



# California Regional Water Quality Control Board

## Los Angeles Region



Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

Linda S. Adams  
Agency Secretary

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Arnold Schwarzenegger  
Governor

October 25, 2007

CERTIFIED MAIL NO.: 7002 0860 0004 5295 7267  
RETURN RECEIPT REQUESTED

Mr. Paul Shoenberger, Assistant General Manager  
West Basin Municipal Water District  
17140 S. Avalon Blvd., Ste. 210  
Carson, CA 90746

Dear Mr. Shoenberger:

**COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM AND WASTE DISCHARGE REQUIREMENTS—WEST BASIN MUNICIPAL WATER DISTRICT, WEST BASIN WATER RECYCLING PLANT, 1935 HUGHES WAY, EL SEGUNDO, CALIFORNIA (NPDES NO. CAG674001, CI-9328)**

We have completed our review of your application for a permit to discharge hydrostatic testing water under a General National Pollutant Discharge Elimination System (NPDES).

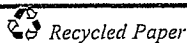
Based on the attached Fact Sheet and other information provided, we have determined that the wastewater discharge meets the conditions to be regulated under Order No. R4-2004-0109, *General National Pollutant Discharge Elimination System and Waste Discharge Requirements for Discharges of Low Threat Hydrostatic Test Water to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties*, adopted by this Board on July 1, 2004.

Enclosed are your Waste Discharge Requirements, which also serve as your NPDES permit, consisting of Order No. R4-2004-0109 and Monitoring and Reporting Program No. CI-9328. Prior to starting discharge, a representative sample of the effluent shall be obtained and analyzed to determine compliance with the discharge limitations. The wastewater flows into the local storm drains tributary to the Santa Monica Bay, therefore, discharge limitations in Attachment B are not applicable to your discharge.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of this permit. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit. When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-9328 NPDES No. CAG674001", which will assure that the reports are directed to the appropriate file and staff. Also, please do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

In order to avoid future annual fees, please submit written notification when the project has been completed and the permit is no longer needed.

*California Environmental Protection Agency*



*Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.*

Mr. Paul Shoenberger  
West Basin Municipal Water District

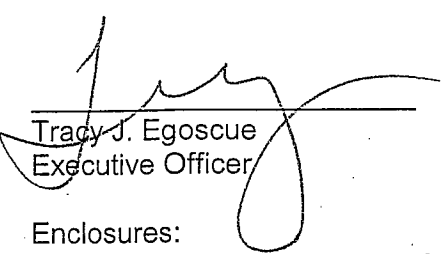
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October 25, 2007

We are sending a copy of Order No. R4-2004-0109 only to the applicant. For those on the mailing list, please refer to the Board Order sent to you previously. A copy of the Order will be furnished to anyone who requests it.

If you have any questions, please contact Gensen Kai at (213) 576-6651.

Sincerely,


  
Tracy J. Egoscue  
Executive Officer

Enclosures:

General NPDES No. CAG674001, Order No. R4-2004-0109  
Fact Sheet  
Monitoring and Reporting Program No. CI-9328

cc: U.S. Environmental Protection Agency, Region 9, Clean Water Act Standards  
and Permits (WTR-5)  
U.S. Army Corps of Engineers  
NOAA, National Marine Fisheries Service  
Philip Isorena, SWRCB, NPDES Unit  
Department of Interior, U.S. Fish and Wildlife Service  
California Department of Fish and Game, Region 5  
California Department of Health Services, Environmental Branch  
Los Angeles County, DPW, Environmental Programs Division  
Los Angeles County, Department of Health Services  
Los Angeles County Sanitation District  
City Manager, City of Carson  
Jae Lim, Tetrattech

***California Environmental Protection Agency***

 Recycled Paper

*Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.*

STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION  
320 West 4<sup>th</sup> Street, Suite 200, Los Angeles, California 90013

**FACT SHEET**  
**WASTE DISCHARGE REQUIREMENTS**  
**FOR**  
**WEST BASIN MUNICIPAL WATER DISTRICT**  
**(RECYCLED WATER DISTRIBUTION PIPELINE PROJECT)**

**NPDES NO. CAG674001**  
**CI-9328**

**FACILITY ADDRESS**

1935 Hughes Way  
El Segundo, California

**FACILITY MAILING ADDRESS**

17140 S. Avalon Blvd., Ste. 210  
Cason, CA 90746

**PROJECT DESCRIPTION:**

West Basin Municipal District (Discharger) plans to construct two recycled water distribution pipelines. One will be in the City of Inglewood with a length of about 3,260 ft. and the other will be in the City of El Segundo about 4,000 ft. long. (See Figures 1 for site locations). The Discharger proposes to conduct hydrostatic testing of the pipelines using potable water. The wastewater from the hydrostatic tests will be discharged to the nearby storm drains.

