated by EPA under Sections 307 of the Federal Water Pollution Control Act or amendment thereto, for any discharge to the municipal system.

14. The discharge of any radiological, chemical, or biological warfare agent or high level radiological waste is prohibited.

B. Provisions for Monitoring:

1. Water quality analysis shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.

2. The laboratory which performs the sample analysis must be identified in all monitoring reports submitted to the Regional Board Executive Officer and the Regional Administrator (EPA).

3. 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.

4. 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. 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. 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) 346-7491 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 being taken to prevent recurrences.

3. This Board requires the discharger to file with the Board, within ninety (90) days after the effective date of this Order, a technical report on his preventive (failsafe) and contingency (cleanup) plans for controlling accidental dischargers, and for minimizing the effect of such events. The technical report should:

a. Identify the possible sources of accidental loss, untreated waste bypass, and contaminated drainage. Loading and storage areas, power outage, waste treatment unit outage, and failure of process equipment, tanks and pipes should be considered.

b. Evaluate the effectiveness of present facilities and procedures and state when they became operational.

Describe facilities and procedures needed for effective preventive and contingency plans.

c. Predict the effectiveness of the proposed facilities and procedures and provide an implementation schedule containing interim and final dates when they will be constructed, implemented, or operational. (Reference: Sections 13267 (b) and 13268, California Water Code.

This Board, after review of the technical report, may establish conditions which it deems necessary to control accidental discharges to minimize the effects of such events. Such conditions may be incorporated as part of this Order, upon notice to the discharger.

4. Monitoring reports shall be submitted on forms to be supplied by the Board to the extent that the information reported may be entered on the forms. The results of all monitoring required by this Order shall be reported to the Board, and shall be submitted in such a format as to allow direct comparison with the limitations and requirements of this Order. Unless otherwise specified, discharge flows shall be reported in terms of the 30-day average and the daily maximum discharge flows.

5. The discharger shall file with the Board a report on waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.

6. The results of any analysis of samples taken more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported to the Board.

D. 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. The discharger shall submit such information, in writing, within two weeks of becoming aware of noncompliance.

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. All 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 discharger shall mail a copy of each monitoring report on the appropriate form to be supplied by the Board and any other reports required by this Order to:

a. California Regional Water Quality Control Board
Colorado River Basin Region
73-271 Highway 111, Suite 21
Palm Desert, CA 92260

b. A copy of such monitoring report for those discharges designated as a major discharge shall be mailed to:

Regional Administrator
Environmental Protection Agency
Region 9, Attention: E-5-1
100 California Street
San Francisco, CA 94111

E. Definitions:

1. The daily discharge rate is obtained from the following calculation for any calendar day:

$$\text{Daily discharge rate (lbs/day)} = \frac{8.34}{N} \sum_{1}^{N} Q_i \; c_i$$

$$\text{Daily discharge rate (kg/day)} = \frac{3.78}{N} \sum_{1}^{N} Q_i \; c_i$$

in which N is the number of samples analyzed in any calendar day. Q_i and c_i are the flow rate (MGD) and the constituent concentration (mg/l) respectively, which are associated with each of the N grab samples which may be taken in any calendar day. If a composite sample is taken, c_i is the concentration measured in the composite sample and Q_i is the average flow rate occurring during the period over which samples are composited.

2. The "30-day, or 7-day average" discharge is the total discharge by weight during a 30, or 7, consecutive calendar day period, respectively, divided by the number of days in the period that the facility was discharging. Where less than daily sampling is required by this permit, the 30-day or 7-day, average discharge shall be determined by the summation of all the measured discharges by weight divided by the number of days during the 30, or 7, consecutive calendar day period when the measurements were made.

   If fewer than four measurements are made during a 30, or 7-day, consecutive calendar day period, then compliance or noncompliance with the 30, or 7, day average discharge limitation shall not be determined.

   For other than 7-day or 30-day periods, compliance shall be based upon the average of all measurements made during the specified period. If fewer than four measurements are made during the period, compliance shall be based upon the last four consecutive samples.

3. The "daily maximum" discharge means the total discharge weight during any calendar day.

4. The "30-day, or 7-day average" concentration other than for fecal or total coliform bacteria, is the arithmetic mean of measurements made during a 30, or 7, consecutive calendar day period, respectively. The "30-day, or 7-day average" concentration for fecal or total coliform bacteria is the geometric mean of measurements made during a 30, or 7, consecutive calendar day period, respectively. The geometric mean is the n^{th} root of the product of n numbers.

   If fewer than four measurements are made during a 30, or 7, consecutive calendar day period, then compliance or noncompliance with the 30, or 7, day average concentration limitation shall not be determined.

5. The "daily maximum" concentration is defined as the measurement made on any single discrete sample or composite sample.

6. A "grab" sample is defined as any individual sample collected in less than 15 minutes.

7. A composite sample is a combination of no fewer than 3 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.

8. An "industry" is defined as any facility identified in the Standard Industrial Classification Manual, 1972 Office of Management and Budget, as amended and supplemented, under the following divisions:

   a. Division A - Agriculture, Forestry, and Fishing

   b. Division B - Mining

   c. Division D - Manufacturing

   d. Division I - Services

   A facility in the Divisions listed may be excluded if it is determined by the Board that it introduces primarily domestic wastes or wastes from sanitary conveniences.

9. "Prohibited wastes" is any of the following wastes, which shall not be introduced into the treatment works:

   a. Wastes which create a fire or explosion hazard in the treatment works;

   b. Wastes which will cause corrosive structural damage to treatment works, but in no case wastes with a pH lower than 5.0 unless the works is designed to accommodate such wastes;

   c. Solid or viscous wastes in amounts which would cause obstruction to the flow in sewers, or other interference with the proper operation of the treatment works, or;

   d. Wastes at a flow rate and/or pollutant discharge rate which is excessive over relatively short time periods so that there is a treatment process upset and subsequent loss of treatment efficiency.