

State of California  
Regional Water Quality Control Board  
San Diego Region

EXECUTIVE OFFICER SUMMARY REPORT  
October 11, 2006

ITEM:

SUBJECT: Revision of Waste Discharge Requirements: Eastern Municipal Water District, Temecula Valley RWRf, Riverside County (tentative Addendum No. 3 to Order No. 2000-165) *(Charles Cheng)*

PURPOSE: To consider adoption of tentative Addendum No. 3 to Order No. 2000-165, which would revise the Discharge Specifications for the facility from a 30-day average dry weather flow rate of 15 million gallon per day (MGD) to a monthly average of 18 MGD from May through September, and 19.8 MGD from October through April.

PUBLIC NOTICE: The Agenda for the October 11, 2006 Regional Board meeting was mailed to persons on the agenda mailing list on September 15, 2006 and a copy of the tentative Addendum No. 3 to Order No. 2000-165 was sent to the discharger (via certified mail) and all interested parties on September 14, 2006 and was made available on the Regional Board's web site and at its office for review thereafter (Attachment 2).

DISCUSSION: Eastern Municipal Water District (EMWD) discharges up to 15 MGD of tertiary treated wastewater from the Temecula Valley Regional Water Reclamation Facility (TVRWRf) to various locations within the Santa Margarita Hydrologic Area. The EMWD is subject to waste discharge requirements contained in Order No. 2000-165, "*Waste Discharge Requirements For Eastern Municipal Water District Temecula Valley Regional Water Reclamation Facility Riverside County*", as amended.

EMWD submitted a technical report entitled "*Application for Report of Waste Discharge, Temecula Valley RWRf Expansion to 18 MGD*"; requesting authorization to increase the discharge from the facility to 18 MGD during the dry weather period, and 19.8 MGD during the wet weather period (Attachment 3).

Additional facilities at the TVRWRF that provide additional flow capacity include three primary clarifiers, one aeration basin, two secondary clarifiers, one anaerobic digester, one sludge holding tank, four cloth disk filters, and two chlorine contact tanks. Any excess tertiary treated effluent from TVRWRF that cannot be percolated, evaporated, or recycled is discharged into the Temescal Creek, a stream outside of the San Diego Region, under waste discharge requirement Order No. R8-2004-0065, NPDES No. CA8000188 adopted by the Santa Ana Regional Water Quality Control Board.

If adopted, tentative Addendum No.3 to Order No. 2000-165 would allow TVRWRF to discharge up to 18 MGD monthly average daily effluent flow from May through September, and 19.8 MGD from October through April.

Pursuant to the California Environmental Quality Act, in January 2004, EMWD submitted a Final Mitigated Negative Declaration and Initial Study & Mitigation Monitoring Program for TVRWRF's expansion to 18 MGD. The project as approved by EMWD will not have a significant impact on the environment. Issuance of this addendum is in compliance with the California Environmental Quality Act.

The Santa Ana Regional Water Quality Control Board has been provided a copy of the tentative Addendum.

To date, no comments have been received on the tentative Addendum.

KEY ISSUES:

1. The expanded TVRWRF is capable of treating up to 19.8 MGD wet weather average daily flow of tertiary treated wastewater as certified by the *"Application for Report of Waste Discharge, Temecula Valley RWRf Expansion to 18 MGD"*:
2. EMWD has adequate storage capacity for the maximum reuse of tertiary treated effluent, and can discharge extra tertiary treated effluent to the Temescal Creek in the Santa Ana Region during wet seasons.

LEGAL CONCERNS:

None.

COMPLIANCE RECORD:

In the past, there have been manganese and iron effluent limit and flow rate violations. With the expansion of the

facility and the adoption of this Addendum, potential near future flow rate violations will be eliminated.

SUPPORTING DOCS:

- 1) Maps showing the location of the treatment facility.
- 2) Tentative Addendum No.3 to Order No. 2000-165, with transmittal letter.
- 3) EMWD letter dated June 14, 2005.

