

Santa Ana Regional Water Quality Control Board

# UPDATE TO THE AGENDA

Regional Board Meeting of  
Friday, October 30, 2015

(Prepared: 10-29-15)

The following item has been removed from the calendar:

Item: *7	<b><u>Waste Discharge Requirements for Regent Ramona Creek, LLC, Ramona Creek Development Project (Tract Map No. 36510), City of Hemet, Riverside County – Order No. R8-2015-0032</u></b>
	This item has been postponed to a future Board Meeting.

Item No. \*6

October 30, 2015

**ERRATA SHEET**

**CHANGES TO ORDER NO. R8-2015-0027  
NPDES NO. CA0105619**

**WASTE DISCHARGE REQUIREMENTS AND MASTER RECLAMATION PERMIT  
FOR THE  
YUCAIPA VALLEY WATER DISTRICT  
HENRY N. WOCHHOLZ REGIONAL WATER RECYCLING FACILITY  
SAN BERNARDINO COUNTY**

(Language deleted is ~~struck through~~)

(Language added is **bold and shaded**)

A. Based on the October 22, 2015 and October 23, 2015 e-mails and supporting documentation submitted by the Yucaipa Valley Water District (attached), staff recommends the following modifications:

1. Order No. R8-2015-0027, page 7 of 28 – Modify the first paragraph of section IV.A.1.d as follows:

For flows up to 1.6<sup>1</sup> million gallons per day (MGD), the annual volume- weighted average TDS concentration of the discharge shall not exceed 400 mg/L. ~~The Discharger is obligated to maintain 1.6 mgd annual average discharge to the Creek to support existing riparian habitat (State Board Order No. WW-26).~~ The Discharger shall notify the Regional Board when the habitat monitoring program adaptive management action levels are triggered that require discharge in excess of 1.6 mgd **MGD** annual average.

2. Order No. R8-2015-0027, page 8 of 28 – Modify the first paragraph of section IV.A.1.e as follows:

For flows up to 1.6 MGD, the annual volume weighted average TIN concentration of the discharge shall not exceed 6.7 mg/L. ~~The Discharger is obligated to maintain 1.6 mgd annual average discharge to the Creek to support existing riparian habitat (State Board Order No. WW-26).~~ The Discharger shall notify the Regional Board when the habitat monitoring

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<sup>1</sup> A baseline annual average of 1.6 mgd will be released as part of adaptive management activities pursuant to the Habitat Monitoring Program for San Timoteo Creek, Yucaipa Valley Water District, Dudek & Associates, October 2005.

program adaptive management action levels are triggered that require discharge in excess of the 1.6 mgd **MGD** annual average.

3. Order No. R8-2015-0027, Attachment F – Fact Sheet, page F-6 - Modify the second and third paragraphs of section II.B.1 as follows:

The Discharger is obligated to maintain **release an annual average of 1.6 mgd MGD** discharge to the Creek to support existing riparian habitat (~~State Board Order No. WW-26~~) **(Habitat Monitoring Program for San Timoteo Creek, Yucaipa Valley Water District, Dudek & Associates , October 2005)** The Discharger may fulfill this obligation by using either groundwater or imported State Project Water.

The Discharger is implementing a habitat monitoring program that identifies conditions that may require discharges to the Creek ~~beyond the 1.6 mgd annual average~~. The Discharger is required to notify the Regional Board when adaptive management measures are triggered that requires release in excess of the 1.6 mgd annual average. Discharges into San Timoteo Creek consistent with the habitat monitoring program may not exceed the maximum benefit objectives for TDS and TIN.

4. Order No. R8-2015-0027, Attachment F – Fact Sheet, page F-7 - Modify the second paragraph of section II.B.2 as follows:

This Order regulates the use of recycled water for landscape irrigation of golf courses, parks, schools, highways, agricultural crops, etc. The use of recycled water for groundwater recharge has also been proposed. However, this Order will need to be modified, or a new Order will need to be considered by the Regional Water Board before any groundwater recharge projects utilizing recycled water can be implemented. ~~Currently, recycled water is delivered only to a few orchards near the Facility.~~ **The Discharger's recycled water system currently serves numerous customers in Yucaipa and Calimesa.**

5. Order No. R8-2015-0027, Attachment F – Fact Sheet, page F-25 - Modify section IX.B.5.c as follows:

Pretreatment: The treatment plant capacity is ~~6.7~~ **8.0** mgd **MGD** and there are significant industrial users within the service areas. Consequently, this Order contains requirements for the implementation of an effective pretreatment program pursuant to Section 307 of the Federal Clean Water Act; Parts 35 and 403 of Title 40, Code of Federal Regulations (40 CFR 35 and 40 CFR 403); and/or Section 2233, Title 23, California Code of Regulations.

