

# DTSC WORK NOTICE

**Department of Toxic Substances Control** – Our mission is to protect the people, communities, and environment of California from harmful chemicals by cleaning up contaminated sites, enforcing hazardous waste laws, and compelling the development of safer products.

## **Zeneca/Former Stauffer Chemical Site 1415 South 47th Street, Richmond, CA 94804**

### **Groundwater injections starting week of October 9, 2023**

#### **WHAT IS HAPPENING?**

The California Department of Toxic Substances Control (DTSC) is providing this work notice to inform the community about upcoming groundwater injection work at the Zeneca Richmond Ag Products/Former Stauffer Chemical Site at 1415 South 47th Street in Richmond, CA 94804 (Site). The Site is owned by HRP Campus Bay Property, LLC. This work will also extend into the neighboring University of California Richmond Field Station Property to the west (see Figure 1).

The purpose of the work is to break down volatile organic compounds (VOCs) found in groundwater at the Site. The work is being done according to a DTSC-approved [Revised Remedial Design Details Report](#) and includes the following activities:

- Groundwater monitoring well installation for 30 new wells, which is currently underway.
- Groundwater sampling from September 25 to October 11, 2023.
- Groundwater injections from October 9, 2023 to May 29, 2024.

#### **WHAT IS BEING INJECTED INTO GROUNDWATER?**

The treatment technologies include fracturing of shallow soil with water to create space for injections, followed by groundwater injections to break down VOCs. The goal of the injections is to make groundwater conditions favorable for microbes using reactive iron and other materials, then add microbes that will naturally break down the VOCs. Groundwater monitoring will continue after the injections, to confirm that the microbes and reactive iron are effective at reducing the VOCs over time.

The injection materials are solids and liquids that will be mixed on Site. Contractors for Zeneca, Inc. will inject these materials at about 400 locations, to depths of up to 40 feet below the ground surface, using high-pressure equipment (see Figure 1). The materials include:

- Microbes
- Reactive iron
- Food for microbes (e.g., soybean oil, calcium propionate, kelp meal, yeast extract, soy meal)
- Additional materials to improve groundwater conditions for microbes (e.g., balance acidity/alkalinity, dissolve food, remove oxygen, and provide nutrients)
- City water

## HOW WILL THE WORK IMPACT YOU?

Initial treatment is expected to take at least nine months. Additional injections may be necessary based on initial groundwater monitoring results. Monitoring at approximately 100 groundwater wells will continue for at least five years, and beyond that time depending on results.

Workers must observe a health and safety plan designed for the Site, which includes measures to control noise and other construction-related hazards for workers. Workers are certified for hazardous waste operations, and include the following contractors working on behalf of Zeneca, Inc.:

- Terraphase Engineering, Inc. (Oakland, CA)
- FRx, Inc. (Blue Ash, OH)
- ISOTEC/In-Situ Oxidative Technologies, Inc. (Lawrenceville, NJ)
- Penecore Drilling, Inc. (Woodland, CA)
- LSA Associates, Inc. (Point Richmond, CA)
- Subdynamic Locating Services, Inc. (San Jose, CA)
- Kister, Savio & Rei Surveyors, Inc. (Pinole, CA)

Work is expected to occur **Monday through Friday from 7:00 am to 5:00 pm**, with weekend and holiday work as necessary. Work hours would follow the City's noise ordinance requirement, which limits construction activities from 7:00 am to 7:00 pm on weekdays and 9:00 am to 8:00 pm on weekends and holidays. Vehicle speed on Site is limited to a maximum 10 mph.

You may notice the following temporary noise impacts:

- Operation of mobile drilling equipment, injection equipment, or vehicles (e.g., drill rigs, air compressors/pumps, forklifts, tanker trucks, and box trucks).

Contractors do not expect any significant off-Site dust impacts (e.g., from mixing materials or vehicle traffic), nor do they expect any significant off-Site parking or traffic impacts.

## WHERE CAN I FIND MORE INFORMATION?

If you have any questions or concerns in general, please contact:

- Ian Utz, Project Manager, at (510) 540-3845 or [ian.utz@dtsc.ca.gov](mailto:ian.utz@dtsc.ca.gov)
- Asha Setty, Public Participation Specialist, at (510) 540-3910, or [asha.setty@dtsc.ca.gov](mailto:asha.setty@dtsc.ca.gov)
- DTSC Public Participation Office, toll-free at (866) 495-5651

If you have any questions or concerns for contractors, please contact:

- Zeneca, Inc. public automated phone hotline at (510) 426-5396

For media requests, please contact:

- Devin Hutchings, Public Information Officer, at (916) 903-6949 or [devin.hutchings@dtsc.ca.gov](mailto:devin.hutchings@dtsc.ca.gov)

Project documents are available online at [www.envirostor.dtsc.ca.gov](http://www.envirostor.dtsc.ca.gov). Search for project code "07280002" or "Zeneca Richmond Ag Products" and select from the drop-down menu.

- To find the [Revised Remedial Design Details Report](#), click on the Activities tab and find "Remedial Design Work Plan - Groundwater ERD" dated July 24, 2023.

**Figure 1: Map of Site Work Areas for Groundwater Injections**



Hearing impaired individuals may use the California Relay Service at 711 or 800-735-2929 TTY/VCO/HCO to voice.



Additional information on DTSC sites can be found through our [EnviroStor](#). (rev. 5-2020)