



Central Valley Regional Water Quality Control Board

28 May 2019

Mike Casey
Harris Farms, Inc.
23300 W. Oakland Ave.
Coalinga, California 93210

CERTIFIED MAIL
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NOTICE OF APPLICABILITY (NOA) UNDER STATE WATER RESOURCES CONTROL BOARD ORDER WQ 2014-0153-DWQ-R5291; GENERAL WASTE DISCHARGE REQUIREMENTS FOR SMALL DOMESTIC WASTEWATER TREATMENT SYSTEMS; HARRIS FARMS, INC.; HARRIS FARMS LABOR HOUSING WASTEWATER TREATMENT SYSTEM; FRESNO COUNTY

On 8 November 2018, Harris Farms, Inc. (Discharger) in Fresno County submitted a Report of Waste Discharge (RWD) seeking coverage under State Water Resources Control Board (State Water Board) Water Quality Order 2014-0153-DWQ, *General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems* (General Order) for the Harris Farms Labor Housing Wastewater Treatment Facility (Facility) in Fresno County. Based on the information provided, the system treats and disposes of less than 100,000 gallons per day (gpd) and is therefore eligible for coverage under the general and specific conditions of the General Order. This letter serves as formal notice that the General Order is applicable to your system and the wastewater discharge described below upon the rescission of Order No. 82-016. You are hereby assigned General Order **2014-0153-DWQ-R5291** for your system.

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) No. 2014-0153-DWQ-R5291. This MRP was developed after consideration of your waste characterization and site conditions described in the attached memorandum.

DISCHARGE DESCRIPTION

The Facility is in Fresno County approximately 9.3 miles southwest of Five Points, at a point latitude and longitude 36.357° north and 120.204° west (see Attachment A). The Facility treats domestic wastewater produced from approximately 35 labor housing

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

1685 E Street, Fresno, CA 93706 | www.waterboards.ca.gov/centralvalley

units. For calendar years 2010 to 2014 (the flow meter broke in 2014), the largest single monthly average flow rate was 18,846 gpd. WDRs Order 82-016 specifies a maximum 30-day average flow limit of 20,000 gpd. The Facility consists of two aeration ponds (AP-1 and AP-1A) and five disposal ponds (DP-1 through DP-5).

A process flow diagram and facility layout are shown in Attachment B and C, respectively. Wastewater from the collection system flows by gravity to an influent lift station. The influent lift station is equipped with two submersible pumps. The lift station pumps the wastewater into either AP-1 or AP-1A. Each aeration pond is equipped with a floating mechanical aerator. If AP-1 is in use, wastewater flows to DP-1, DP-2, DP-3, DP-4 and DP-5 in series. If AP-1A is in use, wastewater flows to DP-5, DP-4, DP-3, DP-2, and DP-1 in series. The WWTF is currently operated and maintained by California Water Services, Inc. (CWS).

FACILITY SPECIFIC REQUIREMENTS

The Discharger will maintain exclusive control over the discharge and shall comply with the terms and conditions of this NOA, General Order 2014-0153-DWQ, with all attachments, and MRP No. 2014-0153-DWQ-R5291.

In accordance with Section B.1.a of the General Order, treated wastewater discharged to the Facility's evaporation ponds **shall not exceed 20,000 gpd as a monthly average**. Per the requirements of the General Order, discharges with flow rates less than 20,000 gpd are not required to meet the nitrogen effluent limit.

The General Order states in Section B.1.l. that the Discharger shall comply with the setbacks as described in Table 3. This table summarizes different setback requirements for wastewater system equipment, activities, land application areas, and storage and/or treatment ponds from sensitive receptors and property lines where applicable. The Discharger shall comply with the applicable setback requirements, as summarized in the following table:

Equipment or Activity	Domestic Well	Property Line
Aerobic Treatment Unit, Treatment System, or Collection System	150 ft. ¹	5 ft. ²
Impoundment (undisinfected secondary recycled water) ³	150 ft. ⁴	50 ft.

¹ Setback established by Onsite Wastewater Treatment System Policy, Section 7.5.6.

² Setback established by the California Plumbing Code, Table K-1.

³ Undisinfected secondary recycled water is defined in California Code of Regulations, title 22, section 60310.900.

⁴ Setback established by California Code of Regulations, title 22, section 60310(d).

