

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 97-700

GENERAL WASTE DISCHARGE REQUIREMENTS
FOR
DISCHARGE OF RECYCLED WATER
FOR GOLF COURSE AND LANDSCAPE IRRIGATION

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

1. Section 13260 (a) of the California Water Code requires that any person discharging waste or proposing to discharge waste within any region, other than to a community sewer system, that could affect the quality of waters of the state, shall file a report of waste discharge (ROWD).
2. Section 13512 of the California Water Code states, it is the intention of the Legislature that the state undertake all possible steps to encourage development of recycled water facilities, so recycled water may be made available to meet the growing water requirements of the state.
3. This Order serve as a region-wide General Permit for discharge of tertiary treated municipal wastewater (hereinafter recycled water) for use in golf course and landscape irrigation. Adoption of this General Permit will streamline the permitting process and should encourage recycled water usage.
4. Each discharger of recycled water covered by this General Order shall submit an annual fee, and an application fee equal to the first annual fee, pursuant to Section 13260, California Water Code. The amount of the fee is currently determined by the type of Order issued the threat to water quality and the complexity of the discharge as detailed in Section 2200, Chapter 9, Division 3, Title 23, California Code of Regulations. Recycled water use projects would generally be rated as Non-Chapter 15 waste discharge requirements with a "III" threat to water quality, and a "C" complexity rating. Individual ratings may differ, based on the characteristic of the project.
5. To obtain coverage under this General Order, a complete Notice of Intent (NOI) (Attachment "A" incorporated herein and made a part of this Order) must be submitted with an appropriate fee. Users who submit a duly filled NOI, an appropriate filing fee, and meet the requirements of this permit, will be conditionally authorized to use tertiary reclaimed water for landscaping and golf course irrigation. A separate NOI must be filed for each facility.

6. The Regional Board may at its discretion issue individual waste discharge requirements, or prohibit discharge of recycled water when such actions are deemed appropriate. Upon issuance of individual waste discharge requirements or prohibition orders, discharge of recycled water under this General Order is not applicable.
7. This General Order is not applicable to producers (or producers/dischargers) of secondary or tertiary recycled water, who are currently required to obtain individual waste discharge requirements for discharge of recycled water. This General Order does not apply to persons engaged solely in distribution of recycled water.
8. On February 20, 1996, a Memorandum of Agreement (MOA) was executed between the California Department of Health Services (DHS) and the State Water Resources Control Board (SWRCB), on behalf of the SWRCB and the nine California Regional Water Quality Control Boards (RWQCBs). The DHS is the primary agency responsible for protection of public health and the regulation of drinking water. The SWRCB and RWQCBs are primary state agencies authorized with the protection of water quality and the assignment of water rights in the state. The MOA is intended to assure that the authority of these agencies is exercised in a coordinated manner.
9. For the protection of public health, the DHS has promulgated regulations related to usage of recycled water. These regulations are outlined in Section 60301, Chapter 2, Division 4, Title 22; and Group 4, Chapter 5, Division 1, Title 17; California Code of Regulations, et. seq. (hereinafter DHS regulations).
10. The Regional Board considers the DHS, or their duly appointed agent, to be responsible for determining compliance with the DHS regulations, including, but not limited to, requirements listed under the "Health-Based Provisions" of this General Order.
11. **Only facilities which fall in the following categories are eligible to discharge recycled water under this General Board Order:**
 - a. In accordance with Section 15301, Chapter 3, Title 14 of the California Code of Regulations, the issuance of these waste discharge requirements, which govern the operation of an existing facility involving negligible or no expansion of use beyond that previously existing, is exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000 et.seq.).
 - b. **A Negative Declaration or another environmental document, satisfying the requirements of the California Environmental Quality Act (CEQA), and assessing the cumulative impacts of General Permit Board Order No. 97-700, has been approved for the proposed project.**

12. The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan) was adopted on November 17, 1993 and designates the beneficial uses of ground and surface waters in this Region.