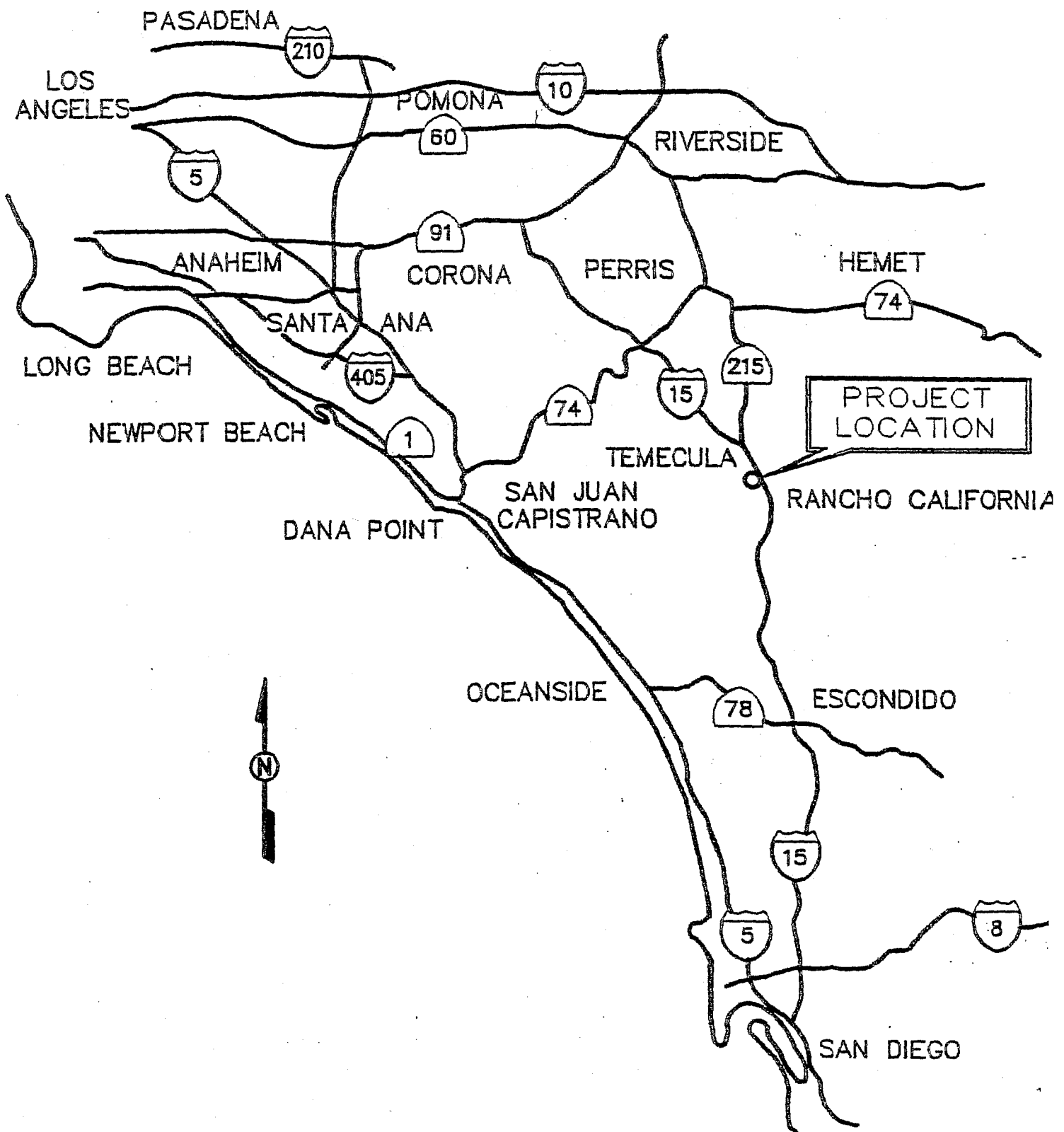
SIGNIFICANT CHANGES: None.

RECOMMENDATION:

Adoption of tentative Addendum No.3 to Order No. 2000-165 is recommended.