- B. The requirements in YVWD's previous permit, R8-2007-0012, regarding effluent limitations for secondary treated surface water discharges under conditions of 20:1 dilution of the wastewater by natural receiving water for Discharge Point 001 (DP-

001) were inadvertently omitted in previous drafts of the tentative Order. Based on the October 23, 2015 e-mail submitted by the Yucaipa Valley Water District (attached), staff recommends the following modifications to re-instate the previous permit specifications for 20:1 dilution at Discharge Point 001 (DP-001) and allow similar provisions for Discharge Point 003 (DP-003):

6. Order No. R8-2015-0027, pages 6 and 7 of 28 – Add Section IV.A.1.b as follows:

**b. Physical/Biological/Chemical Limitations (Under Conditions of 20:1 or More Dilution in the Receiving Water):**

- 1) Whenever the flow in San Timoteo Creek, measured at monitoring locations M-001A and M-001B, as described in the MRP (Attachment E), results in a dilution of 20:1 (receiving water flow : wastewater flow) or more, the Discharger shall comply with the following effluent limitations in lieu of those specified in Effluent Limitation IV.A.1.a, above:

**Table 6. Effluent Limitations at DP-001 and DP-003 With 20:1 Dilution**

Parameter	Units	Effluent Limitations		
		Average Monthly	Average Weekly	Daily Maximum
Biochemical Oxygen Demand 5-day @ 20°C	mg/L (lbs/day)	30 (2002)	45 (3002)	--
Total Suspended Solids	mg/L (lbs/day)	30 (2002)	45 (3002)	--
Ammonia-Nitrogen	mg/L (lbs/day)	4.5 (300)	--	--
Bis(2-ethylhexyl) phthalate	µg/L (lbs/day)	5.9 (.39)	--	11.8 (0.79)

- 2) The weekly median number of coliform bacteria shall not exceed a median of 23 per 100 milliliters as determined from the daily coliform bacteria values for the last seven (7) days. To comply with this limit, the 7-day median MPN must not exceed 23 per 100 milliliters on any day during the week. However, only one violation is recorded for each calendar week, even if the 7-day median MPN value is greater than 23 for more than one day in the week.

7. Order No. R8-2015-0027, Attachment E – Monitoring and Reporting Program, page E-8 – Add the following paragraph as section IV.B:

**B. Secondary Effluent Monitoring Location for DP-001 and DP-003 with 20:1 Dilution**

**If the Discharger wants to take credit for the 20:1 dilution, the Discharger should record the start and end time of the secondary treated effluent discharge and the flow rate upstream of the discharge point. The effluent monitoring shall be the same as specified in Table 4, above.**

8. Order No. R8-2015-0027, Attachment E – Monitoring and Reporting Program, page E-11 – Add the following paragraph as section VIII.A:

**A. Monitoring During 20:1 Dilution:**

**The Discharger shall make provisions for the measurement of the receiving water flow at a suitable location in the San Timoteo Creek and determine whether a 20:1 dilution exists at the point of discharge before discharging secondary treated effluent. A dilution of 20: 1 or more exclusive of discharges to surface waters from upstream publicly owned treatment works is required at the point of discharge for discharge of secondary effluent. Flow measurements shall be made prior to any direct discharge to the creek and shall continue on a daily basis until the discharge is terminated.**

9. Order No. R8-2015-0027, Attachment F – Fact Sheet, page F-14 - Modify section IV.B.2. as follows:

~~As noted in section IV.C.2.4., below, tertiary treatment is required to protect beneficial uses of San Timoteo Creek. The technology-based limits, more restrictive than the above-mentioned federal standards for BOD5 and TSS, which are based on BPJ for levels achievable with tertiary treatment, summarized in the Table below are applicable.~~

**This Facility meets the technology-based regulations for the minimum level of effluent quality attainable by secondary treatment in terms of BOD5, total suspended solids, percent removal rate, and pH as summarized in Table 7, below. These effluent limitations are applicable for discharges to Discharge Point 001 and Discharge Point 003 under conditions of 20:1 dilution provided by natural flow in San Timoteo Creek.**