The Discharger shall comply with all applicable sections in the General Order including:

- a. Aerobic treatment unit requirements specified in Section B.3 of the General Order and
- b. Pond system requirements specified in Section B.5 of the General Order.

As discussed in the attached memorandum, the *Water Quality Control Plan for the Tulare Lake Basin*, Third Edition, revised May 2018 (Tulare Lake Basin Plan) includes more stringent effluent limitations for 5-day biochemical oxygen demand (BOD₅) for discharges of domestic wastewater to land. Therefore, this NOA includes the effluent limitations required by the Tulare Lake Basin Plan for BOD for advanced primary treatment.

The Discharger shall not exceed the following effluent limitation for BOD₅ (as specified in the Tulare Lake Basin Plan):

Effluent Limitations for the Facility ¹		
Constituent	Units	Limit
BOD ₅	mg/L	70 (monthly average ²)

BOD₅ denotes five-day biochemical oxygen demand.

1. The limitations included in this table apply to the treated effluent discharged to the evaporation/percolation ponds (i.e., disposal ponds).
2. The monthly average concentration is the arithmetic mean of measurements recorded during a calendar month. If only one sample is collected in a calendar month, then that sample measurement is the monthly average concentration.

Provision E.1 of the General Order requires dischargers enrolled under the General Order to prepare and implement the following reports within **90 days** of the issuance of the NOA (by **26 August 2019**).

- Spill Prevention and Emergency Response Plan (Provision E.1.a.)
- Sampling Analysis Plan (Provision E.1.b.)
- Sludge Management Plan (Provision E.1.c.)

The General Order requires the Sludge Management Plan to be submitted to the Central Valley Water Board within **90 days** of issuance of this NOA.

Failure to comply with the requirements in this NOA, General Order 2014-0153-DWQ, with all attachments, and MRP No. 2014-0153-DWQ-R5291 could result in an enforcement action as authorized by provisions of the California Water Code. Discharge of wastes other than those described in this NOA is prohibited. If the method of waste disposal changes from that described in this NOA, you must submit a new Report of Waste Discharge describing the new operation. If the monthly average wastewater flows to the Facility substantially increase and approach 20,000 gpd, the

Central Valley Water Board staff must be contacted to determine if further analysis is required.

The Central Valley Water Board adopted Basin Plan amendments incorporating new programs for addressing ongoing salt and nitrate accumulation in the Central Valley at its 31 May 2018 Board Meeting. These programs, once effective, could change how the Central Valley Water Board permits discharges of salts and nitrate.

The required annual fee specified in the annual billing from the State Water Board shall be paid until this NOA is officially terminated. You must notify this office in writing if the discharge regulated by the General Order ceases, so that we may terminate coverage and avoid unnecessary billing.

The Central Valley Water Board has gone to a Paperless Office System. 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 50 MB should be emailed to: centralvalleyfresno@waterboards.ca.gov. Documents that are 50 MB 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, **WDID:** 5D101042002, **Facility Name:** Harris Farms Labor Housing Wastewater Treatment System. **Order:** 2014-0153-DWQ-R5291.

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 Board's web site at:

https://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2014/wqo2014_0153_dwq.pdf

Please note that Order 82-016 is tentatively scheduled to be rescinded at the 1/2 August 2019 Central Valley Water Board meeting. Upon rescission of your individual WDRs, coverage for your facility under the General Order shall become applicable subject to this Notice of Applicability. If you have any questions regarding this matter, please contact Jeff Robins by phone at (559) 445-5976, by email at jeff.robins@waterboards.ca.gov.

ORIGINAL SIGNED BY SCOTT J. HATTON FOR
Patrick Pulupa
Executive Officer

(see attachments and cc's next page)

Attachments: Attachment A – Facility and Service Area Map
Attachment B – Process Flow Diagram
Attachment C – Facility Layout
Monitoring and Reporting Program No. 2014-0153-DWQ-R5291
Review Memo of Harris Farms Labor Housing Wastewater Treatment
RWD
State Water Resources Control Board Order WQ 2014-0153-DWQ
(Discharger Only)

cc: Fresno County Environmental Health Services, Fresno, Ca.
Fresno County Planning Department, Fresno, Ca.
Alfonso Manrique, AM Consulting Engineers (via email)

