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## Central Valley Regional Water Quality Control Board

22 August 2023

Bruce Bedig  
Grass Valley Reserve  
3685 Mt. Diablo Blvd, Suite 355  
Lafayette, CA 94549  
[bebonln@gmail.com](mailto:bebonln@gmail.com)

### **REVISED NOTICE OF APPLICABILITY OF GENERAL ORDER NO. R5-2015-0012-047, VALET CLEANERS, 640 EAST MAIN STREET, GRASS VALLEY, NEVADA COUNTY**

Apex Envirotech, Inc. (Apex) submitted on your behalf, a *Remediation Action Workplan* dated 5 May 2023, requesting revised coverage for additional remedial injections under Order No. R5-2015-0012, *Waste Discharge Requirements General Order for In-Situ Groundwater Remediation and Discharge of Treated Groundwater to Land* (General Order). On 4 September 2018, Central Valley Regional Water Quality Control Board (Central Valley Water Board) issued a Notice of Applicability (NOA) and Monitoring and Reporting Program (MRP) under General Order No. R5-2015-0012, assigned R5-2015-0012-047. Based on information submitted, it is our determination that this project continues to meet the required conditions to be covered under General Order No. R5-2015-0012. All the requirements contained in the general order are applicable to this project.

#### **Project Location:**

The project is located at 640 East Main Street in Grass Valley, Nevada County, Latitude 39° 13' 28.6"N, Longitude 121° 03' 15.9"W, Assessor's Parcel Number 09-190-18-000. In-situ treatment will be conducted in the northern portion of the site, within the vicinity of the on-site structure.

#### **Project Description:**

Past operations at the former Valet Cleaners caused groundwater pollution with chlorinated volatile organic compounds (CVOCs) including tetrachloroethylene (PCE), trichloroethylene (TCE), and cis-1,2-dichloroethylene (cis-1,2-DCE). Previous remediation activities conducted at the Site consist of groundwater extraction and ex-situ treatment. Remedial activities conducted under the initial NOA included

MARK BRADFORD, CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

subsurface injections to stimulate enhanced reductive dechlorination utilizing an electron donor emulsion (3-D Microemulsion [3DMe]) and bioaugmentation culture (Bio-Dechlor Inoculum Plus [BDI Plus]). Monitoring results have demonstrated active dechlorination within the remediation area following injections.

Additional remedial injections have been proposed to address the remaining elevated CVOC concentrations in groundwater and further reduce mass of PCE, TCE, and cis-1,2-DCE within the remediation area. Existing monitoring and extraction wells (EW-1, MW-1, MW-5, MW-6A, MW-6B) will be utilized for subsurface application of remedial injection solution. An additional injection amendment, Sulfidated-Micro Zero Valent Iron (S-Micro ZVI) will be added to the previously utilized injection solution consisting of 3DMe and BDI Plus.

As part of this Order, groundwater monitoring will be performed to monitor progress of the remedy and confirm injection of the amendment solution is not adversely impacting groundwater quality in accordance with the MRP issued 4 September 2018.

A fact sheet describing the project and soliciting input from the public prior to implementation of the initial NOA was circulated 25 June 2018. No comments were received during the 30-day comment period. Since the current project does not vary significantly from the original and is a continuation of the methods and injections utilized previously, additional public noticing is not needed at this time.

#### **General Information:**

1. The project will be operated in accordance with the requirements contained in the General Order No. R5-2015-0012 and in accordance with the information submitted in the 5 May 2023 *Remediation Action Workplan* and specified in this Revised Notice of Applicability.
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 Revised Notice of Applicability is officially revoked.
3. Injection of materials other than the approved amendments, 3DMe, BDI Plus, and S-Micro ZVI, 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. The Discharger shall comply with the Monitoring and Reporting Program, Order No. R5-2015-0012-047, and any revisions thereto as ordered by the Executive Officer.

If you have any questions regarding this matter, you may contact Nathan Casebeer by telephone at (916) 464-4665 or by email at [nathan.casebeer@waterboards.ca.gov](mailto:nathan.casebeer@waterboards.ca.gov).

