

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

ORDER NO. 5-00-175

NPDES NO. CAG995001

WASTE DISCHARGE REQUIREMENTS
GENERAL ORDER FOR
DEWATERING AND OTHER LOW THREAT DISCHARGES
TO SURFACE WATERS

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

1. Miscellaneous public and private businesses (hereafter Discharger) often need to discharge clean or relatively pollutant-free wastewater that poses little or no threat to water quality. This General Permit covers the discharge of certain categories of these discharges to waters of the United States.
2. The following discharges may be covered by this permit provided they do not contain significant quantities of pollutants and they are either (1) four months or less in duration, or (2) the average dry weather discharge does not exceed 0.25 mgd:
 - a. Well development water
 - b. Construction dewatering
 - c. Pump/well testing
 - d. Pipeline/tank pressure testing
 - e. Pipeline/tank flushing or dewatering
 - f. Condensate discharges
 - g. Water supply system discharges
 - h. Miscellaneous dewatering/low threat discharges

These wastewaters may be produced and treated on a continuous or batch basis.

3. Individual waste discharge requirements are presently adopted for these discharges, necessitating approximately four or more months of lead time for the project. Adoption of this general permit will significantly reduce the time spent on dewatering and other low water quality threat projects.
4. Water quality characteristics most likely of concern for these discharges include settleable material, suspended material, color, turbidity and chlorine. Dischargers should hire professional

engineers to assure pollutants will be properly treated prior to discharge if there is any doubt about the ability for continuous compliance with requirements.

5. This permit is intended to regulate dewatering and other low water quality threat discharges identified in Finding No. 2. It is not intended for ground water cleanup projects or to regulate discharges that contain acute or chronic toxicity, chemical or organic constituents, bacteria, herbicides, pesticides, oil and grease, radioactivity, salinity or temperature that may adversely impact beneficial uses or exceed any water quality objective or standard.

There are many sites of ground water contamination in the Central Valley. The contamination may have been caused by many factors including industrial activity, underground leaking tanks and farming practices. This permit is not intended for use on groundwater where such contamination exists even if the project and/or proponent has no connection with the contamination.

6. Water suppliers may have numerous intentional and unintentional releases of fresh water to surface waters and surface water drainage courses due to many factors including system failures, pressure releases, and pipeline/tank flushing and dewatering. For the purpose of this Order these multiple discharges shall be considered a project. This General Permit may serve as waste discharge requirements for such public and private water suppliers including Irrigation Districts, Water Districts and Water Agencies. A Pollution Prevention and Monitoring and Reporting Plan may be developed by the Discharger as established in Attachment B for approval by the Regional Board Executive Officer. Compliance with this General Permit requires removal of chlorine and other constituents normally found in these discharges to provide protection of downstream beneficial uses including fish and other aquatic life.
7. The Discharger agrees immediately to stop any discharge authorized by these requirements in the event there is a violation, or threatened violation, of this permit or if the Regional Board Executive Officer so orders. The Discharger shall notify the Board as soon as is reasonably possible by telephone, with a written confirmation within two weeks, when a violation of this Order is known to exist. The discharge may not be resumed until authorized by the Executive Officer.
8. The Board may prescribe individual waste discharge requirements for any discharge. If individual waste discharge requirements are issued for a discharge, the applicability of this General Permit to the discharge is immediately terminated.
9. This Order shall apply to the individuals, municipalities or companies discharging and to individual property owners and/or operators (collectively Discharger) which have submitted a Notice of Intent (NOI) and appropriate fee for coverage under this General Order. Dischargers that meet the standards of this Order and who submit a completed NOI and appropriate fee are authorized to discharge under the terms and conditions of this General Permit unless individual waste discharge requirements are issued or the discharge is prohibited.

