

**Tab 11**  
**Districts' Los Angeles Regional Water Quality  
Control Board Permits**



**Cal/EPA**

**Los Angeles  
Regional Water  
Quality Control  
Board**

101 Centre Plaza Drive  
Monterey Park, CA  
91754-2156  
(213) 266-7500  
FAX (213) 266-7600

May 14, 1997

**ORIGINAL  
LOGGED**



Pete Wilson  
Governor

**TO: COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY  
LAS VIRGENES MUNICIPAL WATER DISTRICT  
CITY OF LOS ANGELES, DEPARTMENT OF PUBLIC WORKS**

**RE: READOPTION OF EXISTING WATER RECLAMATION REQUIREMENTS  
(Files No: 54-70, 61-30, 61-156, 65-182, 65-86, 69-80, 77-50, 88-40, 64-104,  
55-85, 68-85, 70-117)**

Our letter dated April 9, 1997, informed you that this Regional Board would consider readopting your current water reclamation requirements of the subject facilities.

Pursuant to Division 7 of the California Water Code, this California Regional Water Quality Control Board, at a public meeting held on May 12, 1997, reviewed the current requirements, considered all factors in the cases, and adopted Order No. 97-072 (copy attached), relative to these waste discharges. This order readopts Orders previously adopted by the Board as listed below:

**COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY**

	<u>Order No.</u>	<u>CI No.</u>
Pomona Water Reclamation Plant	81-34	0755
Long Beach Water Reclamation Plant	87-47	6184
Valencia Water Reclamation Plant	87-48	6186
Saugus Water Reclamation Plant	87-49	6188
San Jose Creek Water Reclamation Plant	87-50	6372
Los Coyotes Water Reclamation Plant	87-51	6182
La Canada Water Reclamation Plant	88-37	3139
Whittier Narrows Water Reclamation Plant	88-107	6844

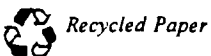
**LAS VIRGENES MUNICIPAL WATER DISTRICT**

Tapia Water Reclamation Facility	87-86	6189
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**CITY OF LOS ANGELES, DEPARTMENT OF PUBLIC WORKS**

Hyperion Treatment Plant	79-160	6369
Glendale Water Reclamation Plant	86-16	6183
Donald C. Tillman Water Reclamation Plant	86-39	6185

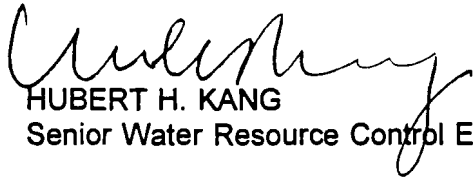
Your Current Monitoring and Reporting Program remains in effect. Please reference all technical and monitoring reports to each Compliance File as listed above and should be sent to the Regional Board, Att: Technical Support Unit.



*Our mission is to preserve and enhance the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.*

## WATER RECLAMATION REQUIREMENTS

Please call me at (213) 266-7619 should you have any questions.



HUBERT H. KANG  
Senior Water Resource Control Engineer

Enclosures

cc:mailing list



Recycled Paper

*Our mission is to preserve and enhance the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.*

cc: Mailing List

U.S. Environmental Protection Agency, Groundwater Protection  
Section (W-6-3)  
Environmental Protection Agency, Region 9, Permit Section (W-5-1)  
Department of Interior, U.S. Fish and Wildlife Service  
Tim Ulrich, U.S. Bureau of Reclamation, Southern California  
Section  
U.S. Army Corps of Engineers  
NOAA, National Marine Fisheries Services  
John Youngerman, State Water Resources Control Board, Division of  
Water Quality  
Jorge Leon, State Water Resources Control Board, Office of Chief  
Counsel  
Department of Water Resources, Southern District, Water Recycling  
Programs  
Gary Yamamoto, State Department of Health Services, Drinking  
Water Field Operations Branch  
Michael Kiado, Environmental Management Branch, State Department  
of Health Services  
Department of Fish and Game, Region 5  
California Coastal Commission, South Coast District  
California State Polytechnic University, Pomona  
California Department of Transportation, District 7  
Central and West Basin Water Replenishment District  
Chino Basin Municipal Water District  
Newhall County Water District  
Santa Clarita County Water District  
San Gabriel Municipal Water District  
South Coast Air Quality Management District  
Walnut Valley Water District  
Walnut Valley Unified School District  
Water Replenishment District of Southern California  
Margaret Nellor, Supervising Engineer, Monitoring Section, County  
Sanitation District, Los Angeles County  
Jack Petralia, Department of Health Services-Environmental  
Health, County of Los Angeles  
Los Angeles County, Department of Public Works, Waste Management  
Division  
Los Angeles County, Department of Public Works, Division of  
Hydrology/Water Conservation  
Los Angeles County, Department of Public Works, Engineering  
Services Division  
Los Angeles County Health Department  
Los Angeles County Parks and Recreation Department  
Ventura County Department of Environmental Health  
City of Cerritos  
City of El Monte  
City of Glendale  
City of La Canada Flintridge  
City of Los Angeles, Department of Public Works, Bureau of  
Sanitation  
City of Los Angeles, Department of Water and Power

City of Pomona, Water Department  
City of Pomona, Parks and Recreation Department  
City of Santa Fe Springs, Department of Public Works  
City of Santa Clarita  
City of Walnut  
City of West Covina  
City of Los Angeles, Department of Public Works, Wastewater  
Program Management Division  
Bookman-Edmonston Engineering, Inc.  
Friends of the Los Angeles River  
Garden State Paper Company, Inc.  
Glenn A. McPherson, Boyle Engineering Corporation  
Heal the Bay  
La Habra Heights Mutual Water Company  
Michael Bettiker, Senior Environmental Engineer, Tetra Tech Inc.  
Robert W. Birk, Plant Manager III, Donald C. Tillman Water  
Reclamation Plant  
Russ Leper, Owner, Sunshine Growers Nursery  
Santa Ana Watershed Project Authority (SAPA)  
Simpson Paper Company  
Surfriders Foundation  
Valencia Water Company

**STATE OF CALIFORNIA  
RESOURCES AGENCY  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION**

**ORDER NO. 97-072**

**READoption OF EXISTING  
WATER RECLAMATION REQUIREMENTS  
FOR**

**COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY**

Pomona Water Reclamation Plant	- File No. 54-70
Saugus Water Reclamation Plant	- File No. 61-30
La Canada Water Reclamation Plant	- File No. 61-156
Los Coyotes Water Reclamation Plant	- File No. 65-182
Valencia Water Reclamation Plant	- File No. 65-86
Long Beach Water Reclamation Plant	- File No. 69-80
San Jose Creek Water Reclamation Plant	- File No. 77-50
Whittier Narrows Water Reclamation Plant	- File No. 88-40

**LAS VIRGENES MUNICIPAL WATER DISTRICT**

Tapia Water Reclamation Facility	- File No. 64-104
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**CITY OF LOS ANGELES, DEPARTMENT OF PUBLIC WORKS**

Hyperion Treatment Plant	- File No. 55-85
Glendale Water Reclamation Plant	- File No. 68-85
Donald C. Tillman Water Reclamation Plant	- File No. 70-117

The California Regional Water Quality Control Board, Los Angeles Region, find:

1. County Sanitation Districts of Los Angeles County, Las Virgenes Municipal Water District, and City of Los Angeles, Department of Public Works reclaim the treated wastewaters from their wastewater treatment plants for various irrigational and industrial uses under Water Reclamation Requirements adopted, respectively, by this Board during the past years:

**COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY**

Pomona Water Reclamation Plant	- Order No. 81-34
Long Beach Water Reclamation Plant	- Order No. 87-47
Valencia Water Reclamation Plant	- Order No. 87-48
Saugus Water Reclamation Plant	- Order No. 87-49
San Jose Creek Water Reclamation Plant	- Order No. 87-50
Los Coyotes Water Reclamation Plant	- Order No. 87-51
La Canada Water Reclamation Plant	- Order No. 88-37
Whittier Narrows Water Reclamation Plant	- Order No. 88-107

## WATER RECLAMATION REQUIREMENTS

### **LAS VIRGENES MUNICIPAL WATER DISTRICT**

Tapia Water Reclamation Facility - Order No. 87-86

### **CITY OF LOS ANGELES, DEPARTMENT OF PUBLIC WORKS**

Hyperion Treatment Plant - Order No. 79-160

Glendale Water Reclamation Plant - Order No. 86-16

Donald C. Tillman Water Reclamation Plant - Order No. 86-39

2. The California Water Code, Section 13263(e) provides that all requirements shall be reviewed periodically and, upon such review, may be revised by the Regional Board. Regional Board staff had conducted site inspections and reviewed all monitoring reports. The discharges are currently in compliance with requirements.
3. Section 13523 of the California Water Code provides that a Regional Board, after consulting with, and receiving the recommendations of the State Department of Health Services, and after any necessary hearing, shall, if it determines such action to be necessary to protect the public health, safety, or welfare, prescribe Water Reclamation Requirements for water which is used, or proposed to be used, as reclaimed water.
4. The State Department of Health Services has been in the process of updating the California Code of Regulation, Title 22, Water Reclamation Criteria for years and will finalize these in the near future.
5. There have been no changes in the nature and conditions of the discharges.
6. Water Reclamation Requirements will be reviewed and revised upon the finalization of the updated Title 22 Water Reclamation Criteria by the State Department of Health Services.
7. These projects involve existing facilities, and, as such, are exempt from the provision of the California Environmental Quality Act (Public Resources Code, Section 2100 et seq.) in accordance with California Code of Regulations, Title 14, Chapter 3, Section 15301.

The Board has notified the dischargers and interested agencies and persons of its intent to readopt water reclamation requirements for these discharges and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public meeting heard and considered all comments pertaining to the discharges and to the requirements.

**WATER RECLAMATION REQUIREMENTS**

**IT IS HEREBY ORDERED, THAT:**

The water reclamation requirements contained in the following Orders previously adopted by this Board are hereby readopted as water reclamation requirements:

<u>File No.</u>	<u>Adoption Date</u>	<u>Discharger</u>	<u>Order No.</u>
<b>COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY</b>			
54-70	July 27, 1981	Pomona Water Reclamation Plant	81-34
61-30	April 27, 1987	Saugus Water Reclamation Plant	87-49
61-156	March 28, 1988	La Canada Water Reclamation Plant	88-37
65-86	April 27, 1987	Valencia Water Reclamation Plant	87-48
65-182	April 27, 1987	Los Coyotes Water Reclamation Plant	87-51
69-80	April 27, 1987	Long Beach Water Reclamation Plant	87-47
77-50	April 27, 1987	San Jose Creek Water Reclamation Plant	87-50
88-40	October 24, 1988	Whittier Narrows Water Reclamation Plant	88-107
<b>LAS VIRGENES MUNICIPAL WATER DISTRICT</b>			
64-104	June 22, 1987	Tapia Water Reclamation Facility	87-86
<b>CITY OF LOS ANGELES, DEPARTMENT OF PUBLIC WORKS</b>			
55-85	October 22, 1979	Hyperion Treatment Plant	79-160
68-85	March 24, 1986	Glendale Water Reclamation Plant	86-16
70-117	June 23, 1986	Donald C. Tillman Water Reclamation Plant	86-39

I, Lawrence P. Kolb, Acting Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on May 12, 1997.

  
LAWRENCE P. KOLB,  
ACTING EXECUTIVE OFFICER



# **Long Beach Water Reclamation Plant Water Reclamation Requirements**

85-0.01-07/87

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—  
LOS ANGELES REGION

SOUTH BROADWAY, SUITE 4027  
LOS ANGELES, CALIFORNIA 90012-4596  
(213) 620-4460



REC JUL 21 AM 10:51

July 9, 1987

Mr. Robert W. Horvath  
Head, Monitoring and Research  
County Sanitation Districts of  
Los Angeles County  
P.O. Box 4998  
Whittier, CA 90607

WATER RECLAMATION REQUIREMENTS - LONG BEACH WATER RECLAMATION PLANT  
(FILE NO. 69-80; CI 6184)

Reference is made to our letter dated May 4, 1987 which transmitted the requirements for your reuse of treated effluent.

By mistake, the copy transmitted did not include the revisions made on April 10, 1987. Enclosed is the corrected copy of the requirements as adopted by the Board on April 27, 1987.

We regret any inconvenience this may have caused.

If you have any questions, please call Mr. Gregg Kwey at (213) 620-2784.

*[Handwritten signature]*  
J. E. ROSS  
Senior Water Resource  
Control Engineer

cc: See attached mailing list

Enclosures

*Michelle  
Horvath  
7-21-87*

Doc #

*State*  
7-23-87  
C. W. CARBY

Mr. Robert W. Horvath  
Mailing List

State Water Resources Control Board, Division of Water  
Quality, Attn: Archie Matthews  
Department of Water Resources  
Department of Health Services, Sanitary Engineering Section  
Los Angeles County, Department of Health Services  
Los Angeles County, Department of Public Works, Hydraulic/Water  
Conservation Division  
Los Angeles County, Department of Public Works, Engineering  
Services Division  
City of Long Beach, Health Department  
Long Beach Water Department  
Long Beach Bureau of Parks and Recreation  
2760 Studebaker Rd., Long Beach, CA 90815  
American Golf Corporation  
641 North Sepulveda Bl, Los Angeles, CA 90049  
California Department of Transportation  
P.O. Box 2304, Los Angeles, CA 90806  
Long Beach Unified School District  
151 East 27th St., Long Beach, CA 90806  
California State University, Long Beach  
1331 Palo Verde Ave., Long Beach, CA 90840  
Seaside Lawn Bowls, Inc.  
2728 East 1st St., Long Beach, CA 90803  
Akira Kitano  
5431 East Spring St., Long Beach, CA 90808  
David Sasuga  
P.O. Box 4251, Long Beach, CA 90808

State of California  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

ORDER NO. 87-47

WATER RECLAMATION REQUIREMENTS  
FOR

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY  
(Long Beach Water Reclamation Plant)  
(File No. 69-80)

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. County Sanitation Districts of Los Angeles County (hereinafter referred to as "Reclaimer") operates Long Beach Water Reclamation Plant, located at 7400 East Willow Street, Long Beach, California, with a design flow of 25 million gallons per day, and discharges reclaimed water to the City of Long Beach reclaimed water line under requirements contained in Order No. 79-131 adopted by this Board on July 23, 1979.
2. The City of Long Beach Water Department, the primary user of this reclaimed water, recently completed Stage 5 of their reclaimed water system. Stage 5 involves delivery of reclaimed water to six new reuse sites within the City of Long Beach and is the final stage in the City of Long Beach's master plan for the use of reclaimed water. Reclaimed water from the Long Beach Water Reclamation Plant may be used for impoundment and landscape irrigation on about 1,325 acres of public land as proposed by the City of Long Beach's master plan for use of reclaimed water. The City's primary uses are irrigation of parks, golf courses, athletic fields, and landscaped area.
3. The treatment consists of primary sedimentation, activated sludge, secondary sedimentation, filtration and chlorination. The sludge is piped to, and processed in the County Sanitation Districts' Joint Water Pollution Control Plant in Carson.
4. The treated wastewater may also be discharged to Coyote Creek and San Gabriel River under separate waste discharge requirements and National Pollution Discharge Elimination System permit (NPDES Permit No. CA0054119) adopted by this Board.
5. The areas of reclaimed water use are located in Sections 24 and 25, T4S, R12W, SBB & M, within the Central Basin, Coastal Plain Subunit.

6. The Bellflower Aquiclude underlies the local area and separates the shallow ground water, or semiperched aquifer where it exists, from the deeper production aquifers. This aquiclude restricts deep percolation of reclaimed waters to the water supply aquifers.
7. The waters of the semiperched aquifer are of relatively poor mineral quality and are not beneficially used.
8. The Board adopted a Revised Water Quality Control Plan for Los Angeles River Basin on November 27, 1978. The Plan contains water quality objectives for ground water in Central Basin, Coastal Plain Subunit. The requirements contained in this Order, as they are met, will be in conformance with the goals of the Water Quality Control Plan.
9. Ground water in the Coastal Plain is beneficially used for municipal and domestic supply, agricultural supply, and industrial service and process supply.
10. Section 13523 of the California Water Code provides that a Regional Board, after consulting with and receiving the recommendations of the State Department of Health Services and after any necessary hearing, shall, if it determines such action to be necessary to protect the public health, safety, or welfare, prescribe water reclamation requirements for water which is used or proposed to be used as reclaimed water. Section 13523 further provides that such requirements shall include, or be in conformance with, the statewide reclamation criteria.
11. The use of reclaimed water for impoundments or for irrigation could affect the public health, safety, or welfare; requirements for such use are therefore necessary in accordance with Section 13523 of the Water Code.
12. This project involves an existing facility and as such is exempt from the provisions of the California Environmental Quality Act in accordance with California Administrative Code, Title 14, Chapter 3, Section 15301.

The Board has notified the Reclaimer and interested agencies and persons of its intent to prescribe water reclamation requirements and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public meeting heard and considered all comments pertaining to the reclamation and to the tentative requirements.

IT IS HEREBY ORDERED, that County Sanitation Districts of Los Angeles County, shall comply with the following:

A. Reclaimed Water Limitations

1. Reclaimed water shall be limited to treated municipal wastewater only, as proposed.
2. Reclaimed water shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>Maximum Limitations</u>
Total dissolved solids	mg/l	1,000
Chloride	mg/l	250
Sulfate	mg/l	250
Boron	mg/l	1.5

3. The pH of reclaimed water shall at all times be within the range 6.0 to 9.0.
4. Reclaimed water shall not contain trace constituents or other substances in concentrations exceeding the limits contained in the current edition of the California Department of Health Services Drinking Water Standards.
5. Radioactivity shall not exceed the limits specified in Title 22, Chapter 15, Article 5, Sections 64441 and 64443, California Administrative Code, or subsequent revisions.
6. Reclaimed water shall not cause the nitrogen content in the receiving ground water to exceed the objectives in the Water Quality Control Plan.
7. Reclaimed water, used for agricultural supply, shall not contain concentrations of chemical constituents in amounts that adversely affect such beneficial use.

B. Specifications for Use of Reclaimed Water

1. Reclaimed water used for the irrigation of golf courses, cemeteries, freeway landscapes, and landscapes in other areas where the public has similar access or

exposure shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of coliform organisms does not exceed 240 per 100 milliliters in any two consecutive samples.

Oxidized wastewater means wastewater in which the organic matter has been stabilized, is nonputrescible, and contains dissolved oxygen.

Disinfected wastewater means wastewater in which the pathogenic organisms have been destroyed by chemical, physical or biological means.

2. Reclaimed water used for the irrigation of parks, playgrounds, schoolyard, and other areas where the public has similar access or exposure shall be at all times an adequately disinfected, oxidized, coagulated, clarified, filtered wastewater or a wastewater treated by a sequence of unit processes that will assure an equivalent degree of treatment and reliability.

The wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of coliform organisms does not exceed 23 per 100 milliliters in any sample.

A coagulated wastewater means an oxidized wastewater in which colloidal and finely divided suspended matter have been destabilized and agglomerated by the addition of suitable floc-forming chemicals or by an equally effective method.

A filtered wastewater means an oxidized, coagulated, clarified wastewater which has been passed through natural undisturbed soils or filter media, such as sand or diatomaceous earth, so that the turbidity as determined by an approved laboratory method does not exceed an average operating turbidity of 2 turbidity units and does not exceed 5 turbidity units more than 5 percent of the time during any 24-hour period.

3. Reclaimed water used as a source of supply in a nonrestricted recreational impoundment shall be at all times an adequately disinfected, oxidized, coagulated, clarified, filtered wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 2.2 per 100 milliliters and the number of coliform organisms does not exceed 23 per 100 milliliters in more than one sample within any 30-day period. The median value shall be determined from the bacteriological results of the last 7 days for which analyses have been completed.

4. Reclaimed water used as a source of supply in a restricted recreational impoundment shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed.

5. Reclaimed water used as a source of supply in a landscape impoundment shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed.

