



Central Valley Regional Water Quality Control Board

22 November 2019

Rex Buchanan, Owner
Devine & Wood Farming, Inc
652 W. Cromwell, Suite 103
Fresno, CA 93711

CERTIFIED MAIL
7018 1830 0001 2775 3689

NOTICE OF APPLICABILITY (NOA); STATE WATER RESOURCES CONTROL BOARD ORDER WQ-2016-0068-DDW-R5015; WATER RECLAMATION REQUIREMENTS FOR RECYCLED WATER USE; DEVINE & WOOD FARMING, INC.; COALINGA DEVINE & WOOD RECYCLING PROJECT; FRESNO COUNTY

On 23 April 2018, the Central Valley Water Quality Control Board (Central Valley Water Board) received a Title 22 Engineering Report dated March 2018 signed and stamped by Mr. Alfonso Manrique, a California registered professional civil engineer (RCE 63673) on behalf of Devine & Wood Farming, Inc. (Administrator and User). Subsequently, on 11 December 2018, Mr. Manrique submitted a revised Title 22 Engineering Report dated September 2018. On 25 October 2018, the State Water Resources Control Board, Division of Drinking Water (DDW) approved the September 2018 Title 22 Engineering Report. In addition to the Title 22 Engineering Reports, our office received a Notice of Intent (NOI) and Form 200 on 7 February 2019 signed by Donald Devine, Vice-President of Devine & Wood Farming, Inc., requesting coverage under State Water Resources Control Board's Water Quality Order 2016-0068-DDW, *Water Reclamation Requirements for Recycled Water Use* (General Order).

The California Department of Corrections and Rehabilitation (Producer) owns and operates the Pleasant Valley State Prison wastewater treatment facility (WWTF) in Coalinga. The WWTF is currently regulated by Waste Discharge Requirements (WDRs) Order R5-2016-0092 for the discharge of up to 0.63 million gallons per day (mgd) of disinfected secondary-2.2 recycled water to four lined ponds prior to being used by Devine and Wood Farming, Inc. WDRs Order R5-2016-0092 also allows for upgrades to the WWTF to produce disinfected tertiary recycled water at the same discharge flow of 0.63 mgd.

Devine & Wood Farming, Inc. owns and operates the Use Areas. The proposed project includes applying disinfected tertiary recycled water on approximately 2,203 acres of Use Areas owned by Devine & Wood Farming, Inc. **Attachment A** of this NOA provides

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a description of the proposed Use Areas. **Attachment B** of this NOA provides an area map of the proposed Use Areas.

On 7 June 2016, the State Water Resources Control Board adopted the General Order to regulate the use of recycled water for all Title 22 uses except groundwater recharge. In addition, the General Order delegates the responsibility of administering water recycling programs to a designated Administrator to the fullest extent possible. Based on the information provided in the Title 22 Engineering Report, the proposed water recycling project satisfies the general and specific conditions of the General Order. Therefore, this serves as formal notice that Order WQ-2016-0068-DDW is applicable to the site and discharge described below. Devine & Wood Farming, Inc. will act as the Administrator of the Recycled Water Program for this discharge. You are hereby assigned WQ 2016-0068-R5015 for this discharge. Please include this Order number in all future correspondence related to this discharge.

You should familiarize yourself with the entire General Order and its attachments enclosed with this letter, which describe mandatory discharge and monitoring requirements. Sampling, monitoring, and reporting requirements applicable to your recycled water project must be completed in accordance with the attached *Monitoring and Reporting Program* (MRP) No. **WQ-2016-0068-DDW-R5015**. This MRP was developed after review of your Title 22 Engineering Report as described in the attached 22 November 2019 Regional Water Board staff memorandum.

Once Provision G.13 of WDRs Order R5-2016-0091 has been satisfied, Central Valley Water Board staff will draft a tentative rescission order, for consideration by the Central Valley Water Board, to rescind Water Reclamation Requirements (WRRs) Order 98-054. Devine and Wood Farming, Inc. has been assigned General Order **WQ-2016-0068-DDW-R5015**. This NOA is effective immediately. Please include this Order number in all future correspondence related to this discharge.

