



**Central Valley Regional Water Quality Control Board**

20 January 2016

Teresa Tanaka, Utility Department  
Administrator  
Calaveras County Water District  
P.O. Box 846  
San Andreas, CA 95249

**CERTIFIED MAIL**  
**7014 3490 0001 3008 2855**

**NOTICE OF APPLICABILITY**

**STATE WATER RESOURCES CONTROL BOARD ORDER WQ 2014-0153-DWQ- R5190  
GENERAL WASTE DISCHARGE REQUIREMENTS FOR  
SMALL DOMESTIC WASTEWATER TREATMENT SYSTEMS  
CALAVERAS COUNTY WATER DISTRICT  
ARNOLD WASTEWATER TREATMENT PLANT  
CALAVERAS COUNTY**

On 28 May 2015, the Calaveras County Water District (hereafter “CCWD or Discharger”), submitted a Report of Waste Discharge (RWD) for the Arnold Wastewater Treatment Plant (WWTP). Based on the information presented in the RWD, the wastewater treatment system and discharge is consistent with the requirements of the State Water Resources Control Board (State Water Board) Water Quality Order 2014-0153-DWQ *General Wastescharge Requirements for Small Domestic Wastewater Treatment Systems* (General Order). This letter provides notice that the General Order is applicable to the site as described below. You are hereby assigned General Order 2014-0153-DWQ-R5190 for the facility.

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 treatment and disposal methods must be completed in accordance with the appropriate treatment system sections of the General Order and the attached *Monitoring and Reporting Program* (MRP) 2014-0153-DWQ-R5190. This MRP was developed after consideration of your waste characterization and site conditions described in the RWD.

**1. REGULATORY BACKGROUND**

The WWTP is currently regulated under Waste Discharge Requirements (WDRs) Order R5-97-073, which was adopted on 25 April 1997. The WWTP provides treatment and disposal service for wastewater generated from the community of Arnold. Recently

CCWD added Mill Woods subdivision into the WWTP service area. Mill Woods subdivision had a community leachfield system for wastewater disposal, which was regulated under WDRs R5-88-028. CCWD closed Mill Woods leachfield system and WDRs R5-88-028 was rescinded by the Central Valley Regional Water Quality Control Board on its 5 June 2015 Board meeting (Order R5-2015-0091). This Notice of Applicability (NOA) regulates the WWTP and WDR Order R5-97-073 will be rescinded.

## **2. FACILITY AND DISCHARGE DESCRIPTION**

The WWTP is located at 3294 Highway 4 in Arnold, in Section 6 & 7, Township 4 North, Range 15 East, MDB&M. The site location is shown on Attachment A, which is attached hereto and is made part of this NOA by reference. CCWD owns and operates the existing WWTP. The facility receives domestic wastewater generated from the Arnold and Mill Woods subdivisions. It also receives a small amount of domestic wastewater from Avery Middle School and Safari Mobil Home Park in Avery. The total equivalent dwelling units (EDU) are approximately 835 including 240 commercial EDUs. Mill Woods subdivision has approximately 185 EDUs.

The existing WWTP consists of a bar screen, an oxidation ditch, a secondary clarifier, a chlorine injection system, sand filters, effluent storage tanks, land application areas (LAAs), two aerobic sludge digesters, a belt filter press, and two concrete sludge drying beds. A site plan is presented on Attachment B, which is attached hereto and is made part of this NOA. After treatment in the oxidation ditch and the clarifier, the wastewater is disinfected by the chlorine injection system and then is pumped through the pressure filters to a 262,500-gallon metal storage tank. Effluent from the storage tank is applied to the LAAs. The treatment process is shown schematically on Attachment C, which is attached hereto and is made part of this NOA.

The WWTP has a maximum design capacity of 0.17 million gallons per day (MGD). In the last five years, the combined influent flows from Arnold and Millwoods collection system averaged 82,296 gpd with a range from 58,300 to 151,595 gpd. High flows occurred during the wet season indicating inflow and infiltration (I&I) in the collection system. CCWD is addressing I&I with gradual system improvements and maintenance. Based on the 2014 effluent monitoring data, the average concentrations of specific conductivity, total nitrogen and BOD were 708  $\mu\text{mhos/cm}$ , 33 mg/L, and 10 mg/L, respectively.