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

Jeff Robins
Water Resource Control Engineer

DATE: 28 May 2019

SUBJECT: APPLICABILITY OF COVERAGE UNDER STATE WATER RESOURCES CONTROL BOARD ORDER WQ 2014-0153-DWQ; GENERAL WASTE DISCHARGE REQUIREMENTS FOR SMALL DOMESTIC WASTEWATER TREATMENT SYSTEMS; HARRIS FARMS, INC.; HARRIS FARMS LABOR HOUSING WASTEWATER TREATMENT SYSTEM; FRESNO COUNTY

On 8 November 2018, Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff received a Report of Waste Discharge (RWD) from Alfonso Manrique (RCE 63673) with AM Consulting Engineers, Inc. on behalf of Harris Farms, Inc. (Discharger) for the Harris Farms Labor Housing Wastewater Treatment Facility (Facility or WWTF) in Fresno County. The RWD includes Form 200 and a Facility description. This memorandum provides a summary of Central Valley Water Board staff's review of the RWD and the applicability of this discharge to be covered under State Water Resources Control Board Order WQ 2014-0153-DWQ, General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems (General Order).

BACKGROUND INFORMATION

The Discharger owns the Facility at the northwest quadrant of the intersection of Fresno Coalinga Road (California State Route 145) and West Cadillac Avenue in southwestern Fresno County (at a point latitude and longitude of 36.357° north and 120.204° west). The Facility is currently operated by California Water Services and regulated by Waste Discharge Requirements (WDRs) Order No. 82-016, which was adopted on 26

February 1982. The WDRs limits the discharge to 20,000 gallons per day (gpd) of domestic wastewater (as a 30-day average).

The Facility treats domestic wastewater produced from approximately 35 labor housing units along West Cadillac Avenue. As shown in Table 1 below, the average daily flow for the months with data, from January 2010 through March 2014 was 13,150 gpd. The Facility’s flow meter broke in 2014 and, according to the Discharger’s engineering consultant, California Water Services unsuccessfully replaced the meter in late January 2019. The meter was replaced again in early May 2019 and is reportedly now working.

Table 1. Wastewater Flows – (2010 - 2014)

	2010	2011	2012	2013	2014
Jan	11,364	10,870	9,271	12,015	14,400
Feb	12,666	11,522	11,270	NR	NR
Mar	18,846	10,379	12,084	15,892	12,780
Apr	14,665	11,091	11,530	NR	NR
May	14,078	9,946	12,151	16,349	NR
Jun	15,870	11,456	13,209	NR	NR
Jul	14,377	11,823	13,360	NR	NR
Aug	15,784	12,214	14,796	NR	NR
Sep	16,414	11,575	17,059	NR	NR
Oct	17,126	11,441	13,543	NR	NR
Nov	15,694	11,586	NR	NR	NR
Dec	11,339	10,240	13,229	13,852	NR
Average	14,852	11,179	12,864	14,527	13,590
Maximum	18,846	12,214	17,059	16,349	14,400
Minimum	11,339	9,946	9,271	12,015	12,780

NR = Not Reported

The water supply source for the Harris Farms Labor Housing community is the California Aqueduct, which is located approximately 3½ miles west of the property. Canal water is treated at a small surface water treatment facility located on the property. The surface water treatment system is permitted by the State Water Resources Control Board, Division of Drinking Water (domestic water supply permit number 03-23-09P-019). Source water quality for selected parameters is presented in Table 2.

Table 2. Source Water Quality Data – Average Values for 2018-2019

Electrical Conductivity (µmhos/cm)	TDS (mg/L)	Nitrate (as N) (mg/L)	Chloride (mg/L)	Sodium (mg/L)	Sulfate (as SO₄) (mg/L)
490 - 620 (555)	270 - 340 (305)	0.58 - 0.73 (0.655)	89 - 120 (104.5)	59 - 79 (69)	35 - 41 (38)

Note: Data is presented with range followed by the average (in parentheses) for data reported from January 2018 through January 2019.

POTENTIAL THREAT TO WATER QUALITY

Attachment B of the Notice of Applicability shows a process flow diagram for the Facility. The WWTF process includes an influent lift station with two submersible pumps. In the event of both pumps failing, the main lift station wet well is equipped with an emergency overflow that would convey sewer flows into an emergency storage pond until the operation of the lift pumps is restored. The Facility consists of unlined aeration ponds followed by evaporation/percolation ponds. Effluent from aeration ponds flows into five evaporation/percolation ponds operated in series. Table 3 shows the surface area and estimated storage capacity of each of the treatment and disposal ponds as reported in the November 2018 ROWD.