6. Reclaimed water shall not be directly used for uses other than those enumerated above until requirements for these uses have been established by this Board in accordance with Section 13523 of the California Water Code, unless the Board waives such requirements or finds that the above cited standards are applicable to these uses.
7. Reclaimed water uses shall meet the requirements specified in the "Guidelines for Use of Reclaimed



Water" issued by the State Department of Health Services.

8. Reclaimed water used for irrigation shall be retained on the areas of use and shall not be allowed to escape as surface flow except as provided for in a National Pollutant Discharge Elimination System Permit.

For the purpose of this requirement, however, minor amounts of irrigation return water from peripheral areas shall not be considered a violation of this Order provided the discharge meets the requirements contained in a National Pollutant Discharge Elimination System Permit issued to the County Sanitation Districts of Los Angeles County (Long Beach Water Reclamation Plant).

9. Reclaimed water shall be applied at such a rate and volume as not to exceed vegetative demand and soil moisture conditions. Special precautions must be taken to prevent clogging of spray nozzles, to prevent overwatering and to exclude the production of runoff. Pipelines shall be maintained so as to prevent leaks.
10. Reclaimed water used for irrigation shall not be allowed to run off into recreational lakes unless it meets the criteria for such lakes.

C. General Requirements

1. The discharge or use of raw or inadequately treated sewage at any time is prohibited.
2. Reclaimed water shall not be used for irrigation during periods of rainfall and/or runoff.
3. Standby or emergency power facilities and/or sufficient capacity shall be provided for reclaimed water storage during rainfall or in the event of plant upsets or outages, and at times when spray irrigation cannot be practiced.
4. Reclaimed water use or disposal shall not result in earth movement in geologically unstable areas.
5. Adequate facilities shall be provided to protect the sewage treatment and reclamation facilities from damage by storm flows and runoff.

6. Adequate freeboard shall be maintained in reclaimed water storage pond to ensure that direct rainfall will not cause overtopping.
7. Neither treatment of waste nor any reclaimed water use or disposal shall cause pollution or nuisance.
8. Water reclamation and reuse or disposal shall not result in problems due to breeding of mosquitoes, gnats, midges, or other pests.
9. Reclaimed water use or disposal shall not impart tastes, odors, color, foaming, or other objectionable characteristics to receiving ground waters.
10. Reclaimed water use or disposal which could affect receiving ground waters shall not contain any substance in concentrations toxic to human, animal, or plant life.
11. Odors of sewage origin shall not cause a nuisance.

D. Provisions

1. A copy of these requirements shall be maintained at the reclamation facility so as to be available at all times to operating personnel.
2. In the event of any change in name, ownership, or control of these waste treatment and reclamation facilities, the Reclaimer shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, copy of which shall be forwarded to the Board.
3. In accordance with Section 13522.5 of the Water Code and Section 60323 of the Wastewater Reclamation Criteria, the Reclaimer shall file an engineering report, prepared by a properly qualified engineer registered in California, of any material change or proposed change in character, location or volume of the reclaimed water or its uses to the Board and State Department of Health Services.
4. The Reclaimer shall file with the Board technical reports on self monitoring work performed according to the detailed specifications contained in the Monitoring and Reporting Programs, as directed by the Executive Officer.

5. The Reclaimer shall notify this Board by telephone within 24 hours of any violations of reclaimed water use conditions or any adverse conditions as a result of the use of reclaimed water from this facility; written confirmation shall follow within one week.
6. The Reclaimer shall notify Board staff by telephone immediately of any confirmed coliform counts that could cause a violation of the 7-day median limit, including the date(s) thereof. This information shall be confirmed in the next monitoring report; in addition, for any actual coliform limit violations that occurred, the report shall also include the reasons for the high coliform results, the steps being taken to correct the problem (including dates thereof), and the steps being taken to prevent a recurrence.
7. These requirements do not exempt the Reclaimer from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this reclamation facility, and they leave unaffected any further restraint on the use of reclaimed water at this site which may be contained on other statutes or required by other agencies.
8. The Reclaimer shall be responsible to insure that all users of reclaimed water comply with the specifications and requirements for such use.
9. This Order does not alleviate the responsibility of the Reclaimer to obtain other necessary local, state, and federal permits to construct facilities necessary for compliance with this Order; nor does this Order prevent imposition of additional standards, requirements, or conditions by any other regulatory agency. Expansion of this facility from its current capacity shall be contingent upon issuance of all necessary permits, including a conditional use permit.
10. Supervisors and operators of this publicly owned wastewater treatment plant shall possess a certificate of appropriate grade as specified in California Administrative Code, Title 23, Chapter 3, Subchapter 14, Section 2455 and 2460.
11. The Reclaimer shall provide to each user of reclaimed water from Long Beach Water Reclamation Plant a copy of these requirements, to be maintained at the user's

facility as to be available at all times to operating personnel.

12. For any extension of the reclaimed water system, the Reclaimer shall submit a report detailing the extension for the approval of the Executive Officer. Following construction, as built drawings shall be submitted to the Executive Officer for approval prior to use of reclaimed water.
13. The Reclaimer shall submit to the Board within 60 days of the adoption of this Order, a fail-safe procedure for approval by the Executive Officer.
14. Order No. 79-131 adopted by this Board on July 23, 1979, is hereby rescinded.

I, Robert P. Ghirelli, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on April 27, 1987.

  
\_\_\_\_\_  
ROBERT P. GHIRELLI, D.Env.  
Executive Officer

GK/

State of California  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 6184  
FOR

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY  
(Long Beach Water Reclamation Plant)  
(File No. 69-80)

The Reclaimer shall implement this monitoring program on the effective date of this Order.

Monitoring reports shall be submitted by the dates in the following schedule:

<u>Reporting period</u>	<u>Report Due</u>
January - March	May 15
April - June	August 15
July - September	November 15
October - December	February 15

The first monitoring report under this program shall be submitted by August 15, 1987.

By March 1 of each year, the Reclaimer 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 Reclaimer 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 Requirements.

Values obtained for the NPDES monitoring report during periods of discharge to surface waters may be reported here in lieu of duplicate testing, if representative. However, non-NPDES self-monitoring reports shall be submitted separately from the NPDES monitoring reports.

Reclaimed Water Monitoring

A sampling station shall be established where representative samples of reclaimed water can be obtained. Reclaimed water samples may be obtained at a single station provided that station is representative of the quality at all discharge points. Each sampling station shall be identified. The following shall constitute the reclaimed water monitoring program:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Turbidity <sup>1</sup>	NTU	continuous	-----
Total flow <sup>2</sup>	gallon	continuous	-----
Coliform group <sup>3</sup>	MPN/100ml	grab	daily
pH	pH units	grab	daily
Total dissolved solids	mg/l	24-hr composite	monthly
Chloride	mg/l	24-hr composite	monthly
Boron	mg/l	24-hr composite	monthly
Sulfate	mg/l	24-hr composite	monthly
Arsenic	mg/l	24-hr composite	quarterly
Barium	mg/l	24-hr composite	quarterly
Cadmium	mg/l	24-hr composite	quarterly
Chromium	mg/l	24-hr composite	quarterly
Lead	mg/l	24-hr composite	quarterly
Mercury	mg/l	24-hr composite	quarterly
Selenium	mg/l	24-hr composite	quarterly
Silver	mg/l	24-hr composite	quarterly
Cyanide	mg/l	24-hr composite	quarterly
Nitrate	mg/l	24-hr composite	quarterly

<sup>1</sup>Required only for applications having a turbidity limit. The average value recorded each day and amount of time that 5 NTU was exceeded each day shall be reported. Turbidity samples may be obtained anywhere in the treatment process subsequent to the filtration procedure.

<sup>2</sup>Shall report the daily volume of reclaimed water and the monthly volume used at each site.

<sup>3</sup>Samples shall be obtained at some point in the treatment process at a time when wastewater flow and characteristics are most demanding on the treatment facility and disinfection procedures. The location(s) of the sampling point(s) and any changes thereto must be approved by the Executive Officer, and proposed changes shall not be made until such approval has been granted. If reclaimed water is used for irrigation of golf courses, cemeteries, freeway landscapes, parks, playgrounds, schoolyards, or other areas where the public has similar access or exposure, samples shall be obtained subsequent to the chlorination procedure. Coliform values obtained must meet the strictest requirement specified for all uses during periods of multiple use, unless separate coliform analyses are obtained at each particular point of use.

Fluoride	mg/l	24-hr composite	quarterly
Radioactivity	pCi/l	24-hr composite	quarterly
Total identifiable chlorinated hydrocarbon	ug/l	grab	quarterly
Priority Pollutants	ug/l	grab	semi-annually

General Provisions for Sampling and Analysis

All sampling, sample preservation, and analyses 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.

All chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Water Resources Control Board or approved by the Executive Officer.

General Provisions for Reporting

For every item where the requirements are not met, the Reclaimer 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 submit a timetable for correction.

The Reclaimer shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; dates analyses were performed; 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.

In reporting the monitoring data, the Reclaimer shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with Water Reclamation Requirements and, where applicable, shall include results of receiving water observations.

The Reclaimer shall file a report with this Board describing the purposes for which reclaimed water from this facility is used, estimating quantities used for each type of use, depicting on a map or drawing the area(s) of use, and stating the name and address of each user of reclaimed water if other than the Reclaimer. This report shall be updated at least annually, and shall be included with the annual report due March 1 each year.

Each quarterly report shall include a statement that all reclaimed water was used only as specified in the requirements during the quarter.

If no water was delivered for reuse during the quarter, the report shall so state.

Monitoring reports shall be signed by:

- a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which 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 municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

Executed on the \_\_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_.

\_\_\_\_\_ (Signature)

\_\_\_\_\_ (Title)"

Ordered by Robert P. Ghirelli  
Executive Officer

April 27, 1987  
Date



# **Los Coyotes Water Reclamation Plant Water Reclamation Requirements**

83 - 01.01 - 07/87

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—  
LOS ANGELES REGION



1000 SOUTH BROADWAY, SUITE 4027  
LOS ANGELES, CALIFORNIA 90012-4596  
(213) 620-4460

1987 JUL 14 AM 9:37

July 9, 1987

Mr. Robert W. Horvath  
Head, Monitoring and Research  
County Sanitation Districts of  
Los Angeles County  
P.O. Box 4998  
Whittier, CA 90607

WATER RECLAMATION REQUIREMENTS - LOS COYOTES WATER RECLAMATION PLANT  
(FILE NO. 65-182; CI 6182)

Reference is made to our letter dated May 4, 1987, which transmitted the requirements for your reuse of treated effluent.

By mistake, the copy transmitted did not include the revisions made on April 10, 1987. Enclosed is the corrected copy of the requirements as adopted by the Board on April 27, 1987.

We regret any inconvenience this may have caused.

If you have any questions, please call Mr. Gregg Kwey at (213) 620-2784.

J. E. ROSS  
Senior Water Resource  
Control Engineer

cc: See attached mailing list

Enclosures

DOC #

Mr. Robert W. Horvath  
Mailing List

State Water Resources Control Board, Division of Water  
Quality, Attn: Archie Matthews  
Department of Water Resources  
Department of Health Services, Sanitary Engineering Section  
Los Angeles County, Department of Health Services  
Los Angeles County, Department of Public Works, Hydraulic/Water  
Conservation Division  
Los Angeles County, Department of Public Works, Engineering  
Services Division

State of California  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

ORDER NO. 87-51

WATER RECLAMATION REQUIREMENTS  
FOR

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY  
(Los Coyotes Water Reclamation Plant)  
(File No. 65-182)

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. County Sanitation Districts of Los Angeles County (hereinafter referred to as "Reclaimer") operates Los Coyotes Water Reclamation Plant, located at 10740 East 166th Street, Cerritos, California, with a design flow of 37.5 million gallons per day (mgd), and reclaims all or a portion of its treated municipal wastewater under Waste Discharge Requirements contained in Order No. 78-141 adopted by this Board on November 27, 1978.
2. In 1986/87 the Reclaimer completed a project that increased the plants treated effluent reuse. Current uses are landscape irrigation for a City of Cerritos golf course and Caruthers Park in the City of Bellflower.
3. The wastewater treatment consists of primary sedimentation, activated sludge, secondary sedimentation, filtration, chlorination, and dechlorination. Sludge is diverted to Joint Water Pollution Control Plant for disposal.
4. A review of the current requirements has been conducted by Board staff in accordance with California Administration Code, Title 23, Chapter 3, Subchapter 9, Article 2, Section 2232.2.
5. The treated wastewater may also be discharged to San Gabriel River under separate waste discharge requirements and National Pollution Discharge Elimination System permit (NPDES Permit No. CA0054011) adopted by this Board.
6. The areas of reclaimed water uses are located within the Central Hydrologic Subarea.
7. The Board adopted a Revised Water Quality Control Plan for Los Angeles River Basin on November 27, 1978. The Plan contains water quality objectives for ground water in the Central Hydrologic Subarea. The requirements contained in

- this Order, as they are met, will be in conformance with the goals of the Water Quality Control Plan.
8. The Bellflower Aquiclude underlies the local area. This aquiclude restricts deep percolation of reclaimed wastewater to water supply aquifers and traps it in a semi-perched aquifer of poor mineral quality and, as such, is not beneficially used.
  9. Section 13523 of the California Water Code provides that a regional board, after consulting with and receiving the recommendations of the State Department of Health Services and after any necessary hearing, shall, if it determines such action to be necessary to protect the public health, safety, or welfare, prescribe water reclamation requirements for water which is used or proposed to be used as reclaimed water. Section 13523 further provides that such requirements shall include, or be in conformance with, the statewide reclamation criteria.
  10. The use of reclaimed water for impoundments or for irrigation could affect the public health, safety, or welfare; requirements for such use are therefore necessary in accordance with Section 13523 of the Water Code.
  11. This project involves an existing facility and as such is exempt from the provisions of the California Environmental Quality Act in accordance with California Administrative Code, Title 14, Chapter 3, Section 15301.

The Board has notified the Reclaimer and interested agencies and persons of its intent to prescribe water reclamation requirements for this direct beneficial use and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public meeting heard and considered all comments pertaining to the direct beneficial use and to the tentative water reclamation requirements.

IT IS HEREBY ORDERED, that County Sanitation Districts of Los Angeles County, shall comply with the following:

A. Reclaimed Water Limitations

1. Reclaimed water shall be limited to treated municipal wastewater only, as proposed.
2. Reclaimed water shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>Maximum Limitations</u>
Total dissolved solids	mg/l	1000
Chloride	mg/l	250
Sulfate	mg/l	250
Boron	mg/l	1.5

3. The pH of reclaimed water shall at all times be within the range 6.0 to 9.0.
4. Reclaimed water shall not contain trace constituents or other substances in concentrations exceeding the limits contained in the current edition of the California Department of Health Services Drinking Water Standards.
5. Radioactivity shall not exceed the limits specified in Title 22, Chapter 15, Article 5, Sections 64441 and 64443, California Administrative Code, or subsequent revisions.
6. Reclaimed water shall not cause the nitrogen content in the receiving ground water to exceed the objectives in the Water Quality Control Plan.
7. Reclaimed water, used for agricultural supply, shall not contain concentrations of chemical constituents in amounts that adversely affect such beneficial use.

B. Specifications for Use of Reclaimed Water

1. Reclaimed water used for the irrigation of golf courses, cemeteries, freeway landscapes, and landscapes in other areas where the public has similar access or exposure shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of coliform organisms does not exceed 240 per 100 milliliters in any two consecutive samples.

Oxidized wastewater means wastewater in which the organic matter has been stabilized, is nonputrescible, and contains dissolved oxygen.

Disinfected wastewater means wastewater in which the pathogenic organisms have been destroyed by chemical, physical or biological means.

2. Reclaimed water used for the irrigation of parks, playgrounds, schoolyard, and other areas where the public has similar access or exposure shall be at all times an adequately disinfected, oxidized, coagulated, clarified, filtered wastewater or a wastewater treated by a sequence of unit processes that will assure an equivalent degree of treatment and reliability.

The wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of coliform organisms does not exceed 23 per 100 milliliters in any sample.

A coagulated wastewater means an oxidized wastewater in which colloidal and finely divided suspended matter have been destabilized and agglomerated by the addition of suitable floc-forming chemicals or by an equally effective method.

A filtered wastewater means an oxidized, coagulated, clarified wastewater which has been passed through natural undisturbed soils or filter media, such as sand or diatomaceous earth, so that the turbidity as determined by an approved laboratory method does not exceed an average operating turbidity of 2 turbidity units and does not exceed 5 turbidity units more than 5 percent of the time during any 24-hour period.

3. Reclaimed water used as a source of supply in a nonrestricted recreational impoundment shall be at all times an adequately disinfected, oxidized, coagulated, clarified, filtered wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 2.2 per 100 milliliters and the number of coliform organisms does not exceed 23 per 100 milliliters in more than one sample within any 30-day period. The median value shall be determined from the

bacteriological results of the last 7 days for which analyses have been completed.

4. Reclaimed water used as a source of supply in a restricted recreational impoundment shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed.

5. Reclaimed water used as a source of supply in a landscape impoundment shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed.

6. Reclaimed water shall not be directly used for uses other than those enumerated above until requirements for these uses have been established by this Board in accordance with Section 13523 of the California Water Code, unless the Board waives such requirements or finds that the above cited standards are applicable to these uses.

7. Reclaimed water uses shall meet the requirements specified in the "Guidelines for Use of Reclaimed Water" issued by the State Department of Health Services.

8. Reclaimed water used for irrigation shall be retained on the areas of use and shall not be allowed to escape as surface flow except as provided for in a National Pollutant Discharge Elimination System Permit.

For the purpose of this requirement, however, minor amounts of irrigation return water from peripheral areas shall not be considered a violation of this Order provided the discharge meets the requirements contained in a National Pollutant Discharge Elimination System



Permit issued to the County Sanitation Districts of Los Angeles County (Los Coyotes Water Reclamation Plant).

9. Reclaimed water shall be applied at such a rate and volume as not to exceed vegetative demand and soil moisture conditions. Special precautions must be taken to prevent clogging of spray nozzles, to prevent overwatering and to exclude the production of runoff. Pipelines shall be maintained so as to prevent leaks.
10. Reclaimed water used for irrigation shall not be allowed to run off into recreational lakes unless it meets the criteria for such lakes.

C. General Requirements

1. The discharge or use of raw or inadequately treated sewage at any time is prohibited.
2. Reclaimed water shall not be used for irrigation during periods of extended rainfall and/or runoff.
3. Standby or emergency power facilities and/or sufficient capacity shall be provided for reclaimed water storage during rainfall or in the event of plant upsets or outages, and at times when spray irrigation cannot be practiced.
4. Reclaimed water use or disposal shall not result in earth movement in geologically unstable areas.
5. Adequate facilities shall be provided to protect the sewage treatment and reclamation facilities from damage by storm flows and runoff.
6. Adequate freeboard shall be maintained in reclaimed water storage pond to ensure that direct rainfall will not cause overtopping.
7. Neither treatment of waste nor any reclaimed water use or disposal shall cause pollution or nuisance.
8. Water reclamation and reuse or disposal shall not result in problems due to breeding of mosquitoes, gnats, midges, or other pests.
9. Reclaimed water use or disposal shall not impart tastes, odors, color, foaming, or other objectionable characteristics to receiving ground waters.

10. Reclaimed water use or disposal which could affect receiving ground waters shall not contain any substance in concentrations toxic to human, animal, or plant life.
11. Odors of sewage origin shall not cause a nuisance.