The LAAs includes of 11 percolation beds (3.3 acres) for subsurface disposal and 22 acres of spray fields. *Arnold Wastewater Treatment Plant Discharge Capacity Evaluation* dated 28 May 2015 stated that the percolation beds are referred to as leach fields in CCWD records. CCWD ceases spray field discharge during rain or when ground is saturated and uses the percolations beds for disposal. CCWD owns an adjacent parcel of 10.6 acres suitable for complete replacement of all the percolation beds or for additional sprayfields, if needed.

The influent grit and screenings are hauled offsite to a permitted landfill facility. Sludge is dewatered by the belt filter press and then is further dried on the sludge drying beds in

order to meet the pathogen and vector attraction reduction requirements for Class B biosolids. All biosolids are transported to Synagro for disposal.

There are three groundwater monitoring wells on site, including one background well MW-1 and two downgradient wells MW-2 and MW-4. The 2014 Groundwater Annual Report indicates that nitrate nitrogen concentrations in downgradient wells are greater than that in the upgradient well, but were less than the Primary Maximum Contaminate Levels (MCL) of 10 mg/L for nitrate nitrogen. Average TDS concentrations in all wells are less than 100 mg/L.

### 3. SITE-SPECIFIC REQUIREMENTS AND EFFLUENT LIMITS

A copy of the General Order is enclosed with this NOA. The General Order is also available on the Internet at <[http://www.waterboards.ca.gov/board\\_decisions/adopted\\_orders/water\\_quality/2014/wqo2014\\_0153\\_dwq.pdf](http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2014/wqo2014_0153_dwq.pdf)>. The wastewater treatment operator must be familiar with the requirements contained in the General Order, this NOA, and the MRP.

Note that the General Order contains prohibitions and specifications that apply to all wastewater systems, and specifications that apply only to specific treatment and/or disposal systems. In addition to the requirements that apply to all systems, the specific requirements and effluent limits for your treatment system are summarized below.

#### A. Prohibitions

Except A.9 through A.11, this section applies to the WWTP.

#### B. Requirements by Wastewater System Type

The following sections apply in their entirety.

##### B.1. All Wastewater Systems

##### B.1.a. Effluent flow limit

The influent flow shall not exceed 100,000 gpd as a monthly average.

##### B.1.i. Wastewater system setbacks.

Equipment or Activity	Domestic Well	Flowing Stream	Ephemeral Stream Drainage	Property Line	Lake or Reservoir
Treatment System, Collection System <sup>1</sup>	100 ft.	50 ft.	50 ft.	5 ft.	200 ft.
Subsurface Disposal Area (percolation beds) <sup>2</sup>	100 ft.	100 ft.	50 ft.	5 ft.	100 ft.
LAAs (disinfected sec-2.2 or sec-23 recycled water) <sup>3</sup>	100 ft.	50 ft.	50 ft.	100 ft	200 ft.
Spray Irrigation <sup>4</sup>	No spray irrigation of any recycled water, other than disinfected tertiary recycled water, shall take place within 100 feet of a residence or a place where public exposure could be similar to				

Equipment or Activity	Domestic Well	Flowing Stream	Ephemeral Stream Drainage	Property Line	Lake or Reservoir
	that of a park, playground, or school yard.				

1. Reference setbacks from "Septic Tank, Aerobic Treatment Unit, Treatment System, or Collection System" in Table 3 of General Order.
2. Reference setbacks from "Leach Field" in Table 3 of General Order.
3. Reference setbacks from "LAA (disinfected sec-2.2 or sec-23 recycled water)" in Table 3 of General.
4. Reference setbacks from "Spray Irrigation" in Table 3 of General.

**B.6. Subsurface Disposal System**

The section applies to the 3.3 acres of percolation beds.

**B.7. Land Application**

The section applies to the spray fields.

**B.8. Sludge/Solids/Biosolids Disposal**

The section applies to the facility.

**C. Groundwater and Surface Water Limitations**

This section applies in its entirety.

**D. Effluent Limitations**

This section applies in its entirety and shall include the following site specific limitations.

Constituent	Units	Limit
BOD	mg/L	30 (monthly average), 45 (7-day average)
Total Suspended Solids	mg/L	30 (monthly average), 45 (7-day average)
Total Coliform	MPN/100 mL	23 (no more than one sample in 30 day period) 240 (daily maximum)

The above limitations apply to the effluent wastewater prior to discharge to LAAs.