10. A separate NOI and filing fee must be filed with the Regional Board for each system owner or project to be eligible for coverage under this Order. The NOI form (Attachment A) must be completed in order to obtain coverage under this permit.
11. The U.S. Environmental Protection Agency (EPA) and the Board generally classify this type of discharge as a minor discharge. If an individual discharge is classified as a major discharge, it will not be covered by this General Permit.
12. This Order does not preempt or supersede the authority of the State Department of Fish and Game or local agencies to prohibit, restrict, or control the discharge of wastewater subject to their control.
13. On 17 April 1997, the State Water Resources Control Board adopted Waste Discharge Requirements, Order No. 97-03-DWQ, NPDES General Permit No. CAS000001 for the regulation of storm water discharges associated with industrial activities. Order No. 97-03-DWQ, Special Condition D-1, authorizes non-storm water discharges including fire hydrant flushing, potable water sources, including potable water related to the operation, maintenance, or testing of potable water systems, drinking fountain water, atmospheric condensates including refrigeration, air conditioning, and compressor condensate, irrigation drainage, landscape watering, springs, groundwater, foundation or footage drainage, sea water infiltration and discharges from fire fighting activities. Order No. 97-03-DWQ, Special Condition No. D-1-c, allows the Regional Board to establish additional monitoring and reporting requirements for these storm water discharges. The Board finds that the additional monitoring and reporting requirements and discharge limitations contained in this Order are necessary to assure compliance with water quality objectives and standards and that coverage under this Order is therefore necessary for the following discharges listed in Order No. 97-03-DWQ, Special Condition No. D-1: fire hydrant flushing; potable water sources, including potable water related to the operation, maintenance, or testing of potable water systems, atmospheric condensates including refrigeration, air conditioning and compressor condensate, and groundwater dewatering systems.

On 19 August 1999, the State Water Resources Control Board adopted Waste Discharge Requirements, Order No. 99-08-DWQ, NPDES General Permit No. CAS000002 for the regulation of storm water discharges associated with construction activities. Order No. 99-08-DWQ, Special Provision No. C. 3, allows for the limited discharge of non-stormwater discharges where they do not cause or contribute to a violation of any water quality standard. Receiving Water Limitations in Order No. 99-08-DWQ require compliance with all applicable water quality standards including those contained in the Basin Plan. The Board finds that Order No. 99-08-DWQ provides adequate water quality protection and compliance monitoring. Non-stormwater discharges related to construction activities may continue to be regulated under Order No. 99-08-DWQ while construction activities continue.

14. The Board has adopted a Water Quality Control Plan, 4th Edition, for the Sacramento/San Joaquin River Basins (hereafter Basin Plan). The Board has also adopted a Water Quality Control Plan for the Tulare Lake Basin (5D). The Basin Plans designate beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve water quality objectives for all waters of the Basin. This Order implements the Plans.

15. EPA adopted the National Toxics Rule on 5 February 1993 and the California Toxics Rule (CTR) on 18 May 2000. The State Board has adopted an Implementation Plan for the CTR. The Rules contains water quality standards applicable to this discharge. Federal regulations also require effluent limitations for all pollutants that are or may be discharged at a level that will cause or have the reasonable potential to cause, or contribute to an in-stream excursion above a narrative or numerical water quality standard, including the Rule. The Board finds that the discharges prescribed by this Order do not have a reasonable potential to cause or contribute to an in-stream excursion above a water quality objective. If information becomes available that shows there is a reasonable potential for the discharge to exceed any water quality objective or standard the discharge shall be immediately terminated. The discharge may not be resumed until authorized by the Executive Officer, individual waste discharge requirements are issued or the discharge may be prohibited.
16. The designated beneficial uses of ground water within the Central Valley Region are municipal, industrial, and agricultural supply, except where lesser beneficial uses are designated in the Water Quality Control Plans.
17. The beneficial uses of surface waters, as identified in Table II-1 of the Basin Plan, are municipal and domestic supply, agricultural irrigation, agricultural stock watering, industrial process water supply, industrial service supply, hydro power generation, body contact water recreation, canoeing and rafting, other non-body contact water recreation, warm freshwater aquatic habitat, cold freshwater aquatic habitat, warm fish migration habitat, cold fish migration habitat, warm spawning habitat, cold spawning habitat, wildlife habitat, and navigation. The beneficial uses of water bodys identified in the Basin Plan downstream of the discharge, as identified in Table II-1, shall apply. If a water body into which wastewater is discharged is not specifically identified in the Basin Plan, the Plan states “The beneficial uses of any specifically identified water body generally apply to its tributary streams.” The Board finds that, for purposes of this Order where specific water bodies are not identified, the beneficial uses identified in the Basin Plan for the downstream waters are applicable to water body into which discharge occurs.
18. The Water Quality Control Plans encourage the disposal of wastewater on land where practicable, and require applicants for discharge permits to evaluate land disposal as a first alternative. Where studies show that year-round land disposal is not practicable, the Discharger must evaluate, and utilize if feasible, dry season land disposal as an alternative.
19. The Board has considered antidegradation pursuant to 40 CFR 131.12 and State Water Resources Control Board Resolution 68-16 and finds that the subject discharges are consistent with those provisions. There will not be degradation if the requirements of the permit are met. Compliance with these requirements will result in the use of best practicable treatment or control of the discharge. The impact on existing water quality will be insignificant. This Order provides for an increase in the volume and mass of pollutants discharged. The increase will not cause a violation of water quality objectives. The increase in the discharge allows wastewater utility service necessary to accommodate housing and economic expansion in the area, and is considered to be a benefit to the people of the State. Compliance with these requirements will result in the use of best