D. Provisions

1. A copy of these requirements shall be maintained at the reclamation facility so as to be available at all times to operating personnel.
2. In the event of any change in name, ownership, or control of these waste treatment and reclamation facilities, the Reclaimer shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, copy of which shall be forwarded to the Board.
3. In accordance with Section 13522.5 of the Water Code and Section 60323 of the Wastewater Reclamation Criteria, the Reclaimer shall file an engineering report, prepared by a properly qualified engineer registered in California, of any material change or proposed change in character, location or volume of the reclaimed water or its uses to the Board and State Department of Health Services.
4. The Reclaimer shall file with the Board technical reports on self monitoring work performed according to the detailed specifications contained in the Monitoring and Reporting Programs, as directed by the Executive Officer.
5. The Reclaimer shall notify this Board by telephone within 24 hours of any violations of reclaimed water use conditions or any adverse conditions as a result of the use of reclaimed water from this facility; written confirmation shall follow within one week.
6. The Reclaimer shall notify Board staff by telephone immediately of any confirmed coliform counts that could cause a violation of the 7-day median limit, including the date(s) thereof. This information shall be confirmed in the next monitoring report; in addition, for any actual coliform limit violations that occurred, the report shall also include the reasons for the high

coliform results, the steps being taken to correct the problem (including dates thereof), and the steps being taken to prevent a recurrence.

7. These requirements do not exempt the Reclaimer from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this reclamation facility, and they leave unaffected any further restraint on the use of reclaimed water at this site which may be contained on other statutes or required by other agencies.
8. The Reclaimer shall be responsible to insure that all users of reclaimed water comply with the specifications and requirements for such use.
9. This Order does not alleviate the responsibility of the Reclaimer to obtain other necessary local, state, and federal permits to construct facilities necessary for compliance with this Order; nor does this Order prevent imposition of additional standards, requirements, or conditions by any other regulatory agency. Expansion of this facility from its current capacity shall be contingent upon issuance of all necessary permits, including a conditional use permit.
10. Supervisors and operators of this publicly owned wastewater treatment plant shall possess a certificate of appropriate grade as specified in California Administrative Code, Title 23, Chapter 3, Subchapter 14, Section 2455 and 2460.
11. The Reclaimer shall provide to each user of reclaimed water from Los Coyotes Water Reclamation Plant a copy of these requirements, to be maintained at the user's facility as to be available at all times to operating personnel.
12. For any extension of the reclaimed water system, the Reclaimer shall submit a report detailing the extension for the approval of the Executive Officer. Following construction, as built drawings shall be submitted to the Executive Officer for approval prior to use of reclaimed water.
13. The Reclaimer shall submit to the Board within 60 days of the adoption of this Order, a fail-safe procedure for approval by the Executive Officer.

14. Order No. 78-141 adopted by this Board on November 27, 1978, is hereby rescinded.

I, Robert P. Ghirelli, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on April 27, 1987.

  
\_\_\_\_\_  
ROBERT P. GHIRELLI, D.Env.  
Executive Officer

GK/

State of California  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 6182  
FOR

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY  
(Los Coyotes Water Reclamation Plant)  
(File No. 65-182)

The Reclaimer shall implement this monitoring program on the effective date of this Order.

Monitoring reports shall be submitted by the dates in the following schedule:

<u>Reporting period</u>	<u>Report Due</u>
January - March	May 15
April - June	August 15
July - September	November 15
October - December	February 15

The first monitoring report under this program shall be submitted by August 15, 1987.

By March 1 of each year, the Reclaimer 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 Reclaimer 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 Requirements.

Values obtained for the NPDES monitoring report during periods of discharge to surface waters may be reported here in lieu of duplicate testing, if representative. However, non-NPDES self-monitoring reports shall be submitted separately from the NPDES monitoring reports.

Reclaimed Water Monitoring

A sampling station shall be established where representative samples of reclaimed water can be obtained. Reclaimed water samples may be obtained at a single station provided that station is representative of the quality at all discharge points. Each sampling station shall be identified. The following shall constitute the reclaimed water monitoring program:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Turbidity <sup>1</sup>	NTU	continuous	-----
Total flow <sup>2</sup>	gallons	continuous	-----
Coliform group <sup>3</sup>	MPN/100ml	grab	daily
pH	pH units	grab	daily
Total dissolved solids	mg/l	24-hr composite	monthly
Chloride	mg/l	24-hr composite	monthly
Boron	mg/l	24-hr composite	monthly
Sulfate	mg/l	24-hr composite	monthly
Arsenic	mg/l	24-hr composite	quarterly
Barium	mg/l	24-hr composite	quarterly
Cadmium	mg/l	24-hr composite	quarterly
Chromium	mg/l	24-hr composite	quarterly
Lead	mg/l	24-hr composite	quarterly
Mercury	mg/l	24-hr composite	quarterly
Selenium	mg/l	24-hr composite	quarterly
Silver	mg/l	24-hr composite	quarterly
Cyanide	mg/l	24-hr composite	quarterly
Nitrate	mg/l	24-hr composite	quarterly

<sup>1</sup>Required only for applications having a turbidity limit. The average value recorded each day and amount of time that 5 NTU was exceeded each day shall be reported. Turbidity samples may be obtained anywhere in the treatment process subsequent to the filtration procedure.

<sup>2</sup>Shall report the daily volume of reclaimed water used at each site of use.

<sup>3</sup>Samples shall be obtained at some point in the treatment process at a time when wastewater flow and characteristics are most demanding on the treatment facility and disinfection procedures. The location(s) of the sampling point(s) and any changes thereto must be approved by the Executive Officer, and proposed changes shall not be made until such approval has been granted. If reclaimed water is used for irrigation of golf courses, cemeteries, freeway landscapes, parks, playgrounds, schoolyards, or other areas where the public has similar access or exposure, samples shall be obtained subsequent to the chlorination procedure. Coliform values obtained must meet the strictest requirement specified for all uses during periods of multiple use, unless separate coliform analyses are obtained at each particular point of use.

Fluoride	mg/l	24-hr composite	quarterly
Radioactivity	pCi/l	24-hr composite	quarterly
Total identifiable chlorinated hydrocarbon	ug/l	grab	quarterly
Priority Pollutants	ug/l	grab	semi-annual

General Provisions for Sampling and Analysis

All sampling, sample preservation, and analyses 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.

All chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Water Resources Control Board or approved by the Executive Officer.

General Provisions for Reporting

For every item where the requirements are not met, the Reclaimer 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 submit a timetable for correction.

The Reclaimer shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; dates analyses were performed; 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.

In reporting the monitoring data, the Reclaimer shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with Water Reclamation Requirements and, where applicable, shall include results of receiving water observations.

The Reclaimer shall file a report with this Board describing the purposes for which reclaimed water from this facility is used, estimating quantities used for each type of use, depicting on a map or drawing the area(s) of use, and stating the name and address of each user of reclaimed water if other than the Reclaimer. This report shall be updated at least annually, and shall be included with the annual report due March 1 each year.

Each quarterly report shall include a statement that all reclaimed water was used only as specified in the requirements during the quarter.

If no water was delivered for reuse during the quarter, the report shall so state.

Monitoring reports shall be signed by:

- a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which 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 municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

Executed on the \_\_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_.

\_\_\_\_\_ (Signature)

\_\_\_\_\_ (Title)"

Ordered by Robert P. Ghirelli  
Executive Officer

April 27, 1987  
Date



# **Pomona Water Reclamation Plant Water Reclamation Requirements**

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—  
LOS ANGELES REGION

107 SOUTH BROADWAY, SUITE 4027  
LOS ANGELES, CALIFORNIA 90012  
(213) 620-4460

4-17-81  
26-02-01-07/81  
35-04-51-07/81

87-01-01-07/81

1981 JUL 31 AM 11:02



JUL 30 1981

County Sanitation Districts of  
Los Angeles County  
P. O. Box 4998  
Whittier, CA 90607

ATTN: Mr. Walter E. Garrison  
Chief Engineer and General Manager

RE: Revised Water Reclamation Requirements  
(File Nos. 54-70, 61-30, 65-86, and 77-50)

1981 JUL -2 AM 9:18

Gentlemen:

Reference is made to our letters dated June 23, 1981, which transmitted drafts of tentative requirements for use of reclaimed water from the Pomona, Saugus, Valencia and San Jose Water Reclamation Plants.

Pursuant to Division 7 of the California Water Code, this California Regional Water Quality Control Board, at a public meeting held on July 27, 1981, reviewed these tentative requirements, considered all factors in the cases, and adopted the following Orders:

<u>Order No.</u>	<u>Reclamation Plant</u>	<u>File No.</u>	<u>Compliance File No.</u>
81-34	Pomona (District 21)	54-70	6241
81-35	Saugus (District 26)	61-30	6188
81-36	Valencia (District 32)	65-86	6186
81-33	San Jose Creek	77-50	6372

Also attached are copies of specifications for technical reports to be submitted by you. Your first monitoring reports are due by October 15, 1981. Please reference all technical and monitoring reports to their respective compliance file numbers. We would appreciate it if you would not combine other reports, such as progress or technical reports, with the monitoring reports but would submit each type of report as a separate document.

Very truly yours,

*Raymond M. Hertel*  
RAYMOND M. HERTEL  
Executive Officer

cc: See attached mailing list

Enclosures

*make any changes?  
w  
7-31-81*

*with*

*one  
7-31-81*

JUL 30 1981

cc: U. S. Army Corps of Engineers  
State Water Resources Control Board, Division of Technical Services  
ATTN: Walter Pettit  
Department of Water Resources  
Department of Fish and Game, Region 5  
Department of Health Services, Sanitary Engineering Section  
Los Angeles County Flood Control District  
Los Angeles County Engineer-Facilities, Sanitation Division  
State Water Resources Control Board, Office of Water Recycling  
ATTN: Mr. Kurt Wassermann  
State Water Resources Control Board, Division of Water Quality  
ATTN: Mr. Mike Sloss  
Bouquet Canyon Water Company (Saugus and Valencia only)  
County of Los Angeles, Department of Health Services  
San Gabriel Valley Municipal Water District (Pomona only)  
San Gabriel Valley Water Company (Pomona only)  
City of Pomona (Pomona only)  
United Water Conservation District (Saugus and Valencia only)  
Central and West Basin Water Replenishment District (San Jose Creek only)  
City of Whittier (San Jose Creek only)

State of California  
Resources Agency  
CALIFORNIA REGIONAL WATER QUALITY BOARD, LOS ANGELES REGION

ORDER NO. 81-34

WATER RECLAMATION REQUIREMENTS  
FOR  
COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY  
(Pomona Water Reclamation Plant)  
(File No. 54-70)

The California Regional Water Quality Control, Los Angeles Region, finds;

1. County Sanitation Districts of Los Angeles County may reclaim water at its Pomona Water Reclamation Plant under requirements contained in Order No. 76-66, adopted by this Board on April 26, 1976.
2. County Sanitation Districts of Los Angeles County operates the Pomona Water Reclamation Plant, located at 295 South Roselawn Avenue, Pomona, California. The plant has a design capacity of 10 million gallons per day (mgd). The average 1979 plant flow and volume of reused water were 7.3 mgd and 2.0 mgd, respectively. All or a portion of the treated wastewater may be reused.
3. Treatment consists of primary sedimentation, activated sludge biological treatment, secondary sedimentation, filtration, chlorination and dechlorination. The sludge is piped to the County Sanitation Districts' Joint Water Pollution Control Plant in Carson for processing and disposal.
4. Currently, the reclaimed water is used for agriculture and landscape irrigation, fire protection, and paper manufacturing. The areas of reuse are within the San Gabriel Valley and Spadra Hydrologic Subunits.
5. The treated wastewater may also be discharged to San Jose Creek under separate waste discharge requirements and National Pollutant Discharge Elimination System permit (NPDES Permit No. CA0053619) adopted by this Board.
6. The Board adopted a revised Water Quality Control Plan for Los Angeles River Basin on November 27, 1978. The Plan contains water quality objectives for the San Gabriel Valley and Spadra Hydrologic Subunits. The requirements contained in this Order, as they are met, will be in conformance with the goals of the Water Quality Control Plan.

Revised 6/19/81  
February 4, 1981

7. The beneficial uses of the receiving groundwaters in San Gabriel Valley and Spadra Hydrologic Submit are: municipal, agricultural, industrial service and process supply.
8. Section 13523 of the California Water Code provides that a Regional Board, after consulting with and receiving the recommendations of the State Department of Health Services, and if it determines such action to be necessary to protect the public health, safety, or welfare, shall prescribe water reclamation requirements for uses of water which is used or proposed to be used as reclaimed wastewater. Section 13523 further provides that such requirements shall conform to the statewide reclamation criteria.
9. The use of reclaimed wastewater could affect the public health, safety, or welfare; requirements for such uses are therefore necessary in accordance with Section 13523 of the Water Code.
10. County Sanitation Districts of Los Angeles County prepared an Environmental Impact Statement/Environmental Impact Report (EIS/EIR) for the Pomona Water Reclamation Plant. The EIS/EIR discussed the impacts of the Pomona Water Reclamation Plant Filters and the reclaimed water on the environment. No significant adverse environmental impacts were identified in the EIS/EIR.

The Board has notified County Sanitation Districts of Los Angeles County and interested agencies and persons of its intent to prescribe water reclamation requirements, and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public meeting heard and considered all comments pertaining to the reclamation and to the tentative requirements.

IT IS HEREBY ORDERED, that County Sanitation Districts of Los Angeles County shall comply with the following:

A. Reclaimed Water Limitations:

1. Reclaimed water shall be limited to treated municipal wastewater only, as proposed.
2. Reclaimed water shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Units</u>	<u>Limitations</u>	
		<u>30-day Average</u>	<u>Maximum</u>
Total Dissolved Solids	mg/l	-----	750
Chloride	mg/l	-----	150
Sulfate	mg/l	-----	300
Boron	mg/l	-----	1.0

3. The ph of reclaimed water shall at all times be within the range 6.0 to 9.0.
4. Reclaimed water shall not contain heavy metals, arsenic or cyanide in concentrations exceeding the limits contained in the current California Drinking Water Standards.
5. Radioactivity shall not exceed the limits specified in Title 22, Chapter 15, Article 5, Sections 64441 and 64443, California Administrative Code, or subsequent revisions.

#### B. Specifications for Use of Reclaimed Wastewater

1. Reclaimed water used for surface or spray irrigation of fodder, fiber, and seed crops shall have a level of quality no less than that of primary effluent.

Primary effluent is the effluent from a wastewater treatment process which provides removal of sewage solids so that it contains not more than 0.5 milliliter per liter per hour of settleable solids as determined by an approved laboratory method.

2. Reclaimed water used for the spray irrigation of food crops shall be at all times an adequately disinfected, oxidized, coagulated, clarified, filtered wastewater. The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 2.2 per 100 milliliters and the number of coliform organisms does not exceed 23 per 100 milliliters in more than one sample within any 30-day period. The median value shall be determined from the bacteriological results of the last 7 days for which analyses have been completed.

An oxidized wastewater means wastewater in which the organic matter has been stabilized, is nonputrescible, and contains dissolved oxygen. For the purpose of these requirements, an oxidized wastewater shall be equivalent to secondary effluent with 30-day average BOD<sub>5</sub>20°C and suspended solids not exceeding 30 mg/l.

A filtered wastewater means an oxidized, coagulated, clarified wastewater which has been passed through natural undisturbed soils or filter media, such as sand or diatomaceous earth, so that the turbidity as determined by an approved laboratory method does not exceed an average operating turbidity of 2 turbidity units and does not exceed 5 turbidity units more than 5 percent of the time during any 24-hour period.

3. Reclaimed water used for surface irrigation of food crops shall be at all times an adequately disinfected, oxidized wastewater. The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed. Orchard and vineyards may be surface irrigated with reclaimed water that has the quality at least equivalent to that of primary effluent provided that no fruit is harvested that has come in contact with the irrigating water or the ground.
4. Exceptions to the quality requirements for reclaimed water used for irrigation of food crops may be considered on an individual case basis where the reclaimed water is to be used to irrigate a food crop which must undergo extensive commercial, physical or chemical processing sufficient to destroy pathogenic agents before it is suitable for human consumption.

5. Reclaimed water used for the irrigation of pasture to which milking cows or goats have access shall be at all times an adequately disinfected, oxidized wastewater. The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed.
6. Reclaimed water used for the irrigation of golf courses, cemeteries, freeway landscapes, and landscapes in other areas where the public has similar access or exposure shall be at all times an adequately disinfected, oxidized wastewater. The wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of coliform organisms does not exceed 240 per 100 milliliters in any two consecutive samples.
7. Reclaimed water used for the irrigation of parks, playgrounds, schoolyards, and other areas where the public has similar access or exposure shall be at all times an adequately disinfected, oxidized, coagulated, clarified, filtered wastewater or a wastewater treated by a sequence of unit processes that will assure an equivalent degree of treatment and reliability. The wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 2.2 per 100 milliliters as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of coliform organisms does not exceed 23 per 100 milliliters in any sample.
8. Reclaimed water used for irrigation shall not be allowed to run off into recreational lakes unless it meets the criteria for such lakes.
9. Reclaimed water used as a source of supply in a nonrestricted recreational impoundment (a body of reclaimed water in which no limitations are imposed on body-contact water sport activities) shall be at all times an adequately disinfected, oxidized, coagulated, clarified, filtered wastewater. The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 2.2 per 100 milliliters and the number of coliform organisms does not exceed 23 per 100 milliliters in more than one sample within any 30-day period. The median value shall be determined from the bacteriological results of the last 7 days for which analyses have been completed.
10. Reclaimed water used as a source of supply in a restricted recreational impoundment (a body of reclaimed water in which recreation is limited to fishing, boating, and other non-body-contact water recreation activities) shall be at all times an adequately disinfected, oxidized wastewater. The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed.
11. Reclaimed water used as a source of supply in a landscape impoundment (a body of reclaimed water which is used for aesthetic enjoyment or which otherwise serves a function not intended to include public contact) shall be at all times an adequately disinfected, oxidized wastewater. The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed.

12. Reclaimed wastewater directly used as industrial process water for paper pulp processing, metal finishing, industrial cooling, and soil compaction and dust control shall conform to the criteria for landscape impoundment as set forth in B-11.
13. Reclaimed water shall be retained on the areas of use and shall not be allowed to escape as surface flow except as provided for in a National Pollutant Discharge Elimination System permit. For the purpose of this requirement, however, minor amount of irrigation return water of secondary quality or better from peripheral areas shall not be considered a violation of this order provided the discharge meets the requirements contained in a National Pollutant Discharge Elimination System Permit for the discharge of effluent from this reclamation facility to surface waters.
14. Reclaimed water shall not be directly used for uses other than those enumerated above until requirements for these uses have been established by this Board in accordance with Section 13523 of the California Water Code, unless the Board waives such requirements or finds that the requirements contained herein are applicable to these uses.

#### C. General Requirements

1. The discharge of raw or inadequately treated sewage at any time is prohibited.
2. Reclaimed water shall not be used for irrigation during periods of rainfall and/or runoff. For the purpose of this requirements use of irrigation water which meets the requirements contained in a National Pollutant Discharge Elimination System Permit for the discharge of effluent from this reclamation facility to surface waters shall not be considered a violation of this Order.
3. Standby or emergency facilities and/or storage capacity or other means shall be provided so that in the event of plant upset or outage due to power failure or other cause, discharge of raw or other inadequately treated sewage does not occur or delivery of sub-standard reclaimed water is not made.
4. Reclaimed water shall not be sprayed in geologically unstable areas or so as to cause earth movement.
5. Adequate facilities shall be provided to protect the sewage treatment and reclamation facilities from damage by storm flows and runoff.
6. Adequate freeboard shall be maintained in reclaimed water storage pond(s) to ensure that direct rainfall will not cause overtopping.
7. Any offsite disposal of sewage or sludge shall be only at a legal point of disposal. For purposes of these requirements, a legal point of disposal is one for which requirements have been established by a California Regional Water Quality Control Board and which is in full compliance therewith. Any sewage or sludge handling shall be in a manner as to prevent its reaching surface waters or watercourses.



8. Neither treatment nor any use of reclaimed water shall cause pollution or nuisance.
9. The reclamation of wastes shall not result in problems due to breeding of mosquitos, gnats, midges, or other pests.
10. Reclaimed water shall not impart tastes, odors, color, foaming, or other objectionable characteristics to receiving groundwaters.
11. Reclaimed water which should affect receiving groundwaters shall not contain any substance in concentrations toxic to human, animal, or plant life.
12. Odors of waste origin shall not cause a nuisance.