PROJECT DESCRIPTION

The California Department of Corrections and Rehabilitation (CDCR) owns and operates the Pleasant Valley State Prison wastewater treatment facility (WWTF) regulated under WDRs Order R5-2016-0092. WDRs Order R5-2016-0092 allows a discharge of up to 0.63 mgd of disinfected secondary-2.2 recycled water to four lined ponds prior to being used by Devine & Wood Farming, Inc. WDRs Order R5-2016-0092 also discusses upgrades to the WWTF to produce disinfected tertiary recycled water. Provision G.11 of WDRs Order R5-2016-0092 requires the Producer and/or User of the treated recycled water to obtain coverage under the General Order prior to reclaiming disinfected tertiary recycled water. In addition, Provision G.13 of WDRs Order R5-2016-0092 requires CDCR to provide a technical report in the form of an engineering report and certification for Executive Officer approval that demonstrates the upgrades to the WWTF have been completed and effluent can meet the requirements of disinfected tertiary recycled water.

According to the September 2018 Title 22 Engineering Report, upgrades to the WWTF were completed in 2018 and include: a submersible pump in Pond 4, a flocculation tank,

a suspended air flotation unit, dual-media filters, a filtered effluent storage tank for filter backwash, sludge dewatering geotextile tubes, and a second chlorine contact tank.

As of date of this NOA, it is Central Valley Water Board's understanding that the Producer is in the process of providing the technical report and certification required by Provision G.13 of WDRs Order R5-2016-0092. **Prior to the reclamation of disinfected tertiary treated from the upgraded WWTF**, Provision G.13 of WDRs Order R5-2016-0096 must be satisfied.

RECYCLED WATER APPLICATION

Devine & Wood Farming, Inc. proposes to administer a recycled water use program for disinfected tertiary recycled water in which the California Department of Correction and Rehabilitation, Pleasant Valley State Prison WWTF will serve as the sole Producer and Devine & Wood Farming, Inc. will serve as the sole Administrator and User. Devine & Wood Farming, Inc. as the Administrator, will be responsible for the administration of the Recycled Water Program authorized pursuant to this General Order, including the requirements of Title 22.

DIVISION OF DRINKING WATER (DDW) CONSIDERATIONS AND REQUIREMENTS

Devine & Wood Farming, Inc. submitted a Title 22 Engineering Report dated March 2018 and a revised Title 22 Engineering Report dated September 2018 to DDW for review and approval. On 25 October 2018, DDW sent an approval letter with recommendations. The Central Valley Water has incorporated these requirements in this NOA.

WATER RECYCLING REQUIREMENTS

1. The production, distribution, and use of recycled water shall be managed in accordance with the Title 22 Engineering Report approved by the Division of Drinking Water and this NOA.
2. Application of recycled water shall be limited to the uses described in the Title 22 Engineering Report approved by the Division of Drinking Water and this NOA.
3. The use of recycled water shall not cause pollution or nuisance, as defined by Water Code section 13050.
4. The recycled water shall be disinfected tertiary recycled water as defined by Water Code section 60301.230.
5. Devine & Wood Farming, Inc. shall promptly notify the Central Valley Water Board of any recycled water spills or unauthorized uses.
6. Devine & Wood Farming, Inc. must place appropriately sized reclamation water signs at 500-foot intervals around the Use Areas and at all entry/exit roads into the Use Areas. Signage must be consistent with the requirements of California Code of Regulations, title 22, section 60310 (g)

7. Permanent above-ground piping must be clearly identified as recycled water with either purple pipe material or purple paint. Temporary above-ground piping for recycled water must also have proper coloring or labeling for easy identification.

GENERAL INFORMATION AND REQUIREMENTS

Devine & Wood Farming, Inc. shall comply with the Specifications, Water Recycling Administration Requirements, and General Provisions of the General Order.