Table 3. Treatment and Disposal Pond Sizes

Pond	Surface Area (ac)	Depth (ft)	Volume (ac-ft)	Volume (gallons)
Aerated Pond 1 (AP-1)	0.16	10	1.03	335,627
Aerated Pond 1A (AP-1A)	0.21	10	1.39	452,933
Disposal Pond 1 (DP-1)	0.43	10	2.84	925,418
Disposal Pond 2 (DP-2)	0.17	10	1.12	364,954
Disposal Pond 3 (DP-3)	0.17	10	1.12	364,954
Disposal Pond 4 (DP-4)	0.22	10	1.45	472,485
Disposal Pond 5 (DP-5)	0.19	10	1.25	407,314
Total	1.55	--	10.20	3,323,685

Surface mechanical aerators are used in AP-1 and AP-1A to provide oxygen to the wastewater, keeping the ponds partially mixed. Only one of the aeration ponds is in operation at any given time. Periodically, the aeration pond being used is taken out of service for solids management and wastewater is then conveyed to the other aeration pond.

Order 82-016 only requires monitoring of influent wastewater flow rate, effluent electrical conductance, and pond dissolved oxygen. The effluent electrical conductivity (EC) values are summarized in Table 4. The annual average electrical conductivity for the past three calendar years (2016, 2017, and 2018) is 1,346, 722, and 754 µmhos/cm, respectively.

Table 4. Effluent Electrical Conductivity (µmhos/cm)

Month	2010	2011	2012	2013	2014	2015	2016	2017	2018
Jan	871	588	727	634	--	--	--	1,167	620
Feb	806	756	744	--	--	--	--	748	642
Mar	909	853	1,329	690	860	--	1,425	761	512
Apr	881	873	1,076	--	--	--	1,561	770	530
May	910	766	1,062	526	--	--	--	702	1,138
Jun	861	622	415	--	--	1,209	1,719	660	935
Jul	857	677	737	--	--	1,134	2,443	680	846
Aug	760	596	683	--	1,340	1,096	827	688	652
Sep	817	679	663	--	--	1,110	1,175	325	670
Oct	793	655	922	--	--	--	1,009	--	836
Nov	786	703	--	118	--	--	1,019	--	840
Dec	780	744	710	1,060	--	--	939	--	824
Average	836	709	824	606	1,100	1,137	1,346	722	754
Minimum	760	588	415	118	860	1,096	827	325	512
Maximum	910	873	1,329	1,060	1,340	1,209	2,443	1,167	1,138
Count	12	12	11	5	2	4	9	9	12

-- denotes not measured

yellow highlight denotes cell value exceeding the Recommended Secondary Maximum Contaminant Level of 900 µmhos/cm

Solids generated at the WWTF consist primarily of sludge accumulated at the bottom of the aeration ponds. The sludge depth in the aeration ponds is measured annually by the operator. Each aerated pond is taken out of service approximately every 5 years and raw wastewater flows are conveyed to the second aeration pond. After the water in the pond is pumped out, the sludge is allowed to dry in place. Once the sludge is dry, it is mechanically removed (backhoe or excavator) and stockpiled. Dried sludge from the stockpile is periodically hauled off by an approved sludge hauler.

According to the RWD, the soil in the area is predominantly Ciervo, wet-Ciervo complex, saline sodic, which is a mix of sand and clay. The alluvial soil is derived from calcareous sedimentary rock. Permeability is typically low to moderately low. A percolation rate of 0.4 inches/day was used for the water balance calculations in the RWD. The water balance was conducted for 10,500 gallons per day (gpd) and 20,000 gpd. It concluded that the ponds have adequate disposal capacity for the flows evaluated (i.e., at least as high as 20,000 gpd).

The quality of groundwater in the area, based on wells within a one-mile radius, is shown in Table 5 below. This data was obtained from the National Water Quality Data Portal.

