



Central Valley Regional Water Quality Control Board

18 April 2019

Pella McCormick
Project Director
Judicial Council of California
2860 Gateway Oaks Drive, Ste. 400

CERTIFIED MAIL:
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NOTICE OF APPLICABILITY (NOA); GENERAL WASTE DISCHARGE REQUIREMENTS ORDER R5-2016-0076 FOR LIMITED THREAT DISCHARGES TO SURFACE WATER; JUDICIAL COUNCIL OF CALIFORNIA, SHASTA COUNTY NEW REDDING COURTHOUSE PROJECT, SHASTA COUNTY

Our office received a Notice of Intent on 3 March 2019 from RTA Construction, Inc. on behalf of the Judicial Council of California (hereinafter Discharger), for discharge of treated groundwater from construction dewatering activities to surface water. Based on the application packet and subsequent information submitted by the Discharger, staff has determined that the Shasta County New Redding Courthouse Project (Project) meets the required conditions for approval under the General Order for Limited Threat Discharges to Surface Water (Limited Threat General Order), Tier 2. This project is hereby assigned Limited Threat General Order R5-2016-0076-052 and National Pollutant Discharge Elimination System (NPDES) Permit No. CAG995002. Please reference your Limited Threat General Order number, **R5-2016-0076-052**, 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/r5-2016-0076-01.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 mercury, methyl tert-butyl ether (MTBE), and total suspended solids water quality objectives in the Sacramento River, which is a water of the United States. However, the proposed treatment

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system addresses the water quality concern by reducing constituents' concentrations below water quality objectives; therefore, the Project qualifies for the Limited Threat General Order.

PROJECT DESCRIPTION

- The Project is located at 1515 Court Street, Redding, CA 96001
- The Project consists of a construction site with shallow groundwater that needs to be pumped for dewatering purposes
- The source of the water being discharged is from 27 wells, drilled to a depth of 40 ft, around the perimeter of the Project site
- The water is being discharged to surface water because the flow rate exceeds the local municipality capacity (100 GPM), no land is available for disposal, and underground injection is not feasible due to proximity of structures
- The water treatment system will consist of a holding tank, a particulate filter, and a sand media filter (Attachment B)
- The estimated project timeline will be from 15 April 2019 to 15 October 2019.
- The average daily discharge of treated effluent will be 400,000 GPD and the maximum daily discharge of treated effluent will be 864,000 GPD.
- Effluent from the project will be discharged into a storm drain that flows into Calaboose Creek, which is tributary to the Sacramento River

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 0.864 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. **Whole Effluent Toxicity, Chronic (Section V.A.2.a).** There shall be no chronic toxicity in the discharge.
4. **Whole Effluent Toxicity, Acute (Section V.A.3.b).** Survival of aquatic organisms in 96-hour bioassays of undiluted waste for all limited threat discharges shall be no less than:
 - i. 70%, minimum for any one bioassay; and
 - ii. 90%, median for any three consecutive bioassays.

Table 1. Effluent Limitations for Constituents and Parameters of Concern

Parameter	Units	Effluent Limitations		Section Reference
		Average Monthly	Maximum Daily	
Mercury	µg/L	0.05	0.10	V.A.1.f
MTBE	µg/L	--	0.5	V.B.2
Total Suspended Solids	mg/L	10	20	V.B.1.a

The Receiving Water is not listed under the Clean Water Act 303(d) List of impaired water bodies. Therefore, no additional 303(d) based effluent limitations or monitoring requirements will be added to this Limited Threat Notice of Applicability.

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:

- Bacteria (VIII.A.2);
- Biostimulatory substances (VIII.A.3);
- Chemical constituents (VIII.A.4);
- Color (VIII.A.5);
- Dissolved oxygen (VIII.A.6.b.<i>);
- 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);
- Toxicity (VIII.A.17); and
- 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 Calaboose Creek in accordance with Attachment C of the Limited Threat General Order.

