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## Central Valley Regional Water Quality Control Board

11 December 2018

John Personeni  
Construction Supervisor  
Department of Water Resources  
1416 9<sup>th</sup> Street  
Sacramento, CA 95814

**CERTIFIED MAIL**  
**7017 3040 0001 0264 9303**

### **NOTICE OF APPLICABILITY (NOA); GENERAL WASTE DISCHARGE REQUIREMENTS ORDER R5-2016-0076 FOR LIMITED THREAT DISCHARGES TO SURFACE WATER; DEPARTMENT OF WATER RESOURCES, HYATT WATERLINE PROJECT, BUTTE COUNTY**

Our office received a Notice of Intent on 5 November 2018 from the Department of Water Resources (hereinafter Discharger), for discharge of process water to surface water. Based on the application packet submitted by the Discharger, staff has determined that the project meets the required conditions for approval under the General Order for Limited Threat Discharges to Surface Water (Limited Threat General Order), Tier 1A. This project is hereby assigned Limited Threat General Order R5-2016-0076-050 and National Pollutant Discharge Elimination System (NPDES) Permit No. CAG995002. Please reference your Limited Threat General Order number, **R5-2016-0076-050**, in your correspondence and submitted documents.

The project activities shall be operated in accordance with the requirements contained in the Limited Threat General Order and as specified in this NOA. You are urged to familiarize yourself with the entire contents of the Limited Threat General Order. To conserve resources, the Limited Threat General Order may be viewed at the following web address: [https://www.waterboards.ca.gov/centralvalley/board\\_decisions/adopted\\_orders/general\\_orders/r5-2016-0076\\_mod.pdf](https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/r5-2016-0076_mod.pdf). A copy of the Limited Threat General Order can also be obtained by contacting or visiting the Central Valley Water Board's office weekdays between 8:00 AM and 5:00 PM.

### **CALIFORNIA TOXICS RULE / STATE IMPLEMENTATION POLICY MONITORING**

The Limited Threat General Order incorporates the requirements of the California Toxics Rule (CTR) and the State Water Resources Control Board's (State Water Board), *Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California*, 2005, also known as the State Implementation Policy (SIP). Screening levels for CTR constituents and other constituents of concern are found in Attachment I of the Limited Threat General Order. Review of your water quality data in comparison to the screening values showed reasonable potential for the discharge to cause or contribute to an exceedance of chlorine water quality objectives in the Feather River, which is a water of the United States. However, the proposed treatment system addresses the water quality concern by reducing constituent concentrations below water quality objectives; therefore, the project qualifies for the Limited Threat General Order.

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

364 Knollcrest Drive, Suite 205, Redding, CA 96002 | [www.waterboards.ca.gov/centralvalley](http://www.waterboards.ca.gov/centralvalley)

**PROJECT DESCRIPTION**

- The Project is Located at 5746 Oroville Dam Blvd, east Oroville, Butte County, California, 95966
- The Project consists of flushing and disinfection activities associated with the installation/replacement of a waterline
- The source of the water being discharged is drinking water from the South Feather Water and Power distribution system piping
- Water is being discharged to surface water because other disposal options including discharging to the local municipal wastewater treatment plant, land disposal and underground injection are infeasible
- The water will be disinfected using liquid chlorine at 50 parts per million (ppm) and dechlorinated using sodium metabisulfite; the chlorine concentration will be reduced to non-detect before being discharged
- Effluent will be discharged into a concrete lined drainage channel which discharges directly into the Thermalito diversion pool, which is tributary to the Feather River
- Discharge will occur 2-3 hours per day at 20,000-30,000 gallons per discharge for approximately 3-4 days

**EFFLUENT LIMITATIONS**

Effluent limitations are specified in Section V. Effluent Limitations and Discharge Specifications of the Limited Threat General Order. The applicable effluent limitations are shown below:

1. **Flow (Section V.A.1.a).** The flow rate shall not exceed 0.25 MGD.
2. **pH (Section V.A.1.b.ii).** The pH of all limited threat discharges within the Sacramento and San Joaquin River Basins (except Goose Creek) shall at all times be within the range of 6.5 and 8.5.
3. **Constituents and Parameters of Concern (Section V.A.1.e).** The following constituents and parameters in Table 1 below have been identified as having reasonable potential to cause or contribute to an in-stream excursion from water quality objectives, and shall not exceed the effluent limitations as listed.