**4. MONITORING AND REPORTING PROGRAM**

The Discharger shall comply with the attached MRP 2014-0153-DWQ-R5190, which is attached hereto and made part of this NOA by reference. Effluent samples shall be collected upstream of the point of discharge to the disinfected tertiary recycled water storage tank and subsurface disposal area as indicated in Attachment C.

**5. ENFORCEMENT**

Please review this NOA carefully to ensure that it completely and accurately reflects the discharge. Discharge of wastes other than those described in this NOA is prohibited. Prior to allowing changes to the wastewater strength or generation rate, or if the method of waste disposal changes from that described in the RWD, you must contact the Central Valley Regional Water Board to determine if submittal of an RWD is required.

CCWD is responsible for compliance with this NOA, MRP, and General Order WQ 2014-0153-DWQ-R5190, with all attachments. Failure to comply with the requirements in the General Order and this NOA could result in an enforcement action as authorized by provisions of the California Water Code.

## 6. ANNUAL FEES

Staff has determined the discharge is a threat to water quality and complexity rating of 3-B. The current annual fee corresponding to a threat to water quality and complexity of 3-B is currently \$4,699. The fee is due and payable on an annual basis until coverage under the General Order is formally rescinded. Please note that the annual fees are reviewed each year and may change. If the wastewater discharge ceases and to avoid additional billing, you must provide written notice so that we may terminate coverage under the General Order.

## 7. DOCUMENT SUBMITTAL

All monitoring reports and other correspondence should be converted to searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50 MB should be emailed to: [centralvalleysacramento@waterboards.ca.gov](mailto:centralvalleysacramento@waterboards.ca.gov).

To ensure that your submittal is routed to the appropriate staff person, the following information should be included in the body of the email or any documentation submitted to the mailing address for this office:

Facility Name: Arnold WWTP, Calaveras County		
Program: Non-15 Compliance	Order: 2014-0153-DWQ-R5190	CIWQS Place ID: 206381

Documents that are 50 MB or larger should be transferred to a CD, DVD, or flash drive and mailed to:

Central Valley Regional Water Quality Control Board  
ECM Mailroom  
11020 Sun Center Drive, Suite 200  
Rancho Cordova, CA 95670

Teresa Tanaka  
Calaveras County Water District  
Arnold Wastewater Treatment Plant

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20 January 2016

Now that the Notice of Applicability has been issued, the Board's Compliance and Enforcement section will take over management of your case. Kenny Croyle is your new point of contact for any questions about the Waiver. If you find it necessary to make a change to your permitted operations, Kenny will direct you to the appropriate Permitting staff. You may contact Kenny at (916) 464-4676 or at [Kenny.Croyle@waterboards.ca.gov](mailto:Kenny.Croyle@waterboards.ca.gov).

Handwritten signature of Andrew Altroft in cursive, followed by the word "For" in a smaller font.