#### D. Provisions

1. A copy of these specifications shall be maintained at the reclamation facility so as to be available at all times to operating personnel.
2. In the event of any change in control or ownership of land or waste treatment and reclamation facilities presently owned or controlled by the reclaimer, he shall notify this Board of such change and 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.
3. The reclaimer shall file with the Board technical reports on self-monitoring performed according to the detailed specifications contained in any Monitoring and Reporting Programs as directed by the Executive Officer.
4. The reclaimer shall submit to the Board within three months from the date of adoption of this Order a report demonstrating compliance with requirements specified in Chapter 3, Division 4, Title 22, California Administrative Code.
5. The reclaimer shall notify this Board by telephone within 24 hours of any violation of reclaimed wastewater use conditions or any adverse conditions as a result of the use of reclaimed water from this facility; written confirmation shall follow within one (1) week.
6. The reclaimer shall notify Board staff by telephone immediately of any confirmed coliform counts that could cause a violation of the 7-day median limit, or that exceed the applicable maximum effluent limit, including the date(s) thereof. This information shall be confirmed in the next monitoring report; in addition, for any actual coliform limit violations that occurred, the report shall also include the reasons for the high coliform results, the steps taken to correct the problem (including dates thereof), and the steps being taken to prevent a recurrence.

7. Supervisors and operators of this publicly owned water reclamation plant shall possess a certificate of appropriate grade as specified in California Administrative Code, Title 23, Chapter 3, Division 14, Sections 2455 and 2460.
8. For any extension of the reclaimed water system the reclaimer shall submit a report detailing the extension for the approval of the Executive Officer. Following construction, as-built drawings shall be submitted to the Executive Officer for approval prior to use of reclaimed water.
9. The reclaimer shall be responsible to insure that all users of reclaimed wastewater from this facility comply with the specifications and requirements for such use.
10. Order No. 76-66, adopted by this Board on April 26, 1976, is hereby rescinded.

I, Raymond M. Hertel, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on July 27, 1981.

  
RAYMOND M. HERTEL, Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION  
MONITORING AND REPORTING PROGRAM NO. 6241  
FOR  
COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY  
(Pomona Water Reclamation Plant)  
(File No. 54-70)

County Sanitation Districts of Los Angeles County shall implement this monitoring program beginning August 1, 1981. Monitoring reports shall be submitted to the Board monthly by the 15th day of the second following month. The first monitoring report under this program is due by October 15, 1981.

Values obtained for the NPDES monitoring report during periods of discharge to surface waters may be reported here in lieu of duplicate testing, if representative. However, non-NPDES self-monitoring reports shall be submitted separately from the NPDES monitoring reports. Quarterly monitoring shall be performed during the months of February, May, August, and November. If no water was delivered for reuse on any day, the report shall so state.

Each monitoring report must affirm in writing that:

All analyses were conducted at a laboratory certified for such analyses by the State Department of Health Services and in accordance with current EPA guideline procedures, or as specified in the Monitoring Program.

For any analysis performed for which no procedure is specified in the EPA guidelines or in this Monitoring Program, the constituent or parameter analyzed and the method or procedure used must be specified in the report.

I. Reclaimed Water Monitoring

A sampling station shall be established where representative samples of reclaimed water can be obtained. Reclaimed water samples may be obtained at a single station provided that station is representative of the quality at all discharge points. Each sampling station shall be identified. The following shall constitute the reclaimed water monitoring program:

Name	Units	Type of Sample	Minimum Frequency of Analysis
Flow <sup>1/</sup>	mgd	continuous	-----
Total chlorine residual <sup>2/</sup>	mg/l	continuous	-----
Turbidity <sup>3/</sup>	NTU	continuous	-----
BOD <sub>5</sub> 20°C	mg/l	24-hour composite	weekly
Suspended solids	mg/l	24-hour composite	daily
pH	pH units	grab	daily
Settleable solids	ml/l	grab	daily
Coliform group <sup>4/</sup>	MPN/100ml	grab	daily
Total dissolved solids	mg/l	24-hour composite	monthly
Chloride	mg/l	24-hour composite	monthly
Sulfate	mg/l	24-hour composite	monthly
Boron	mg/l	24-hour composite	quarterly
Total nitrogen	mg/l	24-hour composite	monthly
Radioactivity	PCi/l	24-hour composite	quarterly

- 1/ The total volume reused each day shall be reported. In addition, the average daily quantity of reclaimed wastewater delivered to each user and his use(s) of the water shall also be reported.
- 2/ The maximum value recorded each day shall be reported.
- 3/ Required only for applications having a turbidity limit. The average value recorded each day and amount of time that 5NTU was exceeded each day shall be reported. Turbidity samples may be obtained anywhere in the treatment process subsequent to the filtration procedure.
- 4/ Samples shall be obtained at some point in the treatment process at a time when wastewater flow and characteristics are most demanding on the treatment facility and disinfection procedures. The location(s) of the sampling point(s) and any changes thereto must be approved by the Executive Officer, and proposed changes shall not be made until such approval has been granted. If reclaimed water is used for irrigation of golf courses, cemeteries, freeway landscapes, parks, playgrounds, schoolyards, or other areas where the public has similar access or exposure, samples shall be obtained subsequent to the chlorination procedure. Coliform values obtained must meet the

- 4/ the strictest requirements specified for all uses during periods of multiple use, unless separate coliform analyses are obtained at each particular point of use.

## II. Reclaimed Water Reporting

1. Within 30 days of adoption of this Order the County Sanitation Districts of Los Angeles County shall submit to this Board a technical report concerning the location and complete description of each existing and/or proposed coliform sampling station, together with data to support the conclusion that said station is representative of entire flow at that point in the treatment process.
2. County Sanitation Districts of Los Angeles County shall submit to the Board within three months from the date of adoption of this Order a report describing contingency plans to be implemented in the event the treated effluent does not meet reclaimed water requirements at any time.
3. Within 30 days after adoption of this Order, County Sanitation Districts of Los Angeles County shall submit to this Board a report which:
  - a. certifies that supervising and operating personnel at Pomona Water Reclamation Plant possess certificates of appropriate grade, as required; or
  - b. contains details and a reasonable time schedule for obtaining such certificates.
4. Each monitoring report shall include:
  - a. A statement that all reclaimed water was used only as specified, and for uses specified, in requirements during the month.
  - b. Approximate acreage receiving reclaimed water.
  - c. The results of the reclaimed water monitoring.
  - d. Records of operational problem, plant and equipment breakdowns, and diversions to emergency storage or disposal associated with violations, or potential violations, of water reclamation or monitoring requirements.
  - e. All corrective or preventive action taken.
  - f. Name and location of each user of reclaimed water and to what use(s) the reclaimed water is put; if there are no changes from the previous monitoring report, a statement to that effect shall suffice.

Monitoring and Reporting Program

File 54-70

5. The attached General Monitoring and Reporting Provisions shall be applicable to this Program.
6. If all or a portion of the water was not reclaimed during any month because of failure to meet requirements, the report shall so state and certify that the contingency plans, in accordance with Item II-2 of this Monitoring Program, were implemented.
7. If no water was delivered for reuse during the month, the report shall so state.

Ordered by Raymond M. Hertel  
EXECUTIVE OFFICER

JUL 27 1981

Date \_\_\_\_\_

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION  
GENERAL MONITORING AND REPORTING PROVISIONS

1. All sampling, sample preservation, and analyses 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. All chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services.
3. Effluent samples shall be taken downstream of any addition to the treatment works and prior to mixing with the receiving waters.
4. The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to ensure accuracy of measurements, or shall ensure that both activities will be conducted.
5. A grab sample is defined as an individual sample collected in fewer than 15 minutes.
6. A composite sample is defined as a combination of no fewer than eight individual samples obtained 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 equal the discharge period, or 24 hours, whichever period is shorter.
7. For every item 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 submit a timetable for correction.
8. By March 1 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.
9. The discharger shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; date analyses were performed; 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.

10. In reporting the monitoring data, the discharger shall arrange the data in tabular form so that the data, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with waste discharge requirements and, where applicable, shall include results of receiving water observations.
11. Monitoring reports shall be signed by:
  - a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates;
  - b. In the case of a partnership, by a general partner;
  - c. In the case of a sole proprietorship, by the proprietor;
  - d. In the case of a municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.
12. Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

Executed on the \_\_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_.

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Title)"

13. The discharger shall mail a copy of each monitoring report to the following:

California Regional Water Quality  
Control Board - Los Angeles Region  
107 South Broadway, Room 4027  
Los Angeles, CA 90012

ATTN: Executive Officer

14. If no flow occurred (or no waste was deposited) during the reporting period, the report shall so state.
15. These records and reports are public documents and shall be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region. Records or reports which might disclose trade secrets, etc., may be excluded from this provision as provided in Section 13267 (b) of the Porter-Cologne Water Quality Control Act, if requested.



# **San Jose Creek Water Reclamation Plant Water Reclamation Requirements**

84-01.01 - 07/87

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—  
S ANGELES REGION

SOUTH BROADWAY, SUITE 4027  
LOS ANGELES, CALIFORNIA 90012-4596  
(213) 620-4460



1987 JUL 21 AM 10:51

July 9, 1987

Mr. Robert W. Horvath  
Head, Monitoring and Research  
County Sanitation Districts of  
Los Angeles County  
P.O. Box 4998  
Whittier, CA 90607

WATER RECLAMATION REQUIREMENTS - SAN JOSE CREEK WATER RECLAMATION  
PLANT (FILE NO. 77-50; CI 6372)

Reference is made to our letter dated May 4, 1987, which transmitted  
the requirements for your reuse of treated effluent.

By mistake, the copy transmitted did not include the revisions made  
on April 10, 1987. Enclosed is the corrected copy of the  
requirements as adopted by the Board on April 27, 1987.

We regret any inconvenience this may have caused.

If you have any questions, please call Mr. Gregg Kwey at (213) 620-  
2784.

J. E. ROSS  
Senior Water Resource  
Control Engineer

cc: See attached mailing list

Enclosures

*Mudik  
Horvath  
7/21/87*

*C. W. CARRY*  
7-24-87  
C. W. CARRY

Mr. Robert W. Horvath  
Mailing List

State Water Resources Control Board, Division of Water  
Quality, Attn: Archie Matthews  
Department of Water Resources  
Department of Health Services, Sanitary Engineering Section  
Los Angeles County, Department of Health Services  
Los Angeles County, Department of Public Works, Hydraulic/Water  
Conservation Division  
Los Angeles County, Department of Public Works, Engineering  
Services Division

State of California  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

ORDER NO. 87-50

WATER RECLAMATION REQUIREMENTS  
FOR

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY  
(San Jose Creek Water Reclamation Plant)  
(File No. 77-50)

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. County Sanitation Districts of Los Angeles County (hereinafter referred to as "Reclaimer") operates San Jose Creek Water Reclamation Plant, located at 1965 Workman Road, Whittier, California, with a design flow of 62.5 million gallons per day (mgd), and reclaims all or a portion of its treated municipal wastewater under Waste Discharge Requirements contained in Order No. 81-33 adopted by this Board on July 27, 1981.
2. Current use of reclaimed water includes landscape irrigation of a golf course in Industry Hills and ornamental plant irrigation at Arbor and Norman Nurseries.
3. The wastewater treatment consists of primary sedimentation, activated sludge, secondary sedimentation, dual media filtration and chlorination. Sludge is diverted to Joint Water Pollution Control Plant for disposal.
4. A review of the current requirements has been conducted by Board staff in accordance with California Administration Code, Title 23, Chapter 3, Subchapter 9, Article 2, Section 2232.2.
5. The treated wastewater may also be discharged to San Gabriel River under separate waste discharge requirements and National Pollution Discharge Elimination System permit (NPDES Permit No. CA0053911) adopted by this Board. Also a portion of this effluent is discharged for ground water recharge in the Montebello Forebay under separate Water Reclamation Requirement (Order No. 87-40) adopted March 23, 1987.
6. The areas of reclaimed water uses are located within the San Gabriel Valley Hydrologic Subarea.
7. The Board adopted a Revised Water Quality Control Plan for Los Angeles River Basin on November 27, 1978. The Plan

contains water quality objectives for ground water in San Gabriel Valley Hydrologic Subarea. The requirements contained in this Order, as they are met, will be in conformance with the goals of the Water Quality Control Plan.

8. Ground water in the San Gabriel Valley Hydrologic Subarea is beneficially used for municipal and domestic supply, industrial service and process supply, agricultural supply, and fresh water replenishment.
9. The Water Quality Control Plan recognized the reuse, and potential for increased reuse, of treated effluent from the San Jose Creek Water Reclamation Plant.
10. Section 13523 of the California Water Code provides that a regional board, after consulting with and receiving the recommendations of the State Department of Health Services and after any necessary hearing, shall, if it determines such action to be necessary to protect the public health, safety, or welfare, prescribe water reclamation requirements for water which is used or proposed to be used as reclaimed water. Section 13523 further provides that such requirements shall include, or be in conformance with, the statewide reclamation criteria.
11. The use of reclaimed water for impoundments or for irrigation could affect the public health, safety, or welfare; requirements for such use are therefore necessary in accordance with Section 13523 of the Water Code.
12. This project involves an existing facility and as such is exempt from the provisions of the California Environmental Quality Act in accordance with California Administrative Code, Title 14, Chapter 3, Section 15301.

The Board has notified the Reclaimer and interested agencies and persons of its intent to prescribe water reclamation requirements for this direct beneficial use and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public meeting heard and considered all comments pertaining to the direct beneficial use and to the tentative water reclamation requirements.

IT IS HEREBY ORDERED, that County Sanitation Districts of Los Angeles County, shall comply with the following:

- A. Reclaimed Water Limitations

1. Reclaimed water shall be limited to treated municipal wastewater only, as proposed.
2. Reclaimed water, used as described in this Order, shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>Maximum Limitations</u>
Total dissolved solids	mg/l	800
Chloride	mg/l	250
Sulfate	mg/l	250
Boron	mg/l	1.5

3. The pH of reclaimed water shall at all times be within the range 6.0 to 9.0.
4. Reclaimed water shall not contain trace constituents or other substances in concentrations exceeding the limits contained in the current edition of the California Department of Health Services Drinking Water Standards.
5. Radioactivity shall not exceed the limits specified in Title 22, Chapter 15, Article 5, Sections 64441 and 64443, California Administrative Code, or subsequent revisions.
6. Reclaimed water shall not cause the nitrogen content in the receiving ground water to exceed the objectives in the Water Quality Control Plan.
7. Reclaimed water, used for agricultural supply, shall not contain concentrations of chemical constituents in amounts that adversely affect such beneficial use.

B. Specifications for Use of Reclaimed Water

1. Reclaimed water used for the irrigation of golf courses, cemeteries, freeway landscapes, and landscapes in other areas where the public has similar access or exposure shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the

last 7 days for which analyses have been completed, and the number of coliform organisms does not exceed 240 per 100 milliliters in any two consecutive samples.

Oxidized wastewater means wastewater in which the organic matter has been stabilized, is nonputrescible, and contains dissolved oxygen.

Disinfected wastewater means wastewater in which the pathogenic organisms have been destroyed by chemical, physical or biological means.

2. Reclaimed water used for the irrigation of parks, playgrounds, schoolyard, and other areas where the public has similar access or exposure shall be at all times an adequately disinfected, oxidized, coagulated, clarified, filtered wastewater or a wastewater treated by a sequence of unit processes that will assure an equivalent degree of treatment and reliability.

The wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of coliform organisms does not exceed 23 per 100 milliliters in any sample.

A coagulated wastewater means an oxidized wastewater in which colloidal and finely divided suspended matter have been destabilized and agglomerated by the addition of suitable floc-forming chemicals or by an equally effective method.

A filtered wastewater means an oxidized, coagulated, clarified wastewater which has been passed through natural undisturbed soils or filter media, such as sand or diatomaceous earth, so that the turbidity as determined by an approved laboratory method does not exceed an average operating turbidity of 2 turbidity units and does not exceed 5 turbidity units more than 5 percent of the time during any 24-hour period.

3. Reclaimed water used as a source of supply in a nonrestricted recreational impoundment shall be at all times an adequately disinfected, oxidized, coagulated, clarified, filtered wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 2.2 per 100 milliliters and the number of coliform organisms does not exceed 23 per 100 milliliters in more than one sample within any 30-day period. The median value shall be determined from the bacteriological results of the last 7 days for which analyses have been completed.

4. Reclaimed water used as a source of supply in a restricted recreational impoundment shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed.

5. Reclaimed water used as a source of supply in a landscape impoundment shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed.

6. Reclaimed water shall not be directly used for uses other than those enumerated above until requirements for these uses have been established by this Board in accordance with Section 13523 of the California Water Code, unless the Board waives such requirements or finds that the above cited standards are applicable to these uses.
7. Reclaimed water uses shall meet the requirements specified in the "Guidelines for Use of Reclaimed Water" issued by the State Department of Health Services.
8. Reclaimed water used for irrigation shall be retained on the areas of use and shall not be allowed to escape as surface flow except as provided for in a National Pollutant Discharge Elimination System Permit.



For the purpose of this requirement, however, minor amounts of irrigation return water from peripheral areas shall not be considered a violation of this Order provided the discharge meets the requirements contained in a National Pollutant Discharge Elimination System Permit issued to the County Sanitation Districts of Los Angeles County (San Jose Creek Water Reclamation Plant).

9. Reclaimed water shall be applied at such a rate and volume as not to exceed vegetative demand and soil moisture conditions. Special precautions must be taken to prevent clogging of spray nozzles, to prevent overwatering and to exclude the production of runoff. Pipelines shall be maintained so as to prevent leaks.
10. Reclaimed water used for irrigation shall not be allowed to run off into recreational lakes unless it meets the criteria for such lakes.

C. General Requirements

1. The discharge or use of raw or inadequately treated sewage at any time is prohibited.
2. Reclaimed water shall not be used for irrigation during periods of extended rainfall and/or runoff.
3. Standby or emergency power facilities and/or sufficient capacity shall be provided for reclaimed water storage during rainfall or in the event of plant upsets or outages, and at times when spray irrigation cannot be practiced.
4. Reclaimed water use or disposal shall not result in earth movement in geologically unstable areas.
5. Adequate facilities shall be provided to protect the sewage treatment and reclamation facilities from damage by storm flows and runoff.
6. Adequate freeboard shall be maintained in reclaimed water storage pond to ensure that direct rainfall will not cause overtopping.
7. Neither treatment of waste nor any reclaimed water use or disposal shall cause pollution or nuisance.

8. Water reclamation and reuse or disposal shall not result in problems due to breeding of mosquitoes, gnats, midges, or other pests.
9. Reclaimed water use or disposal shall not impart tastes, odors, color, foaming, or other objectionable characteristics to receiving ground waters.
10. Reclaimed water use or disposal which could affect receiving ground waters shall not contain any substance in concentrations toxic to human, animal, or plant life.
11. Odors of sewage origin shall not cause a nuisance.

D. Provisions

1. A copy of these requirements shall be maintained at the reclamation facility so as to be available at all times to operating personnel.
2. In the event of any change in name, ownership, or control of these waste treatment and reclamation facilities, the Reclaimer shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, copy of which shall be forwarded to the Board.
3. In accordance with Section 13522.5 of the Water Code and Section 60323 of the Wastewater Reclamation Criteria, the Reclaimer shall file an engineering report, prepared by a properly qualified engineer registered in California, of any material change or proposed change in character, location or volume of the reclaimed water or its uses to the Board and State Department of Health Services.
4. The Reclaimer shall file with the Board technical reports on self monitoring work performed according to the detailed specifications contained in the Monitoring and Reporting Programs, as directed by the Executive Officer.
5. The Reclaimer shall notify this Board by telephone within 24 hours of any violations of reclaimed water use conditions or any adverse conditions as a result of the use of reclaimed water from this facility; written confirmation shall follow within one week.