**Table 1. Effluent Limitations for Constituents and Parameters of Concern**

Parameter	Units	Effluent Limitations		Section Reference
		Average Monthly	Maximum Daily	
Total Residual Chlorine	mg/L	0.01	0.02	V.A.1.e

**RECEIVING WATER LIMITATIONS**

The Limited Threat General Order includes receiving surface water limitations in Section VIII.A. Based on the information provided in the NOI, only the following receiving surface water limitations are applicable to this discharge:

- Biostimulatory substances (VIII.A.3);
- Chemical constituents (VIII.A.4);

- Color (VIII.A.5);
- Floating material (VIII.A.7);
- Oil and grease (VIII.A.8);
- pH (VIII.A.9.a);
- Suspended sediments (VIII.A.12);
- Settleable substances (VIII.A.13);
- Suspended material (VIII.A.14);
- Taste and odors (VIII.A.15);
- Temperature (VIII.A.16);
- Turbidity (VIII.A.18.a).

**MONITORING AND REPORTING**

Monitoring and reporting requirements are contained in Attachment C of the Limited Threat General Order. The Discharger is required to comply with the following specific monitoring and reporting requirements for the effluent and Feather River in accordance with Attachment C of the Limited Threat General Order.

**Monitoring Locations** – The Discharger shall monitor the effluent and Feather River at the specified location as follows:

**Table 2. Monitoring Station Locations**

Discharge Point Name	Monitoring Location Name	Monitoring Location Description
001	EFF-001	A location where a representative sample of the effluent can be collected prior to discharging to Feather River.
--	RSW-001	Feather River, approximately 200 feet upstream from the point of discharge.
--	RSW-002	Feather River, approximately 200 feet downstream from the point of discharge.

**Effluent Monitoring** – When discharging to surface water, the Discharger shall monitor the effluent at EFF-001 in accordance with Table C-2 of the Limited Threat General Order and this NOA. The applicable monitoring requirements are as follows in Table 3:

**Table 3. Effluent Monitoring**

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Total Flow	MGD	Estimate	1/Day	1,2
Total Residual Chlorine	mg/L	Grab	1/hour	1,2
Electrical Conductivity @ 25 °C	µmhos/cm	Grab	1/Permit Term	1,2
pH	standard units	Grab	1/Permit Term	1,2
Turbidity	NTU	Grab	1/Permit Term	1,2
Temperature	°F	Grab	1/Permit Term	1,2

Dissolved Oxygen	mg/L	Grab	1/Permit Term	1,2
Hardness, Total (as CaCO <sub>3</sub> )	mg/L	Grab	1/Permit Term	1,2

- <sup>1</sup> A hand-held field meter may be used, provided the meter utilizes a U.S. EPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring required by this Monitoring and Reporting Program shall be maintained at the Facility.
- <sup>2</sup> Pollutants shall be analyzed using the analytical methods described in 40 C.F.R. part 136 or by methods approved by the Central Valley Water Board or the State Water Board.

**Receiving Water Monitoring** - When discharging to surface water, the Discharger shall monitor the receiving water at RSW-001 and RSW-002, in accordance with Table C-3 of the Limited Threat General Order and this NOA. The applicable monitoring requirements are as follows in Table 4:

**Table 4. Receiving Water Monitoring Requirements**

Parameter	Units	Sample Type	Monitoring Frequency	Required Analytical Test Method
Total Residual Chlorine	mg/L	Grab	1/Day	1,2
Dissolved Oxygen	mg/L	Grab	1/Permit Term	1,2
Electrical Conductivity @ 25 °C	µmhos/cm	Grab	1/Permit Term	1,2
Hardness, Total (as CaCO <sub>3</sub> )	mg/L	Grab	1/Permit Term	1,2
pH	standard units	Grab	1/Permit Term	1,2
Temperature	°F	Grab	1/Permit Term	1,2
Turbidity	NTU	Grab	1/Permit Term	1,2

- <sup>1</sup> Pollutants shall be analyzed using the analytical methods described in 40 C.F.R. part 136 or by methods approved by the Central Valley Water Board or the State Water Board.
- <sup>2</sup> A hand-held field meter may be used, provided the meter utilizes a U.S. EPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring required by this Monitoring and Reporting Program shall be maintained by the Discharger.