Please review this NOA carefully to ensure that it completely and accurately reflects the proposed Recycled Water Program. If the discharge violates the terms or conditions, the Central Valley Water Board may take enforcement action, including the assessment of an administrative civil liability. Failure to abide by the conditions of the General Order, including MRP **WQ-2016-0068-DDW-R5015**, and this letter authorizing applicability could result in enforcement actions, as authorized by provision of the California Water Code.

The required annual fee specified in the annual billing from the State Water Resources Control Board shall be paid until this NOA is officially terminated. Devine & Wood Farming, Inc. must submit in writing a Notice of Termination once the Recycled Water Program has ended.

DOCUMENT SUBMITTALS

All monitoring reports and other correspondence should be converted to a searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50MB should be email to: centralvalleyfresno@waterboards.ca.gov. Documents that are 50MB or larger should be transferred to a disk and mailed to the Central Valley Water Board office at 1685 E Street, Fresno, CA 93706. To ensure that your submittals are routed to the appropriate staff, the following information block should be included in any email used to transmit documents to this office:

Program: Non-15,
Place ID: 252012,
Place Name: Coalinga Devine & Wood Recycling Project,
Order: WQ-2016-0016-DDW-R5015

All documents, including responses to inspections and written notifications, submitted to comply with this General Order shall be directed, via the paperless office system, to the Compliance and Enforcement Unit, attention to Russell Walls. Mr. Walls can be reached at (559) 488-4392 or russell.walls@waterboards.ca.gov. Questions regarding the permitting aspects of the General Order and notification for termination of coverage under the General Order, shall be directed, via the paperless office system, to the WDR Permitting Unit, attention to Denise Soria.

In order to conserve paper and reduce mailing costs, a paper copy of the General Order has been sent only to the Discharger. Others are advised that the [General Order](#) is available on the State Water Resources Control Board's (https://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2016/wqo2016_0068_ddw.pdf).

If you have any questions regarding this matter, please contact Denise Soria by phone at (559) 444-2488 or by email at dsoria@waterboards.ca.gov.

Original Signed by Clay L. Rodgers for:
Patrick Pulupa
Executive Officer

Attachments:

- Attachment A – Use Area Description
- Attachment B – Use Area Map

Enclosures:

- Monitoring and Reporting Program WQ-2016-0068-DDW-R5015
- 22 November 2019 Regional Water Board Staff Memorandum
- 25 October 2018 Division of Drinking Water Approval Letter
- State Water Resources Control Board Order WQ 2016-0068-DDW, *Water Reclamation Requirements for Recycled Water Use* (Discharger Only)