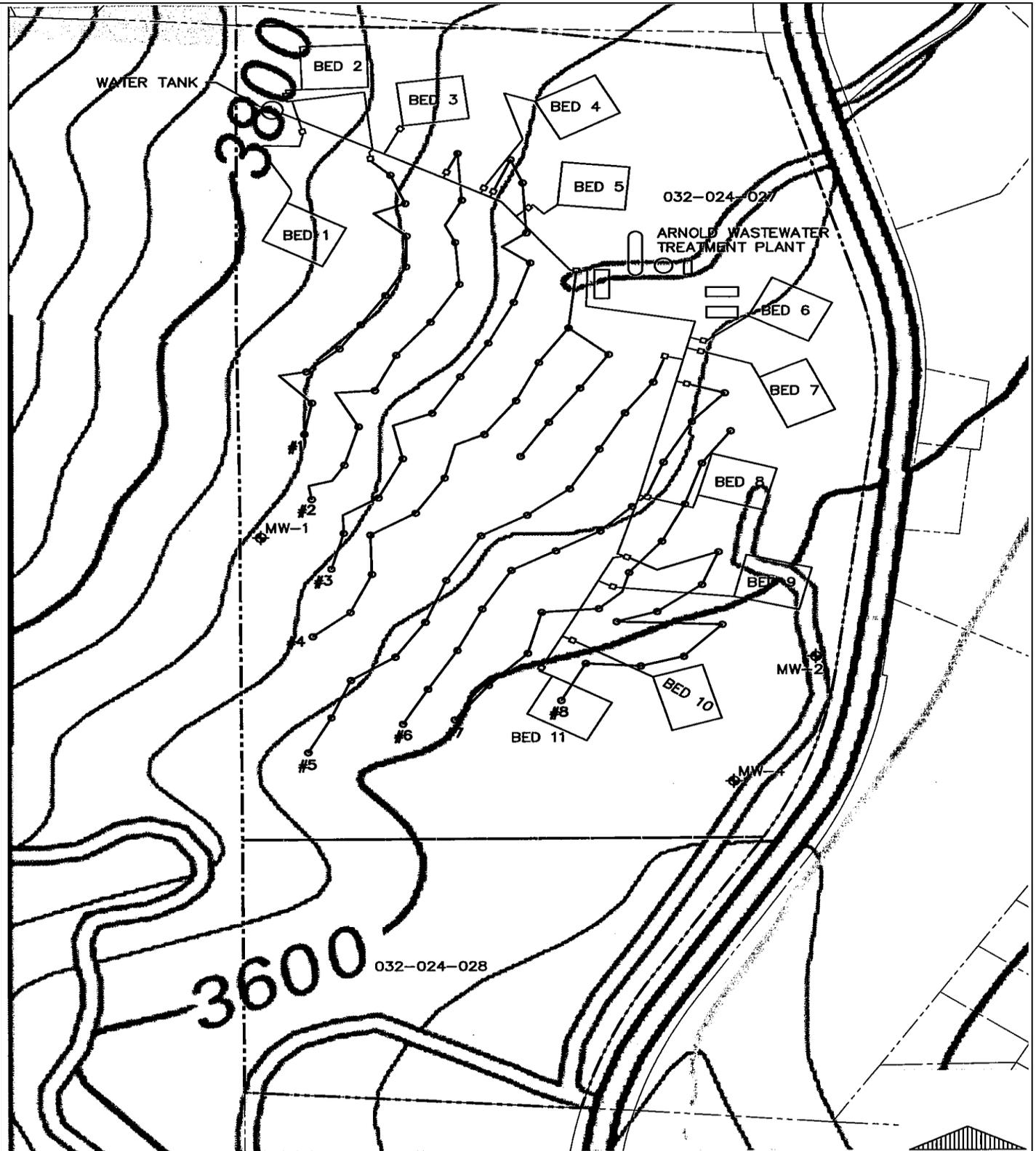
Pamela C. Creedon  
Executive Officer

Attachments: Monitoring and Reporting Program 2014-0153-DWQ-R5190  
State Water Resources Control Board Order WQ 2014-0153-DWQ

cc w/out attachments:

Brian Moss, Calaveras County Environmental Health Department, San Andreas





**LEGEND**

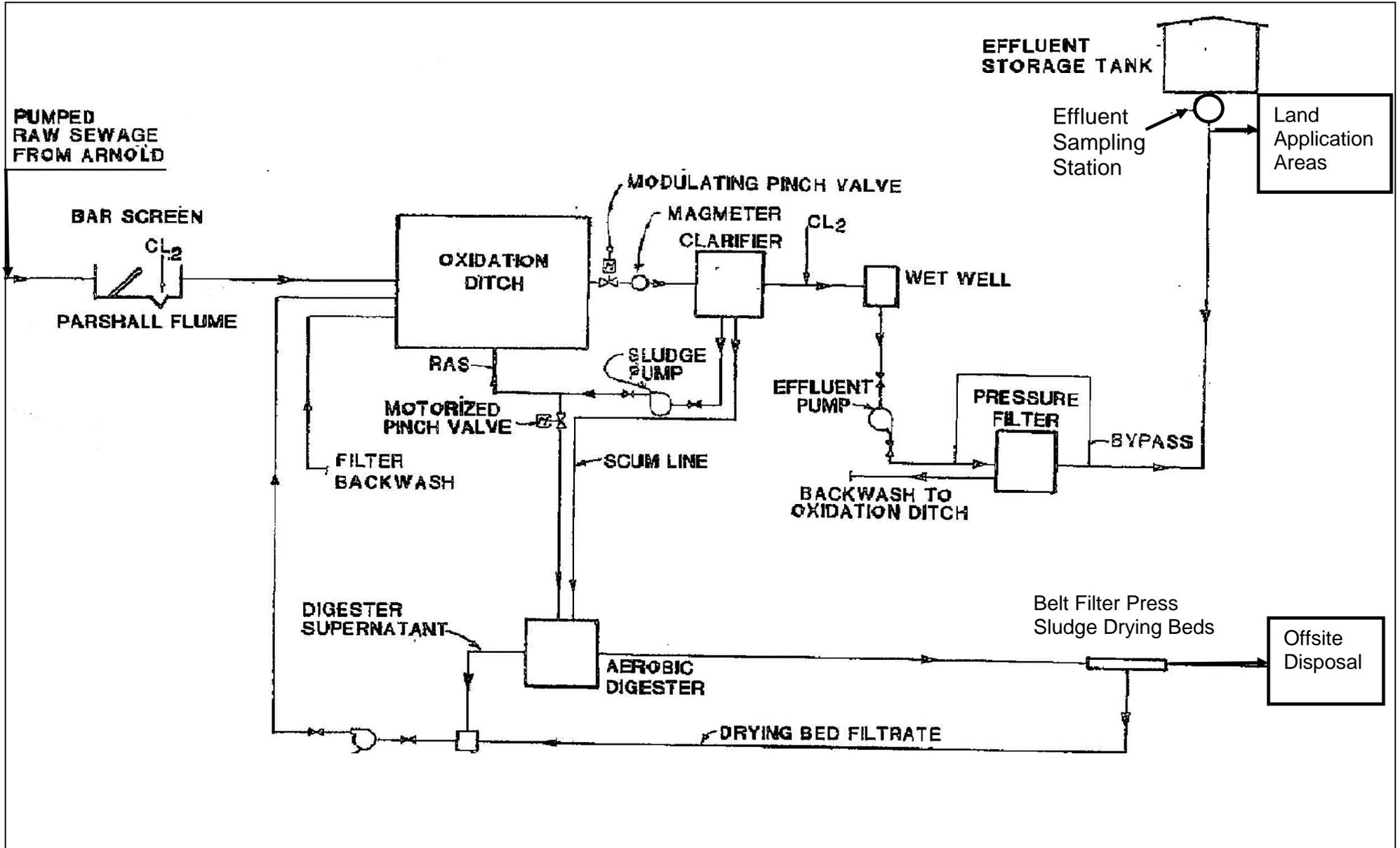
◆ = MONITOR WELL



BACKGROUND IMAGE: USGS 7.5 MINUTE QUADRANGLE, STANISLAUS 2012

Drawing Reference:  
 RWD, Discharge Capacity  
 Evaluation, May 2015

SITE PLAN  
 CALAVERAS COUNTY WATER DISTRICT  
 ARNOLD WASTEWATER TREATMENT PLANT  
 CALAVERAS COUNTY



Drawing Reference:  
RWD, March 2015

PROCESS SCHEMATIC  
CALAVERAS COUNTY WATER DISTRICT  
ARNOLD WASTEWATER TREATMENT PLANT  
CALAVERAS COUNTY

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION  
MONITORING AND REPORTING PROGRAM 2014-0090-R5190

FOR  
CALAVERAS COUNTY WATER DISTRICT  
ARNOLD WASTEWATER TREATMENT PLANT  
CALAVERAS COUNTY

This Monitoring and Reporting Program (MRP) is issued pursuant to Water Code section 13267. The Discharger shall not implement any changes to this MRP unless and until the Central Valley Water Board adopts, or the Executive Officer issues, a revised MRP.

All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. Except as specified otherwise in this MRP, grab samples will be considered representative of water, wastewater, soil, solids/sludges, and groundwater.

The time, date, and location of each sample shall be recorded on the sample chain of custody form. All analyses shall be performed in accordance with the *Standard Provisions and Reporting Requirements for Waste Discharge Requirements*, dated 1 March 1991 (Standard Provisions). Field test instruments (such as those used to measure pH electrical conductivity, dissolved oxygen, wind speed, and precipitation) may be used provided that:

1. The operator is trained in proper use and maintenance of the instruments;
2. The instruments are field calibrated at the frequency recommended by the manufacturer;
3. The instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and
4. Field calibration reports are submitted as described in the "Reporting" section of the MRP.