Table 5. Groundwater Quality From Nearby Wells¹

Well Number ¹	Well Depth ² (ft bgs)	Date Sampled	EC ² (µmhos /cm)	NO ₃ as N ² (mg/L)	Na ² (mg/L)	Ca ² (mg/L)	Cl ² (mg/L)	Mg ² (mg/L)	Fe ² (µg/L)	As ² (µg/L)
018S016E 24M001M	2,015	8/4/1951	3,170	--	490	140	800	19	--	--
018S016E 23A003M	20	3/12/1986	3,595	25.9	360	450	290	120	30	1
018S016E 24D002M	680	7/15/1968	967	0.023	170	27	42	8.1	--	--
018S016E 14N002M	1,904	7/15/1968	1,650	0.339	300	48	260	2.8	--	--
018S016E 14R001M	2,000	8/14/1951	2,350	--	380	83	510	13	--	--

1. Data from the National Water Quality Monitoring Council, <https://www.waterqualitydata.us/portal>. Data is from the most recent sampling date. If there were two sample results from a single day, the average is reported.
2. ft bgs = feet below ground surface, EC = electrical conductivity, NO₃ as N = nitrate as nitrogen, Ca = calcium, Cl = chloride, Mg = magnesium, Fe = iron, As = arsenic, µmhos/cm = micromhos/cm, mg/L = milligrams per liter, µg/L = micrograms per liter.
-- denotes not tested.

Using Geotracker, four wells within 1,000 feet of the Facility service area, with depth to groundwater data, were located. The data showed depth to groundwater varied from approximately 10 feet to over 390 feet below the ground surface. The area is known for having varying depths to groundwater due to low-permeability sediments, which can cause perched water tables.

BASIN PLAN REQUIREMENTS

The *Water Quality Control Plan for the Tulare Lake Basin*, Third Edition, revised May 2018 (Basin Plan) specifies effluent limitations for discharges of domestic wastewater to land in section 4.1.11.5 of the Basin Plan. For advanced primary treatment, the Basin Plan requires 60 to 70 percent removal or reduction to 70 mg/L, whichever is more restrictive, for both five-day biochemical oxygen demand (BOD₅) and total suspended solids. The Basin Plan states that advanced primary treatment is “satisfactory for smaller facilities in outlying or remote areas where the potential for odors and other nuisances are low”.

General Order, Finding 6 states, in part:

[The] General Order requires Dischargers to comply with all applicable Basin Plan Requirements, including any prohibitions and/or water quality objectives, governing the discharge. The Discharger must comply with any more stringent standards in the applicable Basin Plan. In the event of a conflict between the requirements of this General Order and the Basin Plan, the more stringent requirement prevails.

The BOD₅ effluent limitation in the Basin Plan of 70 mg/L is more restrictive than the BOD₅ effluent limitation specified in the General Order of 90 mg/L for a wastewater pond system. Therefore, the more stringent effluent limitation will apply.