practicable treatment or control of the discharge. If the discharge is not consistent with these policies it will not be covered under this Order.

20. Effluent limitations, and toxic and pretreatment effluent standards established pursuant to Sections 301, 302, 304, and 307 of the Clean Water Act (CWA) and amendments thereto are applicable to the Discharge.
21. These discharges are currently governed by Waste Discharge Requirements, Order No. 93-230, adopted by the Board on 3 December 1993.
22. The action to adopt an NPDES permit is exempt from the provisions of Chapter 3 of the California Environmental Quality Act (CEQA) (Public Resources Code Section 21100, et seq.), in accordance with Section 13389 of the California Water Code.
23. The Board has notified interested agencies and persons of its intent to prescribe waste discharge requirements in the General Order and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
24. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.
25. This Order shall serve as an NPDES permit pursuant to Section 402 of the Clean Water Act, and amendments thereto, and shall take effect upon the date of hearing, provided EPA has no objections.

IT IS HEREBY ORDERED that Order No. 93-230 is hereby rescinded and all Dischargers that file a NOI and appropriate filing fee indicating their intention to be regulated under provisions of this General Order, and all heirs, successors, or assigns, in order to meet the provisions contained in Division 7 of the California Water Code and Regulations adopted thereunder, and the provisions of the Clean Water Act and Regulations and Guidelines adopted thereunder, shall comply with the following:

A. Discharge Prohibitions:

1. Discharge of wastewater other than that described in the Findings is prohibited. The wastewater shall be free of all other pollutants. The wastewater shall not cause or threaten to cause pollution, contamination, or nuisance.
2. Discharge of contaminated ground water is prohibited.
3. The by-pass or overflow of wastes to surface waters is prohibited, except as allowed by the attached Standard Provisions and Reporting Requirements A. 13.

B. Effluent Limitations:

1. Effluent shall not exceed the following limits:

***NOI Application Fee changed to \$1185 per Resolution 2003-0064

<u>Constituents</u>	<u>Units</u>	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Daily Maximum</u>
BOD'	mg/l	10	15	30
Total Suspended Solids	mg/l	10	15	30
Settleable Solids	ml/l			0.1

' 5-day, 20*C biochemical oxygen demand (BOD)

2. Effluent discharged into a surface water body shall not contain chlorine in excess of 0.02 mg/l (instantaneous maximum). If the wastewater contains chlorine in excess of 0.02 mg/l, the Discharger shall certify that chlorine will be reduced to a maximum of 0.02 mg/l before wastes enter surface water.
3. Effluent discharged into a surface water body shall not have a pH less than 6.5 nor greater than 8.5.
4. The average dry weather (May through October) discharge flow shall not exceed 0.25 MGD unless the discharge is four months or less in duration in which case there is no flow limit.