Laboratory analytical procedures shall comply with the methods and holding times specified in the following (as applicable to the medium to be analyzed):

- *Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater* (EPA);
- *Test Methods for Evaluating Solid Waste* (EPA);
- *Methods for Chemical Analysis of Water and Wastes* (EPA);
- *Methods for Determination of Inorganic Substances in Environmental Samples* (EPA);
- *Standard Methods for the Examination of Water and Wastewater* (APHA/AWWA/WEF); and
- *Soil, Plant and Water Reference Methods for the Western Region* (WREP 125).

Approved editions shall be those that are approved for use by the United States Environmental Protection Agency or the California Department of Public Health's Environmental Laboratory Accreditation Program (ELAP). The Discharger may propose alternative methods for approval by the Executive Officer. Where technically feasible, laboratory reporting limits shall be lower than the applicable water quality objectives for the constituents to be analyzed.

### INFLUENT MONITORING

Samples of influent wastewater shall be collected at approximately the same time as effluent samples and should be representative of the influent flow to the treatment plant. At a minimum, influent monitoring shall consist of the following:

<u>Constituent/Parameter</u>	<u>Units</u>	<u>Sample Type</u>	<u>Monitoring Frequency</u>	<u>Reporting Frequency</u>
Flow	gpd	Meter Observation	Continuous	Quarterly
BOD <sub>5</sub> <sup>1</sup>	mg/L	Grab	Monthly	Quarterly
Total Nitrogen	mg/L	Grab	Monthly	Quarterly

<sup>1</sup> 5-day biochemical oxygen demand.

### EFFLUENT MONITORING

Samples of effluent shall be taken at the point of discharge to the disposal facility. At a minimum, effluent monitoring shall consist of the following:

<u>Constituent</u>	<u>Units</u>	<u>Sample Type</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Total Coliform Organisms	MPN /100 mL	Grab	Weekly	Quarterly
BOD <sub>5</sub>	mg/L	Grab	Monthly	Quarterly
Total Dissolved Solids	mg/L	Grab	Monthly	Quarterly
Total Nitrogen	mg/L	Grab	Monthly	Quarterly
Total Suspended Solids	mg/L	Grab	Monthly	Quarterly
pH	Standard	Grab	Monthly	Quarterly
Standard Minerals <sup>1</sup>	mg/L	Grab	Annually	Annually

<sup>1</sup> Standard minerals shall include, at a minimum, the following elements/compounds: Boron, Calcium, Dissolved Iron, Magnesium, Dissolved Manganese, Sodium, Potassium, Chloride, Sulfate, Total Alkalinity (including alkalinity series), and Hardness.

### LAND APPLICATION AREA MONITORING

Leachfield (percolation bed) monitoring will consist of a visual inspection of the leachfield and the downslope areas. When wastewater is discharged to the leachfields, these areas will be monitored on a weekly basis for the presence of surfacing effluent, seepage, objectionable odors, any areas of saturation, and signs of erosion. In addition, the leachfields observation ports will be monitored for the presence of water on a weekly basis when the leachfields are used. If water is observed, then the depth to water will be reported. Leachfield monitoring results shall be included in the monitoring reports.

Inspections of the spray disposal areas shall be conducted daily (during operation) and the results shall be included in the monitoring report. Evidence of erosion, field saturation, runoff, presence of nuisance, and other field conditions shall be noted in the report. Daily rainfall data, discharge volumes, and total acres irrigated shall also be noted in the monitoring reports.

<u>Constituent</u>	<u>Units</u>	<u>Sample Type</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Flow to Leachfield	gpd	Meter observation	Monthly	Quarterly
Flow to Spray Field	gpd	Meter observation	Monthly	Quarterly
Spray Field Acreage Applied	acres	Calculated	Monthly	Quarterly
Water Application Rate <sup>1</sup>	inches/day	Calculated	Monthly	Quarterly
Rainfall <sup>2</sup>	inches	Observation	Monthly	Quarterly
Tailwater Runoff	--	Observation	Monthly	Quarterly

<sup>1</sup> Average calculated for each spray field.

<sup>2</sup> Rainfall data collected from the weather station that is nearest to the LAAs or a properly maintained onsite rain gauge.

### GROUNDWATER MONITORING

Semi-annual groundwater monitoring shall occur in the first and the third quarter of each calendar year. Groundwater samples shall be collected from each groundwater monitoring well. Samples shall be collected and analyzed using standard EPA methods.