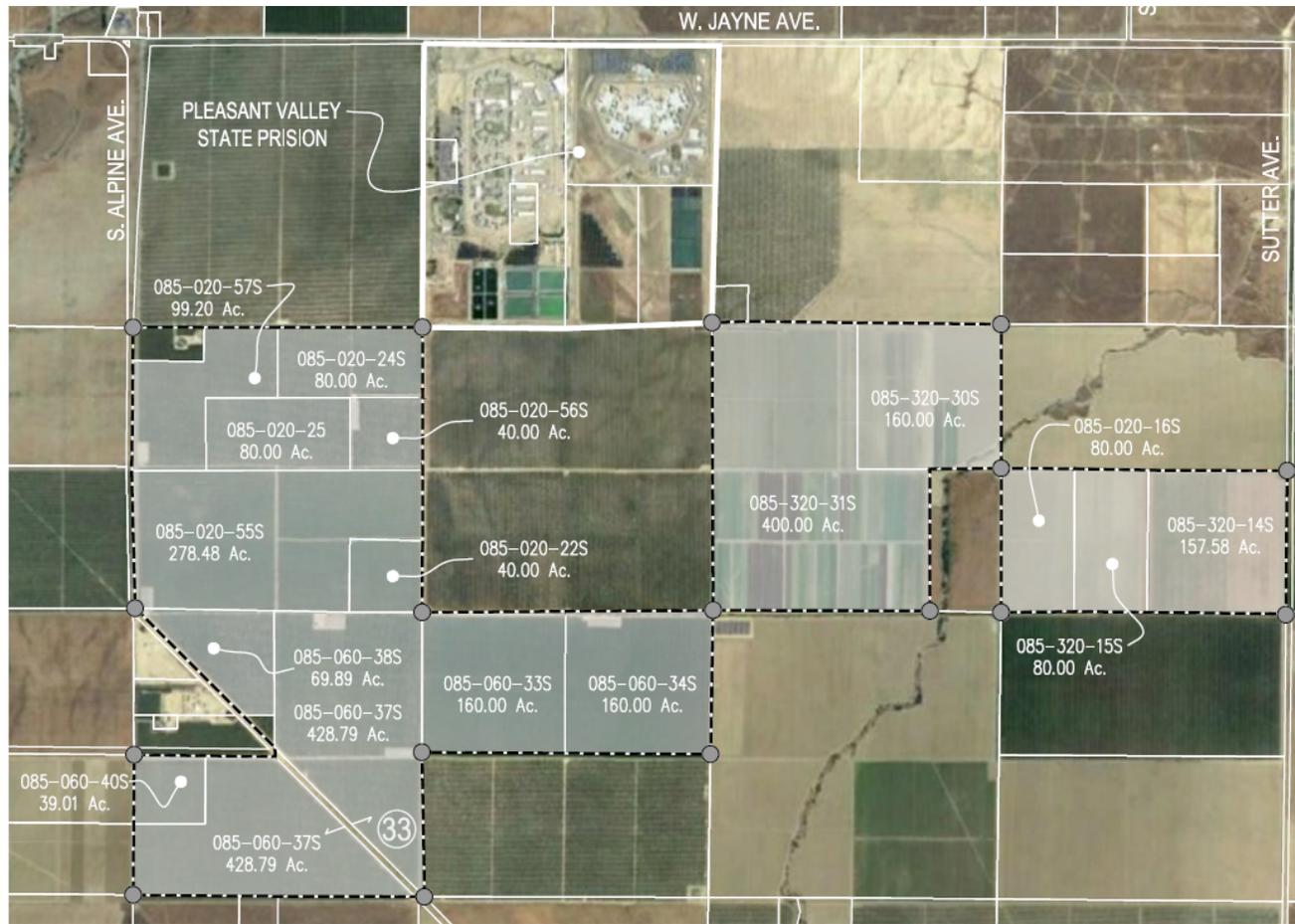
cc:

- Scott Couch, State Water Resources Control Board, Sacramento (via email)
- Jose Robledo, Division of Drinking Water, Fresno (via email)
- Terry Bettencourt, California Department of Corrections and Rehabilitation, Sacramento (via email)
- Don Devine, Devine & Wood Farming, Inc., Fresno
- Alfonso Manrique, AM Consulting Engineers, Fresno (via email)

Assessor Parcel Number	Section	Township/Range	Acreage
085-020-22S	8	21 South/16 East	40
085-020-24S	8	21 South/16 East	80
085-020-25	8	21 South/16 East	80
085-020-55S	8	21 South/16 East	278.48
085-020-56S	8	21 South/16 East	40
085-020-57S	8	21 South/16 East	99.20
085-060-33S	16	21 South/16 East	160
085-060-34S	16	21 South/16 East	160
085-060-37S	17	21 South/16 East	428.79
085-060-40S	17	21 South/16 East	39.01
085-320-14S	11	21 South/16 East	157.58
085-320-16S	11	21 South/16 East	80
085-320-30S	10	21 South/16 East	160
085-320-31S	10	21 South/16 East	400
Total			2,203

ATTACHMENT A – USE AREA DESCRIPTION

NOTICE OF APPLICABILITY WQ-2016-0068-DDW-R5015
FOR
DEVINE & WOOD FARMING, INC.
COALINGA DEVINE & WOOD RECYCLING PROJECT
FRESNO COUNTY