**Table 7. Summary of Technology-Based Effluent Limits for Tertiary Secondary Treatment**

Constituent	Average Weekly (mg/L)	Average Monthly (mg/L)	Average Monthly Removal Rate %
Biochemical Oxygen Demand, 5-day 20°C	45 <del>30</del>	30 <del>20</del>	85
Total Suspended Solids	45 <del>30</del>	30 <del>20</del>	85

The federal secondary treatment standard for pH to be in the range of 6 – 9 su and the removal rate requirement of 85% of the BOD<sub>5</sub> and TSS from the influent flow are also applicable to this discharge.

10. Order No. R8-2015-0027, Attachment F – Fact Sheet, page F-15 – Add the following as second paragraph to section IV.C.1:

**As noted in section IV.C.2.c., below, tertiary treatment is required to protect beneficial uses of San Timoteo Creek when 20:1 dilution conditions are not present. The technology-based limits, more restrictive than the above-mentioned federal standards for BOD<sub>5</sub> and TSS, which are based on BPJ for levels achievable with tertiary treatment, summarized in the Table below are applicable.**

**Table 8. Summary of Technology-Based Effluent Limits for Tertiary Treatment**

Constituent	Average Weekly (mg/L)	Average Monthly (mg/L)	Average Monthly Removal Rate %
Biochemical Oxygen Demand, 5-day 20°C	30	20	85
Total Suspended Solids	30	20	85

11. Order No. R8-2015-0027, Attachment F – Fact Sheet, page F-17 – Add section IV.C.2.d as follows:

**d. Discharge of secondary treated and disinfected wastewater when the natural flows in the Creek provide at least 20:1 dilution:**

**The Department of Health Services has determined that public health and water contact recreation (REC-1) beneficial uses will be protected provided that at least 20:1 dilution of secondary treated and disinfected wastewater discharges by natural receiving waters is achieved ("Wastewater Disinfection Guidelines Feb. 1987; these guidelines are based on sound**

science and are widely used as guidance to assure public health and beneficial use protection).

San Timoteo Creek and the Santa Ana River are not naturally perennial. In dry weather, flow in the Creek and Santa Ana River is comprised predominantly of effluent discharges from municipal wastewater treatment facilities (POTWs), and very little natural flow exists. Under storm conditions, 20:1 (natural receiving waters to effluent) dilution of the effluent by storm flows may be provided. These storm conditions may also threaten the operational safety of the wastewater treatment facility through influx of infiltrated storm flows into the sanitary sewer system. The discharge of secondary effluent when 20:1 dilution is provided by the receiving waters may be necessary to protect the integrity of these facilities.

Based on best professional judgment of the effluent limitations necessary to prevent nuisance and to assure public health and REC-1 use protection, and taking into consideration the need to protect the integrity of the treatment works, it is appropriate to implement these guidelines in this Order. Accordingly, this Order specifies requirements based on secondary treatment for surface water discharges under conditions of 20:1 dilution of the wastewater by natural receiving waters.

(October 30, 2015, Item 6)

**RESPONSE TO COMMENTS  
ON THE  
TENTATIVE WASTE DISCHARGE REQUIREMENTS ORDER NO. R8-2015-0027  
AND  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT  
(NPDES NO. CA0105619),  
FOR THE  
YUCAIPA VALLEY WATER DISTRICT  
HENRY N. WOCHHOLZ REGIONAL WATER RECYCLING FACILITY  
SAN BERNARDINO COUNTY**

Comments were received from the following entities:

1. Yucaipa Valley Water District (YVWD)
2. Orange County Water District (OCWD)

**1. Yucaipa Valley Water District Comments:**

Comments from YVWD were received via electronic mail on October 22, October 23, and October 27, 2015. The e-mails and supporting information are attached. Most of the comments that were addressed via an Errata Sheet and recommended for incorporation into the Order do not require a response to comment except for the comment received on October 27, 2015.

**Comment:**

While the maximum benefit objectives and permit limits are based on a discharge of 1.6 million gallons per day for TDS compliance, the adaptive management plan for the habitat in San Timoteo Creek does not specifically require the discharge of 1.6 million gallons per day.