Prior to sampling, depth to groundwater measurements shall be measured in each monitoring well to the nearest 0.01 feet. Groundwater elevations shall then be calculated to determine groundwater gradient and flow direction, based on surveyed well casing elevations. Monitoring wells to be sampled shall be purged of at least three well volumes until temperature, pH, and electrical conductivity have stabilized. Low or no-purge sampling methods are acceptable, if described in an approved Sampling and Analysis Plan. Groundwater monitoring shall include, at a minimum, the following:

<u>Constituents/Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling and Reporting Frequency</u>
Groundwater Elevation	0.01 feet	Measurement	Semi-annually
Depth to groundwater	± 0.01 feet	Measured	Semi-annually
Gradient	feet/feet	Calculated	Semi-annually
Gradient Direction	Degrees	Calculated	Semi-annually
Total Coliform Organisms	MPN/100 ml	Grab	Semi-annually
Dissolved Manganese	mg/L	Grab	Semi-annually
Dissolved Iron	mg/L	Grab	Semi-annually
Nitrate as Nitrogen	mg/L	Grab	Semi-annually
Total Kjeldahl Nitrogen	mg/L	Grab	Semi-annually
Total Dissolved Solids	mg/L	Grab	Semi-annually
pH	pH units	Grab	Semi-annually

<u>Constituents/Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling and Reporting Frequency</u>
Standard Minerals <sup>1</sup>	mg/L	Grab	Annually

<sup>1</sup> Standard Minerals shall include the following compounds: Boron, Calcium, Chloride, Magnesium, Sodium, Chloride, Sulfate, Total Alkalinity (including alkalinity series), and Hardness.

### BIOSOLIDS MONITORING

At a minimum, one composite sample of biosolids shall be collected annually in accordance with the U.S. EPA's POTW Sludge Sampling and Analysis Guidance Document, August 1989, and tested for the following constituents:

<u>Constituents/Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling and Reporting Frequency*</u>
Cadmium	mg/Kg	Grab	Annually
Lead	mg/Kg	Grab	Annually
Chromium	mg/Kg	Grab	Annually
Nickel	mg/Kg	Grab	Annually
Copper	mg/Kg	Grab	Annually
Zinc	mg/Kg	Grab	Annually

\* A sampling program, consistent with the required Solids Management Plan specified in Provision G. 1.d, shall be implemented and reported 90 days prior to handling, storage, and/or disposal. A log shall be kept to document biosolids quantities generated; sampling dates; analytical reports; and actual handling, storage and disposal practices. Sampling records shall be retained for a minimum of five years.

### WATER SUPPLY MONITORING

The Discharger shall obtain and analyze representative samples of the water supply. The results shall be presented in the Annual Summary Monitoring Report.

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Standard Minerals <sup>1</sup>	mg/L	Grab	Annually
Total Dissolved Solid	mg/L	Grab	Annually

<sup>1</sup> Standard Minerals shall include, at a minimum, the following elements/compounds: Boron, Calcium, Magnesium, Sodium, Potassium, Chloride, Nitrate, Sulfate, Total Alkalinity (including alkalinity series), and Hardness.

### REPORTING

All monitoring reports should be converted to a searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50MB should be emailed to: [centralvalleysacramento@waterboards.ca.gov](mailto:centralvalleysacramento@waterboards.ca.gov).

Documents that are 50 MB or larger should be transferred to a CD, DVD, or flash drive and mailed to the following address:

Central Valley Regional Water Quality Control Board  
ECM Mailroom  
11020 Sun Center Drive, Suite 200  
Rancho Cordova, California 95670

Please include a transmittal sheet that includes the following:

Attention: Compliance/Enforcement Section  
Calaveras County Water District  
Arnold Wastewater Treatment Plant  
Calaveras County  
Place ID: 206381

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., effluent, pond, etc.), and reported analytical result for each sample are readily discernible. The data shall be summarized in such a manner to clearly illustrate compliance with waste discharge requirements and spatial or temporal trends, as applicable. The results of any monitoring done more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported in the next scheduled monitoring report.

Laboratory analysis reports do not need to be included in the monitoring reports; however, all laboratory reports must be retained for a minimum of three years in accordance with Standard Provision C.3. For a Discharger conducting any of its own analyses, reports must be signed and certified by the chief of the laboratory.