***ORIGINAL SIGNED BY JOHN J. BAUM***

for PATRICK PULUPA  
Executive Officer

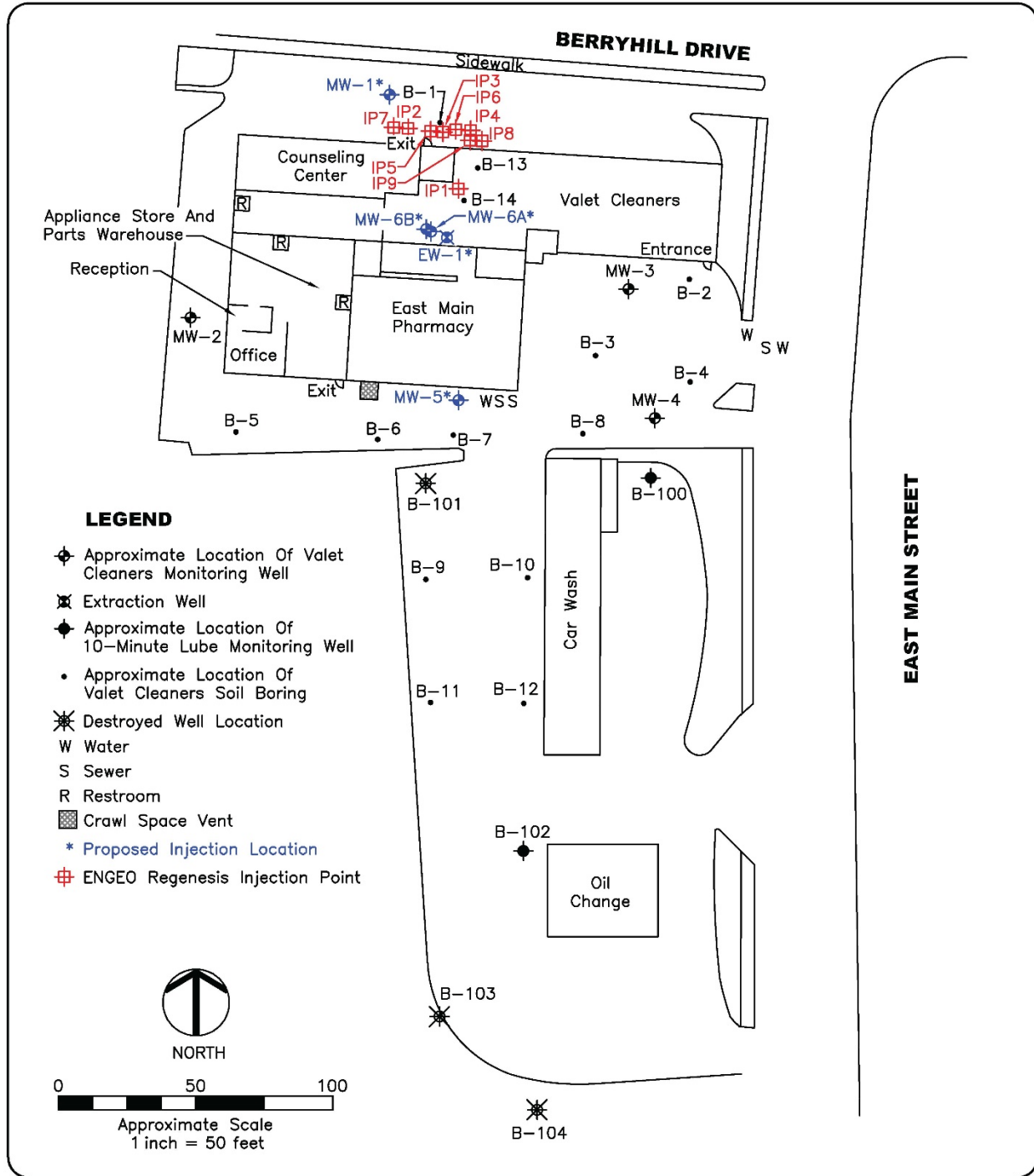
cc: (via email)

Diane G. Kindermann Henderson; Abbott & Kindermann, Inc.  
DKindermann@aklandlaw.com

Apex Envirotech, Inc.

Bryan Yates, [byates@apexenvirotech.com](mailto:byates@apexenvirotech.com)

Dennis Nakamoto, [dnakamoto@apexenvirotech.com](mailto:dnakamoto@apexenvirotech.com)



	DRAWN BY: N. Rouillard DATE: 5/4/23	<b>PROPOSED INJECTION LOCATION MAP</b>	<b>FIGURE 1</b>
	REVISIONS		
	PROJECT NUMBER:		
	GVR02.003		