13. The beneficial uses of ground waters in the Colorado River Basin Region are:

- a. Agricultural Supply (AGR)
- b. Industrial Supply (IND)
- c. Municipal Supply (MUN)

Beneficial uses of groundwater in individual hydrologic units are listed in the Basin Plan.

14. Beneficial uses of surface waters in the Colorado River Basin Region are:

- a. Agricultural Supply (AGR)
- b. Aquaculture (AQUA)
- c. Fresh Water Replenishment (FRSH)
- d. Ground Water Recharge (GWR)
- e. Industrial Service Supply (IND)
- f. Municipal Supply (MUN)
- g. Hydropower Generation (POW)
- h. Preservation of Rare, Endangered or Threatened Species (RARE)
- i. Water Contact Recreation (REC I)
- j. Water Contact Recreation (REC II)
- k. Warm Water Habitat (WARM)
- l. Wildlife Habitat (WILD)

Beneficial uses of individual surface waters are listed in the Basin Plan.

15. The Board has notified the user and all known interested agencies and persons of its intent to prescribe waste discharge requirements for said discharge and has provided them with an opportunity for a public meeting and an opportunity to submit comments.

16. The Board in a public meeting heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, that in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, the user shall comply with the following:

A. Prohibitions

- 1. The intentional discharge of recycled water to land not owned or controlled by the discharger is prohibited.

2. There shall be no application of recycled water within 50 feet, and storage of recycled water within 100 feet of a domestic well, unless approved otherwise by the DHS.
3. The use of recycled water shall not cause the degradation of ground water used for domestic purposes or cause any change in water quality parameters which would make the water unsuitable for beneficial uses as described in the Basin Plan or the Safe Drinking Water and Toxic Enforcement Act.

B. Specifications

1. Use of recycled water shall not cause pollution or nuisance as defined in Section 13050 of Division 7 of the California Water Code.
2. Only tertiary treated wastewater as defined by Section 60313(b), Article 4, Chapter 3, Division 4, Title 22 of the California Code of Regulations shall be accepted and used by the facility as recycled water.
3. There shall be no direct or indirect discharge of recycled water into any on-site domestic or irrigation supply wells, as a result of recycled wastewater storage or discharge.
4. Recycled water for discharge shall be procured under a written agreement between the discharger and producer of the water. A copy of this agreement shall be furnished to the Regional Board and DHS within 90 days of obtaining this permit.
5. The discharger shall not discharge recycled water in excess of the design capacity of the system. In case of an emergency, the Regional Board shall be duly notified and authority for any such discharge shall be obtained in writing from the Regional Board's Executive Officer.

C. Provisions

1. The discharger shall comply with "Monitoring and Reporting Program No. 97-700", and future revisions thereto, as specified by the Regional Board's Executive Officer.
2. The discharger is the responsible party for compliance with these waste discharge requirements, and the monitoring and reporting program for the facility. The discharger shall comply with all conditions of these waste discharge requirements. Violations may result in enforcement actions, including Regional Board Orders or court orders, requiring corrective action or imposing civil monetary liability, or in modification or revocation of these waste discharge requirements by the Regional Board.

3. The discharger shall designate an on-site supervisor responsible for operation of the recycled water system. The supervisor shall be responsible for the installation, operation and maintenance of the irrigation system, implementation of this General Order, prevention of potential hazards, maintenance of the distribution system plans in "as-built" form, and for the distribution of the recycled water in accordance with this General Order. The name of the on-site supervisor shall be furnished in writing to the Regional Board at least 30 days prior to commencement of discharge of recycled water.
4. The discharger shall report any spill incident which endangers human health or the environment to the California Office of Emergency Services at 1-800-852-7550 and the Regional Water Quality Control Board at 760-346-7491. During non-business hours, the discharger shall leave a message on the Regional Board's message machine which is available at the above listed number. Incident information shall be provided orally as soon as possible and within 24 hours from the time the discharger becomes aware of the incident. A written submission shall also be provided to the Regional Board within five business days of the time the discharger becomes aware of the circumstances.