Monitoring Locations – The Discharger shall monitor the effluent and Calaboose Creek 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 Calaboose Creek.
--	RSW-001	Calaboose Creek, approximately 200 feet upstream from the point of discharge.
--	RSW-002	Calaboose Creek, 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
Electrical Conductivity @ 25 °C	µmhos/cm	Grab	1/Day	1,2
pH	standard units	Grab	1/Day	1,2
Turbidity	NTU	Grab	1/Day	1,2
Temperature	°F	Grab	1/Day	1,2
Dissolved Oxygen	mg/L	Grab	1/Day	1,2
Hardness, Total (as CaCO ₃)	mg/L	Grab	1/Month	1,2,3
Mercury	µg/L	Grab	1/Month	2
MTBE	µg/L	Grab	1/Month	2
Total Petroleum Hydrocarbons (Gasoline Range)	µg/L	Grab	1/Month	2
Total Suspended Solids	mg/L	Grab	1/Month	2
Acute Toxicity	% survival	Grab	1/Project Term	2,4
Chronic Toxicity	--	Grab	1/Project Term	2,4

¹ 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.

² 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.

³ Monitoring for hardness shall be performed concurrently with effluent sampling for cadmium, chromium (III), copper, lead, nickel, silver, and/or zinc if effluent sampling for any of these pollutants is required.

- 4 Chronic and acute toxicity testing shall be conducted within 3 months of initiation of discharge. For acute toxicity testing, the test species shall be fathead minnows (*Pimephales promelas*). See the Monitoring and Reporting Program (Attachment C) for toxicity monitoring requirements.

Receiving Water Monitoring - When discharging to surface water and upstream flow is present in Calaboose Creek, 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
Dissolved Oxygen	mg/L	Grab	1/Month	1,2
Electrical Conductivity @ 25 °C	µmhos/cm	Grab	1/Month	1,2
Hardness, Total (as CaCO ₃)	mg/L	Grab	1/Month	1,2
Mercury ³	µg/L	Grab	1/Month	1,2
MTBE ³	µg/L	Grab	1/Month	1,2
Total Suspended Solids ³	mg/L	Grab	1/Month	1,2
pH	standard units	Grab	1/Month	1,2
Temperature	°F	Grab	1/Month	1,2
Turbidity	NTU	Grab	1/Month	1,2

¹ 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.

² 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.

³ Monitoring required at Monitoring Location RSW-002 only.

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 **First Quarter 2019**. This report shall be submitted on **1 May 2019**. 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. If the discharge has not begun there is no need to monitor. However, a certified Monitoring Report must be submitted stating that there has been no

discharge. Table 5, below, summarizes the Monitoring Report due dates required under the Limited Threat General Order. Quarterly Monitoring Reports must be submitted until your coverage is formally terminated in accordance with the Limited Threat General Order, even if there is no discharge during the reporting quarter.

Table 5. Monitoring Periods and Reporting Schedule

Sampling Frequency	Monitoring Period Begins On...	Quarterly Report Due Date
1/Day, 1/Week, 1/Month, 1/Quarter	18 April 2019	1 May (1 Jan – 31 Mar) 1 Aug (1 Apr – 30 Jun) 1 Nov (1 Jul – 30 Sep) 1 Feb, of following year (1 Oct – 31 Dec)

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 Compliance Unit, Attention: Michael Collins. Mr. Collins can be reached at (530) 224-4785 or 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. **Please include the following information in the email:** Attention: NPDES Compliance Unit; Discharger: Judicial Council of California; Facility: Shasta County New Redding Courthouse; County: Shasta; and the CIWQS place ID 857715 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: http://www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.

