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## Central Valley Regional Water Quality Control Board

DRAFT December 5, 2017

Davis Enterprise Cleanup Trust  
c/o Jan Greben  
Greben & Associates  
125 E. De La Guerra Street, Suite 203  
Santa Barbara, CA 93101

### ***NOTICE OF APPLICABILITY OF GENERAL ORDER NO. R5-2015-0012-xxx, DAVIS ENTERPRISE GROUNDWATER CLEANUP, 302 G STREET, DAVIS, YOLO COUNTY***

The Davis Enterprise submitted a completed Notice of Intent, dated September 7, 2017, requesting coverage under Order No. R5-2015-0012, *Waste Discharge Requirements General Order for In-situ Groundwater Remediation and Discharge of Treated Groundwater to Land*. Based on information in the submittal, it is our determination that this project meets the required conditions to be approved under Order No. 2015-0012. All of the requirements contained in the general order are applicable to this project. The project is assigned Order No. R5-2015-0012-xxx.

#### **Project Location:**

The project is in Yolo County, Township 8N, Range 2E, Section 15, Mount Diablo Baseline & Meridian. Assessor's Parcel Numbers 070-218-001 and 070-218-002; Latitude 38°32'47" N, Longitude 121°44'20"W.

#### **Project Description:**

The Davis Enterprise operated a newspaper printing business at the 302 G Street in Davis (Site) between 1966 and early 2015. Historical records indicate that the Davis Laundry and Cleaners operated a dry cleaner facility at the Site between the 1930s and the 1960s. Davis Laundry and Cleaners was reported to have used tetrachloroethene (PCE) at the Site. Investigations to identify the nature and extent of pollution at the Site began around 1999. A number of pilot studies were conducted at the site between 2003 and 2011 including ozone sparging, air sparging with soil vapor extraction, in-well air stripping, and zero valent iron injection.

To clean up the groundwater, the Davis Enterprise plans to inject 3-D Microemulsion, Chemical Reducing Solution™, and SDC-9™ microbial consortium (135 liters) and, if necessary EHC@ISCR, which are commercially available groundwater remediation amendments that will

be mixed with potable water. The potable water will be treated with sodium ascorbate. 3-D Microemulsion® releases carbon compounds and molecular hydrogen to stimulate anaerobic reductive de-chlorination of PCE to ethene and ethane, which ultimately break down to carbon dioxide and water. Chemical Reducing Solution™ and EHC®ISCR provide a source of ferrous iron, which can facilitate abiotic destruction of PCE. SDC-9™ is a microbial consortium including dehalococoides capable of fully dechlorinating PCE and its breakdown products. Approximately 21,000 pounds of amendments along with 110 liters of SDC-9™ will be injected at the Site. Injections will use approximately 14 injection borings to place amendments in the groundwater beneath the paved lot on the north side of the Site building in the area shown on Figure 5-1 of the attached Groundwater Monitoring and Reporting Program. The borings will be used to inject the amendments into the groundwater at depths ranging between 50 and 130 feet. Each boring will be backfilled with cement after completing the injections.

Davis Enterprise will be conducting sampling and reporting the results as described in the attached Groundwater Monitoring and Reporting Program.

**General Information:**

1. The project will be operated in accordance with the requirements contained in the General Order and in accordance with the information submitted in the completed Notice of Intent.
2. The required annual fee (as specified in the annual billing you will receive from the State Water Resources Control Board) shall be submitted until this Notice of Applicability is officially revoked.
3. Injection of materials other than 3-D Microemulsion®, Chemical Reducing Solution™, SDC-9™, sodium ascorbate, EHC®ISCR, and water into the subsurface is prohibited.
4. Failure to abide by the conditions of the General Order could result in an enforcement action as authorized by provisions of the California Water Code.
5. Davis Enterprise shall comply with the attached Monitoring and Reporting Program, Order No. R5-2015-0012-xxx and any revisions thereto as ordered by the Executive Officer.

If you have any questions regarding this matter, please call Nathan Casebeer at (916) 464-4665.

PAMELA C. CREEDON  
Executive Officer

Attachment

cc: Della Kramer, Regional Water Quality Control Board, Rancho Cordova  
Peter Krasnoff, West Environmental Services & Technology, San Rafael  
Burt McNaughton, Davis Enterprise, Davis  
Foy Scot McNaughton, McNaughton Newspapers, Davis  
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