ATTACHMENT B – USE AREA MAP
 NOTICE OF APPLICABILITY WQ-2016-0068-DDW-R5015
 FOR
 DEVINE & WOOD FARMING, INC.
 COALINGA DEVINE & WOOD RECYCLING PROJECT
 FRESNO COUNTY

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION**

**MONITORING AND REPORTING PROGRAM NO. WQ-2016-0068-DDW-R5015
FOR
DEVINE & WOOD FARMING, INC.
COALINGA DEVINE & WOOD RECYCLING PROJECT
FRESNO COUNTY**

This Monitoring and Reporting Program (MRP) describes requirements for monitoring a recycled water system. This MRP is issued pursuant to Water Code section 13267. Devine & Wood Farming, Inc. (Administrator) shall not implement any changes to this MRP unless and until a revised MRP is issued by the California Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) Executive Officer.

The Administrator has applied for and received coverage for the Coalinga Devine & Wood Recycling Project that is subject to the Notice of Applicability (NOA) of Water Quality Order 2016-0068-DDW. The reports are necessary to ensure that the Administrator complies with the NOA and General Order. Pursuant to California Water Code section 13267, the Administrator shall implement this MRP and shall submit the monitoring reports described herein.

All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. The name of the sampler, sample type (grab or composite), time, date, location, bottle type, and any preservative used for each sample shall be recorded on the sample chain of custody form. The chain of custody form must also contain all custody information including date, time, and to whom samples were relinquished. If composite samples are collected, the basis for sampling (time or flow weighted) shall be approved by Central Valley Water Board staff.

Field test instruments (such as those used to test pH, dissolved oxygen, and electrical conductivity) may be used provided that they are used by a State Water Resources Control Board, Environmental Laboratory Accreditation Program (ELAP) certified laboratory, or:

1. The user is trained in proper use and maintenance of the instruments;
2. The instruments are field calibrated prior to monitoring events at the frequency recommended by the manufacturer;
3. Instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and
4. Field calibration reports are maintained and available for at least three years.

Monitoring requirements listed below may duplicate existing requirements under other orders including WDRs or waivers of WDRs that regulate agricultural discharges from irrigated lands. Duplication of sampling and monitoring activities are not required if the monitoring activity satisfies the requirements of this General Order. Collecting composite samples is acceptable in most cases. The facility may continue using existing sampling collection equipment that is consistent with the applicable facility order.

However, due to short sample holding times, bacteriological samples collected to verify disinfection effectiveness must be grab samples. In addition to submitting the results under another order, the results shall be submitted in the reports required by this General Order.

All of the monitoring listed below may not be applicable to all recycled water projects. Consult the NOA or Central Valley Water Board staff to determine applicable requirements.

USE AREA MONITORING

The Administrator shall monitor use area(s) at a frequency appropriate to determine compliance with this General Order and the Administrator's recycled water use program requirements. An Administrator may assign monitoring responsibilities to a User as part the Water Recycling Use Permit program. The Administrator retains responsibility to ensure the data is collected, as well as prepared and submit the annual report.

The following shall be recorded for each user with additional reporting for use areas as appropriate. The frequency of use area inspections shall be based on the complexity and risk of each use area. Use areas may be aggregated to combine acreage for calculations or observation purposes. Use area monitoring shall include the following parameters:

Table 1 – Use Area Monitoring Requirements

Parameter	Units	Sample Type	Sampling Frequency	Reporting Frequency
Recycled Water User	---	---	---	Annually
Recycled Water Flow	gpd (see 1. below)	Meter (see 2. below)	Monthly	Annually
Acreage Applied (see 3. below)	acres	Calculated	---	Annually
Application Rate	Inches/acre/year	Calculated	---	Annually
Soil Saturation/Ponding	---	Observation	Quarterly	Annually
Nuisance Odors/Vector	---	Observation	Quarterly	Annually
Discharge Off-Site	---	Observation	Quarterly	Annually
Notification Signs (see 4. below)	---	Observation	Quarterly	Annually