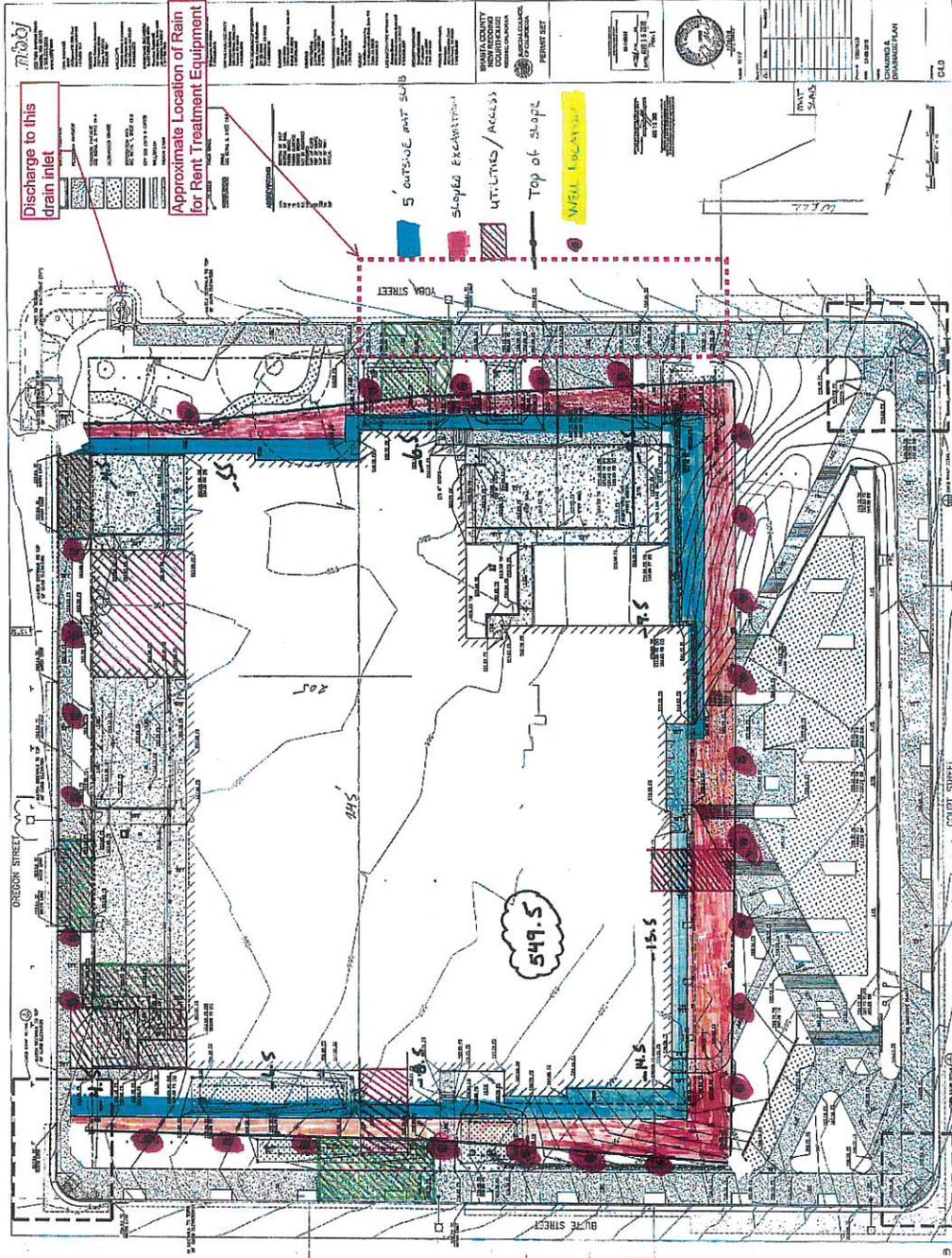


(for) Patrick Pulupa
Executive Officer

Enclosures (2): Attachment A - Project Location Map
Attachment B – Description of Treatment Components
Monitoring Report Transmittal Form (Discharger only)

cc: David Smith, U.S. EPA, Region IX, San Francisco (email only)
Afrooz Farsimadan, Division of Water Quality, SWRCB, Sacramento (email only)
Jim Bruce, Kitchell CEM, Sacramento (email only)
Mark Trawick, RTA Construction, Redding (email only)

ATTACHMENT A – PROJECT LOCATION MAP



ATTACHMENT B – DESCRIPTION OF TREATMENT COMPONENTS

Steel Tank

Open-Top Weir

Overview:

Store liquids with confidence with Rain for Rent's 18,100-gallon Open-Top Weir Tank. The over and under weirs allow for separation of oils or particulates. Permanently attached axles, for maximum maneuverability, allows this tank to be moved with ease on the jobsite. The staircase ensures proper protection for workers on site. The tank also offers optional epoxy coating, which offers chemical resistance and additional cleanliness for sensitive environmental applications.