In addition to the requirements of Standard Provision C.3, monitoring information shall include the method detection limit (MDL) and the Reporting limit (RL) or practical quantitation limit (PQL). If the regulatory limit for a given constituent is less than the RL (or PQL), then any analytical results for that constituent that are below the RL (or PQL) but above the MDL shall be reported and flagged as estimated.

As required by the California Business and Professions Code Sections 6735, 7835, and 7835.1, all groundwater monitoring reports shall be prepared under the direct supervision of a registered professional engineer or geologist and signed by the registered professional.

#### **A. Quarterly Monitoring Reports**

Quarterly reports shall be submitted to the Regional Board by the **1<sup>st</sup> day of the second month** following the end of the reporting period (i.e., the January-March report is due by 1 May). At a minimum the reports shall include:

1. Results of all required monitoring;

2. A comparison of monitoring data to the discharge specifications and an explanation of any violation of those requirements. Data shall be presented in tabular format; and
3. If requested by staff, copies of laboratory analytical report(s).

#### **B. Semi-Annual Monitoring Reports**

Semi-annual monitoring reports shall be submitted to the Central Valley Water Board by the **1<sup>st</sup> day of August** (for the first six months of the year) and **1<sup>st</sup> day of February the following year** (for the last six months of the year). The Semi-Annual Monitoring Reports shall include the following:

1. Results of groundwater monitoring for all monitoring and sampling events during the last six months;
2. A narrative description of all preparatory, monitoring, sampling, and analytical testing activities for the groundwater monitoring. The narrative shall be sufficiently detailed to verify compliance with the WDR, this MRP, and the Standard Provisions and Reporting Requirements. The narrative shall be supported by field logs for each well documenting depth to groundwater; method of purging and parameters measured before, during, and after purging. Low or no-purge sampling methods are acceptable if described in an approved Sampling and Analysis Plan;
3. Calculation of groundwater elevations, an assessment of the groundwater flow direction and gradient on the date of measurement, comparison to previous flow direction and gradient data, and discussion of seasonal trends, if any;
4. A narrative discussion of the analytical results for all media and locations monitored, including spatial and temporal trends, with reference to summary data tables, graphs, and appended analytical reports (as applicable);
5. A comparison of monitoring data to the discharge specifications, groundwater limitations and surface water limitations, and explanation of any violation of those requirements;
6. Summary data tables of historical and current water table elevations and analytical results;
7. A scaled map showing relevant structures and features of the facility, the locations of monitoring wells and other sampling stations, and groundwater elevation contours referenced to mean sea level datum, and
8. Copies of laboratory analytical report(s).

### **C. Annual Report**

The Annual Report shall be submitted to the Regional Board by **1 February** each year. The Annual Report shall include the following:

1. The results from annual monitoring of effluent, groundwater, biosolids, and water supply;
2. Summary of the monthly average and annual total influent flow; and a comparison of these results to the flow limitation of this Order;
3. Summary of the monthly and annual total effluent flow discharged to the spray fields and leachfields;
4. A digital database (Microsoft Excel) containing historic groundwater and effluent data;
5. An evaluation of the performance of the wastewater treatment system, as well as a forecast of the flows anticipated in the next year;
6. An evaluation of the groundwater quality beneath the wastewater treatment facility;
7. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program;
8. A discussion of compliance and the corrective actions taken, as well as any planned or proposed actions needed to bring the discharge into full compliance with the General Order and NOA;
9. Summary of information on the disposal of sludge and/or solid waste, including the quantity, disposal locations and dates, and the hauler names;
10. Monitoring equipment maintenance and calibration records, as described in Standard Provision C.4, and
11. A copy of the certification for each certified wastewater treatment plant operator working at the facility and a statement about whether the Discharger is in compliance with Title 23, CCR, Division 3, Chapter 26.

A transmittal letter shall accompany each monitoring report. The letter shall include a discussion of all violations of the General Order, NOA, and this MRP during the reporting period and actions taken or planned for correcting each violation. If the Discharger has previously submitted a report describing corrective actions taken and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory. Pursuant to Section B.3 of the Standard Provisions and General Reporting

Requirements, the transmittal letter shall contain a statement by the Discharger or the Discharger's authorized agent certifying under penalty of perjury that the report is true, accurate and complete to the best of the signer's knowledge.

The Discharger shall implement the above monitoring program as of the date of this Order.

Ordered by: Andrew Altvort For  
PAMELA C. CREEDON, Executive Officer

1/20/16

(Date)