**Response:**

The Adaptive Management Plan, page 23, Section 6, item 4, of the Habitat Monitoring Program for San Timoteo Creek, Yucaipa Valley Water District, Dudek & Associates, October 2005 specifies that an annual average of 1.6 MGD will be released. However, the document also states that the daily volume discharge may vary based on certain conditions. The errata sheet will clarify that the 1.6 MGD discharge is an annual average.

**2. Orange County Water District Comments:**

Comments from OCWD were transmitted via electronic mail on October 27, 2015 and are attached.

**Comment Summary: Order, Section IV.B.2:**

OCWD is concerned that a 10-year averaging period for TDS concentration could be viewed as setting a new precedent for how other discharge permits in the Santa Ana Watershed are structured. OCWD is concerned that a 10- year averaging period could result in an exceedance of the annual water quality objective and thus could conflict and result in compliance problems with the Regional Board's Basin Plan.

**Response**

The requirement in the Order for Total Dissolved Solids (TDS) discharges into San Timoteo Creek is consistent with the TDS averaging period for TDS specified for YVWD (and the City of Beaumont) in Table 5-9b, San Timoteo Groundwater Management Zone Maximum Benefit Commitments, Attachment to Resolution No, 2014-0005. Specifically, Table 5-9b states, "The recharge of recycled water in the San Timoteo Groundwater Management Zone or discharge to San Timoteo Creek to maintain the riparian habitat shall be limited to the amount that can be blended with other recharge sources or reverse osmosis diluent to achieve a 10-year running average equal to or less than the 400 mg/L "maximum benefit" TDS objective and less than or equal to the 5 mg/L nitrate-nitrogen "maximum benefit" objective (taking the nitrogen loss coefficient into consideration)."

## **Gaslan, Milasol@Waterboards**

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**From:** Joseph Zoba <jzoba@yvwd.dst.ca.us>  
**Sent:** Tuesday, October 27, 2015 9:39 AM  
**To:** Gaslan, Milasol@Waterboards; Kevin King  
**Cc:** Smythe, Hope@Waterboards; Amin, Najah@Waterboards; Jack Nelson  
**Subject:** RE: YVWD permit  
**Attachments:** R8-2015-0027-YVWD-Errata.pdf

Milasol – Thank you again for your assistance with our permit.

I would recommend one slight change to the Errata Sheet on page 1. While the maximum benefit objectives and permit limits are based on a discharge of 1.6 million gallons for TDS compliance, the adaptive management plan for the habitat in San Timoteo Creek does not specifically require the 1.6 million gallons per day.

Therefore, I deleted the term “1.6 mgd discharge” since it was directly related to the habitat mitigation. However, I understand that this flow rate will be used to calculate the TDS objectives for the operation of the desalination facility.

Thank you again for your help.

Joe

**Joseph B. Zoba, General Manager**

Yucaipa Valley Water District  
12770 Second Street  
Yucaipa, California 92399  
(909) 797-5119 x2

## **Gaslan, Milasol@Waterboards**

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**From:** Kevin King <kking@yvwd.dst.ca.us>  
**Sent:** Friday, October 23, 2015 8:08 AM  
**To:** Gaslan, Milasol@Waterboards; Joseph Zoba  
**Cc:** Smythe, Hope@Waterboards; Amin, Najah@Waterboards; Jack Nelson  
**Subject:** RE: YVWD permit

Good Morning Milasol

Could we please add the language for discharges to DP-001 and DP-003 for conditions of 20:1 or more dilution to this permit. The language for this in our current permit is on page 17 item number 4.

Thank You  
Kevin

## Gaslan, Milasol@Waterboards

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**From:** Joseph Zoba <jzoba@yvwd.dst.ca.us>  
**Sent:** Thursday, October 22, 2015 9:59 AM  
**To:** Gaslan, Milasol@Waterboards  
**Cc:** Smythe, Hope@Waterboards; Amin, Najah@Waterboards; Jack Nelson; Kevin King  
**Subject:** RE: YVWD permit  
**Attachments:** YVWD Comments - R8-2015-0027.pdf

Milasol – I would appreciate your review and consideration of the following modifications to the Yucaipa Valley Water District permit prior to the adoption of R8-2015-0027 :

1. **Page 7 of 29** – Please delete the sentence regarding the obligation to maintain 1.6 mgd annual average discharge to San Timoteo Creek. The District will be implementing an adaptive management program, but the District needs to maintain the ability to eliminate the discharge of recycled water to the Creek (pursuant to WW-26) and replace the flows with other sources of water. Supporting documentation of WW-26 is attached for your review.
2. **Page F-6** – Please delete the reference to the 1.6 mgd annual discharge.
3. **Page F-7** – The District's recycled water system currently serves numerous customers in Yucaipa and Calimesa.
4. **Page F-25** – The capacity of the wastewater treatment plant is 8.0 mgd.