1. gpd denotes gallons per day.
2. Meter requires meter reading, a pump run time meter, or other approved method.
3. Acreage applied denotes the acreage to which recycled water is applied.
4. Notification signs shall be consistent with the requirements of California Code of Regulations, title 22, section 60310(g)

REPORTING

In reporting monitoring data, the Administrator shall arrange the data in tabular form so that the date, data type (e.g., flow rate, bacteriological, etc.), and reported analytical or

visual inspection results are readily discernable. The data shall be summarized to illustrate compliance with the General Order and NOA as applicable. The results of any monitoring done more frequently than required at the locations specified in the MRP shall be reported in the next regularly scheduled monitoring report and shall be included in calculations as appropriate.

All regulatory documents, submissions, materials, data, monitoring reports, and correspondence should be converted to a searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50MB should be emailed to: centralvalleyfresno@waterboards.ca.gov. Documents that are 50MB or larger should be transferred to a disk and mailed to the appropriate Regional Water Board office, in this case 1685 E Street, Fresno, CA 93706. To ensure that your submittals are routed to the appropriate staff, the following information block should be included in any email used to transmit documents to this office:

Program: Non-15,
Place ID: 252012,
Place Name: Coalinga Devine & Wood Recycling Project,
Order: WQ-2016-0068-DDW-R5015

A. Annual Reports

Annual Reports shall be submitted to the Central Valley Water Board by **April 1st following the monitoring year**. The Annual Report shall include the following:

1. A summary table of all recycled water Users and Use Areas. Maps may be included to identify Use Areas. Newly permitted recycled water Users and Use Areas shall be identified. When applicable, supplemental to the Title 22 Engineering Report and the State Water Board approval letter supporting those additions shall be included.
2. A summary table of all inspection and enforcement activities initiated by the Administrator. Include a discussion of compliance and the corrective action taken, as well as any planned or proposed actions needed to bring the discharge into compliance with the NOA and/or General Order. Copies of documentation of any enforcement actions taken by the Administrator shall be provided.
3. An evaluation of the performance of the recycled water treatment facility, including discussion of capacity issues, system problems, and a forecast of the flows anticipated in the next year.
4. Tabular and graphical summaries of all monitoring data collected during the year.
5. The name and contact information for the recycled water operator responsible for operation, maintenance, and system monitoring.

A letter transmitting the annual monitoring report shall accompany each report. The letter shall summarize the numbers and severity of violations found during the reporting period, and actions taken or planned to correct the violations and prevent future

violations. The transmittal letter shall contain the following penalty of perjury statement and shall be signed by the Administrator or the Administrator's authorized agent:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

The Administrator shall implement the above monitoring program as of the date of this MRP.

Ordered by:

Original Signed by Clay L. Rodgers for:
PATRICK PALUPA, Executive Officer

11-22-2019

Central Valley Regional Water Quality Control Board

TO: Scott J. Hatton
Supervising Water Resource Control Engineer

FROM: Alexander S. Mushegan
Senior Water Resource Control Engineer
RCE 84208

Denise Soria
Water Resource Control Engineer

DATE: 22 November 2019

APPLICABILITY OF COVERAGE; STATE WATER RESOURCES CONTROL BOARD ORDER WQ 2016-0068-DDW; WATER RECLAMATION REQUIREMENTS FOR RECYCLED WATER USE; DEVINE & WOOD FARMING, INC.; COALINGA DEVINE & WOOD RECYCLING PROJECT; FRESNO COUNTY

On 23 April 2018, Central Valley Water Board staff received a Title 22 Engineering Report dated March 2018 signed and stamped by Mr. Alfonso Manrique, a California registered professional civil engineer (RCE 63673), on behalf of Devine & Wood Farming, Inc. (Administrator), for coverage under State Water Resources Control Board's Water Quality Order 2016-0068-DDW, *Water Reclamation Requirements for Recycled Water Use* (General Order). Subsequently, on 11 December 2018, Mr. Manrique submitted a revised Title 22 Engineering Report dated September 2018. On 25 October 2018, the State Water Resources Control Board, Division of Drinking Water (DDW) approved the September 2018 Title 22 Engineering Report. In addition to the Title 22 Engineering Reports, our office received a Notice of Intent (NOI) and Form 200 signed by Donald Devine, Vice-President of Devine & Wood Farming, Inc., on 7 February 2019 requesting coverage under the General Order.