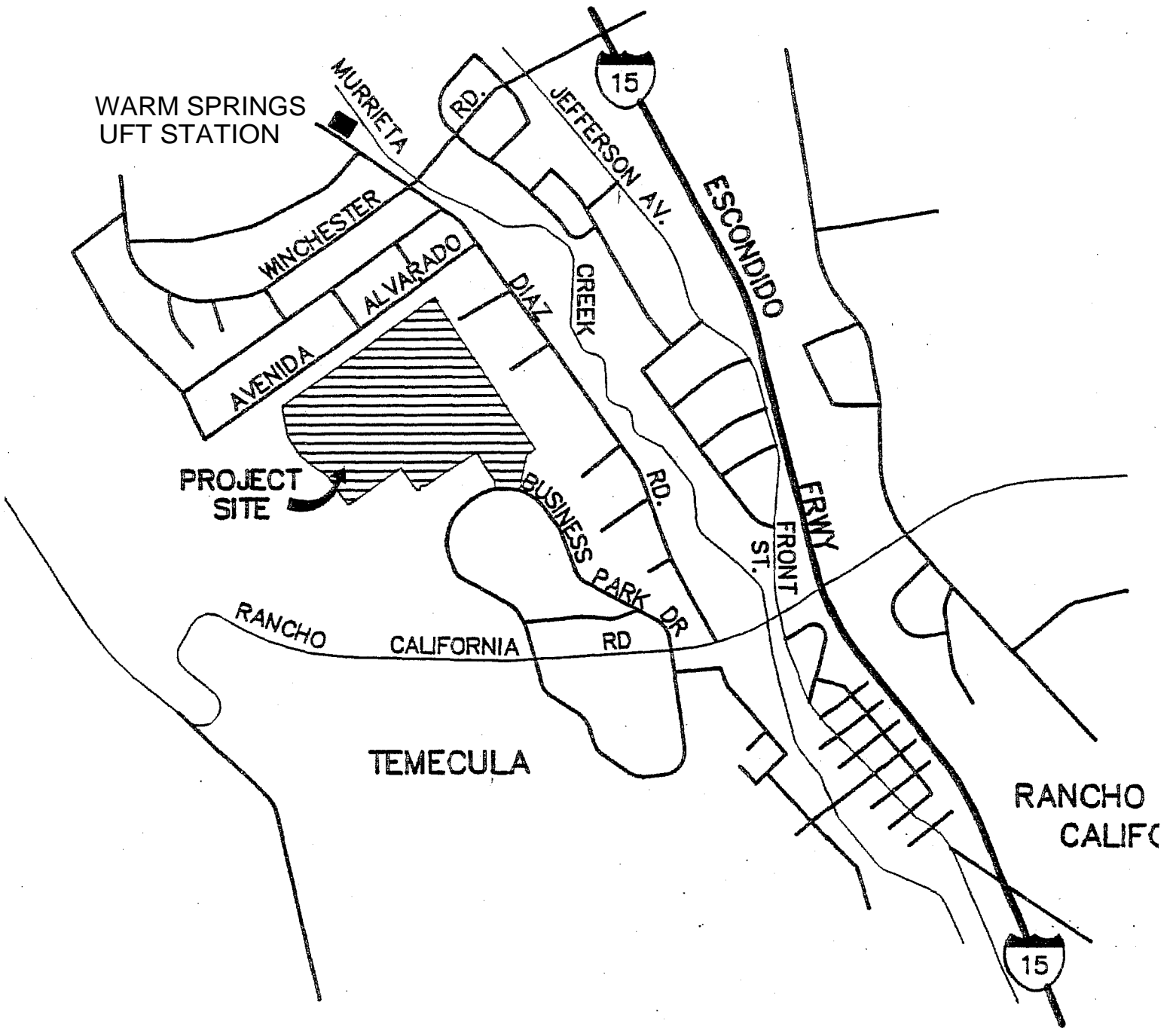
## ATTACHEMENT 1

Map Showing the Location of the Facility



**VICINITY MAP**

Figure 1



ADDRESS AND MAIN ENTRANCE  
42565 AVE IDA ALVARADO  
TEMECULA, CALIFORNIA

## ATTACHEMENT 2

Tentative Addendum No.3 to Order No. 2000-165  
with Transmittal Letter

# N, California Regional Water Quality Control Board San Diego Region

Linda S. Adams  
Secretary for  
Environmental Protection

Over 50 Years Serving San Diego, Orange, and Riverside Counties  
Recipient of the 2004 Environmental Award for Outstanding Achievement from USEPA



Arnold Schwarzenegger  
Governor

9174 Sky Park Court, Suite 100, San Diego, California 92123-4353  
(858) 467-2952 - Fax (858) 571-6972  
<http://www.waterboards.ca.gov/sandiego>