6. The Reclaimer shall notify Board staff by telephone immediately of any confirmed coliform counts that could cause a violation of the 7-day median limit, including the date(s) thereof. This information shall be confirmed in the next monitoring report; in addition, for any actual coliform limit violations that occurred, the report shall also include the reasons for the high coliform results, the steps being taken to correct the problem (including dates thereof), and the steps being taken to prevent a recurrence.
7. These requirements do not exempt the Reclaimer from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this reclamation facility, and they leave unaffected any further restraint on the use of reclaimed water at this site which may be contained on other statutes or required by other agencies.
8. The Reclaimer shall be responsible to insure that all users of reclaimed water comply with the specifications and requirements for such use.
9. This Order does not alleviate the responsibility of the Reclaimer to obtain other necessary local, state, and federal permits to construct facilities necessary for compliance with this Order; nor does this Order prevent imposition of additional standards, requirements, or conditions by any other regulatory agency. Expansion of this facility from its current capacity shall be contingent upon issuance of all necessary permits, including a conditional use permit.
10. Supervisors and operators of this publicly owned wastewater treatment plant shall possess a certificate of appropriate grade as specified in California Administrative Code, Title 23, Chapter 3, Subchapter 14, Section 2455 and 2460.
11. The Reclaimer shall provide to each user of reclaimed water from San Jose Creek Water Reclamation Plant a copy of these requirements, to be maintained at the user's facility as to be available at all times to operating personnel.
12. For any extension of the reclaimed water system, the Reclaimer shall submit a report detailing the extension for the approval of the Executive Officer. Following construction, as built drawings shall be submitted to

the Executive Officer for approval prior to use of reclaimed water.

13. The Reclaimer shall submit to the Board within 60 days of the adoption of this Order, a fail-safe procedure for approval by the Executive Officer.
14. Order No. 81-33 adopted by this Board on July 27, 1981, is hereby rescinded.

I, Robert P. Ghirelli, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on April 27, 1987.

  
\_\_\_\_\_  
ROBERT P. GHIRELLI, D.Env.  
Executive Officer

GK/

State of California  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 6372  
FOR

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY  
(San Jose Creek Water Reclamation Plant)  
(File No. 77-50)

The Reclaimer shall implement this monitoring program on the effective date of this Order.

Monitoring reports shall be submitted by the dates in the following schedule:

<u>Reporting period</u>	<u>Report Due</u>
January - March	May 15
April - June	August 15
July - September	November 15
October - December	February 15

The first monitoring report under this program shall be submitted by August 15, 1987.

By March 1 of each year, the Reclaimer 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 Reclaimer 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 Requirements.

Values obtained for the NPDES monitoring report during periods of discharge to surface waters may be reported here in lieu of duplicate testing, if representative. However, non-NPDES self-monitoring reports shall be submitted separately from the NPDES monitoring reports.

Reclaimed Water Monitoring

A sampling station shall be established where representative samples of reclaimed water can be obtained. Reclaimed water samples may be obtained at a single station provided that station is representative of the quality at all discharge points. Each sampling station shall be identified. The following shall constitute the reclaimed water monitoring program for reclaimed water used as described in the Water Reclamation Requirements:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Turbidity <sup>1</sup>	NTU	continuous	-----
Total flow <sup>2</sup>	gallon	continuous	-----
Coliform group <sup>3</sup>	MPN/100ml	grab	daily
pH	pH units	grab	daily
Total dissolved solids	mg/l	24-hr composite	monthly
Chloride	mg/l	24-hr composite	monthly
Boron	mg/l	24-hr composite	monthly
Sulfate	mg/l	24-hr composite	monthly
Arsenic /	mg/l	24-hr composite	quarterly
Barium /	mg/l	24-hr composite	quarterly
Cadmium /	mg/l	24-hr composite	quarterly
Chromium /	mg/l	24-hr composite	quarterly
Lead /	mg/l	24-hr composite	quarterly
Mercury /	mg/l	24-hr composite	quarterly
Selenium /	mg/l	24-hr composite	quarterly
Silver /	mg/l	24-hr composite	quarterly
Cyanide /	mg/l	24-hr composite	quarterly
Nitrate /	mg/l	24-hr composite	quarterly

<sup>1</sup>Required only for applications having a turbidity limit. The average value recorded each day and amount of time that 5 NTU was exceeded each day shall be reported. Turbidity samples may be obtained anywhere in the treatment process subsequent to the filtration procedure.

<sup>2</sup>Shall report the daily volume of reclaimed water used at each site of use.

<sup>3</sup>Samples shall be obtained at some point in the treatment process at a time when wastewater flow and characteristics are most demanding on the treatment facility and disinfection procedures. The location(s) of the sampling point(s) and any changes thereto must be approved by the Executive Officer, and proposed changes shall not be made until such approval has been granted. If reclaimed water is used for irrigation of golf courses, cemeteries, freeway landscapes, parks, playgrounds, schoolyards, or other areas where the public has similar access or exposure, samples shall be obtained subsequent to the chlorination procedure. Coliform values obtained must meet the strictest requirement specified for all uses during periods of multiple use, unless separate coliform analyses are obtained at each particular point of use.

Fluoride	mg/l	24-hr composite	quarterly
Radioactivity	pCi/l	24-hr composite	quarterly
Total identifiable chlorinated hydrocarbon			
Priority Pollutants	ug/l	grab	quarterly
	ug/l	grab	semi-annually

General Provisions for Sampling and Analysis

All sampling, sample preservation, and analyses 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.

All chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Water Resources Control Board or approved by the Executive Officer.

General Provisions for Reporting

For every item where the requirements are not met, the Reclaimer 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 submit a timetable for correction.

The Reclaimer shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; dates analyses were performed; 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.

In reporting the monitoring data, the Reclaimer shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with Water Reclamation Requirements and, where applicable, shall include results of receiving water observations.

The Reclaimer shall file a report with this Board describing the purposes for which reclaimed water from this facility is used, estimating quantities used for each type of use, depicting on a map or drawing the area(s) of use, and stating the name and address of each user of reclaimed water if other than the Reclaimer. This report shall be updated at least annually, and shall be included with the annual report due March 1 each year.

Each quarterly report shall include a statement that all reclaimed water was used only as specified in the requirements during the quarter.

If no water was delivered for reuse during the quarter, the report shall so state.

Monitoring reports shall be signed by:

- a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which 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 municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

Executed on the \_\_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_.

\_\_\_\_\_ (Signature)

\_\_\_\_\_ (Title)"

Ordered by Robert P. Ghirelli  
Executive Officer

April 27, 1987  
Date

GK/



# **Saugus Water Reclamation Plant Water Reclamation Requirements**

*Horvath*

26-02.01-07

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—  
LOS ANGELES REGION

SOUTH BROADWAY, SUITE 4027  
ANGELES, CALIFORNIA 90012-4596  
(213) 620-4460

1987 MAY 12 AM 9:15



May 5, 1987

Mr. Robert W. Horvath  
Head, Monitoring and Research  
County Sanitation Districts of  
Los Angeles County  
P.O. Box 4998  
Whittier, CA 90607

WATER RECLAMATION REQUIREMENTS - SAUGUS WATER RECLAMATION PLANT  
(FILE NO. 61-30; CI 6188)

Reference is made to our letter dated April 15, 1987 which transmitted a draft of tentative requirements for your disposal of secondary treated effluent.

Pursuant to Division 7 of the California Water Code, this California Regional Water Quality Control Board, at a public meeting held on April 27, 1987 reviewed these tentative requirements, considered all factors in the case, and adopted Order No. 87-49 (copy attached) relative to this waste discharge.

You are required to implement the new monitoring program as stated in the Monitoring and Reporting Program on the effective date of this Order. Please note that any monitoring report due under your previous Monitoring and Reporting Program is still required and must be submitted by the due date. Please reference all technical and monitoring reports to our Compliance File No. 6188. We would appreciate it if you would not combine other reports, such as progress or technical reports, with your monitoring reports but would submit each type of report as a separate document.

If you have any questions, please call Mr. Gregg Kwey at (213) 620-2784.

*J. E. Ross*

J. E. ROSS  
Senior Water Resource  
Control Engineer

cc: See attached mailing list

Enclosures

*Copy to  
2/1/87  
5/12/87  
acknowledged  
7-30-87*

C. W. CARRY  
*Stall*  
5-12-87

Mr. Robert W. Horvath  
Mailing List

State Water Resources Control Board, Division of Water  
Quality, Attn: Archie Matthews  
Department of Water Resources  
Department of Health Services, Sanitary Engineering Section  
Los Angeles County, Department of Health Services  
Los Angeles County, Department of Public Works, Hydraulic/Water  
Conservation Division  
Los Angeles County, Department of Public Works, Engineering  
Services Division  
Valencial Water Company  
Bouquet Canyon Water Company  
United Water Conservation District

State of California  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

ORDER NO. 87-49

WATER RECLAMATION REQUIREMENTS  
FOR

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY  
(Saugus Water Reclamation Plant)  
(File No. 61-30)

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. County Sanitation Districts of Los Angeles County (hereinafter referred to as "Reclaimer") operates Saugus Water Reclamation Plant, located at 26200 Springbrook Road, Saugus, California, with a design flow of 5.0 million gallons per day (mgd), and reclaims all or a portion of its treated municipal wastewater under Waste Discharge Requirements contained in Order No. 81-35 adopted by this Board on July 27, 1981. Currently no reclaimed water is being reused.
2. In 1986 the Reclaimer completed a clean water grant project which upgraded the Saugus Water Reclamation Plant by adding filtration to the treatment process.
3. Influent flow in excess of 5 mgd is diverted to the Valencia Water Reclamation Plant for treatment and disposal.
4. The wastewater treatment consists of primary sedimentation, activated sludge, secondary sedimentation, filtration and chlorination. The sludge is digested anaerobically and hauled away to a legal point of disposal.
5. A review of the current requirements has been conducted by Board staff in accordance with California Administration Code, Title 23, Chapter 3, Subchapter 9, Article 2, Section 2232.2.
6. The treated wastewater may also be discharged to Santa Clara River under separate waste discharge requirements and National Pollution Discharge Elimination System permit (NPDES Permit No. CA0054313) adopted by this Board.
7. The areas of reclaimed water uses are located within the Eastern Hydrologic Subarea.

8. The Board adopted a Revised Water Quality Control Plan for Santa Clara River Basin on March 27, 1978. The Plan contains water quality objectives for ground water in Eastern Hydrologic Subarea. The requirements contained in this Order, as they are met, will be in conformance with the goals of the Water Quality Control Plan.
9. Ground water in the Eastern Hydrologic Subarea is beneficially used for municipal and domestic supply, industrial service and process supply, and agricultural supply.
10. Section 13523 of the California Water Code provides that a regional board, after consulting with and receiving the recommendations of the State Department of Health Services and after any necessary hearing, shall, if it determines such action to be necessary to protect the public health, safety, or welfare, prescribe water reclamation requirements for water which is used or proposed to be used as reclaimed water. Section 13523 further provides that such requirements shall include, or be in conformance with, the statewide reclamation criteria.
11. The use of reclaimed water for impoundments or for irrigation could affect the public health, safety, or welfare; requirements for such use are therefore necessary in accordance with Section 13523 of the Water Code.
12. This project involves an existing facility and as such is exempt from the provisions of the California Environmental Quality Act in accordance with California Administrative Code, Title 14, Chapter 3, Section 15301.

The Board has notified the Reclaimer and interested agencies and persons of its intent to prescribe water reclamation requirements for this direct beneficial use and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public meeting heard and considered all comments pertaining to the direct beneficial use and to the tentative water reclamation requirements.

IT IS HEREBY ORDERED, that County Sanitation Districts of Los Angeles County, shall comply with the following:

- A. Reclaimed Water Limitations

1. Reclaimed water shall be limited to treated municipal wastewater only, as proposed.
2. Reclaimed water shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>Maximum Limitation</u>
Total dissolved solids	mg/l	1000
Chloride	mg/l	300
Sulfate	mg/l	450

3. The pH of reclaimed water shall at all times be within the range 6.0 to 9.0.
4. Reclaimed water shall not contain trace constituents or other substances in concentrations exceeding the limits contained in the current edition of the California Department of Health Services Drinking Water Standards.
5. Radioactivity shall not exceed the limits specified in Title 22, Chapter 15, Article 5, Sections 64441 and 64443, California Administrative Code, or subsequent revisions.
6. Reclaimed water shall not cause the nitrogen content in the receiving ground water to exceed the objectives in the Water Quality Control Plan.
7. Reclaimed water used as agricultural supply shall not contain concentrations of chemical constituents in amounts that adversely affect such beneficial use.

B. Specifications for Use of Reclaimed Water

1. Reclaimed water used for the irrigation of golf courses, cemeteries, freeway landscapes, and landscapes in other areas where the public has similar access or exposure shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and

the number of coliform organisms does not exceed 240 per 100 milliliters in any two consecutive samples.

Oxidized wastewater means wastewater in which the organic matter has been stabilized, is nonputrescible, and contains dissolved oxygen.

Disinfected wastewater means wastewater in which the pathogenic organisms have been destroyed by chemical, physical or biological means.

2. Reclaimed water used for the irrigation of parks, playgrounds, schoolyard, and other areas where the public has similar access or exposure shall be at all times an adequately disinfected, oxidized, coagulated, clarified, filtered wastewater or a wastewater treated by a sequence of unit processes that will assure an equivalent degree of treatment and reliability.

The wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of coliform organisms does not exceed 23 per 100 milliliters in any sample.

A coagulated wastewater means an oxidized wastewater in which colloidal and finely divided suspended matter have been destabilized and agglomerated by the addition of suitable floc-forming chemicals or by an equally effective method.

A filtered wastewater means an oxidized, coagulated, clarified wastewater which has been passed through natural undisturbed soils or filter media, such as sand or diatomaceous earth, so that the turbidity as determined by an approved laboratory method does not exceed an average operating turbidity of 2 turbidity units and does not exceed 5 turbidity units more than 5 percent of the time during any 24-hour period.

3. Reclaimed water used as a source of supply in a nonrestricted recreational impoundment shall be at all times an adequately disinfected, oxidized, coagulated, clarified, filtered wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment

process the median number of coliform organisms does not exceed 2.2 per 100 milliliters and the number of coliform organisms does not exceed 23 per 100 milliliters in more than one sample within any 30-day period. The median value shall be determined from the bacteriological results of the last 7 days for which analyses have been completed.

4. Reclaimed water used as a source of supply in a restricted recreational impoundment shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed.

5. Reclaimed water used as a source of supply in a landscape impoundment shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed.

6. Reclaimed water shall not be directly used for uses other than those enumerated above until requirements for these uses have been established by this Board in accordance with Section 13523 of the California Water Code, unless the Board waives such requirements or finds that the above cited standards are applicable to these uses.

7. Reclaimed water uses shall meet the requirements specified in the "Guidelines for Use of Reclaimed Water" issued by the State Department of Health Services.

8. Reclaimed water used for irrigation shall be retained on the areas of use and shall not be allowed to escape as surface flow except as provided for in a National Pollutant Discharge Elimination System Permit.



For the purpose of this requirement, however, minor amounts of irrigation return water from peripheral areas shall not be considered a violation of this Order provided the discharge meets the requirements contained in a National Pollutant Discharge Elimination System Permit issued to the County Sanitation Districts of Los Angeles County (Saugus Water Reclamation Plant).

9. Reclaimed water shall be applied at such a rate and volume as not to exceed vegetative demand and soil moisture conditions. Special precautions must be taken to prevent clogging of spray nozzles, to prevent overwatering and to exclude the production of runoff. Pipelines shall be maintained so as to prevent leaks.
10. Reclaimed water used for irrigation shall not be allowed to run off into recreational lakes unless it meets the criteria for such lakes.

C. General Requirements

1. The discharge or use of raw or inadequately treated sewage at any time is prohibited.
2. Reclaimed water shall not be used for irrigation during periods of extended rainfall and/or runoff.
3. Standby or emergency power facilities and/or sufficient capacity shall be provided for reclaimed water storage during rainfall or in the event of plant upsets or outages, and at times when spray irrigation cannot be practiced.
4. Reclaimed water use or disposal shall not result in earth movement in geologically unstable areas.
5. Adequate facilities shall be provided to protect the sewage treatment and reclamation facilities from damage by storm flows and runoff.
6. Adequate freeboard shall be maintained in reclaimed water storage pond to ensure that direct rainfall will not cause overtopping.
7. Neither treatment of waste nor any reclaimed water use or disposal shall cause pollution or nuisance.
8. Water reclamation and reuse or disposal shall not result in problems due to breeding of mosquitoes, gnats, midges, or other pests.

9. Reclaimed water use or disposal shall not impart tastes, odors, color, foaming, or other objectionable characteristics to receiving ground waters.
10. Reclaimed water use or disposal which could affect receiving ground waters shall not contain any substance in concentrations toxic to human, animal, or plant life.
11. Odors of sewage origin shall not cause a nuisance.

D. Provisions

1. A copy of these requirements shall be maintained at the reclamation facility so as to be available at all times to operating personnel.
2. In the event of any change in name, ownership, or control of these waste treatment and reclamation facilities, the Reclaimer shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, copy of which shall be forwarded to the Board.
3. In accordance with Section 13522.5 of the Water Code, the Reclaimer shall file a report of any material change or proposed change in character, location or volume of the reclaimed water or its use.
4. The Reclaimer shall file with the Board technical reports on self monitoring work performed according to the detailed specifications contained in the Monitoring and Reporting Programs, as directed by the Executive Officer.
5. The Reclaimer shall notify this Board by telephone within 24 hours of any violations of reclaimed water use conditions or any adverse conditions as a result of the use of reclaimed water from this facility; written confirmation shall follow within one week.
6. The Reclaimer shall notify Board staff by telephone immediately of any confirmed coliform counts that could cause a violation of the 7-day median limit, including the date(s) thereof. This information shall be confirmed in the next monitoring report; in addition, for any actual coliform limit violations that occurred, the report shall also include the reasons for the high

coliform results, the steps being taken to correct the problem (including dates thereof), and the steps being taken to prevent a recurrence.

7. These requirements do not exempt the Reclaimer from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this reclamation facility, and they leave unaffected any further restraint on the use of reclaimed water at this site which may be contained on other statutes or required by other agencies.
8. The Reclaimer shall be responsible to insure that all users of reclaimed water comply with the specifications and requirements for such use.
9. This Order does not alleviate the responsibility of the Reclaimer to obtain other necessary local, state, and federal permits to construct facilities necessary for compliance with this Order; nor does this Order prevent imposition of additional standards, requirements, or conditions by any other regulatory agency. Expansion of this facility from its current capacity shall be contingent upon issuance of all necessary permits, including a conditional use permit.
10. Supervisors and operators of this publicly owned wastewater treatment plant shall possess a certificate of appropriate grade as specified in California Administrative Code, Title 23, Chapter 3, Subchapter 14, Section 2455 and 2460.
11. The Reclaimer shall provide to each user of reclaimed water from Saugus Water Reclamation Plant a copy of these requirements, to be maintained at the user's facility as to be available at all times to operating personnel.
12. For any extension of the reclaimed water system, the Reclaimer shall submit a report detailing the extension for the approval of the Executive Officer. Following construction, as built drawings shall be submitted to the Executive Officer for approval prior to use of reclaimed water.
13. The Reclaimer shall submit to the Board within 60 days of the adoption of this Order, a fail-safe procedure for approval by the Executive Officer.

14. Order No. 81-35 adopted by this Board on July 27, 1981,  
is hereby rescinded.

I, Robert P. Ghirelli, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on April 27, 1987.

*Robert P. Ghirelli*

ROBERT P. GHIRELLI, D.Env.  
Executive Officer

GK/

State of California  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 6188  
FOR

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY  
(Saugus Water Reclamation Plant)  
(File No. 61-30)

The Reclaimer shall implement this monitoring program on the effective date of this Order.

Monitoring reports shall be submitted by the dates in the following schedule:

<u>Reporting period</u>	<u>Report Due</u>
January - March	May 15
April - June	August 15
July - September	November 15
October - December	February 15

The first monitoring report under this program shall be submitted by August 15, 1987.

By March 1 of each year, the Reclaimer 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 Reclaimer 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 Requirements.