This memorandum provides a summary of Central Valley Water Board staff's review of the Title 22 Engineering Report and evaluates if the proposed discharge of disinfected tertiary recycled water to 2,203 acres of land for recycled water uses is eligible for enrollment under the General Order.

BACKGROUND INFORMATION

The California Department of Corrections and Rehabilitation (Producer) owns and operates the Pleasant Valley State Prison wastewater treatment facility (WWTF) in

KARL E. LONGLEY ScD, P.E., CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

Coalinga. Waste Discharge Requirements (WDRs) Order R5-2016-0092 allows a discharge of up to 0.63 million gallons per day (mgd) of disinfected secondary-2.2 recycled water to four lined storage ponds prior to being used by Devine & Wood Farming, Inc. WDRs Order R5-2016-0092 also allows for upgrades to the WWTF to produce disinfected tertiary recycled water.

On 1 June 1995, the Producer and Devine & Wood Farming, Inc. entered into an agreement for Devine & Wood Farming, Inc. to use the disinfected secondary-2.2 recycled wastewater generated from the Pleasant Valley State Prison WWTF on its 1,575 acres of farmland. The June 1995 agreement expired on 31 May 2015. By letter 4 May 2015, both the Producer and Devine & Wood Farming, Inc. extended the terms of their agreement through the construction of the upgraded WWTF (discussed below). In the interim, until the Producer and Devine & Wood Farming, Inc. sign a new agreement, the two parties will continue to operate under the terms of the June 1995 agreement.

Water Reclamation Requirements (WRRs) Order 98-054 specifies reclamation requirements for the use of disinfected secondary water generated from the Pleasant Valley State Prison WWTF (prior to the 2018 upgrades) to 1,575 acres of farmland owned by Devine & Wood Farming, Inc. A list of the parcels authorized to receive recycled water in Order 98-054 are listed in Table 1 below.

Table 1 - Use Areas Permitted Under WRRs Order 98-054

Assessor Parcel Number	Acres
085-020-43S	118.59
085-020-41S	299.09
085-020-22S	40
085-060-12S	320
085-320-31S	400
085-320-30S	160
085-320-16S	80
085-320-14S	157.58
Total	1575.26

DESCRIPTION OF DISCHARGE

Upgrades to the WWTF were completed in 2018. According to the September 2018 Title 22 Engineering Report, the upgrades to the Pleasant Valley State Prison WWTF included: a submersible pump in Pond 4, a flocculation tank, a suspended air flotation unit, dual-media filters, a filtered effluent storage tank for filtered backwash, geotextile tubes for sludge dewatering, and a second chlorine contact tank.

The upgraded configuration of the Pleasant Valley State Prison WWTF is as follows: headworks with a primary mechanical bar screen and a backup manual bar, four aerated ponds operated in series, coagulation/flocculation tank, flocculation chamber, suspended air flotation unit, dual-media filtration, two chlorine contact tanks operated in series, four storage ponds, and geotextile tube for sludge dewatering.

According to the September 2018 Title 22 Engineering Report, the recycled water use project consists of a total of approximately 2,353 acres of farmland owned and operated by Devine & Wood Farming, Inc. After discussions with Mr. Manrique, it was discovered that assessor parcel numbers (APNs) 085-060-38S (69.89 acres) and 085-320-15S (80 acres) are no longer owned by Devine & Wood Farming, Inc. The actual acreage proposed for this recycled water use project is about 2,203 acres of which 1,405 acres are planted with nut trees (pistachios) and 798 acres are planted with fodder crop, as shown on Table 2.