September 14, 2006

**CERTIFIED - REGISTERED MAIL**  
7006 0100 0002 8367 7021

Mr. Anthony J. Pack, General Manager  
Eastern Municipal Water District  
P.O. Box 8300  
Perris, CA 92572-8300

In reply refer to:  
NCR:01-006.01:ccheng

Dear Mr. Pack:

## **TENTATIVE ADDENDUM NO. 3 TO ORDER NO. 2000-165, EASTERN MUNICIPAL WATER DISTRICT, TEMECULA VALLEY REGIONAL WATER RECLAMATION FACILITY, RIVERSIDE COUNTY**

Enclosed is a copy of Tentative Addendum No. 3 to Order No. 2000-165, which staff intends to present to the Regional Board for adoption at the Regional Board meeting scheduled for October 11, 2006. The meeting will begin promptly at 9:00 am and will be held at the following location:

Rancho California Water District  
District Board Room  
42135 Winchester Road  
Temecula, California

If adopted, tentative Addendum No 3 to Order No. 2000-165 would allow the Temecula Valley Regional Water Reclamation Facility (TVRWRP) to discharge up to 19.8 MGD monthly average wet weather flow of tertiary treated wastewater based on the technical report entitled "*Application for Report of Waste Discharge, Temecula Valley RWRP Expansion to 18 MGD*".

Please review and comment on the tentative Addendum at your earliest convenience. The Regional Board requests that all comments be submitted in writing in advance of the meeting date. To ensure that the Regional Board has the opportunity to fully study and consider written material, it should be received no later than 5:00 P.M. on Wednesday, October 4, 2006. Per Regional Board directive, written material submitted to the Regional Board office after the submittal deadline date will not be provided to the Regional Board.



If you have any questions regarding the above, please contact Mr. Charles Cheng at (858) 627-3930, or via email at [ccheng@waterboards.ca.gov](mailto:ccheng@waterboards.ca.gov).

The heading portion of this letter includes a Regional Board code number noted after "In reply refer to:" In order to assist us in the processing of your correspondence please include this code number in the heading or subject line portion of all correspondence and reports to the Regional Board pertaining to this matter.

Respectfully,



MICHAEL P. N1cCA;NN  
Supervising Engineer

Enclosure: Tentative Addendum No 3. to Order No. 2000-165

File: transmittal ltr 2000-165add3 tentative.doc

Steven Williams, Department of Health Services, Southern California Drinking Water Field Operations Branch, 1350 Front St., Room 2050, San Diego, CA 92101

Jim Gillis, Environmental Health Department, County of Riverside, P.O. Box 1206, Riverside, CA 92502

Gerald J. Thibeault, Executive Officer, Santa Ana Regional Water Quality Control Board, 3737 Main Street, Suite 500, Riverside, CA 92501-3339

Brian Brady, General Manager, Rancho California Water District, 42135 Winchester Road, Temecula, CA 92589-9017

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN DIEGO REGION**

**TENTATIVE ADDENDUM NO. 3  
TO  
ORDER NO. 2000-165**

**AN ADDENDUM INCREASING THE FLOW LIMIT FOR  
EASTERN MUNICIPAL WATER DISTRICT  
TEMECULA VALLEY REGIONAL WATER RECLAMATION FACILITY  
RIVERSIDE COUNTY**

The California Regional Water Quality Control Board, San Diego Region (hereinafter Regional Board), finds that:

1. Order No. 2000-165, "*Waste Discharge Requirements For Eastern Municipal Water District Temecula Valley Regional Water Reclamation Facility Riverside County*", as amended, regulates the discharge of up to 15.0 million gallons per day (MGD), of tertiary treated wastewater from the Temecula Valley Regional Water Reclamation Facility (TVRWRF).
2. Eastern Municipal Water District (EMWD) has submitted a technical report entitled "*Application for Report of Waste Discharge, Temecula Valley RWRF Expansion to 18 MGD*"; requesting authorization to increase the discharge from the facility to 18.0 MGD during the dry weather period, and 19.8 MGD during the wet weather period.
3. Additional facilities that provide additional flow capacity at the TVRWRF include three primary clarifiers, one aeration basin, two secondary clarifiers, one anaerobic digester, one sludge holding tank, four cloth disk filters, and two chlorine contact tanks.
4. Adequate storage capacity will be provided by EMWD for the increased flow with an existing 25 million gallon (MG) on-site storage pond and the 450 MG Winchester Storage Pond supplemented by EMWD's capability to move recycled water to other networked storage facilities, such as the 192 MG Sun City RWRF, the 267 MG Perris Valley RWRF, and the 287 MG Trumble Road Storage Facility as well as EMWD's plans to add additional 50 MG storage capacity at TVRWRF, 155 MG storage capacity at Winchester Ponds, and 77 MG storage capacity at the Sun City RWRF.
5. Excess tertiary treated effluent from TVRWRF that cannot be percolated, evaporated, or recycled is discharged into the Temescal Creek under waste discharge requirement Order No. R8-2004-0065, NPDES No. CA8000188 adopted by the Santa Ana Regional Water Quality Control Board on November 2, 2004.