In conducting the receiving water sampling, a log shall be kept of the receiving water conditions throughout the reach bounded by RSW-001 and RSW-002. Attention shall be given to the presence or absence of:

- a. Floating or suspended matter
- b. Discoloration
- c. Bottom deposits
- d. Aquatic life
- e. Visible films, sheens, or coatings
- f. Fungi, slimes, or objectionable growths
- g. Potential nuisance conditions

Notes on receiving water conditions shall be summarized in the Monitoring Report.

**Monitoring Report Submittals** - Monitoring in accordance with the Limited Threat General Order shall begin upon initiation of discharge. Monitoring Reports shall be submitted to the Central Valley Water Board on a quarterly basis, beginning with the **Fourth Quarter 2018**. This report shall be submitted within 30 days of the completion of the project. If monitoring samples were not obtained within 24 hours of initiation of the discharge, the Discharger must document the reasons in the corresponding Monitoring Report.

### **GENERAL INFORMATION AND REQUIREMENTS**

The Discharger must notify Central Valley Water Board staff within 24 hours of having knowledge of 1) the start of each new discharge, 2) noncompliance, and 3) when the discharge ceases. The Central Valley Water Board shall be notified immediately if any effluent limit violation is observed during implementation of the project.

Discharge of material other than what is described in the application is prohibited. The required annual fee (as specified in the annual invoice you will receive from the State Water Resources Control Board) shall be submitted until this NOA is officially terminated. You must notify this office in writing when the discharge regulated by the Limited Threat General Order is no longer necessary by submitting the Request for Termination of Coverage (Attachment E). If a timely written request is not received, the Discharger will be required to pay additional annual fees as determined by the State Water Resources Control Board.

### **ENFORCEMENT**

Failure to comply with the Limited Threat General Order may result in enforcement actions, which could include civil liability. Effluent limitation violations are subject to a Mandatory Minimum Penalty (MMP) of \$3,000 per violation. In addition, late Monitoring Reports may be subject to MMPs or discretionary penalties of up to \$1,000 per day late. When discharges do not occur during a quarterly monitoring period, the Discharger must still submit a quarterly certified Monitoring Report indicating that no discharge occurred to avoid being subject to enforcement actions.

### **COMMUNICATION**

All documents, including Monitoring Reports, written notifications, and documents submitted to comply with this NOA and the Limited Threat General Order, should be submitted to the NPDES Unit, Attention: Michael Collins. Mr. Collins can be reached at (530) 224-4785 or [Michael.Collins@waterboards.ca.gov](mailto:Michael.Collins@waterboards.ca.gov).

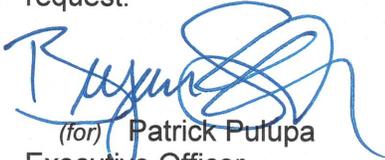
We have transitioned to a paperless office, therefore, please convert all documents to a searchable Portable Document Format (pdf) and email them to [centralvalleyredding@waterboards.ca.gov](mailto:centralvalleyredding@waterboards.ca.gov). **Please include the following information in the email:** Attention: NPDES Unit; Discharger: Department of Water Resources; Facility: Hyatt Waterline; County: Butte; and the CIWQS place ID 854076 in the body of the email. Documents that are 50 megabytes or larger must be transferred to a DVD, or flash drive and mailed to our office, attention "ECM Mailroom-NPDES". Please include the attached Monitoring Report Transmittal Form as the first page of each Monitoring Report.

Any person aggrieved by this action of the Central Valley Water Board may petition the State Water Board to review the action in accordance with California Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this NOA, except that if the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the internet at:

John Personeni, Construction Supervisor - 6 -  
Department of Water Resources  
Hyatt waterline

11 December 2018

[http://www.waterboards.ca.gov/public\\_notices/petitions/water\\_quality](http://www.waterboards.ca.gov/public_notices/petitions/water_quality) or will be provided upon request.