**VOLUME AND DESCRIPTION OF DISCHARGE:**

Up to 23,000 gallons of hydrostatic test water will be discharged to the nearby storm drains at Latitude: 33° 55' 08", Longitude: 118° 23' 00" for the pipeline in the City of El Segundo and at Latitude: 33° 57' 31", Longitude: 118° 21' 59" for the pipeline in the City of Inglewood. Both pipelines discharge to local storm drains tributary to the Santa Monica Bay, a water of the United States.

**APPLICABLE EFFLUENT LIMITATIONS**

Based on the information provided in the NPDES Application Supplemental Requirements, the following constituents listed in the Table below have been determined to show reasonable potential to exist in the discharge. The discharge flows into the Santa Monica Bay, which is not designated as MUN beneficial use. Therefore, the discharge limitations under "Other Waters" column apply to the discharge.

This Table lists the specific constituents and effluent limitations applicable to the discharge.

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD <sub>5</sub> 20°C	mg/L	30	20
Oil and Grease	mg/L	15	10
Settleable Solids	ml/L	0.3	0.1
Total Residual Chlorine	mg/L	0.1	N/A

**FREQUENCY OF DISCHARGE:**

Discharge from the hydrostatic testing of the pipelines will be intermittent.

**REUSE OF WATER:**

Reuse of water at the facility for irrigation and dust control were evaluated. Due to short duration of the discharge and the inability to reuse the testing water economically, the wastewater will be discharged to the storm drain.



Figure 1. Site Locations

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

MONITORING AND REPORTING PROGRAM NO. CI-9328  
FOR  
WEST BASIN MUNICIPAL WATER DISTRICT  
(RECYCLED WATER DISTRIBUTION PIPELINE PROJECT)

(NPDES NO. CAG674001, SERIES NO. 024)

I. REPORTING REQUIREMENTS

- A. The discharger shall implement this monitoring program on the effective date of this permit. The discharger shall submit monitoring reports to the Regional Board 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

- B. The first monitoring report under this Program is due by February 15, 2008. The annual summary report, shall contain a discussion of the previous year's effluent monitoring data, as well as graphical and tabular summaries of the data. If there is no discharge during any reporting period, the report shall so state.
- C. All monitoring reports shall include the discharge limitations in the Order, tabulated analytical data, the chain of custody form, and the laboratory report (including but not limited to date and time of sampling, date of analyses, method of analysis and detection limits).
- D. Each monitoring report shall contain a separate section titled "Summary of Non-compliance" which discusses the compliance record and corrective actions taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements. This section shall clearly list all non-compliance with waste discharge requirements, as well as all excursions of effluent limitations.
- E. Before commencing a new discharge, a representative sample of the effluent shall be obtain and analyzed for toxicity, and for all the constituents listed in E.1 and Attachment B of Order No. R4-2004-0109, and test results must meet all applicable discharge limitations.

II. SAMPLE COLLECTION REQUIREMENTS (AS APPROPRIATE)

- A. Daily samples shall be collected each day.
- B. Weekly samples shall be collected on a representative day of each week.
- C. Monthly samples shall be collected on a representative day of each month.
- D. Quarterly samples shall be collected in February, May, August, and November.
- E. Semi-annual samples shall be collected in May and November.
- F. Annual samples shall be collected in November.
- G. Once per discharge event sampling shall be collected at the beginning of the discharge.

III. EFFLUENT MONITORING REQUIREMENTS

- A. Sampling station(s) shall be established at the discharge point and shall be located where representative samples of the effluent can be obtained. Provisions shall be made to enable visual inspections before discharge. In the event of presence of oil sheen, debris, and/or other objectionable materials or odors, discharge shall not commence until compliance with the requirements is demonstrated. All visual observations shall be included in the monitoring report.
- B. If any constituent exceeds the limit in Order R4-2004-0109 during any monitoring event, the discharge shall be terminated and shall only be resumed after remedial measures have been implemented and full compliance with the requirements has been ascertained.
- C. In addition, as applicable, following an effluent limit exceedance, the discharger shall implement the following accelerated monitoring program:
  - 1. Monthly monitoring shall be increased to weekly monitoring,
  - 2. Quarterly monitoring shall be increased to monthly monitoring,
  - 3. Semi-annually monitoring shall be increased to quarterly, and
  - 4. Annually monitoring shall be increased to semi-annually.

If three consecutive accelerated monitoring events show full compliance with effluent limits, the discharger may return to the regular monitoring frequency, with the approval of the Executive Officer of the Regional Board.