Table 2 - Proposed Use Area

Assessor Parcel Number	Acreage	Crop
085-020-22S	40	Pistachio
085-020-24S	80	Pistachio
085-020-25	80	Pistachio
085-020-55S	278.48	Pistachio
085-020-56S	40	Pistachio
085-020-57S	99.20	Pistachio
085-060-33S	160	Pistachio
085-060-34S	160	Pistachio
085-060-37S	428.79	Pistachio
085-060-40S	39.01	Pistachio
085-320-14S	157.58	Fodder Crop
085-320-16S	80	Fodder Crop
085-320-30S	160	Fodder Crop
085-320-31S	400	Fodder Crop
Total	2,203	

Irrigation practices will consist of applying recycled water by drip irrigation (pistachios) or above ground grated pipe (fodder crops). Nut tree orchards (almond or pistachios) will be irrigated with disinfected tertiary recycled water year-round unless the Pleasant Valley State Prison WWTF produces a lower quality recycled water. Section 2.8 Contingency Plan of the September 2018 Title 22 Engineering Report discusses contingency measures that will be implemented to prevent the delivery of treated wastewater that does not meet the requirements of disinfected tertiary recycled water to Devine & Wood Farming, Inc.

As part of the contingency plan, wastewater that does not meet the requirements of disinfected tertiary recycled water will be temporarily stored in Storage Pond 1 until the system is back to normal operations. Because there is no connection between the treatment ponds and the storage ponds, wastewater will be pumped back to the treatment ponds using portable hoses and pumps.

A second contingency measure consists of closing the valve at the delivery point of the recycled water. The valve will remain closed until the Producer has notified Devine & Wood Farming, Inc. that the quality of wastewater has been restored. Lastly,

wastewater not meeting disinfected tertiary recycled water requirements will be applied to the parcels cropped with fodder crops (APNs 085-320-14S, 085-320-16S, 085-320-30S, and 085-320-31S).

DIVISION OF DRINKING WATER (DDW) CONSIDERATIONS

Devine & Wood Farming, Inc. submitted a Title 22 Engineering Report dated March 2018 and a revised Title 22 Engineering Report dated September 2018 to Division of Drinking Water for review of their proposed water reclamation project. On 25 October 2018, DDW sent an approval letter with recommendations. Central Valley Water Board staff will incorporate these requirements in the Notice of Applicability (NOA).

The requirements are as follows:

1. Devine & Wood Farming, Inc. should consider placing appropriately sized reclaimed water signs at 500-foot intervals around the Use Areas, and at all entry/exit roads into the Use Areas.
2. Permanent above-ground piping should be clearly identified as recycled water with either purple pipe material or purple paint. Temporary above-ground piping for recycled water should also have proper coloring or labeling for easy identification.

MONITORING REQUIREMENTS

Monitoring requirements included in the following section from Attachment B of the General Order are appropriate for this discharge:

- Use Area Monitoring

COMMENTS

Based on the information provided in the NOI, the September 2018 Title 22 Engineering Report, and the October 2018 Division of Drinking Water approval letter, the application of disinfected tertiary recycled water generated from the Pleasant Valley State Prison WWTF to the Use Areas described above is consistent with the requirements of the General Order.

Provision G.11 of WDRs Order R5-2016-0092 requires the Producer and/or User of the disinfected tertiary recycled water generated from the Pleasant Valley State Prison WWTF to submit a NOI for the coverage under the General Order prior to applying disinfected tertiary recycled water; a Title 22 Engineering Report; and approval letter of the Title 22 Engineering Report from the Division of Drinking Water. Provision G.11 of WDRs Order R5-2016-0092 is considered satisfied with the issuance of this NOA by the Executive Officer.

Provision G.13 of WDRs Order R5-2016-0092 requires the Producer to submit a technical report and certification demonstrating the upgrades to the WWTF have been completed and treated wastewater can meet the requirements of disinfected tertiary recycled water. The Producer has not submitted the required technical report and certification. Therefore, Provision G.13 of WDRs Order R5-2016-0092 is still

outstanding at the time of issuing this NOA. It is Central Valley Water Board staff's understanding that the Producer is in the process of finalizing the technical report and certification for submittal.