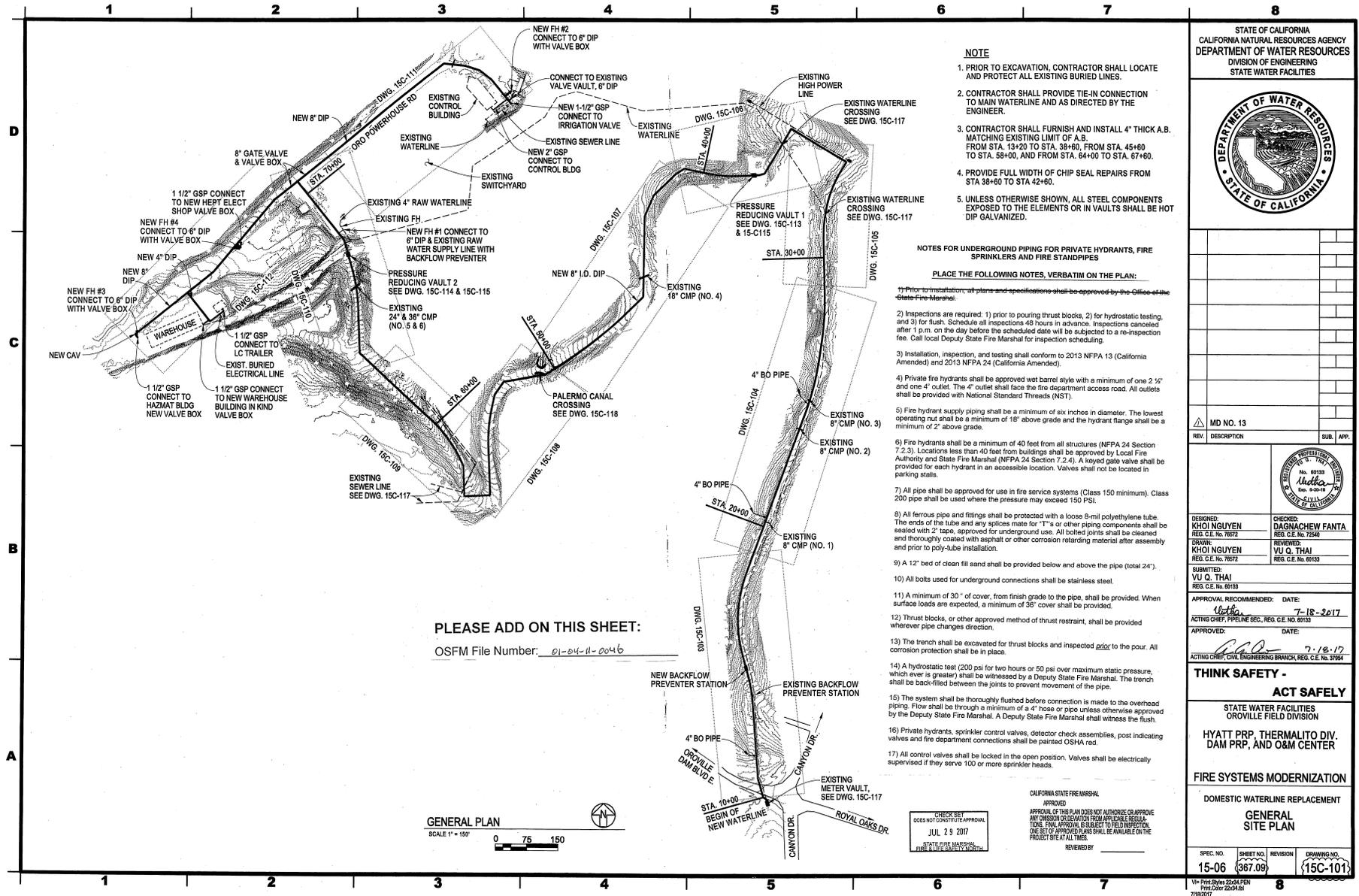
  
(for) Patrick Pulupa  
Executive Officer

MAC: ck

Enclosures: Attachment A - Project Location Map  
Monitoring Report Transmittal Form (Discharger only)