C. Solids Disposal:

1. Collected screenings and other solids removed from liquid wastes shall be disposed of in a manner that is consistent with Chapter 15, Division 3, Title 23, of the CCR and approved by the Executive Officer.
2. Any proposed change in solids use or disposal practice shall be reported to the Executive Officer and EPA Regional Administrator at least 90 days in advance of the change.

D. Receiving Water Limitations:

Receiving Water Limitations are based upon water quality objectives contained in the Basin Plan. As such, they are a required part of this permit. The discharge shall not cause the following in the receiving water:

1. Concentrations of dissolved oxygen to fall below 7.0 mg/l.
2. Oils, greases, waxes, or other materials to form a visible film or coating on the water surface or on the stream bottom.
3. Oils, greases, waxes, floating material (liquids, solids, foams, and scums) or suspended material to create a nuisance or adversely affect beneficial uses.
4. Aesthetically undesirable discoloration.

5. Fungi, slimes, or other objectionable growths.
6. The turbidity to increase as follows:
 - a. More than 1 Nephelometric Turbidity Units (NTUs) where natural turbidity is between 0 and 5 NTUs.
 - b. More than 20 percent where natural turbidity is between 5 and 50 NTUs.
 - c. More than 10 NTUs where natural turbidity is between 50 and 100 NTUs.
 - d. More than 10 percent where natural turbidity is greater than 100 NTUs.
7. The normal ambient pH to fall below 6.5, exceed 8.5, or change by more than 0.5 units.
8. Deposition of material that causes nuisance or adversely affects beneficial uses.
9. The normal ambient temperature to be altered more than 5°F.
10. Taste or odor-producing substances to impart undesirable tastes or odors to fish flesh or other edible products of aquatic origin or to cause nuisance or adversely affect beneficial uses.
11. Radionuclides to be present in concentrations that exceed maximum contaminant levels specified in the California Code of Regulations, Title 22; that harm human, plant, animal or aquatic life; or that result in the accumulation of radionuclides in the food web to an extent that presents a hazard to human, plant, animal, or aquatic life.
12. Aquatic communities and populations, including vertebrate, invertebrate, and plant species, to be degraded.
13. Toxic pollutants to be present in the water column, sediments, or biota in concentrations that adversely affect beneficial uses; that produce detrimental response in human, plant, animal, or aquatic life; or that bioaccumulate in aquatic resources at levels which are harmful to human health.
14. Violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resources Control Board pursuant to the CWA and regulations adopted thereunder.

E. Provisions:

1. Dischargers currently covered by Order No. 93-230 are automatically granted coverage under this Order for a period of 90-days following adoption, during which time the Discharger may file a Notice of Intent (NOI) for coverage under this Order. Coverage under this Order is terminated after the 90-day period unless a new NOI has been submitted. The Discharger

must comply with all conditions of this Order, including timely submittal of technical and monitoring reports as directed by the Executive Officer. Violations may result in enforcement action, including Regional Board or court orders requiring corrective action or imposing civil monetary liability, or in revocation of authorization to discharge under this Order.

2. Individual owners of the real property at which the discharge will occur are ultimately responsible for ensuring compliance with these requirements. Individuals and companies responsible for site operations retain primary responsibility for compliance with these requirements, including day-to-day operations and monitoring. Enforcement actions will be taken against landowners in the event that enforcement actions against site operators are ineffective or would be futile, or that enforcement is necessary to protect public health or the environment.
3. A copy of this Order shall be kept at the discharge facility for reference by operating personnel. Key operating and site management personnel shall be familiar with its contents.
4. Water suppliers with numerous discharge points may elect to prepare and implement a Pollution Prevention and Monitoring and Reporting Plan (PPMRP) rather than identify and monitor each discharge as required in the NOI (Attachment A) and Monitoring and Reporting Program (Attachment C). The PPMRP must be submitted with the NOI prior to discharge and is subject to approval by the Regional Board Executive Officer. The PPMRP shall include as a minimum the elements identified in Attachment B.
5. The Discharger shall use the best practicable cost-effective control technique currently available to limit mineralization to no more than a reasonable increment.
6. The Discharger shall comply with all the applicable items of the "Standard Provisions and Reporting Requirements for Waste Discharge Requirements (NPDES)", dated 1 March 1991, which are part of this Order. This attachment and its individual paragraphs are referred to as "Standard Provision(s)."
7. The Discharger shall comply with the attached Monitoring and Reporting Program contained in Attachment C of this Order, and any revisions thereto, as ordered by the Executive Officer.