Thank you for your assistance with this permit.

Joe

**Joseph B. Zoba, General Manager**

Yucaipa Valley Water District  
12770 Second Street  
Yucaipa, California 92399  
(909) 797-5119 x2

#### IV. EFFLUENT LIMITATIONS AND DISCHARGE SPECIFICATIONS

##### A. Effluent Limitations – Discharge Points 001 and 003

Unless otherwise specifically specified hereinafter, compliance with the following effluent limitations is measured at monitoring location M-001 as described in the attached Monitoring and Reporting Program (Attachment E).

##### 1. Effluent Limitations

The Discharger shall comply with the following:

##### a. Physical/Biological/Chemical Limitations

**Table 5. Effluent Limitations at DP-001 and DP-003**

Parameter	Units	Effluent Limitations		
		Average Monthly	Average Weekly	Daily Maximum
Biochemical Oxygen Demand 5-day @ 20°C	mg/L (lbs/day)	20 (1334)	30 (2002)	--
Total Suspended Solids	mg/L (lbs/day)	20 (1334)	30 (2002)	--
Ammonia-Nitrogen	mg/L (lbs/day)	4.5 (300)	--	--
Bis(2-ethylhexyl) phthalate	µg/L (lbs/day)	5.9 (.39)	--	11.8 (0.79)

##### b. Percent Removal:

The average monthly percent removal of BOD 5-day 20°C and total suspended solids shall not be less than 85 percent.

##### c. Total Dissolved Solids (TDS) Limitations

For flows up to 1.6<sup>1</sup> million gallons per day (MGD), the annual volume-weighted average TDS concentration of the discharge shall not exceed 400 mg/L. ~~The Discharger is obligated to maintain 1.6 mgd annual average discharge to the Creek to support existing riparian habitat (State Board Order No. WW-26). The Discharger shall notify the Regional Board when the habitat monitoring program~~

Delete Sentence ->

<sup>1</sup> A baseline annual average of 1.6 mgd will be released as part of adaptive management activities pursuant to the Habitat Monitoring Program for San Timoteo Creek, Yucaipa Valley Water District, Dudek & Associates, October 2005, #

This is the supporting text for WW-26 that does not require 1.6 MGD in the creek. The adaptive management plan may use other sources of water instead of a discharge of recycled water to San Timoteo Creek.

STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD  
**DIVISION OF WATER RIGHTS**

**ORDER**

Application WW-26 Permit \_\_\_\_\_ License \_\_\_\_\_

**ORDER APPROVING CHANGE IN POINT OF DISCHARGE,  
PLACE OF USE, PURPOSE OF USE  
OF TREATED WASTEWATER**

**WHEREAS:**

1. Treated Wastewater change petition WW-26 was filed by the Yucaipa Valley Water District (District) on March 14, 1995 pursuant to Sections 1210 and 1211 of the California Water Code.
2. The change petition was filed with the State Water Resources Control Board (SWRCB) to obtain approval under Sections 1211 and 1700 of the California Water Code to change the point of discharge, place of use and purpose of use of up to 6,723 acre-feet of treated wastewater discharged from the Henry N. Wochholz Wastewater Treatment Plant to San Timoteo Creek tributary to Santa Ana River in San Bernardino and Riverside Counties.
3. In order to protect downstream riparian wildlife habitat in San Timoteo Creek, terms and conditions should be included in this Order.
4. The SWRCB has determined that the petitioned changes do not constitute the initiation of a new right nor operate to the injury of any other lawful user of water.
5. The SWRCB has determined that good cause for the change(s) has been shown.