MONITORING REQUIREMENTS

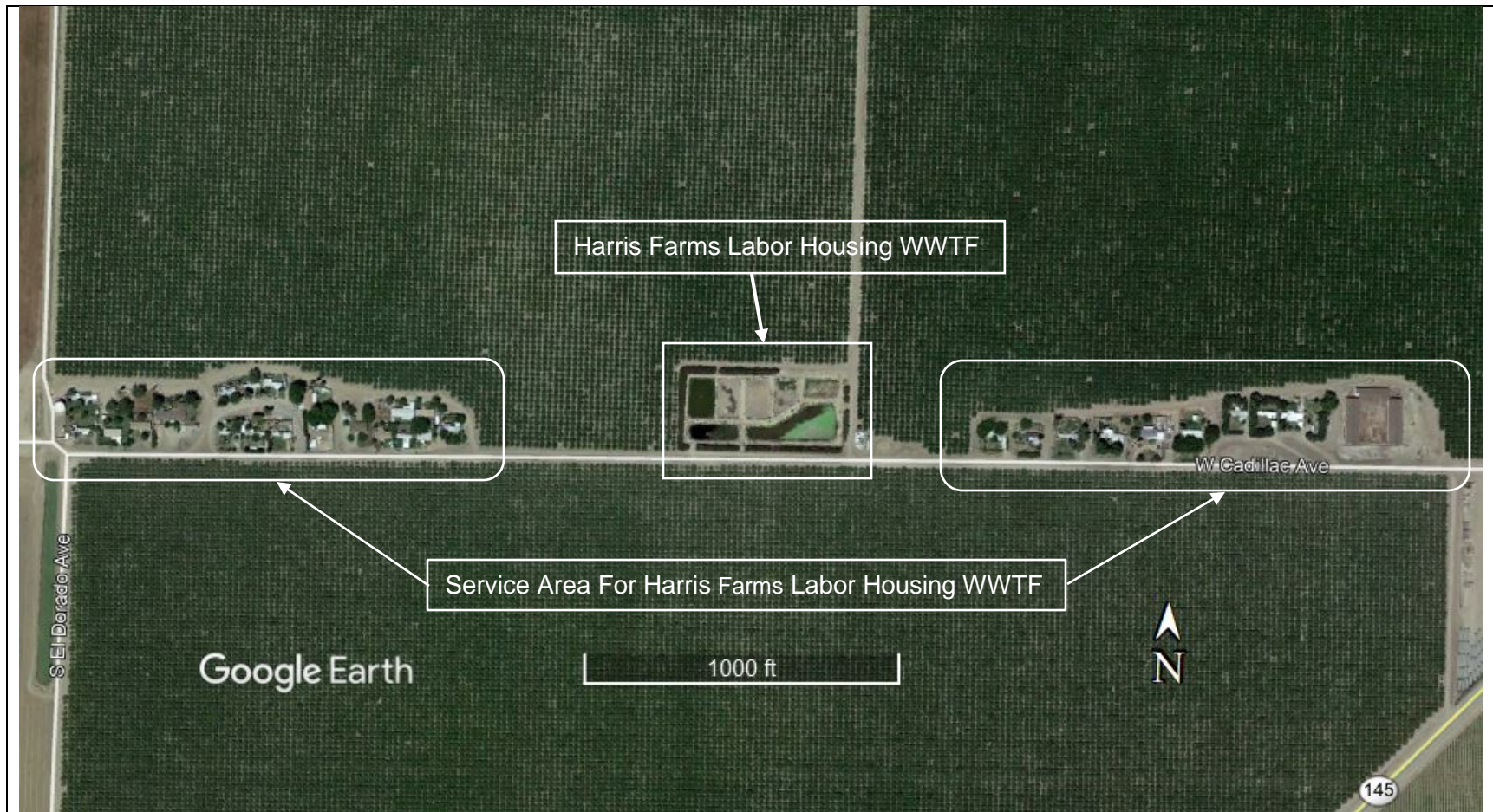
Monitoring requirements included in the following sections from Attachment C of the General Order are appropriate for this discharge:

- Pond System Monitoring and
- Solids Disposal Monitoring.

CV-SALTS

The Central Valley Water Board adopted Basin Plan amendments incorporating new programs for addressing ongoing salt and nitrate accumulation in the Central Valley at its 31 May 2018 Board Meeting. These programs, once effective, could change how the Central Valley permits discharges of salt and nitrate.

ATTACHMENT A – FACILITY AND SERVICE AREA MAP
HARRIS FARMS, INC.
HARRIS FARMS LABOR HOUSING WASTEWATER TREATMENT FACILITY
FRESNO COUNTY



Facility and Service Area Map
Harris Farms, Inc.
Harris Farms Labor Housing Wastewater Treatment Facility
Fresno County