Features:

- V-drain floor with front and rear 4" 150-lb flanges with valves
- OSHA Compliant Stairway
- Rear 4" or 6" SCH40 fill line**
- Rear 4" or 6" skimmer port**
- Each tank has 2 or 4 weirs, which are up to 8.5ft wide**
- Optional: Epoxy Coating - chemical resistance for a wide variety of chemical compatibility and keeps stored product within the tank cleaner

**Features may vary

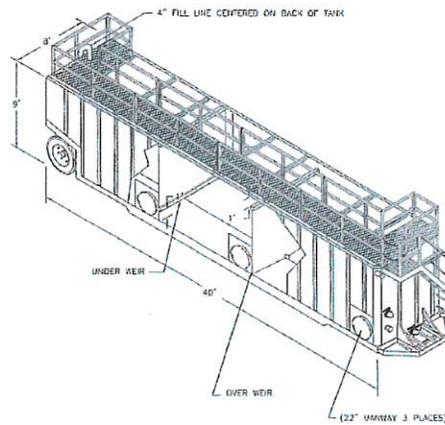


Specs:

Material	Steel, Epoxy Coated (Option)
Capacity	18,100 gallons
Manways	Three 22" hatches
Dry weight	27,000 lbs.
Footprint:	516" x 102" x 126"

Accessories:

- E-CONTAIN® Spillguard
- SolidGroud® Traction Mats
- Radar Level Gauges
- Mechanical Level Gauge
- PipeStax®
- HoseTrax®
- Suction and Discharge Hose



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Particulate Filter

PF400

Overview:

The PF400 particulate filter features two cartridge filter tanks and four bag filter tanks. It utilizes 12 open-ended cartridges per cartridge tank, and 7" x 30" bag filters for superior filtration from 100 to 0.5 microns for flows up to 400 GPM.

Features:

- Two cartridge filter tanks hold twelve open-ended cartridges each
- Four bag filter tanks for one 7" x 30" bag filter each
- Utilizes 2.5" x 40" open ended cartridges from 100 to 0.5 microns
- Chambers constructed of 304 Stainless Steel
- Piping constructed of 304 Stainless Steel
- No moving parts
- Bag filter Chamber and cartridge filter chamber connect in series
- Units fitted with bleed valves and pressure gauges
- Initial pressure drop is less than 5 psi at 400 GPM
- System can stand alone for sediment removal or be used in combination with media vessels

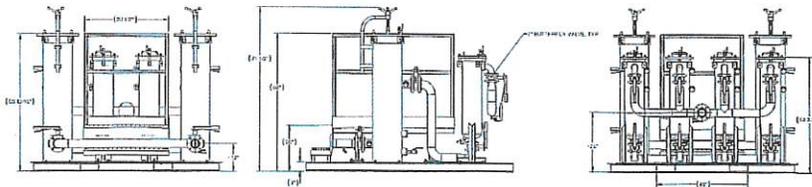


Specs:

Max Flow	400 GPM
Material	Stainless Steel
Max PSI	125 PSI
Dry weight	2400 lbs.
Footprint:	90" x 84"
Inlet x outlet	3" x 3" Flange

Accessories:

- Spillguard
- Suction and Discharge Hoses



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Sand Media Filter

48-4SSK

Overview:

The 48-4SSK sand media filter features four stainless steel media tanks for silica filtration media and provides a 50 square foot filtration area for flows up to 1000 GPM.

Features:

- 500 lbs. gravel and 1300 lbs. sand per tank
- AC and DC powered automatic filter backwash controller that allows for timed, pressure differential or manual backwash intervals
- Fitted with air vents and pressure gauges
- Corrosion resistant
- Stainless steel inlet, outlet and backwash manifolds
- Pressure sustaining valve to aid in backwash operation
- Solar battery charger for DC operation in remote locations
- Filter tanks are constructed out of 304 stainless steel
- 8" media loading and removal ports
- Most effective backwash rate is 190GPM min



Specs:

Max Flow	1000 GPM
Material	Stainless Steel
Max PSI	100 PSI
Dry weight	4500 lbs.
Footprint:	240" x 48"
Filtration Area:	50 square feet
Inlet x outlet	8" x 8" Victaulic

Accessories:

- Spillguard
- Stainless Steel 304 and Carbon Steel storage tanks in Bi-Level, Mixer, Weir and Manifold configurations
- Polyethylene storage tanks
- Cartridge and bag filters
- HDPE pipe and fittings
- Roll off boxes, dewatering bins and vacuum boxes
- Flow meters and pressure reducing/ sustaining valves
- Aluminum Victaulic pipe and fittings
- Suction and discharge hose



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