California Regional Water Quality Control Board
Santa Ana Region

June 29, 2007

STAFF REPORT

ITEM: **7**

SUBJECT: Amendment to Order No. R8-2006-0010, NPDES No. CA0105279, Waste Discharge and Producer/User Water Reclamation Requirements for the Inland Empire Utilities Agency Regional Water Recycling Plants No. 1 & No. 4 - Order No. R8-2007-0045

I. DISCUSSION:

On April 15, 2005, the Regional Water Quality Control Board (the Regional Board) adopted Order No. R8-2005-0033, prescribing Water Recycling Requirements for the Inland Empire Utilities Agency and Chino Basin Watermaster's Phase I Chino Basin Recycled Water Groundwater Recharge Project. The Project entails use of recycled water generated from the Inland Empire Utilities Agency's (IEUA) Regional Water Recycling Plants No. 1 and 4. Order No. R8-2005-0033 included source control requirements to implement conditions identified by the California Department of Health Services (CDHS) for approval of the Recharge Project. Order No. R8-2005-0033 also included a provision that specified that these source control requirements would become ineffective if and when waste discharge requirements for IEUA's RP-1 and RP-4 were revised to incorporate them. The source control requirements are more properly included in waste discharge requirements for RP-1 and RP-4 since the requirements already include pretreatment requirements, pursuant to the Code of Federal Regulations Title 40 Part 403.

On May 19, 2006, the Regional Board adopted Order No. R8-2006-0010, NPDES No. CA0105279, Waste Discharge and Producer/User Water Reclamation Requirements for the Inland Empire Utilities Agency Regional Water Recyling Plants No. 1 & No. 4 (RP-1 & RP-4). Order No. R8-2006-0010 superceded Order No. 01-01, the prior Order that regulated discharges from RP-1 & RP-4. Inadvertently, Order No. R8-2006-0010 did not include the source control requirements recommended by CDHS and incorporated in Order No. R8--2005-0033.

On May 10, 2007, IEUA requested that Order No. R8-2005-0033 be revised to include the Phase II Project of the Chino Basin Recycled Water Groundwater Recharge Program. During the review process for drafting the revised Order, it was determined that IEUA's Waste Discharge Requirements Order No. R8-2006-0010 should also be amended to incorporate the source control requirements that CHDS recommended and thereby consolidate all pretreatment-related requirements.

II. Proposed changes to the Order.

Additions are bold and highlighted.

1. Order No. R8-2006-0010, Section VI.C.5.c. Provisions, page 27, add the following new paragraph No. 11:

   11. The Discharger shall operate the wastewater collection system under a comprehensive industrial pretreatment and pollutant control program for the control of discharge of toxic wastes from point sources. If the California Department of Health Services identifies any contaminants that may pose a risk of contamination to a drinking water supply, it may designate those contaminants for inclusion in the pretreatment and source control program requirements for IEUA to minimize the possibility that the influent wastewater to RP-1 and RP-4 will be contaminated with such toxic chemicals. The source control program shall include:

   a. An assessment of the fate of the specified contaminant compounds through the wastewater and recycled water treatment systems.
   b. A source investigation and monitoring program focused on the specified contaminants.
   c. An outreach program to industrial, commercial and residential communities within the sewage collection agency's service area to manage and minimize the discharge of compounds of concern at the source.
   d. A proactive program for maintaining an inventory of compounds discharged into the wastewater collection system so that new compounds of concern can be evaluated rapidly.

II. WRITTEN COMMENTS

Interested persons are invited to submit written comments on the proposed discharge limits and the staff report. Comments should be submitted by June 8, 2007, either in person or by mail to:

Jane Qiu
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, CA 92501-3348

III. INFORMATION AND COPYING

Persons wishing further information may write to the above address or call Jane Qiu of the Regional Board at (951) 320-2008. Copies of the application, proposed waste discharge requirements, Fact Sheet, and other documents (other than those which the Executive Officer maintains as confidential) are available at the Regional Board office for inspection and copying between the hours of 9:00 a.m. and 3:00 p.m., Monday through Friday (excluding holidays).

IV. REGISTER OF INTERESTED PERSONS:

Any person interested in a particular application or group of applications may leave his/her name, address, and phone number as part of the file for an application.

V. PUBLIC HEARING:

The Regional Board will hold a public hearing regarding the proposed waste discharge requirements as follows:

DATE:	June 29, 2007
TIME:	9:00 a.m.
PLACE:	City Council Chambers of Loma Linda 25541 Barton Road City of Loma Linda, California

RECOMMENDATION:

Adopt Order No. R8-2007-0045, amending Order No. R8-2006-0010, NPDES No. CA0105279, as presented.