The written submission shall contain:

- a. A description of the noncompliance and its cause;
 - b. The period of noncompliance including exact dates and times and if the noncompliance has not been corrected, the expected to continue; and
 - c. Steps taken or planned to reduce, eliminate and prevent recurrence of noncompliance.
5. The discharger shall ensure that all site operating personnel are familiar with the content of this General Order, and shall maintain a copy of this General Order at the site. Personnel must be informed that recycled water is meant for irrigation and landscaping purposes only, and is not approved for drinking, hand washing, etc. Personnel must also be informed of the locations of domestic and recycled lines to ensure that the potable and recycled systems are not interconnected.
 6. The discharger shall assure that notification of discharge of recycled water is provided to people who reside adjacent to irrigation reuse areas and to golf course patrons. The content of the notice and method of notification shall be approved by the Regional Board's Executive Officer and DHS. The public shall be notified at least 30 days prior to commencement of golf course irrigation or landscaping with recycled water. Existing dischargers, whose individual waste discharge requirements are replaced with this General Order are exempt from this provision.

7. The discharger shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances), which are installed or used by the user to achieve compliance with conditions of this General Order.
8. The discharger shall comply with all of the conditions of this Board Order. Noncompliance with this General Order is considered to be a violation of the Porter-Cologne Water Quality Control Act and may involve violation of Reclamation Criteria promulgated by DHS in Title 22, California Code of Regulations and is considered grounds for enforcement action.
9. The discharger shall allow the Regional Board, the DHS, or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:
 - a. Enter upon the premises regulated by this General Order, or the place where records must be kept under the conditions of this General Order;
 - b. Have access to and copy, at reasonable times, any records that shall be kept under the conditions of this General Order;
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this General Order; and
 - d. Sample or monitor at reasonable times, and while escorted by the dischargers' representative for the purpose of assuring compliance with this Board Order or as otherwise authorized by the California Water Code any substances or parameters at this location.
10. Prior to any modifications in this facility which would result in material change in the quality or quantity of recycled water discharged, or any material change in the location of discharge, the user shall report all pertinent information in writing to the Regional Board and DHS and obtain revised requirements before any modifications are implemented.
11. Prior to any change in ownership or management of this operation, the user shall transmit a copy of this General Order to the succeeding owner/operator, and forward a copy of the transmittal letter to the Regional Board. The new owner/operator must file a NOI with the Regional Board.
12. This General Order does not authorize violation of any federal, state, or local laws or regulations.
13. The user shall furnish, under penalty of perjury, technical monitoring program reports, and such reports shall be submitted in accordance with the specifications

prepared by the Regional Board's Executive Officer. Such specifications are subject to periodic revisions as may be warranted.

14. The user shall retain records of all monitoring information including all calibration and maintenance records, copies of all reports required by this General Order, and records of all data used to complete the application for this General Order. Records shall be maintained for a minimum of three years from the date of the sample, measurement, or report. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board's Executive Officer.

D. Health Based Provisions

1. There shall be no-cross connection between potable water supply and piping containing recycled water. Supplementing recycled water with water used for domestic supply shall not be allowed except with an air-gap separation. An air-gap or reduced pressure principle device shall be provided at all domestic water service connections to recycled water use areas.
2. The discharger shall provide documentation to ensure that there is no interconnection between the potable and recycled water systems. Dischargers with both potable and irrigation water delivered to the site shall ensure that a cross-connection test is completed prior to delivery of recycled water to the site. A cross-connection control test, mutually agreeable to the permittee and DHS shall be conducted at least once every four years. Existing users shall conduct a cross-connection test within a time frame acceptable to DHS. The tests shall be conducted by an American Waterworks Association (AWWA) certified cross-connection control program specialist or equivalent. Prior to conducting the test the user shall notify the DHS and County Department of Health Services. Results of the cross-connection test shall be submitted to the Regional Board, DHS and County Department of Health Services within 30 days of completion.
3. The user shall submit the "as built" plans and specifications showing the domestic and irrigation systems; the location of all potable and recycled water connections; and locations of all on-site and nearby wells to OHS. These plans shall be submitted within a time frame acceptable to DHS. Within 30 days of the issuance of this permit, existing facilities without "as built" plans shall contact DHS for guidance.
4. Adequate measures shall be taken to minimize public contact with recycled water. Clearly visible, adequately sized warning signs shall be posted in sufficient numbers around the application and storage areas. The size and number of warning signs shall be mutually determined by the discharger and DHS.