D. The following shall constitute the discharge monitoring program:

Constituent	Unit	Sample Type	Minimum Frequency of Analysis
Flow	gal/day	totalizer	Continuously*
pH	pH units	grab	once per discharge event
Total Suspended Solids	mg/L	grab	once per discharge event
Turbidity	NTU	grab	once per discharge event
BOD <sub>5</sub> 20°C	mg/L	grab	once per discharge event
Oil and Grease	mg/L	grab	once per discharge event
Settleable Solids	ml/L	grab	once per discharge event
Total Residual Chlorine	mg/L	grab	once per discharge event
Acute Toxicity	% survival	grab	annually

\* Record the monthly total flow and report the calculated daily average flow and monthly flow in the quarterly and annual reports, as appropriate.

#### IV. EFFLUENT TOXICITY TESTING

- A. The discharger shall conduct acute toxicity testing tests on 100% effluent grab samples by methods specified in 40 CFR Part 136 which cites USEPA's *Methods for Measuring the Acute Toxicity of Effluents and Receiving Water to Freshwater and Marine Organisms*, October 2002, (EPA/821-R-02-012) or a more recent edition. Submission of bioassay results should include the information noted on pages 109-113 of the EPA/821-R-02-012 document.
- B. The fathead minnow, *Pimephales promelas*, shall be used as the test species for fresh water discharges and the topsmelt, *Atherinops affinis*, shall be used as the test species for brackish discharges. The method for topsmelt is found in USEPA's *Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine and Estuarine Organisms, First Edition, August 1995, (EPA/600/R-95-136)*.
- C. If the results of the toxicity test yield a survival of less than 90%, then the frequency of analyses shall increase to monthly until at least three test results have been obtained and full compliance with effluent limitations has been demonstrated, after which the frequency of analyses shall revert to annually. Results of toxicity tests shall be included in the first monitoring report following sampling.

#### V. GENERAL PROVISIONS FOR REPORTING

- A. The discharger shall inform this Regional Board 24 hours before the start of the discharge.



- B. All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental Laboratory Accreditation Program (ELAP) or approved by the Executive Officer. A copy of the laboratory certification shall be provided with the first monitoring report and each time a new certification and/or renewal is obtained from ELAP.
- C. Samples must be analyzed within allowable holding time limits as specified in 40 CFR Part 136.3. Proper chain of custody procedures must be followed and a copy shall be submitted with the report.
- D. The monitoring report shall specify the USEPA analytical method used, the Method Detection Limit (MDL) and the Minimum Level (ML<sup>1</sup>) for each pollutant. For the purpose of reporting compliance with numerical limitations, performance goals, and receiving water limitations, analytical data shall be reported with one of the following methods, as the case may be:
  - 1. An actual numerical value for sample results greater than or equal to the ML; or
  - 2. "Detected, but Not Quantified (DNQ)" if results are greater than or equal to the laboratory's MDL but less than the ML. The estimated<sup>2</sup> chemical concentration of the sample shall also be reported; or
  - 3. "Not-Detected (ND)" for sample results less than the laboratory's MDL with the MDL indicated for the analytical method used.

The ML employed for an effluent analysis shall be lower than the permit limit established for a given parameter, unless the Discharger can demonstrate that a particular ML is not attainable and obtains approval for a higher ML from the Executive Officer. At least once a year, the Discharger shall submit a list of the analytical methods employed for each test and the associated laboratory quality assurance/quality control procedures.

## VI. NOTIFICATION

- A. The discharger shall notify the Executive Officer in writing prior to discharge of any chemical which may be toxic to aquatic life. Such notification shall include:
  - 1. Name and general composition of the chemical,
  - 2. Frequency of use,
  - 3. Quantities to be used,
  - 4. Proposed discharge concentrations and,
  - 5. EPA registration number, if applicable.

<sup>1</sup> The minimum levels are those published by the State Water Resources Control Board in the *Policy for the Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California*, March 2, 2000, see attached Appendix A.

<sup>2</sup> Estimated chemical concentration is the estimated chemical concentration that results from the confirmed detection of the substance by the analytical method below the ML value.

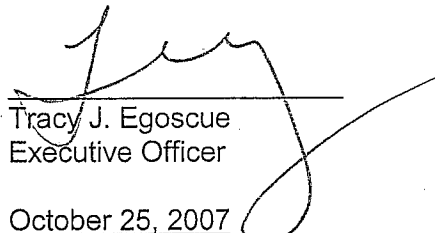
No discharge of such chemical shall be made prior to obtaining the Executive Officer's approval.

- B. The discharger shall notify the Regional Board via telephone and/or fax within 24 hours of noticing an exceedance above the effluent limits in Order No. R4-2004-0109. The discharger shall provide to the Regional Board within 14 days of observing the exceedance a detailed statement of the actions undertaken or proposed that will bring the discharge into full compliance with the requirements and submit a timetable for correction.

VII. MONITORING FREQUENCIES

Monitoring frequencies may be adjusted by the Executive Officer to a less frequent basis if the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

Ordered by:

  
\_\_\_\_\_  
Tracy J. Egoscue  
Executive Officer

Date:

October 25, 2007