**NOW, THEREFORE, IT IS ORDERED THAT:**

1. The source of treated wastewater is the Henry N. Wochholz Wastewater Treatment Plant discharging to San Timoteo Creek tributary to Santa Ana River in San Bernardino and Riverside Counties, within the NW¼ of NW¼ of Section 19, T2S, R2W, SBB&M; California Coordinate System, Zone 6, North 663,250, East 1,732,000. (0000001)  
(0000002)
2. The Purpose of Use shall be Irrigation. (0000003)
3. The Place of Use shall be within the areas set forth in the Yucaipa Valley Water District's Reclamation Master Plan, dated November 1993. (0000004)
4. For the protection of downstream riparian wildlife habitat in San Timoteo Creek, District shall implement the following mitigation measures:
  - a. During the period of five consecutive 12-month periods following the month this Order was approved, the District shall make a gradual reduction in the minimum amount of treated wastewater effluent

discharged to San Timoteo Creek from the Henry N. Wochholtz Waste Water Treatment facility. The discharge reduction shall meet the following criteria:

<u>12-Month Period Following Month this Order Approved</u>	<u>Minimum 7-Day Average Discharge for the 12-Month Period</u>
First	1.9 mgd (2.9 cfs)
Second	1.0 mgd (1.6 cfs)
Third	0.5 mgd (0.8 cfs)
Fourth	0.2 mgd (0.3 cfs)
Fifth	0.1 mgd (0.2 cfs)
 <u>61 Months Following Month this Order Approved</u>	 0.0 mgd (0.0 cfs)

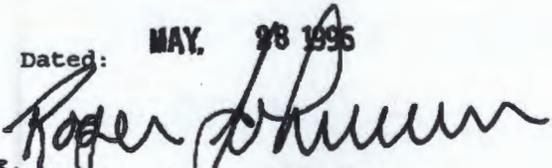
Furthermore, at no time during this consecutive five-year period shall the minimum daily discharge be allowed to drop below 0.1 mgd (0.2 cfs). Within 60 days after the completion of each 12-month period, the District shall submit a report to the Chief, Division of Water Rights, confirming that the above criteria have been met. At the completion of sixty (60) months after this Order is approved by the Division of Water Rights, the District shall not be required to maintain a minimum flow to San Timoteo Creek.

- b. Within 90 days from the date of this Order, the District shall submit to the Chief, Division of Water Rights and the Department of Fish and Game (DFG), a report which provides a quantitative, baseline assessment of the riparian wildlife habitat existing in San Timoteo Creek between the point of discharge from the Henry N. Wochholtz Waste Water Treatment facility and Alessandro Road. The report shall place particular emphasis on the riparian habitat that may be utilized by the endangered least Bell's Vireo (*Vireo bellii pusillus*). The report shall be prepared by a qualified biologist acceptable to the Chief, Division of Water Rights. Within 90 days after the completion of each of the 12-month periods identified in part a. above, the District shall submit to the Chief, Division of Water Rights and the DFG a subsequent report which repeats the quantitative, riparian wildlife habitat assessment conducted for the first (baseline) report and determine whether or not the riparian wildlife habitat has been significantly reduced below the baseline level established in the first report. The subsequent reports shall be prepared by a qualified biologist acceptable to the Chief, Division of Water Rights. If any of the subsequent reports indicate that available riparian wildlife habitat has been reduced significantly below the baseline level due to the gradual reduction in the amount of effluent discharged as stated above, the District shall confer with the DFG to consider feasible additional measures the District could undertake to restore the lost riparian wildlife habitat. Thereafter, the District shall advise the Chief, Division of Water Rights on any additional measures it undertakes to restore the lost riparian wildlife habitat.

(0400500)  
(0490500)

Dated:

MAY. 28 1995

  
Edward C. Anson, Chief  
Division of Water Rights

The Discharger is obligated to maintain 1.6 mgd discharge to the Creek to support existing riparian habitat (State Board Order No. WW-26). The Discharger may fulfill this obligation by using either groundwater or imported State Project Water.

The Discharger is implementing a habitat monitoring program<sup>1</sup> that identifies conditions that may require discharges to the Creek ~~beyond the 1.6 mgd annual average~~. The Discharger is required to notify the Regional Board when adaptive management measures are triggered that requires release in excess of the 1.6 mgd annual average. Discharges into San Timoteo Creek consistent with the habitat monitoring program may not exceed the maximum benefit objectives for TDS and TIN.