Reclaimed Water Monitoring

A sampling station shall be established where representative samples of reclaimed water can be obtained. Reclaimed water samples may be obtained at a single station provided that station is representative of the quality at all discharge points. Each sampling station shall be identified. The following shall constitute the reclaimed water monitoring program:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Turbidity	NTU	continuous	-----
Total flow <sup>1</sup>	gallon	continuous	-----
Coliform group <sup>2</sup>	MPN/100ml	grab	daily
pH	pH units	grab	daily
Total dissolved solids	mg/l	24-hr composite	monthly
Chloride	mg/l	24-hr composite	monthly
Sulfate	mg/l	24-hr composite	monthly
Arsenic	mg/l	24-hr composite	quarterly
Barium	mg/l	24-hr composite	quarterly
Cadmium	mg/l	24-hr composite	quarterly
Chromium	mg/l	24-hr composite	quarterly
Lead	mg/l	24-hr composite	quarterly
Mercury	mg/l	24-hr composite	quarterly
Selenium	mg/l	24-hr composite	quarterly
Silver	mg/l	24-hr composite	quarterly
Cyanide	mg/l	24-hr composite	quarterly
Nitrate	mg/l	24-hr composite	quarterly
Fluoride	mg/l	24-hr composite	quarterly
Radioactivity	pCi/l	24-hr composite	quarterly
Total identifiable chlorinated hydrocarbon	mg/l	grab	quarterly
Priority pollutants	ug/l	grab	semiannually

<sup>1</sup>Shall report the daily volume of reclaimed water and the monthly volume used at each site.

<sup>2</sup>Samples shall be obtained at some point in the treatment process at a time when wastewater flow and characteristics are most demanding on the treatment facility and disinfection procedures. The location(s) of the sampling point(s) and any changes thereto must be approved by the Executive Officer, and proposed changes shall not be made until such approval has been granted. If reclaimed water is used for irrigation of golf courses, cemeteries, freeway landscapes, parks, playgrounds, schoolyards, or other areas where the public has similar access or exposure, samples shall be obtained subsequent to the chlorination procedure. Coliform values obtained must meet the strictest requirement specified for all uses during periods of multiple use, unless separate coliform analyses are obtained at each particular point of use.

The report due in August or February shall contain the semiannual monitoring data.

General Provisions for Sampling and Analysis

All sampling, sample preservation, and analyses 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.

All chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Water Resources Control Board or approved by the Executive Officer.

General Provisions for Reporting

For every item where the requirements are not met, the Reclaimer 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 submit a timetable for correction.

The Reclaimer shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; dates analyses were performed; 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.

In reporting the monitoring data, the Reclaimer shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with Water Reclamation Requirements and, where applicable, shall include results of receiving water observations.

The Reclaimer shall file a report with this Board describing the purposes for which reclaimed water from this facility is used, estimating quantities used for each type of use, depicting on a map or drawing the area(s) of use, and stating the name and address of each user of reclaimed water if other than the Reclaimer. This report shall be updated at least annually, and shall be included with the annual report due March 1st each year.

Each quarterly report shall include a statement that all reclaimed water was used only as specified in the requirements during the quarter.

If no water was delivered for reuse during the quarter, the report shall so state.

Monitoring reports shall be signed by:

- a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which 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 municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

Executed on the \_\_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_.

\_\_\_\_\_ (Signature)

\_\_\_\_\_ (Title)"

Ordered by Robert P. Ghirelli  
Executive Officer

April 27, 1987  
Date

GK/



# **Valencia Water Reclamation Plant Water Reclamation Requirements**

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—  
ANGELES REGION

SOUTH BROADWAY, SUITE 4027  
LOS ANGELES, CALIFORNIA 90012-4596  
(213) 620-4460



MAY 12 AM 9:15

May 5, 1987

Mr. Robert W. Horvath  
Head, Monitoring and Research  
County Sanitation Districts of  
Los Angeles County  
P.O. Box 4998  
Whittier, CA 90607

WATER RECLAMATION REQUIREMENTS - VALENCIA WATER RECLAMATION PLANT  
(FILE NO. 65-86; CI 6186)

Reference is made to our letter dated April 15, 1987 which transmitted a draft of tentative requirements for your disposal of secondary treated effluent.

Pursuant to Division 7 of the California Water Code, this California Regional Water Quality Control Board, at a public meeting held on April 27, 1987 reviewed these tentative requirements, considered all factors in the case, and adopted Order No. 87-48 (copy attached) relative to this waste discharge.

You are required to implement the new monitoring program as stated in the Monitoring and Reporting Program on the effective date of this Order. Please note that any monitoring report due under your previous Monitoring and Reporting Program is still required and must be submitted by the due date. Please reference all technical and monitoring reports to our Compliance File No. 6186. We would appreciate it if you would not combine other reports, such as progress or technical reports, with your monitoring reports but would submit each type of report as a separate document.

If you have any questions, please call Mr. Gregg Kwey at (213) 620-2784.

J. E. ROSS  
Senior Water Resource  
Control Engineer

cc: See attached mailing list

Enclosures

*Handwritten notes:*  
ack  
7-30-87

Mr. Robert W. Horvath  
Mailing List

State Water Resources Control Board, Division of Water  
Quality, Attn: Archie Matthews  
Department of Water Resources  
Department of Health Services, Sanitary Engineering Section  
Los Angeles County, Department of Health Services  
Los Angeles County, Department of Public Works, Hydraulic/Water  
Conservation Division  
Los Angeles County, Department of Public Works, Engineering  
Services Division  
Valencial Water Company  
Bouquet Canyon Water Company  
United Water Conservation District

State of California  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

ORDER NO. 87-48

WATER RECLAMATION REQUIREMENTS  
FOR

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY  
(Valencia Water Reclamation Plant)  
(File No. 65-86)

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. County Sanitation Districts of Los Angeles County (hereinafter referred to as "Reclaimer") operates Valencia Water Reclamation Plant, located at 28185 The Old Road, Los Angeles County, California, with a design flow of 7.5 million gallons per day (mgd), and reclaims all or a portion of its treated municipal wastewater under Waste Discharge Requirements contained in Order No. 81-36 adopted by this Board on July 27, 1981. Currently no reclaimed water is reused.
2. In 1986 the Reclaimer completed a project that increased the plants capacity to 7.5 mgd.
3. The Reclaimer diverts flows in excess of 5 mgd from the Saugus Water Reclamation Plant to the Valencia Water Reclamation Plant for treatment and disposal.
4. The wastewater treatment consists of primary sedimentation, activated sludge, secondary sedimentation, dual media filtration, chlorination, and dechlorination. The sludge is digested anaerobically and hauled away to a legal point of disposal.
5. A review of the current requirements has been conducted by Board staff in accordance with California Administration Code, Title 23, Chapter 3, Subchapter 9, Article 2, Section 2232.2.
6. The treated wastewater may also be discharged to Santa Clara River under separate waste discharge requirements and National Pollution Discharge Elimination System permit (NPDES Permit No. CA0054216) adopted by this Board.
7. The areas of reclaimed water uses are located within the Eastern Hydrologic Subarea.

8. The Board adopted a Revised Water Quality Control Plan for Santa Clara River Basin on March 27, 1978. The Plan contains water quality objectives for ground water in Eastern Hydrologic Subarea. The requirements contained in this Order, as they are met, will be in conformance with the goals of the Water Quality Control Plan.
9. Ground water in the Eastern Hydrologic Subarea is beneficially used for municipal and domestic supply, industrial service and process supply, and agricultural supply.
10. Section 13523 of the California Water Code provides that a regional board, after consulting with and receiving the recommendations of the State Department of Health Services and after any necessary hearing, shall, if it determines such action to be necessary to protect the public health, safety, or welfare, prescribe water reclamation requirements for water which is used or proposed to be used as reclaimed water. Section 13523 further provides that such requirements shall include, or be in conformance with, the statewide reclamation criteria.
11. The use of reclaimed water for impoundments or for irrigation could affect the public health, safety, or welfare; requirements for such use are therefore necessary in accordance with Section 13523 of the Water Code.
12. This project involves an existing facility and as such is exempt from the provisions of the California Environmental Quality Act in accordance with California Administrative Code, Title 14, Chapter 3, Section 15301.

The Board has notified the Reclaimer and interested agencies and persons of its intent to prescribe water reclamation requirements for this direct beneficial use and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public meeting heard and considered all comments pertaining to the direct beneficial use and to the tentative water reclamation requirements.

IT IS HEREBY ORDERED, that County Sanitation Districts of Los Angeles County, shall comply with the following:

- A. Reclaimed Water Limitations

1. Reclaimed water shall be limited to treated municipal wastewater only, as proposed.
2. Reclaimed water shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>Maximum Limitations</u>
Total dissolved solids	mg/l	1000
Chloride	mg/l	300
Sulfate	mg/l	450

3. The pH of reclaimed water shall at all times be within the range 6.0 to 9.0.
4. Reclaimed water shall not contain trace constituents or other substances in concentrations exceeding the limits contained in the current edition of the California Department of Health Services Drinking Water Standards.
5. Radioactivity shall not exceed the limits specified in Title 22, Chapter 15, Article 5, Sections 64441 and 64443, California Administrative Code, or subsequent revisions.
6. Reclaimed water used as agricultural supply shall not cause the nitrogen content in the receiving ground water to exceed the objectives in the Water Quality Control Plan.
7. Reclaimed water shall not contain concentrations of chemical constituents in amounts that adversely affect such beneficial.

B. Specifications for Use of Reclaimed Water

1. Reclaimed water used for the irrigation of golf courses, cemeteries, freeway landscapes, and landscapes in other areas where the public has similar access or exposure shall be at all times an adequately disinfected, oxidized wastewater. The wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and

the number of coliform organisms does not exceed 240 per 100 milliliters in any two consecutive samples.

Oxidized wastewater means wastewater in which the organic matter has been stabilized, is nonputrescible, and contains dissolved oxygen.

Disinfected wastewater means wastewater in which the pathogenic organisms have been destroyed by chemical, physical or biological means.

2. Reclaimed water used for the irrigation of parks, playgrounds, schoolyard, and other areas where the public has similar access or exposure shall be at all times an adequately disinfected, oxidized, coagulated, clarified, filtered wastewater or a wastewater treated by a sequence of unit processes that will assure an equivalent degree of treatment and reliability.

The wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of coliform organisms does not exceed 23 per 100 milliliters in any sample.

A coagulated wastewater means an oxidized wastewater in which colloidal and finely divided suspended matter have been destabilized and agglomerated by the addition of suitable floc-forming chemicals or by an equally effective method.

A filtered wastewater means an oxidized, coagulated, clarified wastewater which has been passed through natural undisturbed soils or filter media, such as sand or diatomaceous earth, so that the turbidity as determined by an approved laboratory method does not exceed an average operating turbidity of 2 turbidity units and does not exceed 5 turbidity units more than 5 percent of the time during any 24-hour period.

3. Reclaimed water used as a source of supply in a nonrestricted recreational impoundment shall be at all times an adequately disinfected, oxidized, coagulated, clarified, filtered wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment

process the median number of coliform organisms does not exceed 2.2 per 100 milliliters and the number of coliform organisms does not exceed 23 per 100 milliliters in more than one sample within any 30-day period. The median value shall be determined from the bacteriological results of the last 7 days for which analyses have been completed.

4. Reclaimed water used as a source of supply in a restricted recreational impoundment shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed.

5. Reclaimed water used as a source of supply in a landscape impoundment shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed.

6. Reclaimed water shall not be directly used for uses other than those enumerated above until requirements for these uses have been established by this Board in accordance with Section 13523 of the California Water Code, unless the Board waives such requirements or finds that the above cited standards are applicable to these uses.

7. Reclaimed water uses shall meet the requirements specified in the "Guidelines for Use of Reclaimed Water" issued by the State Department of Health Services.

8. Reclaimed water used for irrigation shall be retained on the areas of use and shall not be allowed to escape as surface flow except as provided for in a National Pollutant Discharge Elimination System Permit.



For the purpose of this requirement, however, minor amounts of irrigation return water from peripheral areas shall not be considered a violation of this Order provided the discharge meets the requirements contained in a National Pollutant Discharge Elimination System Permit issued to the County Sanitation Districts of Los Angeles County (Valencia Water Reclamation Plant).

9. Reclaimed water shall be applied at such a rate and volume as not to exceed vegetative demand and soil moisture conditions. Special precautions must be taken to prevent clogging of spray nozzles, to prevent overwatering and to exclude the production of runoff. Pipelines shall be maintained so as to prevent leaks.
10. Reclaimed water used for irrigation shall not be allowed to run off into recreational lakes unless it meets the criteria for such lakes.

C. General Requirements

1. The discharge or use of raw or inadequately treated sewage at any time is prohibited.
2. Reclaimed water shall not be used for irrigation during periods of extended rainfall and/or runoff.
3. Standby or emergency power facilities and/or sufficient capacity shall be provided for reclaimed water storage during rainfall or in the event of plant upsets or outages, and at times when spray irrigation cannot be practiced.
4. Reclaimed water use or disposal shall not result in earth movement in geologically unstable areas.
5. Adequate facilities shall be provided to protect the sewage treatment and reclamation facilities from damage by storm flows and runoff.
6. Adequate freeboard shall be maintained in reclaimed water storage pond to ensure that direct rainfall will not cause overtopping.
7. Neither treatment of waste nor any reclaimed water use or disposal shall cause pollution or nuisance.
8. Water reclamation and reuse or disposal shall not result in problems due to breeding of mosquitoes, gnats, midges, or other pests.

9. Reclaimed water use or disposal shall not impart tastes, odors, color, foaming, or other objectionable characteristics to receiving ground waters.
10. Reclaimed water use or disposal which could affect receiving ground waters shall not contain any substance in concentrations toxic to human, animal, or plant life.
11. Odors of sewage origin shall not cause a nuisance.

D. Provisions

1. A copy of these requirements shall be maintained at the reclamation facility so as to be available at all times to operating personnel.
2. In the event of any change in name, ownership, or control of these waste treatment and reclamation facilities, the Reclaimer shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, copy of which shall be forwarded to the Board.
3. In accordance with Section 13522.5 of the Water Code, the Reclaimer shall file a report of any material change or proposed change in character, location or volume of the reclaimed water or its use.
4. The Reclaimer shall file with the Board technical reports on self monitoring work performed according to the detailed specifications contained in the Monitoring and Reporting Programs, as directed by the Executive Officer.
5. The Reclaimer shall notify this Board by telephone within 24 hours of any violations of reclaimed water use conditions or any adverse conditions as a result of the use of reclaimed water from this facility; written confirmation shall follow within one week.
6. The Reclaimer shall notify Board staff by telephone immediately of any confirmed coliform counts that could cause a violation of the 7-day median limit, including the date(s) thereof. This information shall be confirmed in the next monitoring report; in addition, for any actual coliform limit violations that occurred, the report shall also include the reasons for the high

coliform results, the steps being taken to correct the problem (including dates thereof), and the steps being taken to prevent a recurrence.

7. These requirements do not exempt the Reclaimer from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this reclamation facility, and they leave unaffected any further restraint on the use of reclaimed water at this site which may be contained on other statutes or required by other agencies.
8. The Reclaimer shall be responsible to insure that all users of reclaimed water comply with the specifications and requirements for such use.
9. This Order does not alleviate the responsibility of the Reclaimer to obtain other necessary local, state, and federal permits to construct facilities necessary for compliance with this Order; nor does this Order prevent imposition of additional standards, requirements, or conditions by any other regulatory agency. Expansion of this facility from its current capacity shall be contingent upon issuance of all necessary permits, including a conditional use permit.
10. Supervisors and operators of this publicly owned wastewater treatment plant shall possess a certificate of appropriate grade as specified in California Administrative Code, Title 23, Chapter 3, Subchapter 14, Section 2455 and 2460.
11. The Reclaimer shall provide to each user of reclaimed water from Valencia Water Reclamation Plant a copy of these requirements, to be maintained at the user's facility as to be available at all times to operating personnel.
12. For any extension of the reclaimed water system, the Reclaimer shall submit a report detailing the extension for the approval of the Executive Officer. Following construction, as built drawings shall be submitted to the Executive Officer for approval prior to use of reclaimed water.
13. The Reclaimer shall submit to the Board within 60 days of the adoption of this Order, a fail-safe procedure for approval by the Executive Officer.

14. Order No. 81-36 adopted by this Board on July 27, 1981,  
is hereby rescinded.

I, Robert P. Ghirelli, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on April 27, 1987.



ROBERT P. GHIPELLI, D.Env.  
Executive Officer

GK/

State of California  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 6186  
FOR

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY  
(Valencia Water Reclamation Plant)  
(File No. 65-86)

The Reclaimer shall implement this monitoring program on the effective date of this Order.

Monitoring reports shall be submitted by the dates in the following schedule:

<u>Reporting period</u>	<u>Report Due</u>
January - March	May 15
April - June	August 15
July - September	November 15
October - December	February 15

The first monitoring report under this program shall be submitted by August 15, 1987.

By March 1 of each year, the Reclaimer 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 Requirements.

Values obtained for the NPDES monitoring report during periods of discharge to surface waters may be reported here in lieu of duplicate testing, if representative. However, non-NPDES self-monitoring reports shall be submitted separately from the NPDES monitoring reports.

Reclaimed Water Monitoring

A sampling station shall be established where representative samples of reclaimed water can be obtained. Reclaimed water samples may be obtained at a single station provided that station is representative of the quality at all discharge points. Each sampling station shall be identified. The following shall constitute the reclaimed water monitoring program:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Turbidity <sup>1</sup>	NTU	continuous	-----
Total flow <sup>2</sup>	gallon	continuous	-----
Coliform group <sup>3</sup>	MPN/100ml	grab	daily
pH	pH units	grab	daily
Total dissolved solids	mg/l	24-hr composite	monthly
Chloride	mg/l	24-hr composite	monthly
Sulfate	mg/l	24-hr composite	monthly
Arsenic	mg/l	24-hr composite	quarterly
Barium	mg/l	24-hr composite	quarterly
Cadmium	mg/l	24-hr composite	quarterly
Chromium	mg/l	24-hr composite	quarterly
Lead	mg/l	24-hr composite	quarterly
Mercury	mg/l	24-hr composite	quarterly
Selenium	mg/l	24-hr composite	quarterly
Silver	mg/l	24-hr composite	quarterly
Cyanide	mg/l	24-hr composite	quarterly
Nitrate	mg/l	24-hr composite	quarterly
Fluoride	mg/l	24-hr composite	quarterly

<sup>1</sup>Required only for applications having a turbidity limit. The average value recorded each day and amount of time that 5 NTU was exceeded each day shall be reported. Turbidity samples may be obtained anywhere in the treatment process subsequent to the filtration procedure.

<sup>2</sup>Shall report the daily volume of reclaimed water and the monthly volume used at each site.

<sup>3</sup>Samples shall be obtained at some point in the treatment process at a time when wastewater flow and characteristics are most demanding on the treatment facility and disinfection procedures. The location(s) of the sampling point(s) and any changes thereto must be approved by the Executive Officer, and proposed changes shall not be made until such approval has been granted. If reclaimed water is used for irrigation of golf courses, cemeteries, freeway landscapes, parks, playgrounds, schoolyards, or other areas where the public has similar access or exposure, samples shall be obtained subsequent to the chlorination procedure. Coliform values obtained must meet the strictest requirement specified for all uses during periods of multiple use, unless separate coliform analyses are obtained at each particular point of use.

Radioactivity	pCi/l	24-hr composite	quarterly
Total identifiable chlorinated hydrocarbon	mg/l	grab	quarterly
Priority pollutants	ug/l	grab	semiannually

The report due in August or February shall contain the semiannual monitoring data.

General Provisions for Sampling and Analysis

All sampling, sample preservation, and analyses 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.

All chemical, bacteriological, and bicassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health or approved by the Executive Officer.

General Provisions for Reporting

For every item where the requirements are not met, the Reclaimer 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 submit a timetable for correction.

The Reclaimer shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; dates analyses were performed; 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.

In reporting the monitoring data, the Reclaimer shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with Water Reclamation Requirements and, where applicable, shall include results of receiving water observations.