When requested by EPA, the Discharger shall complete and submit Discharge Monitoring Reports. The submittal date shall be no later than the submittal date specified in the Monitoring and Reporting Program for Discharger Self Monitoring Reports.

8. This Order expires on **1 June 2005**.
9. 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 immediately forwarded to this office.

To assume operation under this Order, the succeeding owner or operator must apply in writing to the Executive Officer requesting transfer of the Order. The request must contain the requesting entity's full legal name, the State of incorporation if a corporation, the name, address, and telephone number of the persons responsible for contact with the Board, and a statement. The statement shall comply with the signatory paragraph of Standard Provision D.6 and state that the new owner or operator assumes full responsibility for compliance with this Order. Failure to submit the request shall be considered discharge without requirements, a violation of the California Water Code. Transfer shall be approved or disapproved in writing by the Executive Officer.

I, **GARY M. CARLTON**, 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 Valley Region, on 16 June 2000.

GARY M. CARLTON, Executive Officer

Attachments

RPM:lm

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION**

NOTICE OF INTENT

**TO COMPLY WITH THE TERMS OF
GENERAL ORDER NO. 5-00-175
FOR
DEWATERING AND OTHER LOW
THREAT DISCHARGES TO SURFACE WATERS**

I. CONTRACTOR/OPERATOR -If additional owners/operators are involved, provide the information in a supplementary letter.

Name			
Mailing Address			
City	State	Zip	Phone
Contact Person	Contractor _____ Operator _____ Contractor/Operator _____		

II. PROPERTY OWNER -If additional property owners are involved, provide the information in a supplementary letter.

Name			
Mailing Address			
City	State	Zip	Phone
Contact Person			

III. WATER SUPPLIERS (If applicable)

Name			
Mailing Address			
City	State	Zip	Phone
Contact Person			

IV. BILLING ADDRESS:

Name			
Mailing Address			
City	State	Zip	Phone
Contact Person			

V. DISCHARGE LOCATION: -If more than one discharge is proposed, provide the information in a supplementary letter.

Street (including address, if any) _____

City/County _____

Nearest Cross Street(s) _____

Township/Range/Section T _____, R _____, Section _____, MDB&M

Attach a map of at least 1:24000 (1" = 2000') showing the discharge site. (eg. USGS 7.5' topographic map.)
The map should also show the treatment system, discharge point and surface waters. Wells and residences
within 1,500 feet shall be identified.

VI. DISCHARGE INFORMATION

Please Identify type of discharge

___ Well development water

___ Pipeline/tank pressure testing

___ Construction dewatering

___ Pipeline/tank flushing or dewatering

___ Pump/well Testing

___ Condensate

___ Water Supply System

___ Other (Please describe)

Start Date _____ Stop Date _____ (estimate) Discharge Rate _____ MGD.

Is discharge continuous or intermittent?

VII. LAND DISPOSAL/RECLAMATION

Board policies dictate that wastewater discharges must be contained on land or beneficially re-used if practical. You must evaluate and rule out this alternative prior to any discharge to surface water under this Order.

Is land reclamation feasible? Yes ___ No ___

If no, explain. If yes, you should contact the Regional Board. This Order does not apply if there is no discharge to surface waters.

VIII. TREATMENT SYSTEM

Please Identify

_____ None (describe why a treatment system is not necessary) _____ Pond
_____ Other (please describe)

Provide a schematic drawing of the proposed treatment system.