5. Prior to construction of new facilities planning to discharge recycled water, the discharger shall submit the design drawings to the DHS, field operations branch, for approval. The discharger shall, at a maximum, allow the State Department of Health Services a 30-day comment period for completed designs submitted. If comments are not received by the discharger from the State Department of Health Services within that 30-day period, then no response will be deemed as "no comment" and the discharger will be able to begin construction.
6. Golf course pump houses utilizing recycled water shall be appropriately tagged with warning signs with proper wording of sufficient size to warn the public that recycled water is not safe for drinking. All new and replacement at grade valve boxes shall be purple or appropriately tagged for water reuse purposes.
7. The use of recycled water shall be in conformance with the reclamation criteria contained in Title 22 of the California Code of Regulations, or amendments hereto.
8. Recycled water shall not be applied in a manner or at a location where it could come in contact with drinking water fountains, food handling, food storage or dining areas.
9. There shall be at least a 4-foot horizontal and 1-foot vertical separation (with domestic water above the recycled water pipeline) between all newly installed constant pressure pipelines transporting domestic water and those transporting recycled water. All newly installed recycled water distribution lines shall be colored purple or labeled with purple tape. Existing pipelines are excluded from this requirement.
10. Irrigated areas shall be properly managed to minimize ponding.
11. Recycled water shall not be used as domestic supply water or intentionally used as animal water supply.

I, Philip A. Gruenberg, 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 June 25, 1997.

Original signed by

PHILIP A. GRUENBERG,
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO 97-700
FOR

GENERAL WASTE DISCHARGE REQUIREMENTS FOR DISCHARGE OF
RECYCLED WATER FOR GOLF COURSE AND LANDSCAPE IRRIGATION

Location of Discharge: Colorado River Basin Region (Region 7)

Reporting

1. Report immediately any failure which endangers human health or the environment to the California Office of Emergency Services at 1-800-852-7550 and the Regional Water Quality Control Board at 760-346-7491. During non-business hours, the discharger shall leave a message on the Regional Board's message machine which is available at the above listed number. A written submission shall be provided to the Regional Board within five business days of the discharger becoming aware of the circumstances.
2. A duly authorized representative of the discharger may sign the documents if:
 - a. The authorization is made in writing by the person described above;
 - b. The authorization specified an individual or person having responsibility for the overall operation of the regulated disposal system; and
 - c. The written authorization is submitted to the Regional Board's Executive Officer.
3. Each monitoring report shall contain the following statement:

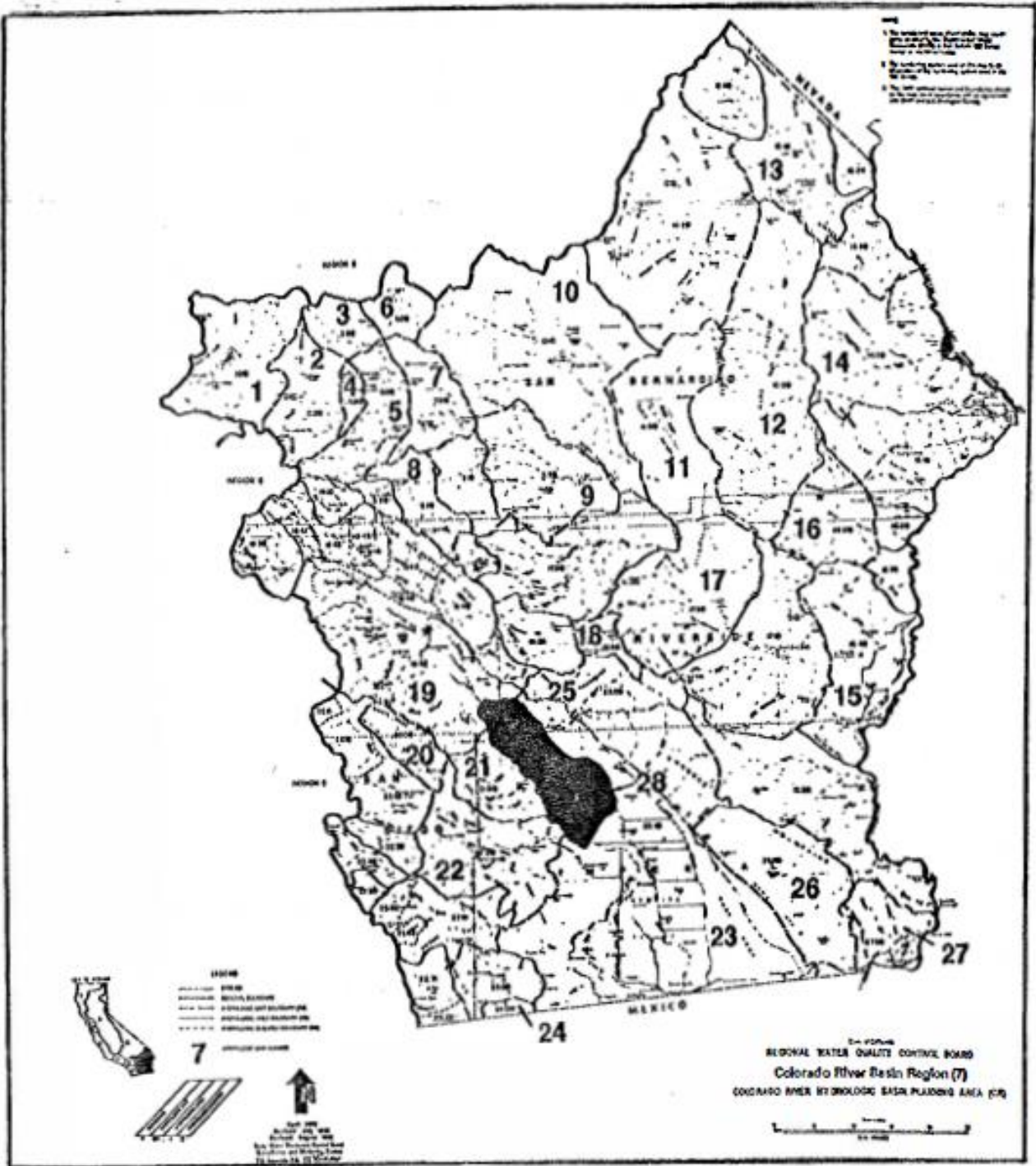
"I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations."

Original signed by

PHILIP A. GRUENBERG,
Executive Officer

June 25, 1997

Date



GENERAL WASTE DISCHARGE REQUIREMENTS FOR
DISCHARGE OF RECYCLED WATER
FOR GOLF COURSE AND LANDSCAPE IRRIGATION
Colorado River Basin Region
Region - 7

INSTRUCTIONS
FOR COMPLETING THE NOTICE OF INTENT (NOI)

These instructions are intended to help you, the discharger, complete the NOI form for General Waste Discharge Requirements for use of Recycled Water on golf courses and in landscaping.

At the top of the form, please indicate if this a first time coverage under this General Permit, a regulated facility, or change of information for a facility already covered under this General Permit/General WDR. If this is a regulated facility, please supply the eleven digit WDID number for the facility.

Section I – Owner/Operator

Section A.

1. Name – The name (first and last) of the owner/operator of the facility. If the owner/operator is a company, corporation, etc., then put the name of the company, corporation, etc., in this space. Please print clearly.
2. Mailing Address – The street number and street name where mail and correspondence should be sent (P.O Box is acceptable)
3. City, State, and Zip Code – The city, state and zip code that apply to the mailing address given.
4. Telephone – Daytime telephone number of the owner/operator.

Section B.

