



## Central Valley Regional Water Quality Control Board

XX June 2018

Ms. Amanda Appelt  
Flyers Energy LLC  
2360 Lindbergh Street  
Auburn, CA 95602

### **NOTICE OF APPLICABILITY, GENERAL ORDER R5-2015-0012, FLYERS #50, UST CASE NO. 40262, 2501 NOTRE DAME BOULEVARD, CHICO, BUTTE COUNTY**

You have submitted a Notice of Intent for the subject property (Site). We have determined that the proposed in-situ groundwater treatment meets required conditions for authorization under *Order R5-2015-0012, General Order In-Situ Groundwater Remediation and Discharge of Treated Groundwater to Land* (General Order). Find details at: [http://www.waterboards.ca.gov/centralvalley/board\\_decisions/adopted\\_orders/general\\_orders/r5-2015-0012.pdf](http://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/r5-2015-0012.pdf)

All requirements of the General Order will apply to your project, you are hereby assigned General Order Enrollee No. R5-2015-0012-XXXX.

General Order R5-2015-0012 prescribes minimum groundwater monitoring requirements for compliance. The attached Monitoring and Reporting Program sets forth the minimum requirements; additional monitoring may be necessary if proposed compliance wells show unanticipated results.

#### **PROJECT LOCATION**

The project is located at 2501 Notre Dame Boulevard, Chico, Butte County Assessor's Parcel No. 002-210-075-000, Latitude 39.714496, Longitude -121.795049.

#### **PROJECT DESCRIPTION**

The project consists of an interim corrective action entailing the application of a combined in-situ chemical oxidation (ISCO) and biostimulation (enhancing the activity of microorganisms that naturally breakdown contaminants) with pneumatic enhanced injection (PEI) delivery to mitigate the remaining groundwater pollution beneath the Site.

The interim remedial action will consist of injecting an oxidizing agent manufactured by PeroxyChem (a proprietary mixture of Klozur® Persulfate and PermeOx® Ultra) to reduce remaining concentrations of hydrocarbons within the groundwater plume. The target depth of injections into groundwater is anticipated to be 40 to 50 feet below ground surface. The injection event is anticipated in the summer of 2018, followed by one year of post-remedial monitoring. Remedial progress will be reported quarterly, with a final determination after one year to either continue with full-scale remediation using ISCO or evaluate a different approach.

The Discharger shall comply with the monitoring and reporting requirements prescribed in Monitoring and Reporting Program R5-2015-0012-XXXX as included in this NOA.

## PUBLIC COMMENT

Interested parties and public agencies had opportunity to comment on a Tentative Notice of Applicability (NOA) from 4 April 2018 to 4 May 2018. This final NOA incorporates those comments.

## GENERAL INFORMATION

1. Project activities shall be in accordance with requirements in the General Order and information submitted with the Notice of Intent.
2. You will receive annual billing of a required annual fee from the State Water Resources Control Board until this NOA is revoked.
3. You must comply with the attached Monitoring and Reporting Program, and submit results electronically and as hard copies, as provided therein.
4. Failure to abide by the conditions of the General Order could result in an enforcement action as authorized by the provisions of the California Water Code.

Contact Bill Bergmann of my staff at (530) 224-4852, 364 Knollcrest Drive, Suite 205, Redding, CA 96002, or [William.Bergmann@waterboards.ca.gov](mailto:William.Bergmann@waterboards.ca.gov) with questions or comments.

(for) Patrick Pulupa, Incoming Executive Officer for  
Pamela C. Creedon, Executive Officer

WRB:

### Enclosures:

- General Order R5-2015-0012
- General Monitoring and Reporting Program R5-2015-0012-XXXX
- Site Plan

### cc w/encl:

US Environmental Protection Agency, Region IX, San Francisco  
US Fish and Wildlife Service, Sacramento  
Department of Fish and Wildlife, Region 1, Redding  
Division of Drinking Water, State Water Resources Control Board, Redding  
Department of Water Resources, Northern District, Red Bluff  
Nathan Jacobson, State Water Resources Control Board, Sacramento

### cc w/o encl via email:

Amanda Beam, Broadbent & Associates, Chico  
Della Kramer, Central Valley Water Board, Rancho Cordova  
Tom Parker, Butte County Environmental Health, Oroville