IX. RECEIVING WATER INFORMATION

A. Name of closest receiving water.

B. Receiving water is tributary to (name major downstream water body)

X. PRIMARY POLLUTANTS/PARAMETERS LIKELY TO BE IN THE DISCHARGE

Please Identify

_____ Settleable material _____ Color
_____ Suspended material _____ Turbidity
_____ PH _____ Other (please describe)
_____ Chlorine _____ Construction material pollutants
_____ Total dissolved solids _____ Metals
_____ Trace organic compounds

Have samples been collected? _____ Yes (attach results) _____ No

Are additives in the discharge? _____ Yes (describe and quantify) _____ No

If yes, please specify the additive and/or sample result _____

XI. ABILITY TO COMPLY

Do you believe the discharge may have acute or chronic toxicity, chemical or organic constituents, bacteria, pesticides, oil and grease, radioactivity, salinity or temperature that may adversely impact beneficial uses of the receiving water? _____ Yes _____ No

If your answer is yes you must contact a Professional Engineer. A specific individual permit may be required From the Regional Board rather than this General Order.

XII. PROFESSIONAL ENGINEER

If a Professional Engineer has helped you evaluate the proposed discharge for compliance with this General Order, please identify.

Name			
Mailing Address			
City	State	Zip	Phone
Signature	Certificate No.		Date

XIII. FEES

A check payable to the State Water Resources Control Board in the amount of ~~\$400~~ ~~\$2,900~~ \$1185. (or appropriate current fee) must be submitted. *(***Note: Fee amount changed twice since order was adopted. Current fee effective as of 7/1/03.)*

XIV. CERTIFICATION

I hereby certify under penalty of perjury that the information provided in this application and in any attachments is true and accurate to the best of my knowledge. By signing this NOI, I agree to closely monitor and stop the discharge if there is any violation of the General Permit. The Regional Board will be immediately notified of any violation, or threatened violation, of the General Permit.

Signature of Contractor/Operator		Signature of Property Owner	
Print or Type Name		Print or Type Name	
Title	Date	Title	Date

ATTACHMENT B

WATER SUPPLIERS' POLLUTION PREVENTION AND MONITORING AND REPORTING PLAN ORDER NO. 5-00-175

Only water suppliers that propose to have numerous discharge points covered by this General Permit are required to develop the Pollution Prevention and Monitoring and Reporting Plan (PPMRP) identified in this Attachment. These dischargers are not required to complete sections of the NOI concerning discharge type and location. All other sections of the NOI and PPMRP must be submitted prior to discharge.

The PPMRP shall include:

I. Pollution Prevention Plan

- A. Provide a general description of the distribution system and potential discharge locations. Identify pollutant types, flow rate ranges and receiving waters.
- B. Identify treatment systems, spill contingency plans, operation and maintenance procedures, inspections, equipment, supplies, training, erosion control, etc., to assure continuous compliance with requirements.

II. Monitoring and Reporting Program

- A. Develop a representative sampling and analysis program. Dischargers are not required to sample all discharges if reasonable assurance is provided that the discharges will comply with requirements. Provide rationale for selection of the effluent and receiving water monitoring plan. Describe sampling methods, locations and frequency of monitoring. Inspection plans and visual observations for discoloration and stream bottom deposits etc. must be included.

III. Records

Records of all monitoring information and copies of all reports required by this General Permit shall be retained for a period of at least five years from the date of the sample, observation, measurement, or report.

These records shall include:

- 1. The date, place, and time of site inspections, sampling, visual observation, and/or measurement;

2. The individual(s) who performed the site inspections, sampling, visual observations, and/or measurements;
3. Flow measurements or estimates (if required);
4. The date and time of analyses;
5. The laboratory or staff who performed the analyses.

IV. Reporting

Quarterly monitoring results shall be submitted to the Regional Board by the **first day of the second month** following each calendar quarter. In reporting the monitoring data, the Discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly whether the discharge complies with waste discharge requirements.