6. Pursuant to the California Environmental Quality Act, in January 2004, EMWD submitted a Final Mitigated Negative Declaration and Initial Study & Mitigation Monitoring Program for TVRWRF's expansion to 18.0 MGD. The project as approved by EMWD will not have a significant impact on the environment. Issuance of this addendum is in compliance with the California Environmental Quality Act.
7. The Regional Board has notified EMWD and all known interested parties of its intent to modify Order No. 2000-165.
8. The Regional Board has, at a public meeting, heard and considered all comments pertaining to this addendum to Order No. 2000-165.

**IT IS HEREBY ORDERED** that:

1. Discharge Specifications B.1 of Order No. 2000-165 is revised to state the following:

The monthly average of daily effluent discharge flow rates from the Temecula Valley Regional Water Reclamation Facility shall not exceed 18.0 million gallons per day (MGD) from May through September, and shall not exceed 19.8 MGD from October through April.

2. Discharge Specifications B.2 of Order No. 2000-165 is revised to state the following:

The monthly average of daily effluent discharge flow rates from the Temecula Valley Regional Water Reclamation Facility shall not exceed 15.0 MGD unless:

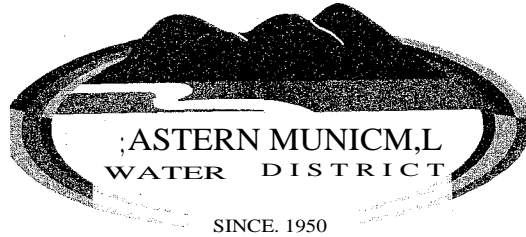
- a. The Title 22 engineering report for the expansion to be submitted by the discharger pursuant to Facility Design and Operation Specification F.3 of this Order, has been accepted as complete by the Regional Board and the State Department of Health Services;
- b. The Regional Board has been notified by the discharger that the expansion of the waste water treatment and disposal facility has been completely constructed and is fully operable, and that the completed facility has adequate capacity for the full design flow;
- c. An inspection of the expanded facility has been completed by the Regional Board; and
- d. The Regional Board has notified the discharger by letter that a discharge in excess of 15.0 MGD may be initiated.

I, John H. Robertus, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Diego Region, on October 11, 2006.

TENTATIVE  
JOHN H. ROBERTUS  
Executive Officer

## ATTACHEMENT 3

EMWD Letter Dated June 14, 2005



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*District of So. Calif.*

Randy A. Record

*Treasurer*

Joseph J. Kuebler, CPA

*Legal Counsel*

Redwine and Sherrill

June 14, 2005

Mr. John Robertus  
California Regional Water Quality Control Board  
San Diego Region  
9174 Sky Park court, Suite 100  
San Diego, CA 92123-4340

Dear Mr. Robertus:

**Subject: Submittal of Permit Application for  
Report of Waste Discharge**

Attached please find the Permit Application for Report of Waste Discharge for the expansion of Eastern Municipal Water District's Temecula Valley Regional Water Reclamation Facility (TVRWRF). The permit application includes a request for an interim expansion to a 14.0 MGD 30-day average dry weather flow (ADWF) and a second expansion to 19.8 MGD 30-day ADWF. The facility is currently permitted for a 13.2 MGD 30-day ADWF.

If you have any questions, please feel free to call me at (951) 928-3777, extension 6241, or by e-mail at [joyj@emwd.org](mailto:joyj@emwd.org).

Sincerely,

Anthony J. Pack  
General Manager

-Enclosure

REGIONAL  
WATER QUALITY  
CONTROL BOARD