The Reclaimer shall file a report with this Board describing the purposes for which reclaimed water from this facility is used, estimating quantities used for each type of use, depicting on a map

or drawing the area(s) of use, and stating the name and address of each user of reclaimed water if other than the Reclaimer. This report shall be updated at least annually, and shall be included with the annual report due March 1st each year.

Each quarterly report shall include a statement that all reclaimed water was used only as specified in the requirements during the quarter.

If no water was delivered for reuse during the quarter, the report shall so state.

Monitoring reports shall be signed by:

- a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which 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 municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

Executed on the \_\_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_.

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Title)"

Ordered by Robert P. Ghirelli  
Executive Officer

April 27, 1987  
Date



# **Whittier Narrows Water Reclamation Plant Water Reclamation Requirements**

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—  
LOS ANGELES REGION**

SOUTH BROADWAY, SUITE 4027  
LOS ANGELES, CALIFORNIA 90012-4596  
(213) 620-4460



October 31, 1988

Mr. Robert W. Horvath  
Head, Monitoring and Research  
County Sanitation Districts of  
Los Angeles County  
P.O. Box 4998  
Whittier, CA 90607

**WATER RECLAMATION REQUIREMENTS - WHITTIER NARROWS WATER  
RECLAMATION PLANT (FILE NO. 88-40; CI 6844)**


Reference is made to our letter dated October 5, 1988, which transmitted a draft of tentative requirements for your reuse of municipal treated wastewater from the subject wastewater treatment plant.

Pursuant to Section 13523 of the California Water Code, this California Regional Water Quality Control Board, at a public meeting held on October 24, 1988, reviewed these tentative water reclamation requirements, considered all factors in the case, and adopted Order No. 88-107 (copy attached) relative to this matter.

Enclosed are copies of the subject Order and Monitoring and Reporting Program. Please note that Provision D, Items 20 and 21 require you to submit to this Board technical reports within 90 days of the effective date of this Order.

The "Monitoring and Reporting Program" requires you to implement the monitoring program on the effective date of this Order. Your first monitoring report is due by December 15, 1988.

If you have any questions, please call Shana K. Manafian at (213) 620-5413.

  
HUBERT H. KANG  
Senior Water Resource  
Control Engineer

cc: See attached mailing list

Enclosures

## Mailing List

Mr. Archie Matthews, State Water Resources Control Board,  
Division of Water Quality  
Ms. Bonnie Wolstoncroft, State Water Resources Control Board,  
Office of Chief Counsel  
Department of Water Resources, Southern District  
Department of Fish and Game, Region 5  
Department of Health Services, Public Water Supply Branch  
Los Angeles County, Department of Health Services  
Los Angeles County, Department of Public Works, Hydraulic/Water  
Conservation Division  
Los Angeles County, Department of Public Works, Engineering  
Services Division  
Central and West Basin Water Replenishment District  
City of El Monte  
South Coast Air Quality Management District

State of California  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION

ORDER NO. 88-107

WATER RECLAMATION REQUIREMENTS  
FOR

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY  
(Whittier Narrows Water Reclamation Plant)  
(File No. 88-40)

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. County Sanitation Districts of Los Angeles County have filed a report of water reclamation in accordance with California Water Code, Division 7, Chapter 7, Section 13522.5 to apply for water reclamation requirements for its Whittier Narrows Water Reclamation Plant.
2. County Sanitation Districts of Los Angeles County (hereinafter referred to as "Reclaimer") operate Whittier Narrows Water Reclamation Plant, located at 301 North Rosemead Boulevard, El Monte, California, with a design capacity of 15.0 million gallons per day (mgd), and reclaim all or a portion of the treated municipal wastewater.
3. The wastewater treatment consists of primary sedimentation, activated sludge biological treatment, secondary clarification, coagulation, inert media filtration, chlorination, and dechlorination. No facilities are provided for solids processing at the plant. All sewage solids separated from the wastewater are returned to the trunk sewer for final disposal at the Reclaimer's Joint Water Pollution Control Plant.
4. Effluent from this plant is discharged to surface waters, San Gabriel River and Rio Hondo, under National Pollutant Discharge Elimination System permit (NPDES permit No. CA0053716) . Effluent is also reclaimed for groundwater recharge under separate water reclamation requirements (File Nos. 71-67 and 60-129) adopted by this Board.
5. The Reclaimer currently proposes to reuse an additional 0.05 mgd of water for irrigation of nursery stock. Additional reuse projects may also be developed in the future.

6. The areas of reclaimed water use are located within the San Gabriel Valley Hydrologic Subunit.
7. A recent total dissolved solids (TDS) analysis for the plant's influent at the Whittier Narrows Water Reclamation Plant showed 538 mg/l of TDS. The TDS analyses for the plant's effluent ranged between 440-580 mg/l for the period of July 1987 through June 1988.
8. The Board adopted a Revised Water Quality Control Plan for Los Angeles River Basin on November 27, 1978. The Plan contains water quality objectives for ground water in San Gabriel Valley Hydrologic Subunit. The Basin Plan objective for TDS in the Westerly Portion of Main San Gabriel Basin is 450 mg/l.
9. Section 13523.5 of Water Code states that " A regional board may not deny issuance of water reclamation requirements to a project which violates only a salinity standard in the basin plan."
10. Ground water in the San Gabriel Valley Hydrologic Subunit is beneficially used for municipal and domestic supply, industrial service and process supply, agricultural supply, and freshwater replenishment.
11. Section 13523 of the Water Code provides that a regional board, after consulting with and receiving the recommendations of the State Department of Health Services and after any necessary hearing, shall, if it determines such action to be necessary to protect the public health, safety, or welfare, prescribe water reclamation requirements for water which is used or proposed to be used as reclaimed water. Section 13523 further provides that such requirements shall include, or be in conformance with, the statewide reclamation criteria.
12. The use of reclaimed water for irrigation could affect the public health, safety, or welfare; requirements for such use are therefore necessary in accordance with Section 13523 of the Water Code.

- 13. This project involves an existing facility and as such is exempt from the provisions of the California Environmental Quality Act in accordance with California Code of Regulations, Title 14, Chapter 3, Section 15301.

The Board has notified the Reclaimer and interested agencies and persons of its intent to prescribe water reclamation requirements for the use of reclaimed water and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public meeting heard and considered all comments pertaining to use of reclaimed water and to the tentative water reclamation requirements.

IT IS HEREBY ORDERED, that County Sanitation Districts of Los Angeles County, shall comply with the following:

A. Reclaimed Water Limitations

- 1. Reclaimed water shall be limited to treated municipal wastewater only, as proposed.
- 2. Reclaimed water shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>DISCHARGE LIMITATIONS</u>		
		<u>30-day Average</u>	<u>7-day Average</u>	<u>Daily Maximum</u>
Total dissolved solids	mg/l	-	-	600
Chloride	mg/l	-	-	100
Sulfate	mg/l	-	-	150
Boron	mg/l	-	-	0.5
Suspended solids	mg/l	15	40	-
Settleable solids	ml/l	0.1	-	0.3
BOD 20°C	mg/l	20	30	-
Oil and grease	mg/l	10	-	15
Nitrite-N plus Nitrate- N	mg/l	10	-	-
Fluoride	mg/l	-	-	1.6

- 3. The pH of reclaimed water shall at all times be within the range 6.0 to 9.0.
- 4. Reclaimed water shall not contain trace constituents or other substances in concentrations exceeding the limits contained in the current

edition of the California Department of Health Services Drinking Water Standards.

5. Radioactivity shall not exceed the limits specified in Title 22, Chapter 15, Article 5, Sections 64441 and 64443, California Code of Regulations, or subsequent revisions.
6. Reclaimed water, used for agricultural supply, shall not contain concentrations of chemical constituents in amounts that adversely affect such beneficial use.

B. Specifications for Use of Reclaimed Water

1. Reclaimed water used for the irrigation of golf courses (away from residential area), cemeteries, freeway landscapes, and landscapes in other areas where the public has similar access or exposure shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of coliform organisms does not exceed 240 per 100 milliliters in any two consecutive samples.

Oxidized wastewater means wastewater in which the organic matter has been stabilized, is nonputrescible, and contains dissolved oxygen.

Disinfected wastewater means wastewater in which the pathogenic organisms have been destroyed by chemical, physical or biological means.

2. Reclaimed water used for the irrigation of parks, playgrounds, schoolyards, golf courses adjacent to residential areas, and other areas where the public has similar access or exposure shall be at all times an adequately disinfected, oxidized, coagulated, clarified, filtered wastewater or a wastewater treated by a sequence of unit processes that will assure an equivalent degree of treatment and reliability.

The wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of coliform organisms does not exceed 23 per 100 milliliters in any sample.

A coagulated wastewater means an oxidized wastewater in which colloidal and finely divided suspended matter have been destabilized and agglomerated by the addition of suitable floc-forming chemicals or by an equally effective method.

A filtered wastewater means an oxidized, coagulated, clarified wastewater which has been passed through natural undisturbed soils or filter media, such as sand or diatomaceous earth, so that the turbidity as determined by an approved laboratory method does not exceed an average operating turbidity of 2 turbidity units and does not exceed 5 turbidity units more than 5 percent of the time during any 24-hour period.

3. Reclaimed water used as a source of supply in a nonrestricted recreational impoundment (an impoundment of reclaimed water in which no limitations are imposed on body-contact water sport activities) shall be at all times an adequately disinfected, oxidized, coagulated, clarified, filtered wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 2.2 per 100 milliliters and the number of coliform organisms does not exceed 23 per 100 milliliters in more than one sample within any 30-day period. The median value shall be determined from the bacteriological results of the last 7 days for which analyses have been completed.



4. Reclaimed water used as a source of supply in a restricted recreational impoundment (a body of reclaimed water in which recreation is limited to fishing, boating, and other non-body-contact water recreation activities) shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed.

5. Reclaimed water used as a source of supply in a landscape impoundment (a body of reclaimed water which is used for aesthetic enjoyment or which otherwise serves a function not intended to include public contact) shall be at all times an adequately disinfected, oxidized wastewater.

The wastewater shall be considered adequately disinfected if at some location in the treatment process the median number of coliform organisms does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed.

6. Reclaimed water shall not be directly used for uses other than those enumerated above until requirements for other uses have been established by this Board in accordance with Section 13523 of the California Water Code, unless the Board waives such requirements or finds that the above cited standards are applicable to these uses.
7. Reclaimed water uses shall meet the requirements specified in the "Guidelines for Use of Reclaimed Water" issued by the State Department of Health Services.

8. Reclaimed water used for irrigation shall be retained on the areas of use and shall not be allowed to escape as surface flow except as provided for in a National Pollutant Discharge Elimination System Permit.

For the purpose of this requirement, however, minor amounts of irrigation return water from peripheral areas shall not be considered a violation of this Order provided the discharge otherwise meets the requirements contained in a National Pollutant Discharge Elimination System Permit issued to the County Sanitation Districts of Los Angeles County (Whittier Narrows Water Reclamation Plant).

9. Reclaimed water shall be applied at such a rate and volume as not to exceed vegetative demand and soil moisture conditions. Special precautions must be taken to prevent clogging of spray nozzles, to prevent overwatering and to exclude the production of runoff. Pipelines shall be maintained so as to prevent leaks.
10. Reclaimed water used for irrigation shall not be allowed to run off into recreational lakes unless it meets the criteria for such lakes.

C. General Requirements

1. The discharge or use of raw or inadequately treated sewage at any time is prohibited.
2. Reclaimed water shall not be used for irrigation during periods of extend rainfall and/or runoff.
3. Standby or emergency power facilities and/or sufficient storage capacity shall be provided so that in the event of plant upset or outages, (due to power failure) or other causes, discharge of raw or inadequately treated sewage does not occur.
4. Reclaimed water use or disposal shall not result in earth movement in geologically unstable areas.

5. Adequate freeboard shall be maintained in reclaimed water storage pond to ensure that direct rainfall will not cause overtopping.
6. Neither treatment of waste nor any reclaimed water use or disposal shall cause pollution or nuisance.
7. Water reclamation and reuse or disposal shall not result in problems due to breeding of mosquitoes, gnats, midges, or other pests.
8. Reclaimed water use or disposal shall not impart tastes, odors, color, foaming, or other objectionable characteristics to receiving waters.
9. Reclaimed water shall not contain any substance in concentrations toxic to human, animal, or plant life.
10. Odors of sewage origin shall not cause a nuisance.
11. Reclaimed water use or disposal shall not cause a violation of any applicable water quality standards for receiving waters adopted by this Board or the State Water Resources Control Board.

D. Provisions

1. A copy of these requirements shall be maintained at the reclamation and reclaimed water use facilities so as to be available at all times to operating personnel.
2. The Reclaimer must comply with all of the terms, requirements and conditions of this Order. Any violation of this Order constitutes a violation of the California Water Code, and is grounds for enforcement action, Order termination, Order revocation, and reissuance denial of an application for reissuance, or any combination thereof.
3. This Order may be modified, revoked and reissued, or terminated for cause. The filing of a request by the Reclaimer for a modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any condition of this Order.

4. This Order does not convey any property rights of any sort, or any exclusive privilege.
5. The Reclaimer shall furnish within a reasonable time, any information the Regional Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the Order. The Reclaimer shall also furnish to the Regional Board, upon request, copies of records requested to be kept by this Order.
6. The Reclaimer shall take all reasonable steps to minimize or prevent any discharge that has a reasonable likelihood of adversely affecting human health or the environment.
7. In the event of any change in name, ownership, or control of these waste treatment and reclamation facilities, the Reclaimer shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, copy of which shall be forwarded to the Board.
8. In accordance with Section 13522.5 of the Water Code, the Reclaimer shall file with this Regional Board a report of any material change or proposed change in the character of the reclaimed water or its uses.
9. The Reclaimer shall file with the Board technical reports on self monitoring work performed according to the detailed specifications contained in the Monitoring and Reporting Program, as directed by the Executive Officer.
10. The Reclaimer shall notify this Board by telephone within 24 hours of any violations of reclaimed water use requirements or any adverse conditions as a result of the use of reclaimed water from this facility; written confirmation shall follow within one week.
11. The Reclaimer shall notify Board staff by telephone immediately of any confirmed coliform counts that could cause a violation of the 7-day median limit, including the date(s) thereof. This information shall be confirmed in the next

monitoring report; in addition, for any actual coliform limit violations that occurred, the report shall also include the reasons for the high coliform results, the steps being taken to correct the problem (including dates thereof), and the steps being taken to prevent a recurrence.

12. These requirements do not exempt the Reclaimer from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this reclamation facility, and they leave unaffected any further restraint on the use of reclaimed water which may be contained on other statutes or required by other agencies.
13. The Reclaimer shall be responsible to insure that all users of reclaimed water comply with the specifications and requirements for such use.
14. This Order does not alleviate the responsibility of the Reclaimer to obtain other necessary local, state, and federal permits to construct facilities necessary for compliance with this Order; nor does this Order prevent imposition of additional standards, requirements, or conditions by any other regulatory agency. Expansion of this facility from its current capacity shall be contingent upon issuance of all necessary permits, including a conditional use permit.
15. Supervisors and operators of this publicly owned wastewater treatment plant shall possess a certificate of appropriate grade as specified in California Code of Regulations, Title 23, Chapter 3, Subchapter 14, Section 2455 and 2460.
16. The Reclaimer shall provide to each user of reclaimed water from Whittier Narrows Water Reclamation Plant a copy of these requirements, to be maintained at the user's facility so as to be available at all times to operating personnel.
17. For any extension of the reclaimed water system, the Reclaimer shall submit a report detailing the extension for the approval of the Executive Officer. Following construction, as-built drawings shall be submitted to the Executive Officer for approval prior to use of reclaimed water.

18. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the Reclaimer from liabilities under federal, state, or local laws.
19. The Regional Board and other authorized representatives shall be allowed:
  - a. Entry upon premises where a regulated facility or activity is located or conducted, or where records are kept under the conditions of this Order;
  - b. Access to copy any records that are kept under the conditions of this Order;
  - c. To inspect any facility, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
  - d. To photograph, sample, and monitor for the purpose of assuring compliance with this Order, or as otherwise authorized by the California Water Code.
20. The Reclaimer shall submit to this Board, within 90 days of the effective date of this order, a report demonstrating compliance with the requirements specified in Chapter 3, Division 4, Title 22, of California Code of Regulations.
21. The Reclaimer shall submit to this Board, within 90 days of the effective date of this Order, a technical report on his preventive (failsafe) and contingency (cleanup) plans for controlling accidental discharges, 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 present facilities and procedures and state when they become operational.
- (c) Describe facilities and procedures needed for effective preventive and contingency plans.
- (d) Predict the effectiveness of the proposed facilities and procedure and provide an implementation schedule containing interim and final dates when they will be constructed, implemented, or operational.

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

I, Robert P. Ghirelli, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on October 24, 1988.

*Robert P. Ghirelli*

ROBERT P. GHIRELLI, D.Env.  
Executive Officer

STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 6844  
FOR

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY  
(Whittier Narrows Water Reclamation Plant)  
(File No. 88-40)

The discharger shall implement this monitoring program on the effective date of this Order. All monitoring reports shall be submitted monthly, by the fifteenth day of the second month following each monthly sampling period. The first monitoring report under this program shall be submitted by December 15, 1988.

Quarterly effluent analyses shall be performed during the months of February, May, August, and November. Weekly effluent analyses shall be performed on different weekdays during each month.

By March 5 of each year, the Reclaimer 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 Reclaimer 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 requirements.

Values obtained for the NPDES monitoring report during periods of discharge to surface waters may be reported here in lieu of duplicate testing, if representative. However, non-NPDES self-monitoring reports shall be submitted separately from the NPDES monitoring reports.

Reclaimed Water Monitoring

A sampling station shall be established where representative samples of reclaimed water can be obtained. Reclaimed water samples may be obtained at a single station provided that station is representative of the quality at all discharge points. Each sampling station shall be identified. The following shall constitute the reclaimed water monitoring program for reclaimed water used as described in the Water Reclamation Requirements:



<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
✓ Turbidity <sup>1</sup> /	NTU	continuous	-----
✓ Total flow <sup>2</sup> /	gallon	continuous	-----
✓ Coliform group <sup>3</sup> /	MPN/100ml	grab	daily
pH	pH units	grab	daily
✓ Total dissolved solids	mg/l	24-hr composite	monthly
✓ Chloride	mg/l	24-hr composite	monthly
<del>Boron</del>	mg/l	24-hr composite	monthly
✓ Fluoride	mg/l	24-hr composite	monthly
✓ Sulfate	mg/l	24-hr composite	monthly
✓ BOD <sub>5</sub> 20°C	mg/l	24-hr composite	weekly
<del>Oil and grease</del>	mg/l	grab	monthly
✓ Suspended solids	mg/l	24-hr composite	daily
Settleable solids	ml/l	grab	daily
✓ Nitrate-N plus Nitrite-N	mg/l	24-hr composite	monthly
✓ Arsenic	mg/l	24-hr composite	quarterly
<del>Barium</del>	mg/l	24-hr composite	quarterly
<del>Cadmium</del>	mg/l	24-hr composite	quarterly
<del>Chromium</del>	mg/l	24-hr composite	quarterly
<del>Lead</del>	mg/l	24-hr composite	quarterly
<del>Mercury</del>	mg/l	24-hr composite	quarterly
<del>Selenium</del>	mg/l	24-hr composite	quarterly
Silver	mg/l	24-hr composite	quarterly
<del>Cyanide</del>	mg/l	24-hr composite	quarterly
✓ Nitrate	mg/l	24-hr composite	quarterly
✓ Fluoride	mg/l	24-hr composite	quarterly
<del>Radioactivity</del>	pCi/l	24-hr composite	quarterly
<del>Total identifiable chlorinated hydrocarbons</del>	ug/l	grab	quarterly
Priority Pollutants	ug/l	grab	semi-annually

<sup>1</sup>Required only for applications having a turbidity limit. The average value recorded each day and amount of time that 5 NTU was exceeded each day shall be reported. Turbidity samples may be obtained anywhere in the treatment process subsequent to the filtration procedure.

