Los Angeles Regional Water Quality Control Board

September 22, 2020

Mr. Christian Darville
Hi-Shear Corporation
2600 Sky Park Drive
Torrance, CA 90505

Certified Mail
Return Receipt Requested
Claim No. 7019 0140 0000 6433 7623

SUBJECT: COMMENTS ON ONSITE VERTICAL GROUNDWATER INVESTIGATION WORK PLAN PURSUANT TO CALIFORNIA WATER CODE SECTION 13267 ORDER

SITE: HI-SHEAR, 2600 SKYPARK DRIVE, TORRANCE, CALIFORNIA (SCP NO. 218, SITE ID NO. 2042300)

Dear Mr. Darville:

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) is the state agency with primary responsibility for the protection of groundwater and surface water quality within major portions of Los Angeles and Ventura counties. To accomplish this, the Regional Board oversees the investigation and cleanup of discharges of waste that may affect the quality of waters of the state as authorized by the Porter-Cologne Water Quality Control Act (California Water Code [CWC], Division 7).

The Regional Board received the *Onsite Vertical Groundwater Investigation Work Plan* dated May 22, 2020 (Work Plan), prepared on your behalf by Genesis Engineering and Redevelopment (GER) in response to the Regional Board's January 30, 2019 and February 18, 2020 amendments of the CWC 13267 Order dated October 29, 2009 (Order) for the subject facility (Site).

A summary of the Work Plan and Regional Board comments and requirements are included below.

SUMMARY OF THE WORK PLAN

The objective of the Work Plan is to delineate the vertical extent of on-Site volatile organic compound (VOCs) impacts to groundwater in the vicinity of existing wells MW-3 and MW-18.

The scope of work presented in the Work Plan is as follows:

1. Advance two boreholes to 150 feet below ground surface (bgs). Collect reconnaissance groundwater samples from 10-foot intervals between 90 and 130 feet bgs. Once the borehole has been advanced to the specified depth, a temporary well with a 5-foot long 0.75 inch diameter screen attached at the bottom of a 0.75 inch casing will be lowered to the specified depth inside the augers/drilling rods. The augers/drilling rods will then be drawn back 5 feet to allow groundwater to enter the temporary screen at that depth. A bailer will be used to retrieve the groundwater sample from the temporary screen to the ground surface. The groundwater sample will be decanted from the bailer into the sample containers. All groundwater samples will be analyzed for VOCs by EPA Method 8260B.

2. Install two groundwater monitoring wells with a screened interval between approximately 140 feet and 150 feet bgs. The monitoring wells will then be developed and sampled. The samples will be collected by decanting from the bailer or from a submersible pump discharge hose. All groundwater samples will be analyzed for VOCs by EPA Method 8260B.

REGIONAL BOARD COMMENTS AND REQUIREMENTS

The Regional Board approves the Work Plan with the following comments and requirements:

1. The location of proposed well MW-42 on Figure 7 is approximately 100 feet south of well MW-3, and the location of the proposed well MW-41 is approximately 50 feet southeast of well MW-18. You are required to move the location of MW-42 within 10 feet northwest of well MW-3, and the location of MW-41 within 10 feet northwest of MW-18.

2. Since VOCs may be lost during retrieval of a reconnaissance groundwater sample collected in a bailer at a specified 10-foot depth interval and during decanting the sample from the bailer into a sample container, you are required to use a closed loop groundwater extraction equipment and sampling method and not a bailer for retrieving a groundwater sample from a specific sampled depth in a boring to the sample container at the ground surface to prevent loss of any VOCs during sampling. The Regional Board recommends using a low-flow centrifugal submersible pump to retrieve a reconnaissance groundwater samples.

3. All soil samples collected from 10 feet bgs to the total depth of each of the two borings shall be screened for VOCs in headspace with a photoionization detector (PID). All soil samples that exhibit PID readings for VOCs or visual staining shall be submitted for laboratory analysis of VOCs.

4. The newly installed groundwater monitoring wells shall be incorporated into the groundwater monitoring well network and sample together with the existing wells as part of the tri-annual groundwater monitoring program.

5. Since the objective of the required investigation is to determine the occurrence of any potential vertical migration of VOCs from the regional water table aquifer into deeper aquifers, if the results of this investigation do not delineate the vertical extent of the VOC contamination in the vicinity of MW-3 and MW-18, further vertical groundwater assessment shall be required.

6. By **January 4, 2021**, you are required to submit the technical report of the investigations approved in this letter.

The above requirement for submittal of technical report by the due date listed above constitutes an amendment to the requirements of the Water Code section 13267 Order originally dated October 29, 2009. All other aspects of the Order originally dated October 29, 2009, and the amendments thereto, remain in full force and effect. Pursuant to section 13268 of the California Water Code, failure to submit the required technical reports by the specified due dates may result in civil liability administratively imposed by the Regional Board in an amount up to one thousand dollars ($1,000) for each day each technical report is not received.

Please do not hesitate to contact Mr. Mohammad Zaidi at (213) 576-6732 or Mohammad.Zaidi@waterboards.ca.gov **or Ms. Jillian Ly at (213) 576-6664 or** Jillian.Ly@waterboards.ca.gov **with any questions or concerns you may have.**

Sincerely,

R Purdy
Digitally signed by R Purdy
Date: 2020.09.22 12:02:33 -07'00'
Water Boards

Renee Purdy
Executive Officer

cc: (via email)

Mr. Dmitriy Ginzburg, Division of Drinking Water
Mr. Thomas Schmidt, Hamrick & Evans, LLP
Mr. Stephen Van der Hoven, Genesis Engineering & Redevelopment
Mr. Aram Chaparyan, City of Torrance
Ms. Carla Dillon, City of Lomita
Mr. Ryan Smoot, City Manager, City of Lomita