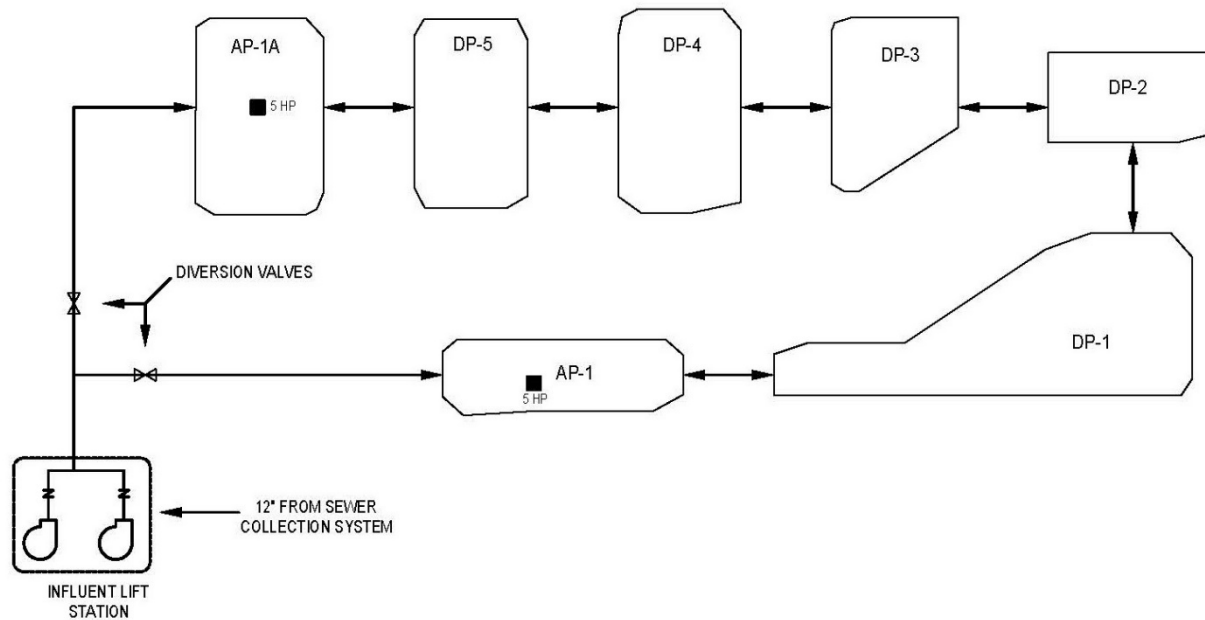
Attachment A

ATTACHMENT B - PROCESS FLOW DIAGRAM
 HARRIS FARMS, INC.
 HARRIS FARMS LABOR HOUSING WASTEWATER TREATMENT FACILITY
 FRESNO COUNTY

HARRIS FARMS LABOR HOUSING

REPORT OF WASTE DISCHARGE

■ MECHANICAL AERATOR



Drawing Reference:
 November 2018 Report of Waste Discharge

Process Flow Diagram
 Harris Farms, Inc.
 Harris Farms Labor Housing
 Wastewater Treatment Facility
Attachment B

ATTACHMENT C – FACILITY LAYOUT
 HARRIS FARMS, INC.
 HARRIS FARMS LABOR HOUSING WASTEWATER TREATMENT FACILITY
 FRESNO COUNTY



Drawing Reference:
 November 2018 Report of Waste
 Discharge

Facility Layout
 Harris Farms, Inc.
 Harris Farms Labor Housing
 Wastewater Treatment Facility
 Fresno County
Attachment C

Scale 1:1,440

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. 2014-0153-DWQ-R5291

FOR
HARRIS FARMS, INC.
HARRIS FARMS LABOR HOUSING WASTEWATER TREATMENT SYSTEM
FRESNO COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for monitoring a wastewater treatment system. This MRP is issued pursuant to Water Code section 13267. Harris Farms, Inc. (Discharger) shall not implement any changes to this MRP unless and until a revised MRP is issued by the Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) or Executive Officer.

Water Code section 13267 states, in part:

“In conducting an investigation specified in subdivision (a), the regional board may require that any person who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste within its region, or any citizen or domiciliary, or political agency or entity of this state who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge, waste outside of its region that could affect the quality of waters within its region shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs, of these reports shall bear a reasonable relationship to the need for the report and the benefits to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports.”

Water Code section 13268 states, in part:

“(a)(1) Any person failing or refusing to furnish technical or monitoring program reports as required by subdivision (b) of section 13267, or failing or refusing to furnish a statement of compliance as required by subdivision (b) of section 13399.2, or falsifying any information provided therein, is guilty of a misdemeanor and may be liable civilly in accordance with subdivision (b).

(b)(1) Civil liability may be administratively imposed by a regional board in accordance with article 2.5 (commencing with section 13323) of chapter 5 for a violation of subdivision (a) in an amount which shall not exceed one thousand dollars (\$1,000) for each day in which the violation occurs.”

The Discharger owns the Harris Farms Labor Housing Wastewater Treatment System (Facility) that is subject to the Notice of Applicability (NOA) of Water Quality Order 2014-0153-DWQ-R5291. The reports are necessary to ensure that the Discharger complies with the NOA and General Order. Pursuant to Water Code section 13267, the Discharger 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 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.

POND SYSTEM MONITORING

Influent Monitoring

Influent samples shall be taken at a location that represents the influent quality distributed to the aeration ponds. At a minimum, influent monitoring shall consist of the following.

<u>Constituent</u>	<u>Units^b</u>	<u>Sample Type</u>	<u>Sample Frequency</u>	<u>Reporting Frequency</u>
Flow Rate ^a	gpd	Meter	Continuous	Annually
Total Nitrogen ^c	mg/L	Grab	Annually	Annually
Electrical Conductivity	µmhos/cm	Grab	Monthly	Annually

^a At a minimum, the total flow shall be measured monthly to calculate the average daily flow for the month.