Cc: David Smith, U.S. EPA, Region IX, San Francisco  
Afrooz Farsimadan, Division of Water Quality, State Water Board, Sacramento

ATTACHMENT A – PROJECT LOCATION MAP



**NOTE**

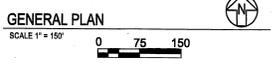
1. PRIOR TO EXCAVATION, CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING BURIED LINES.
2. CONTRACTOR SHALL PROVIDE TIE-IN CONNECTION TO MAIN WATERLINE AND AS DIRECTED BY THE ENGINEER.
3. CONTRACTOR SHALL FURNISH AND INSTALL 4" THICK A.B. MATCHING EXISTING LIMIT OF A.B. FROM STA. 13+20 TO STA. 38+80, FROM STA. 45+60 TO STA. 58+00, AND FROM STA. 64+00 TO STA. 67+60.
4. PROVIDE FULL WIDTH OF CHIP SEAL REPAIRS FROM STA 38+80 TO STA 42+60.
5. UNLESS OTHERWISE SHOWN, ALL STEEL COMPONENTS EXPOSED TO THE ELEMENTS OR IN VAULTS SHALL BE HOT DIP GALVANIZED.

**NOTES FOR UNDERGROUND PIPING FOR PRIVATE HYDRANTS, FIRE SPRINKLERS AND FIRE STANDPIPES**

PLACE THE FOLLOWING NOTES, VERBATIM ON THE PLAN:

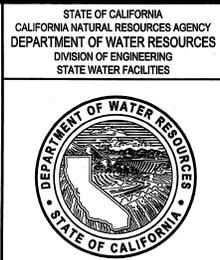
- 1) Prior to installation, all plans and specifications shall be approved by the Office of the State Fire Marshal.
- 2) Inspections are required: 1) prior to pouring thrust blocks, 2) for hydrostatic testing, and 3) for flush. Schedule all inspections 48 hours in advance. Inspections cancelled after 1 p.m. on the day before the scheduled date will be subjected to a re-inspection fee. Call local Deputy State Fire Marshal for inspection scheduling.
- 3) Installation, inspection, and testing shall conform to 2013 NFPA 13 (California Amended) and 2013 NFPA 24 (California Amended).
- 4) Private fire hydrants shall be approved wet barrel style with a minimum of one 2 1/2" and one 4" outlet. The 4" outlet shall face the fire department access road. All outlets shall be provided with National Standard Thread (NST).
- 5) Fire hydrant supply piping shall be a minimum of six inches in diameter. The lowest operating nut shall be a minimum of 18" above grade and the hydrant flange shall be a minimum of 2' above grade.
- 6) Fire hydrants shall be a minimum of 40 feet from all structures (NFPA 24 Section 7.2.3). Locations less than 40 feet from buildings shall be approved by Local Fire Authority and State Fire Marshal (NFPA 24 Section 7.2.4). A keyed gate valve shall be provided for each hydrant in an accessible location. Valves shall not be located in parking stalls.
- 7) All pipe shall be approved for use in fire service systems (Class 150 minimum). Class 200 pipe shall be used where the pressure may exceed 150 PSI.
- 8) All ferrous pipe and fittings shall be protected with a loose 8-mil polyethylene tube. The ends of the tube and any splices mate for "T" or other piping components shall be sealed with 2" tape, approved for underground use. All bolted joints shall be cleaned and thoroughly coated with asphalt or other corrosion retarding material after assembly and prior to poly-tube installation.
- 9) A 12" bed of clean fill sand shall be provided below and above the pipe (total 24").
- 10) All bolts used for underground connections shall be stainless steel.
- 11) A minimum of 30" of cover, from finish grade to the pipe, shall be provided. When surface loads are expected, a minimum of 36" cover shall be provided.
- 12) Thrust blocks, or other approved method of thrust restraint, shall be provided wherever pipe changes direction.
- 13) The trench shall be excavated for thrust blocks and inspected prior to the pour. All corrosion protection shall be in place.
- 14) A hydrostatic test (200 psi for two hours or 50 psi over maximum static pressure, which ever is greater) shall be witnessed by a Deputy State Fire Marshal. The trench shall be back-filled between the joints to prevent movement of the pipe.
- 15) The system shall be thoroughly flushed before connection is made to the overhead piping. Flow shall be through a minimum of a 4" hose or pipe unless otherwise approved by the Deputy State Fire Marshal. A Deputy State Fire Marshal shall witness the flush.
- 16) Private hydrants, sprinkler control valves, detector check assemblies, post indicating valves and fire department connections shall be painted OSHA red.
- 17) All control valves shall be locked in the open position. Valves shall be electrically supervised if they serve 100 or more sprinkler heads.