**Table 4. Summary of Discharge Points**

Discharge Point	Latitude	Longitude	Description and Receiving Waters	Flow & Frequency
001 & 003	33°59'11"N 34°00'08"N	117°08'04"W 117°09'52"W	To San Timoteo Creek (Reach 3), then to Reach 5 of Santa Ana River; (Recharge from the Creek affects the San Timoteo Groundwater Management Zone)	Tertiary treated and disinfected Continuous (existing); current flow averages 3.72 mgd
002	34°00'27"N	117°05'53"W	Recycled Water Pump Station to the Non-potable Water Distribution System; Yucaipa, San Timoteo, and Beaumont Groundwater Management Zones	Recycled Water Varies

**2. Recycled Water Uses:**

The Discharger plans to use recycled water within the Discharger's service area as well as in neighboring areas. Potential future recycled water users include the City of Redlands, City of Loma Linda, Eastern Municipal Water District, and Beaumont-Cherry Valley Water District. A watershed-scale water resources management plan has been developed by the Discharger and former members of the San Timoteo Watershed Management Authority (City of Beaumont, Beaumont-Cherry Valley Water District and South Mesa Water Company) to assure reliable water supply. The Discharger is in the process of implementing this plan, which will include enhanced use of recycled water, as well as recharge of stormwater, optimizing direct use of recycled water and imported water, and conjunctive use.

This Order regulates the use of recycled water for landscape irrigation of golf courses, parks, schools, highways, agricultural crops, etc. The use of recycled water for groundwater recharge has also been proposed. However, this Order will need to be

<sup>1</sup> *Habitat Monitoring Program for San Timoteo Creek, Yucaipa Valley Water District, Dudek & Associates, October 2005,*

modified, or a new Order will need to be considered by the Regional Water Board before any groundwater recharge projects utilizing recycled water can be implemented.

Delete sentence -> ~~Currently, recycled water is delivered only to a few orchards near the Facility.~~

### C. Compliance Summary

Based on a review of effluent monitoring data submitted by the Discharger for the period from 2008 to present, the wastewater discharged from the wastewater treatment facility was generally in compliance with the effluent limitations specified in the current waste discharge requirements, Order No. R8-2007-0012. However, YVWD had a number of violations during the plant expansion. The violations are tabulated in the following table.

**Table 5**  
**Effluent Limit Violations of Order No. R8-2007-0012, NPDES No. CA0105619**  
**Yucaipa Valley Water District**

Month and Year	Violations						
	Coliform Average Weekly	Coliform Daily Maximum	Turbidity	TIN	NH <sub>3</sub> -N	pH	Bis(2-Ethylhexyl) Phthalate
December, 2007	3		4	1			
January, 2008	4	1		2		2	
February, 2008	4	1		2		13	
March, 2008	5	1		2		8	
April, 2008	4	1		2		4	
May, 2008	1	2		2			
June, 2008				2			
July, 2008				2			
August, 2008				2			
September, 2008				2			
October, 2008				1			
November, 2008				2			
December, 2008				2			
January, 2009				1			
February, 2009				1			
March, 2009				1	1		
April, 2009				1			
May, 2009				1			
June, 2009				1			
July, 2009				1			
August, 2009	4			1			
February, 2010					1		
May, 2010					1		
June, 2011					1		
August, 2011					1		
November, 2013							1
February, 2014*		1					

**NOTES:**

\*No violations noted after February 2014.

- b. Biosolids: On February 19, 1993, the USEPA issued a final rule for the use and disposal of sewage sludge, 40 CFR, Part 503. This rule requires that producers of sewage sludge meet certain reporting, handling, and disposal requirements. The State of California has not been delegated the authority to implement this program, therefore, the U.S. Environmental Protection Agency is the implementing agency.
- c. Pretreatment: The treatment plant capacity is ~~6.7~~<sup>8.0</sup> mgd and there are significant industrial users within the service areas. Consequently, this Order contains requirements for the implementation of an effective pretreatment program pursuant to Section 307 of the Federal Clean Water Act; Parts 35 and 403 of Title 40, Code of Federal Regulations (40 CFR 35 and 40 CFR 403); and/or Section 2233, Title 23, California Code of Regulations.

## X. PUBLIC PARTICIPATION

The California Regional Water Quality Control Board, Santa Ana Region (Regional Water Board) is considering the issuance of waste discharge requirements (WDRs) that will serve as a National Pollutant Discharge Elimination System (NPDES) permit for the Regional Water Recycling Plants. As a step in the WDR adoption process, the Regional Water Board staff has developed tentative WDRs. The Regional Water Board encourages public participation in the WDR adoption process.