If the Discharger monitors any pollutant more frequently than is proposed, the results of such monitoring shall be reported. All reports submitted in response to this Order shall comply with signatory requirements of Standard Provision D.6.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. 5-00-175

GENERAL ORDER

FOR

DEWATERING AND OTHER LOW THREAT
DISCHARGES TO SURFACE WATERS

DISCHARGES LONGER THAN FOUR MONTHS IN DURATION

The following effluent monitoring program is required if the discharge duration is longer than four months and the average dry weather discharge does not exceed 0.25 MGD. Effluent samples shall be collected downstream from the last connection through which wastes can be admitted into the outfall. Effluent samples should be representative of the volume and quality of the discharge. Time of collection of samples shall be recorded. Effluent monitoring shall include at least the following:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
20°C BOD ₅	mg/l	Grab	Quarterly
Suspended Solids	mg/l	Grab	Quarterly
Settleable Solids	ml/l	Grab	Quarterly
Flow	mgd	Meter	Continuous
Temperature	°F	Grab	Monthly
pH	pH Units	Grab	Monthly

If the discharge is intermittent rather than continuous, then on the first day of each such intermittent discharge, the Discharger shall monitor and record data for all of the constituents listed above, after which the frequencies of analysis given in the schedule shall apply for the duration of each such intermittent discharge. In no event shall the Discharger be required to monitor and record data more often than twice the frequencies listed in the schedule.

DISCHARGES FOUR MONTHS OR LESS IN DURATION

The following effluent monitoring program is required if the discharge is four months or less in duration. Effluent samples shall be collected downstream from the last connection through which wastes can be admitted into the outfall. Effluent samples should be representative of the volume and quality of the discharge. Time of collection of samples shall be recorded. Effluent monitoring shall include at least the following:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
20°C BOD ₅	mg/l	Grab	Twice monthly ¹
Suspended Solids	mg/l	Grab	Twice monthly ¹
Settleable Solids	ml/l	Grab	Twice monthly ¹
pH	pH Units	Grab	Twice monthly ¹

¹ The first sample shall be collected at the start of discharge.

A post-discharge report shall be submitted after each discharge. The report shall include:

1. Any variations from the Notice of Intent.
2. Did the discharge result in any discoloration or turbidity in the receiving water? Please explain upstream and downstream conditions identified in the following Receiving Water Monitoring Section.
3. Identify any violations of the General Order. Please explain.
4. Please explain any corrective actions taken to comply with the General Order.
5. Did the discharge cause any complaints?

RECEIVING WATER MONITORING

Receiving water monitoring shall be twice weekly for discharges where the duration is four months or less and monthly if the discharge period is greater than four months and include at least the following:

<u>Station</u>	<u>Description</u>
R-1	50 feet upstream from the point of discharge
R-2	50 feet downstream from the point of discharge

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>
Temperature	°F	Grab
pH	pH Units	Grab
Electrical Conductivity	µmhos/cm	Grab
Dissolved Oxygen	mg/l	Grab

In conducting the receiving water sampling, a log shall be kept of the receiving water conditions throughout the reach bounded by Stations R-1 and R-2. Attention shall be given to the presence or absence of:

- a. Floating or suspended matter
- b. Discoloration
- c. Bottom deposits
- d. Aquatic life
- e. Visible films, sheens or coatings
- f. Fungi, slimes, or objectionable growths
- g. Potential nuisance conditions

Notes on receiving water conditions shall be summarized in the monitoring report.

REPORTING

Quarterly monitoring results shall be submitted to the Regional Board by the **first day of the second month** following each calendar quarter. In reporting the monitoring data, the Discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly whether the discharge complies with waste discharge requirements.

If the Discharger monitors any pollutant at the locations designated herein more frequently than is required by this Order, the results of such monitoring shall be included in the calculation and reporting of the values required in the discharge monitoring report form. Such increased frequency shall be indicated on the discharge monitoring report form.

All reports submitted in response to this Order shall comply with the signatory requirements of Standard Provision D.6.

The Discharger shall implement the above monitoring program on the first day of discharge.