PLEASE ADD ON THIS SHEET:  
 OSFM File Number: 01-04-11-0046



CHECK SET  
 DOES NOT CONSTITUTE APPROVAL  
 JUL 29 2017  
 STATE FIRE MARSHAL

CALIFORNIA STATE FIRE MARSHAL  
 APPROVED  
 APPROVAL OF THIS PLAN DOES NOT AUTHORIZE OR APPROVE ANY EXCAVATION OR OPERATION FROM APPROVAL REGULATIONS. FINAL APPROVAL IS SUBJECT TO FIELD INSPECTION. THE SET OF APPROVAL PLANS SHALL BE AVAILABLE ON THE PROJECT SITE AT ALL TIMES.  
 REVIEWED BY



STATE OF CALIFORNIA CALIFORNIA NATURAL RESOURCES AGENCY DEPARTMENT OF WATER RESOURCES DIVISION OF ENGINEERING STATE WATER FACILITIES
MD NO. 13
REV. DESCRIPTION
SUB. APP.



DRAWN: KHOI NGUYEN REG. C.E. No. 7672	CHECKED: DAGNACHEW FANTA REG. C.E. No. 7540
TITLE: KHOI NGUYEN REG. C.E. No. 7672	REVIEWED: VU Q. THAI REG. C.E. No. 0113
SUBMITTED: VU Q. THAI REG. C.E. No. 0113	
APPROVAL RECOMMENDED: DATE: <i>Vu Q. Thai</i> 7-18-2017	
ACTING CHIEF, PIPELINE SEC., REG. C.E. No. 01133	
APPROVED: DATE: <i>Vu Q. Thai</i> 7-18-17	
ACTING CHIEF, CIVIL ENGINEERING BRANCH, REG. C.E. No. 3764	

**THINK SAFETY - ACT SAFELY**

STATE WATER FACILITIES  
 OROVILLE FIELD DIVISION

HYATT PRP, THERMALITO DIV.  
 DAM PRP, AND O&M CENTER

FIRE SYSTEMS MODERNIZATION

DOMESTIC WATERLINE REPLACEMENT

GENERAL SITE PLAN

SPEC. NO. 15-06	SHEET NO. 367.09	REVISION	DRAWING NO. 15C-101
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DO NOT CONTRACT DRAWING CASE



Central Valley Regional Water Quality Control Board

Date: \_\_\_\_\_

Attention: NPDES Compliance/Enforcement Unit
centralvalleyredding@waterboards.ca.gov

Discharger: The Department of Water Resources
Name of Facility: Hyatt Waterline Project
WDRs Order Number: R5-2016-0076-050
County: Butte
CIWQS Place ID#: 854076

I am hereby submitting to the Central Valley Water Board the following self-monitoring report:

1st / 2nd / 3rd / 4th (circle one) Quarterly Monitoring Report for the year of 20\_\_\_\_\_.

Please check the appropriate box below:

- checkbox A discharge to waters of the United States occurred during this monitoring period.
checkbox There were no discharges to waters of the United States during this monitoring period.

Violation Notification

During the monitoring period, there were / were not (circle one) any violations of the WDR's.

- 1. The violations were:
2. Have the violations been corrected? Yes / No. If no, what will be done to correct the violations:

Certification Statement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: \_\_\_\_\_ Phone: \_\_\_\_\_
Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_