^b gpd denotes gallons per day; mg/L denotes milligrams per liter; µmhos/cm denotes micromhos per centimeter.

^c Annual total nitrogen sampling shall be conducted during the third quarter (July – September).

Effluent Monitoring

Effluent samples shall be taken at a location that represents the effluent quality distributed from the aeration ponds to the disposal ponds. At a minimum, effluent monitoring shall consist of the following.

<u>Constituent</u>	<u>Units^a</u>	<u>Sample Type</u>	<u>Sample Frequency</u>	<u>Reporting Frequency</u>
Electrical Conductivity	µmhos/cm	Grab	Monthly	Quarterly
pH	Std. Units	Grab	Monthly	Quarterly
BOD ₅ ^b	mg/L	Grab	Monthly	Quarterly
Total Nitrogen ^c	mg/L	Grab	Annually	Quarterly

- a μ mhos/cm denotes micromhos per centimeter; Std. Units denotes standard pH units; mg/L denotes milligrams per liter.
- b BOD₅ denotes five-day biochemical oxygen demand.
- c Annual total nitrogen sampling shall be conducted during the third quarter (July – September).

Pond Monitoring

All wastewater treatment and disposal ponds shall be monitored as specified below.

<u>Constituent</u>	<u>Units^a</u>	<u>Sample Type</u>	<u>Sample Frequency</u>	<u>Reporting Frequency</u>
Dissolved Oxygen	mg/L	Grab	Monthly	Quarterly
Freeboard	0.1 feet	Measurement	Monthly	Quarterly
Electrical Conductivity	μ mhos/cm	Grab	Monthly	Quarterly
Odors	--	Observation	Monthly	Quarterly
Berm Condition	--	Observation	Monthly	Quarterly

^a mg/L denotes milligrams per liter; μ mhos/cm denotes micromhos per centimeter.

SOLIDS DISPOSAL MONITORING

The Discharger shall report the handling and disposal of all solids (e.g., screenings, grit, sludge, biosolids, etc.) generated at the wastewater system. Records shall include the name/contact information for the hauling company, the type and amount of waste transported, the date removed from the wastewater system, the disposal facility name and address, and copies of analytical data required by the entity accepting the waste. These records shall be submitted as part of the annual monitoring report.

REPORTING

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., effluent, solids, etc.), and reported analytical or visual inspection results are readily discernible. The data shall be summarized to clearly 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.

The Central Valley Water Board has gone to a Paperless Office System. 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 50 MB should be emailed to:

centralvalleyfresno@waterboards.ca.gov. Documents that are 50 MB 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, **WDID:** 5D101042002, **Facility Name:** Harris Farms Labor Housing, **Order:** 2014-0153-DWQ-R5291.

A. Quarterly Monitoring Reports

Quarterly reports shall be submitted to the Central Valley Water Board on the **first day of the second month after the quarter ends** (e.g., the January-March Quarterly Report is due by May 1st). The reports shall bear the certification and signature of the Discharger's authorized representative. At a minimum, the quarterly reports shall include:

1. Results of all required monitoring.
2. A comparison of monitoring data to the discharge specifications, biochemical oxygen demand effluent limit, disclosure of any violations of the NOA and/or General Order, and an explanation of any violation of those requirements. (Data shall be presented in tabular format.)
3. Copies of laboratory analytical report(s) and chain of custody form(s) for in-house and contracted laboratory analyses.

B. Annual Report

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

1. Tabular and graphical summaries of all monitoring data collected during the year.
2. An evaluation of the performance of the wastewater treatment system, including discussion of capacity issues, nuisance conditions, system problems, and a forecast of the flows anticipated in the next year. A flow rate evaluation, as described in the General Order (Provision E.2.c), shall also be submitted.
3. 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.
4. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program.
5. The name and contact information for the wastewater operator responsible for operation, maintenance, and system monitoring.

A letter transmitting the monitoring reports shall accompany each report. The letter shall report 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 Discharger or the Discharger'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 Discharger shall implement the above monitoring program on the first day of the month following the rescission of Order 82-016

Ordered by:

ORIGINAL SIGNED BY SCOTT J. HATTON FOR
PATRICK PULUPA, Executive Officer

DATE