Ordered by: _____
GARY M. CARLTON, Executive Officer

16 June 2000
(Date)

RPM:lm

INFORMATION SHEET ORDER NO. 5-00-175
GENERAL ORDER FOR DEWATERING AND OTHER LOW
THREAT DISCHARGES TO SURFACE WATERS

This Order serves as a General NPDES Permit for the discharge of low water quality threat wastewater discharges to surface waters. This permit does not apply unless the discharge qualifies as low threat to water quality. The discharge shall either be: (1) Short duration (four months or less) or (2) Low flow (average dry weather discharge does not exceed 0.25 MGD) to qualify as low volume for the purpose of this permit. The following types of discharges may be covered by this permit: (1) Well development water, (2) Construction dewatering, (3) Pump/well testing, (4) Pipeline/tank pressure testing, (5) Pipeline/tank flushing or dewatering, (6) Condensate, (7) Water supply system and (8) Miscellaneous dewatering and low threat discharges. The treatment and discharge of water with acute or chronic toxicity, chemicals or organic constituents, bacteria, herbicides, pesticides, oil and grease, radioactivity, salinity or temperature that may adversely threaten beneficial uses are not covered by this permit. Also not covered by this Order are: 1) Wastewaters discharged to municipal wastewater collection systems, and 2) Discharges to ponds, infiltration basins, spray disposal areas, subsurface infiltration, or other methods not involving discharge to surface waters and surface water drainage courses, and discharges of contaminated ground water, treated or untreated.

Water suppliers may have numerous intentional and unintentional releases of fresh water to surface waters and surface water drainage courses due to many factors including; system failures, pressure releases, and pipeline/tank flushing and dewatering. This General Permit may serve as waste discharge requirements for such public and private water suppliers including Irrigation Districts, Water Districts and Water Agencies. Discharges from these water systems may not be possible to specifically identify and monitor in every situation. In such cases a Pollution Prevention and Monitoring and Reporting Plan may be developed by the Discharger as established in Attachment B for approval by the Regional Board Executive Officer. Compliance with this General Permit requires removal of chlorine and other constituents normally found in these discharges to provide protection of downstream beneficial uses including fish and other aquatic life. Chlorine is a toxic constituent. An effluent limitation for chlorine has been included in the Order to assure compliance with the Basin Plan's narrative standard prohibiting the discharge of toxic constituents in toxic concentrations.

The water quality characteristics most likely of concern for these discharges include settleable matter, suspended material, color and turbidity. The proposed effluent and receiving water limits are based on Basin Plan objectives and similar requirements issued by the Board. If there is any doubt about the ability for continuous compliance with requirements, the Discharger shall contact Professional Engineers to assure pollutants will be properly treated prior to discharge. As explained in the NOI, dischargers have responsibility to immediately stop the discharge and notify the Regional Board of any violation, or threatened violation, of the permit.

Regional Board policies dictate that wastewater discharges must be contained on land or beneficially re-used if practicable. Dischargers must evaluate and rule out this alternative prior to any discharge under this permit. If land reclamation is feasible this permit does not apply.

Regional Board staff typically do not evaluate compliance with requirements prior to discharge. The Discharger makes that decision and whether or not to seek professional advice when they submit the Notice of Intent (NOI). Dischargers who submit an NOI and appropriate fee are authorized to discharge

under the terms and conditions of this General Order. Violations may result in enforcement action, including Regional Board or court Orders requiring corrective actions or imposing civil monetary liability, or in revision or rescission of this Order.

The following information and policy statements are provided to help establish consistency in application of this General Permit: 1) Regional Board staff should send completed copies of each NOI to appropriate Regional offices of the Department of Fish and Game, 2) One permit is required for each water system owner even if there will be multiple discharges. Fire departments frequently test hydrants by flushing them. They may be covered under the water system owner's permit if requested in the NOI, 3) Any pollutants the discharger flushes into the receiving water may not cause a violation of requirements. This needs to be considered when completing various sections of the NOI including ability to comply, pollutants in the discharge and treatment system, including chlorine. We generally consider the discharge to be the point where "wastewater" enters the receiving water. Our concern is protection of the receiving water.

Dischargers currently covered by Order No. 93-230 are automatically granted coverage under this Order for a period of 90-days following adoption, during which time the Discharger may file a Notice of Intent (NOI) for coverage under this Order. Coverage under this Order is terminated after the 90-day period unless a new NOI has been submitted.

RPM/16 June 2000