<sup>2</sup>Shall report the daily volume of reclaimed water used at each site of use.

<sup>3</sup>Samples shall be obtained at some point in the treatment process at a time when wastewater flow and characteristics are most demanding on the treatment facility and disinfection procedures. The location(s) of the sampling point(s) and any changes thereto

must be approved by the Executive Officer, and proposed changes shall not be made until such approval has been granted. If reclaimed water is used for irrigation of golf courses, cemeteries, freeway landscapes, parks, playgrounds, schoolyards, or other areas where the public has similar access or exposure, samples shall be obtained subsequent to the chlorination procedure. Coliform values obtained must meet the strictest requirement specified for all uses during periods of multiple use, unless separate coliform analyses are obtained at each particular point of use.

#### General Provisions for Sampling and Analysis

All sampling, sample preservation, and analyses 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.

All chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Water Resources Control Board or approved by the Executive Officer.

#### General Provisions for Reporting

For every item where the requirements are not met, the Reclaimer 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 submit a timetable for correction.

The Reclaimer shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; dates analyses were performed; 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.

In reporting the monitoring data, the Reclaimer shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernable. The data shall be summarized to demonstrate compliance with Water Reclamation Requirements and, where applicable, shall include results of receiving water observations.

The Reclaimer shall file a report with this Board describing the purposes for which reclaimed water from this facility is used, estimating quantities used for each type of use, depicting on a map

or drawing the area(s) of use, and stating the name and address of each user of reclaimed water if other than the Reclaimer. This report shall be updated at least annually, and shall be included with the annual report due March 5 of each year.

Each monthly report shall include a statement that all reclaimed water was used only as specified in the requirements during the month.

If no water was delivered for reuse during the month, the report shall so state.

Monitoring reports shall be signed by:

- a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which 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 municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

Executed on the \_\_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_.

\_\_\_\_\_ (Signature)

\_\_\_\_\_ (Title)"

Ordered by

Robert P. Ghirelli  
ROBERT P. GHIRELLI, D.Env.  
Executive Officer

Date: October 24, 1988

**Tab 12**

**Districts' Ordinances Providing for the  
Establishment and Enforcement of Regulations  
Pursuant to Water Recycling Requirements for  
Recycled Water Users**

## **Joint Outfall System (Sanitation District No. 2)**

**ORDINANCE PROVIDING FOR  
THE ESTABLISHMENT AND ENFORCEMENT OF REGULATIONS  
PURSUANT TO WATER RECYCLING REQUIREMENTS FOR  
RECYCLED WATER USERS**

The Board of Directors of County Sanitation District No. 2 of Los Angeles County (hereinafter "District") ordains as follows:

**1. AUTHORITY**

This Ordinance is enacted pursuant to authority contained in the County Sanitation District Act, California Health and Safety Code Sections 4700 *et seq.*, and exercises authority conferred by law including but not limited to Division 7, Chapter 7, Article 4, Sections 13520 *et seq.* of the Water Code.

**2. SHORT TITLE**

This Ordinance shall be known as the **Joint Outfall System Recycled Water Ordinance** and may be cited as such.

**3. PURPOSE**

The purpose of this Ordinance is to provide for the establishment and enforcement of regulations pertaining to the administration of waste discharge requirements ("WDRs") issued by the California Regional Water Quality Control Board, Los Angeles Region ("Regional Board"), pursuant to Water Code Section 13263, water reclamation requirements ("WRRs") issued pursuant to Section 13523, or a master reclamation permit ("Master Permit") issued pursuant to Section 13523.1. This Ordinance will govern the use of recycled water in accordance with the Water Recycling Criteria established by the California Department of Health Services ("DHS") pursuant to Water Code Section 13521, and codified in Title 22, Division 4, Chapter 3 of the California Code of Regulations.

**4. FINDINGS AND DETERMINATIONS**

For over forty years, the County Sanitation Districts of Los Angeles County have owned and operated wastewater treatment plants capable of producing water that meets all requirements for recycled water, including but not limited to regulations and other directives issued by the DHS and the Regional Board.

No person may recycle water or use recycled water until a California Regional Water Quality Control Board either establishes WDRs, WRRs, or Master Permits (collectively, "Permits") or determines that no such Permits are necessary.<sup>1</sup> As the producer of recycled water, the District oversees the production and use of recycled water pursuant to Permits issued by the Regional Board.

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<sup>1</sup> California Water Code § 13524.

## 5. APPLICATION

This Ordinance shall apply to any and all Users to whom the District distributes recycled water, either directly or through an intermediate party, including Purveyors that act as such intermediate parties in delivering recycled water to Users.

## 6. DEFINITIONS

For purposes of this Ordinance, the following definitions shall apply to the following terms:

- a) "**Authorized Recycled Water Use Site**" is a site authorized for use of recycled water; the uses of recycled water and the site location must comply with Permits as issued by the Regional Board.
- b) "**Chief Engineer**" is the Chief Engineer and General Manager of the District.
- c) "**Master Reclamation Permit**" contains requirements established by the Regional Board pursuant to Water Code Section 13523.1.
- d) "**Person**" is any individual, partnership, corporation, governmental subdivision or unit of a governmental subdivision, or public or private organization or entity of any character.
- e) "**Purveyor**" is any public, private, investor-owned, or other water utility that is legally permitted to distribute water and that obtains recycled water from the District for distribution to Users.
- f) "**Recycled water**" is water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur, and is therefore considered a valuable resource.
- g) "**Regulations**" are requirements established by the Chief Engineer that govern the design and construction of recycled water use facilities and the use of recycled water, in accordance with the Uniform Statewide Reclamation Criteria. These may also be called the District's "*Requirements for Recycled Water Users.*"
- h) "**State Water Resources Control Board**" is an agency of the state of California created by the Legislature and exercising its powers pursuant to the Porter-Cologne Water Quality Control Act, Water Code Section 13000 *et seq.*
- i) "**User**" is any person to whom the District distributes recycled water under the Permits issued to the District by the Regional Board, including end users to whom recycled water is conveyed through an intermediate party. User does not include persons who have been independently issued Permits from the Regional Board.
- j) "**User Agreement**" is a contractual agreement between the User and/or Purveyor and the District that establishes the conditions for recycled water service and use.
- k) "**Waste Discharge Requirements**" are requirements that are established by the Regional Board pursuant to Water Code Section 13263.
- l) "**Water Recycling Criteria**" are the criteria established by the DHS generally dealing with the levels of constituents of recycled water, and the means for assurance of reliability under the design concept, which will result in safe recycled water from the standpoint of public health. The criteria are established pursuant to Water Code Section 13521, and are contained in the California Code of Regulations, Title 22, Division 4, Chapter 3; also referred to as the "Uniform Statewide Reclamation Criteria."
- m) "**Water Recycling Requirements**" are requirements that are established by the Regional Board pursuant to Water Code section 13523.

**7. ADMINISTRATION**

The District shall administer this Ordinance so as to comply with the terms and conditions of Permits as issued by the Regional Board.

**8. REQUIREMENTS**

A. A User and/or Purveyor who receives the District's recycled water must comply with the terms of this Ordinance and with the following requirements:

- 1) Water Recycling Criteria, as established by the California Department of Health Services, Title 22, Division 4, Chapter 3 of the California Code of Regulations;
- 2) Requirements, rules, regulations, and/or restrictions established by the California State Water Resources Control Board;
- 3) Requirements, rules, regulations, and/or restrictions established by the Regional Board.
- 4) Permits issued by the Regional Board, which are incorporated herein and made a part hereof, to the extent that they are applicable to persons subject to this Ordinance;
- 5) Requirements, rules, regulations, and/or restrictions, pertaining to the quality of recycled water, adopted by any agency maintaining jurisdiction over any person subject to this Ordinance;
- 6) Regulations adopted by the Chief Engineer pursuant to Section 9 of this Ordinance.

A User and/or Purveyor must keep apprised of any changes to the foregoing requirements. A User and/or Purveyor must conform to any applicable changes to the requirements; a violation thereof is the User's and/or Purveyor's sole responsibility. A violation of any of the foregoing requirements will constitute a violation of this Ordinance.

B. A person seeking to operate a proposed Authorized Recycled Water Use Site ("Authorized Site"), and directly receive the District's recycled water, must comply with the following:

- 1) The person must file an application therefore with the District prior to using the recycled water. Persons who have already executed a User Agreement with the District are exempt from this requirement until such time as the Agreement is amended or revised.
- 2) The person must execute a User Agreement, which includes the District's terms and conditions for use of recycled water at the Authorized Site. Any violation of a User Agreement shall be a violation of this Ordinance and punishable as such. Any Person that has been a User for more than one year prior to the effective date of this Ordinance, and has otherwise been in conformance with all legal requirements and directives of the District, shall be exempt from this subparagraph (2) for a period of one year from said effective date.

A person seeking to operate a proposed Authorized Site, and receive the District's recycled water through a Purveyor, must file an application with the Purveyor prior to any delivery of recycled water. Such application shall not be effective until it has been approved by the District.



9. **ENFORCEMENT**

The Chief Engineer is granted authority to establish Regulations governing the use of recycled water as necessary, which shall be in accordance with existing law.

The Chief Engineer shall administer, implement, and enforce the provisions of this Ordinance. Any powers granted to or duties imposed upon the Chief Engineer may be delegated to persons acting in the beneficial interest of or in the employ of the District.

10. **VIOLATION**


A. Upon a written determination of the Chief Engineer that a violation of this Ordinance has occurred, such action shall constitute a basis for:

- 1) termination of any User Agreement
- 2) immediate cessation of recycled water delivery

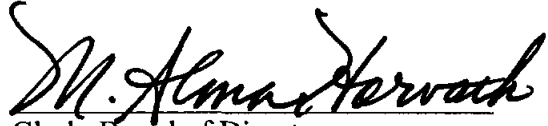
B. The Chief Engineer shall adopt notice and hearing procedures to implement this section, which shall be consistent with the rights afforded by due process.

**11. VALIDITY**

If any part, section, subsection, paragraph, sentence, clause, or phrase of this Ordinance is held invalid or unconstitutional for any reason by any court, that decision does not affect the validity or constitutionality of the remainder of this Ordinance. The Board of Directors declares that it would have adopted each provision of this Ordinance irrespective of the validity of any other provision.


**PRO TEM**   
Chairperson, Board of Directors  
County Sanitation District  
No. 2 of Los Angeles County

ATTEST:

  
Clerk, Board of Directors  
County Sanitation District  
No. 2 of Los Angeles County

PASSED AND ADOPTED by the Board of Directors of County Sanitation District No. 2 of Los Angeles County on January 24, 2007, by the following vote:

- AYES: Directors Bello, Lee, Calhoun, Bayer, Reyes Uranga, Cardenas, Lopez-Reid, Lau, Luera, Hofmeyer, E.A. "Pete" Ramirez, D. Gutierrez, DeWitt, Nordbak, Yaroslavsky, and Smith
- NOES: None
- ABSTAIN: None
- ABSENT: Directors Sham, Lyon, Aceituno, Ramos, and Malburg

  
Secretary of the Board of Directors  
County Sanitation District No. 2  
of Los Angeles County

# **Santa Clarita Valley Sanitation District**

**ORDINANCE PROVIDING FOR  
THE ESTABLISHMENT AND ENFORCEMENT OF REGULATIONS  
PURSUANT TO WATER RECYCLING REQUIREMENTS FOR  
RECYCLED WATER USERS**

The Board of Directors of Santa Clarita Valley Sanitation District of Los Angeles County (hereinafter "District") ordains as follows:

**1. AUTHORITY**

This Ordinance is enacted pursuant to authority contained in the County Sanitation District Act, California Health and Safety Code Sections 4700 *et seq.*, and exercises authority conferred by law including but not limited to Division 7, Chapter 7, Article 4, Sections 13520 *et seq.* of the Water Code.

**2. SHORT TITLE**

This Ordinance shall be known as the **Santa Clarita Valley Sanitation District Recycled Water Ordinance** and may be cited as such.

**3. PURPOSE**

The purpose of this Ordinance is to provide for the establishment and enforcement of regulations pertaining to the administration of waste discharge requirements ("WDRs") issued by the California Regional Water Quality Control Board, Los Angeles Region ("Regional Board"), pursuant to Water Code Section 13263, water reclamation requirements ("WRRs") issued pursuant to Section 13523, or a master reclamation permit ("Master Permit") issued pursuant to Section 13523.1. This Ordinance will govern the use of recycled water in accordance with the Water Recycling Criteria established by the California Department of Health Services ("DHS") pursuant to Water Code Section 13521, and codified in Title 22, Division 4, Chapter 3 of the California Code of Regulations.

**4. FINDINGS AND DETERMINATIONS**

For over forty years, the County Sanitation Districts of Los Angeles County have owned and operated wastewater treatment plants capable of producing water that meets all requirements for recycled water, including but not limited to regulations and other directives issued by the DHS and the Regional Board.

No person may recycle water or use recycled water until a California Regional Water Quality Control Board either establishes WDRs, WRRs, or Master Permits (collectively, "Permits") or determines that no such Permits are necessary.<sup>1</sup> As the producer of recycled water, the District oversees the production and use of recycled water pursuant to Permits issued by the Regional Board.

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<sup>1</sup> California Water Code § 13524.

## 5. APPLICATION

This Ordinance shall apply to any and all Users to whom the District distributes recycled water, either directly or through an intermediate party, including Purveyors that act as such intermediate parties in delivering recycled water to Users.

## 6. DEFINITIONS

For purposes of this Ordinance, the following definitions shall apply to the following terms:

- a) "**Authorized Recycled Water Use Site**" is a site authorized for use of recycled water; the uses of recycled water and the site location must comply with Permits as issued by the Regional Board.
- b) "**Chief Engineer**" is the Chief Engineer and General Manager of the District.
- c) "**Master Reclamation Permit**" contains requirements established by the Regional Board pursuant to Water Code Section 13523.1.
- d) "**Person**" is any individual, partnership, corporation, governmental subdivision or unit of a governmental subdivision, or public or private organization or entity of any character.
- e) "**Purveyor**" is any public, private, investor-owned, or other water utility that is legally permitted to distribute water and that obtains recycled water from the District for distribution to Users.
- f) "**Recycled water**" is water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur, and is therefore considered a valuable resource.
- g) "**Regulations**" are requirements established by the Chief Engineer that govern the design and construction of recycled water use facilities and the use of recycled water, in accordance with the Uniform Statewide Reclamation Criteria. These may also be called the District's "*Requirements for Recycled Water Users.*"
- h) "**State Water Resources Control Board**" is an agency of the state of California created by the Legislature and exercising its powers pursuant to the Porter-Cologne Water Quality Control Act, Water Code Section 13000 *et seq.*
- i) "**User**" is any person to whom the District distributes recycled water under the Permits issued to the District by the Regional Board, including end users to whom recycled water is conveyed through an intermediate party. User does not include persons who have been independently issued Permits from the Regional Board.
- j) "**User Agreement**" is a contractual agreement between the User and/or Purveyor and the District that establishes the conditions for recycled water service and use.
- k) "**Waste Discharge Requirements**" are requirements that are established by the Regional Board pursuant to Water Code Section 13263.
- l) "**Water Recycling Criteria**" are the criteria established by the DHS generally dealing with the levels of constituents of recycled water, and the means for assurance of reliability under the design concept, which will result in safe recycled water from the standpoint of public health. The criteria are established pursuant to Water Code Section 13521, and are contained in the California Code of Regulations, Title 22, Division 4, Chapter 3; also referred to as the "Uniform Statewide Reclamation Criteria."
- m) "**Water Recycling Requirements**" are requirements that are established by the Regional Board pursuant to Water Code section 13523.

**7. ADMINISTRATION**

The District shall administer this Ordinance so as to comply with the terms and conditions of Permits as issued by the Regional Board.

**8. REQUIREMENTS**

A. A User and/or Purveyor who receives the District's recycled water must comply with the terms of this Ordinance and with the following requirements:

- 1) Water Recycling Criteria, as established by the California Department of Health Services, Title 22, Division 4, Chapter 3 of the California Code of Regulations;
- 2) Requirements, rules, regulations, and/or restrictions established by the California State Water Resources Control Board;
- 3) Requirements, rules, regulations, and/or restrictions established by the Regional Board.
- 4) Permits issued by the Regional Board, which are incorporated herein and made a part hereof, to the extent that they are applicable to persons subject to this Ordinance;
- 5) Requirements, rules, regulations, and/or restrictions, pertaining to the quality of recycled water, adopted by any agency maintaining jurisdiction over any person subject to this Ordinance;
- 6) Regulations adopted by the Chief Engineer pursuant to Section 9 of this Ordinance.

A User and/or Purveyor must keep apprised of any changes to the foregoing requirements. A User and/or Purveyor must conform to any applicable changes to the requirements; a violation thereof is the User's and/or Purveyor's sole responsibility. A violation of any of the foregoing requirements will constitute a violation of this Ordinance.

B. A person seeking to operate a proposed Authorized Recycled Water Use Site ("Authorized Site"), and directly receive the District's recycled water, must comply with the following:

- 1) The person must file an application therefore with the District prior to using the recycled water. Persons who have already executed a User Agreement with the District are exempt from this requirement until such time as the Agreement is amended or revised.
- 2) The person must execute a User Agreement, which includes the District's terms and conditions for use of recycled water at the Authorized Site. Any violation of a User Agreement shall be a violation of this Ordinance and punishable as such. Any Person that has been a User for more than one year prior to the effective date of this Ordinance, and has otherwise been in conformance with all legal requirements and directives of the District, shall be exempt from this subparagraph (2) for a period of one year from said effective date.

A person seeking to operate a proposed Authorized Site, and receive the District's recycled water through a Purveyor, must file an application with the Purveyor prior to any delivery of recycled water. Such application shall not be effective until it has been approved by the District.

**9. ENFORCEMENT**

The Chief Engineer is granted authority to establish Regulations governing the use of recycled water as necessary, which shall be in accordance with existing law.

The Chief Engineer shall administer, implement, and enforce the provisions of this Ordinance. Any powers granted to or duties imposed upon the Chief Engineer may be delegated to persons acting in the beneficial interest of or in the employ of the District.

**10. VIOLATION**

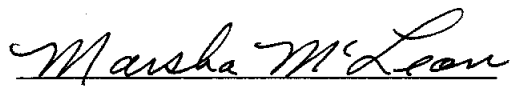
A. Upon a written determination of the Chief Engineer that a violation of this Ordinance has occurred, such action shall constitute a basis for:

- 1) termination of any User Agreement
- 2) immediate cessation of recycled water delivery

B. The Chief Engineer shall adopt notice and hearing procedures to implement this section, which shall be consistent with the rights afforded by due process.

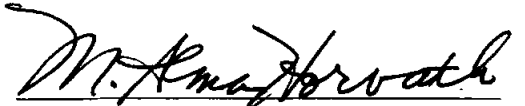
**11. VALIDITY**

If any part, section, subsection, paragraph, sentence, clause, or phrase of this Ordinance is held invalid or unconstitutional for any reason by any court, that decision does not affect the validity or constitutionality of the remainder of this Ordinance. The Board of Directors declares that it would have adopted each provision of this Ordinance irrespective of the validity of any other provision.

  
 Chairperson, Board of Directors  
 Santa Clarita Valley Sanitation District  
 of Los Angeles County

FEB 14 2007

ATTEST:

  
 Clerk, Board of Directors  
 Santa Clarita Valley Sanitation District  
 of Los Angeles County

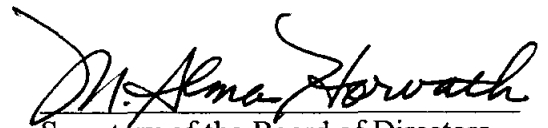
PASSED AND ADOPTED by the Board of Directors of Santa Clarita Valley Sanitation District of Los Angeles County on February 14, 2007 , by the following vote:

AYES: Directors Weste, Yaroslavsky, and McLean

NOES: None

ABSTAIN: None

ABSENT: None

  
Secretary of the Board of Directors  
Santa Clarita Valley Sanitation District  
of Los Angeles County