1. Contact Person – Please list the name (first and last) of the contact person for the owner/operator (agency, corporation, private business, etc.) listed above.
2. Please check the boxes to the right of “Contact Person” to indicate whether the name given in the section “A” is the owner, operator, or both the owner and the operator.
3. Additional Owners – Please check the box if there is more than one owner/operator. Provide the additional information in supplementary letter addressed to the Colorado River Basin Regional Water Quality Control Board as part of this NOI.

Section II – Facility Information

1. Name of Facility - The name of the facility that is requesting coverage under this General Permit/General WDR.
2. Mailing Address of Facility – The street number and street name where the facility is located (P.O Box is not acceptable).

City, State and Zip Code – The city, state, and zip code that apply to the facility address given.

Telephone – The telephone number of the facility.

Section III – Billing Address

Send To: - Please check the appropriate box. If billing should be sent to the property owner, please enter the information to the right only if it is different from the information given above. If the billing should be sent to somewhere or someone else. Please check the box titled “OTHER” and fill in the information on the right.

2. Name – The name (first and last) of the person who will be responsible for the billing.
3. Mailing address – The street number and street name where the billing should be sent. (P.O Box is acceptable)
4. City, state, and Zip Code – The city, state, and zip code that apply to the mailing address given.

Section IV – Verification

Please fill in whether or not a verification has been made to determine if the discharger(s) are in compliance with prohibitions or orders of the Colorado River Basin Regional Water Quality Control Board. Check the space marked “yes or “no”.

Section V – Description of Discharge

Provide requested information.

Section VI - Certification

1. Printed Name – Please letter your name legibly. This section should be filled out by the person responsible according to Section I.A of Attachment A.
2. Signature and Date – Signature of name printed above, and date signed.
3. Title – The professional title of the person signing the NOI.

Section VII – Other information Required

Provide requested information.

NOTICE OF INTENT (NOI)

TO COMPLY WITH THE TERMS OF GENERAL WASTE DISCHARGE REQUIREMENTS FOR USE OF RECYCLED WATER FOR GOLD COURSE & LANDSCAPE IRRIGATION

Table 1: Type of Facility (Mark Only One Item):

1	<input type="checkbox"/>	New Discharge of Existing Unregulated Discharge	
2	<input type="checkbox"/>	Existing Regulated Discharger	WDID
3	<input type="checkbox"/>	Change of Ownership/Operator Information	WDID

I. OWNER INFORMATION

A. Name	
Mailing Address	
City	
State	
Zip code	
Telephone	
B. Contact Person	
Contact Person	
Title	

Additional Owners – if additional owners are involved, provide the information on a separate piece of paper

II. FACILITY INFORMATION

A. Name	
Telephone	
Mailing Address of Facility	
City	
State	
Zip Code	
Street Address of Facility	
City	
State	
Zip Code	

III. Billing ADDRESS

Owner/Operator (ENTER INFORMATION AT RIGHT ONLY IF DIFFERENT FROM ABOVE)	Name	Mailing Address	
Other (ENTER INFORMATION AT RIGHT)	City	State	Zip Code

REGIONAL BOARD USE ONLY

WDID:	Regional Board Office:	Date NOI Received:	Date NOI Processed:
		Fee Amount Received:	Check #:

Have you contacted the RWQCB or otherwise verified that the proposed discharge will not violate prohibitions or orders of the RWQCB? Yes _____
 No _____

V. DESCRIPTION OF DISCHARGE

<p>Describe the existing discharge(s).</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Provide the Following Information:</p> <p>Volume of the Discharge (gallons): Maximum: _____ Average: _____</p> <p>Minimum: _____</p> <p>Distance to Nearest Water Well: _____</p>

VI. CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment." In addition, I certify that the provision of the permit, including the criteria for eligibility will be complied with.

Printed Name: _____

Signature: _____

Title: _____

Date: _____

Title: _____

VII. OTHER INFORMATION REQUIRED

8 1/2" x 11" maps up to a scale of 1:24000 are suggested unless the facility and disposal are too large for such a scale to be practical, in which case, a scale of up to 1:144000 may be used. If a scale of 1:144000 is still impractical, a map larger than 8 1/2" x 11" may be used.