Comments were solicited from the following agencies:

U.S. Environmental Protection Agency, Permits Issuance Section (WTR-5) – Doug Eberhardt
U.S. Army District, Los Angeles, Corps of Engineers - Regulatory Branch
U.S. Fish and Wildlife Service, Carlsbad
State Water Resources Control Board, Office of the Chief Counsel – Erik Spiess
State Water Resources Control Board, Division of Financial Assistance
State Department of Water Resources - Glendale
California Department of Health Services, Fresno - Cindy Forbes
California Department of Health Services, San Bernardino – Heather Collins/Sean McCarthy
State Department of Fish and Game - Ontario
Orange County Water District – Nira Yamachika
San Bernardino County Department of Environmental Health Services – Dan Avera
San Bernardino County Flood Control and Transportation Department - Naresh Varma
Chino Basin Watermaster
Chino Basin Water Conservation District
City of Fontana – City Manager
City of Chino - Public Works Department, Engineering Division – Jim Hill
City of Chino Hills, Public Works Department
City of Fontana, Curtis Aaron
City of Ontario, Cari Dale
City of Montclair, Mike Hudson
Cucamonga Valley Water District, Terence Worsham
Santa Ana River Discharger's Association
Santa Ana Watershed Project Authority – Celeste Cantu
Orange County Coastkeeper – Garry Brown
Inland Empire Waterkeeper – Mandy Revell
Lawyers for Clean Water C/c San Francisco Baykeeper
Natural Resources Defense Council- David Beckman
Lawyers for Clean Water C/c San Francisco Baykeeper

California Regional Water Quality Control Board
Santa Ana Region

ORDER NO. R8-2007-0045
Amending Order No. R8-2006-0010, NPDES No. CA0105279
Waste Discharge and Producer/User Reclamation Requirements

for

Inland Empire Utilities Agency
Regional Water Recycling Plants No. 1 & No. 4
San Bernardino County

The California Regional Water Quality Control Board, Santa Ana Region (hereinafter, Board), finds that:

1. On May 19, 2006, the Regional Water Quality Control Board (the Regional Board) adopted Order No. R8-2006-0010, NPDES No. CA0105279, prescribing Waste Discharge and Producer/User Water Reclamation Requirements for the discharge of tertiary treated and disinfected wastewater from Inland Empire Utilities Agency's (IEUA) Regional Water Recycling Plants No. 1 and No. 4 to tributaries of Reach 3 of the Santa Ana River. Order No. R8-2006-0010 included pretreatment requirements that implement Title 40 Part 403 of the Code of Federal Regulations for controlling pollutants which pass through or interfere with the treatment process in publicly owned treatment works or which may contaminate sewage sludge.

2. On April 15, 2005, the Regional Board adopted Order No. R8-2005-0033, prescribing Water Recycling Requirements for the use of recycled water generated from IEUA Regional Water Recycling Plants No. 1 and 4 (RP-1 & RP-4) for the Phase 1, Chino Basin Recycled Water Groundwater Recharge Project. Order No. R8-2005-0033 included source control requirements that were recommended by the California Department of Health Services (CDHS) to minimize the possibility of the presence of toxic chemicals in the influent stream to RP-1 & RP-4. The inclusion of these source control requirements into the pretreatment requirements of Order No. R8-2006-0010 was inadvertently omitted.

3. On April 27, 2007, CDHS issued the Findings of Fact and Conditions for IEUA's Phase 2 Chino Basin Recycled Water Groundwater Recharge Project. The same source control provisions identified for approval of the Phase 1 Project were included in the conditions for granting approval for the Phase 2 project.

4. It is appropriate to amend Order No. R8-2006-0010 to include the source control provisions recommended by the CDHS in granting approval for both the Phase 1 and Phase 2 Chino Basin Recycled Water Groundwater Recharge Project.

5. In accordance with Water Code Section 13389, issuance of the waste discharge requirements for this discharge is exempt from those provisions of the California Environmental Quality Act contained in Chapter 3 (commencing with Section 21100), Division 13 of the Public Resources Code. The Program Environmental Impact Report (EIR) for the Recycled Water Feasibility Study was certified and approved by the IEUA Board of Directors on June 28, 2002.

6. The Board has notified the discharger and other interested agencies and persons of its intent to amend waste discharge requirements for the discharge and has provided them with an opportunity to submit their written views and recommendations.

7. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that Order No. R8-2006-0010 be amended as follows:

1. Order No. R8-2006-0010, Section VI.C.5.c. Provisions, page 27, add the following new paragraph No. 11:

    11. The Discharger shall operate the wastewater collection system under a comprehensive industrial pretreatment and pollutant control program for the control of discharge of toxic wastes from point sources. If the California Department of Health Services identifies any contaminants that may pose a risk of contamination to a drinking water supply, it may designate those contaminants for inclusion in the pretreatment and source control program requirements for IEUA to minimize the possibility that the influent wastewater to RP-1 and RP-4 will be contaminated with such toxic chemicals. The source control program shall include:

        a. An assessment of the fate of the specified contaminant compounds through the wastewater and recycled water treatment systems.
        b. A source investigation and monitoring program focused on the specified contaminants.
        c. An outreach program to industrial, commercial and residential communities within the sewage collection agency's service area to manage and minimize the discharge of compounds of concern at the source.
        d. A proactive program for maintaining an inventory of compounds discharged into the wastewater collection system so that new compounds of concern can be evaluated rapidly.

2. All other conditions and requirements of Order No. R8-2006-0010 shall remain unchanged.

I, Gerard J. Thibeault, Executive Officer, do hereby certify that the forgoing is a full, true, and correct copy of an order adopted by the California Regional Water Quality Control Board, Santa Ana Region, on June 29, 2007.

Gerard J. Thibeault
Executive Officer