### A. Notification of Interested Parties

The Regional Water Board has notified the Discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity to submit their written comments and recommendations. Notification was provided through the posting of Notice of Public Hearing in the area of the discharge, in a local newspaper, and at the Regional Water Board website.

### B. Written Comments

The staff determinations are tentative. Interested persons are invited to submit written comments concerning these tentative WDRs. Comments must be submitted either in person or by mail to the Executive Office at the Regional Water Board at the address above on the cover page of this Order.

To be fully responded to by staff and considered by the Regional Water Board, written comments should be received at the Regional Water Board offices by 5:00 p.m. on August 21, 2015.

## Gaslan, Milasol@Waterboards

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**From:** Westropp, Marsha <MWestropp@ocwd.com>  
**Sent:** Tuesday, October 27, 2015 2:38 PM  
**To:** Gaslan, Milasol@Waterboards; jzoba@ywwd.dts.ca.us; kking@ywwd.dst.ca.us  
**Cc:** Woodside, Greg  
**Subject:** Order No. R8-2015-0027 comment letter  
**Attachments:** R8-2015-0027 comment letter.pdf

Ms. Gaslan,

Please accept the attached comment letter on Order No. R-8-2015-0027, Waste Discharge Requirements for Yucaipa Valley Water District. We offer our apologies for the lateness in submitting these comments. Please take note that we do not intend for our comments to interfere with the schedule for the adoption of the permit, as stated in our comment letter.

Marsha Westropp

### **Marsha Westropp**

#### **Senior Planner**

Orange County Water District  
18700 Ward Street, Fountain Valley, CA 92708  
tel: (714) 378-8248  
email: [mwestropp@ocwd.com](mailto:mwestropp@ocwd.com)



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**ORANGE COUNTY WATER DISTRICT**  
ORANGE COUNTY'S GROUNDWATER AUTHORITY

October 27, 2015

Ms. Mirasol Gaslan  
California Regional Water Quality Control Board  
Santa Ana Region  
3737 Main Street, Suite 500  
Riverside, CA 92501-3348

**RE: ORDER NO. R8-2015-0027 NPDES NO. CA0105619 WASTE DISCHARGE REQUIREMENTS AND MASTER RECLAMATION PERMIT FOR THE YUCAIPA VALLEY WATER DISTRICT HENRY N. WOCHHOLZ REGIONAL WATER RECYCLING FACILITY SAN BERNARDINO COUNTY**

Dear Ms. Gaslan:

Thank you for the opportunity to provide comments on the subject tentative discharge permit.

OCWD is a special district formed in 1933 by an act of the California Legislature. The District manages the groundwater basin that underlies north and central Orange County. Water produced from the basin is the primary water supply for approximately 2.4 million residents living within the District's boundaries. OCWD maintains and operates facilities in the cities of Anaheim and Orange to recharge Santa Ana River water into the groundwater basin. Santa Ana River baseflows and stormflows provide the majority of the water supply used to recharge the basin.

Section IV.B.2 of the tentative order specifies the following:

The 10-year flow weighted running average TDS concentration of recycled water applied to use areas overlying the groundwater management zones shown below shall not exceed concentrations specified in Table 7. (Table 7. TDS Limitations for Recycled Water Groundwater Management Zone TDS, mg/L).

Ms. Mirasol Gaslan

October 27, 2015

Page 2 of 2

OCWD is concerned that a 10-year averaging period for TDS concentration could be viewed as setting a new precedent for how other discharge permits in the Santa Ana Watershed are structured. For dischargers that provide water that affects Reach 3 of the Santa Ana River, a 10-year averaging period could result in compliance problems with the Regional Board's Basin Plan objectives. For example, the TDS water quality objective for Reach 3 of the Santa Ana River is evaluated on an annual basis using data that are collected each summer. The comparison of measured water quality data to the water quality objective is done on an annual basis. We are concerned that using a 10-year averaging period in discharge permits that affect surface water quality could result in an exceedance of the annual water quality objective and in such situations may be in conflict with the Regional Board's Basin Plan.

We do not wish to hold up approval of the subject discharge permit over this issue; however, this issue needs to be addressed before multi-year averaging compliance options are considered for other discharge permits.

Sincerely,

A handwritten signature in black ink that reads "Mauska Westrupp for". The signature is written in a cursive, flowing style.

Greg Woodside, P.G., C.Hg.

Executive Director of Planning and Natural Resources