

October 22, 2019

Mr. Ed Jones, Project Manager
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98008-5452

**RE: PROGRESS REPORT, JULY THROUGH SEPTEMBER 2019
REMEDIAL INVESTIGATION MONITORING AND FEASIBILITY STUDY
CAPITAL INDUSTRIES, INC.
5801 THIRD AVENUE SOUTH, SEATTLE, WASHINGTON
AGREED ORDER NO. DE 10402
FARALLON PN: 457-008**

Dear Mr. Jones:

Farallon Consulting, L.L.C. (Farallon) has prepared this progress report on behalf of Capital Industries, Inc. (CI) to summarize the activities conducted during the third quarter of 2019, July through September, as part of the ongoing remedial investigation monitoring and feasibility study (FS) being conducted at the CI facility at 5801 3rd Avenue South in Seattle, Washington (herein referred to as the CI Site). This progress report has been prepared in accordance with Agreed Order No. DE 10402 dated April 23, 2014, entered into by potentially liable persons that include CI; Art Brass Plating, Inc.; Blaser Die Casting Co.; and PSC Environmental Services, LLC (Burlington Environmental, LLC is a wholly owned subsidiary of PSC Environmental Services, LLC, which is a wholly owned subsidiary of Stericycle Environmental Solutions, Inc.); and by the Washington State Department of Ecology (Ecology) (Agreed Order). CI and the other potentially liable persons listed above are collectively referred to as the West of 4th Group. The West of 4th Group Site under the Agreed Order consists of Site Unit 1 (SU1) and Site Unit 2 (SU2) as depicted on the figure presented in Attachment A. The CI Site is located in SU2.

ACTIVITIES DURING REPORTING PERIOD

Activities completed during this progress reporting period included:

- Continuing operation of vapor intrusion mitigation subslab depressurization systems (SSDSs) at the Pacific Food Systems North Building at 5815 4th Avenue South and the Natus Medical Facility at 5900 First Avenue South in Seattle, Washington;¹
- Conducting a semiannual groundwater monitoring and sampling event on September 25 and 26, 2019 at select SU2 monitoring wells;
- Conducting SSDS operations and maintenance and indoor air sampling events at the Pacific Food Systems North Building and Natus Medical Facility;

¹ The Natus Medical Facility at 5900 First Avenue South in Seattle, Washington was previously known as the Olympic Medical Facility.



- Summarizing the results of the soil vapor extraction (SVE) pilot study conducted as a part of a proposed interim action at CI Plant 4; and
- Meeting with Ecology in August 2019 to discuss the results from the SVE pilot study in CI Plant 4 and the indoor air sampling events at the Pacific Food Systems North Building and the Natus Medical Facility.

These activities are summarized in the sections that follow.

GROUNDWATER MONITORING AND SAMPLING

Groundwater monitoring and sampling were performed on September 25 and 26, 2019 in accordance with the technical memorandum regarding FINAL West of 4th Groundwater Monitoring Program Plan, 2017 through Draft Cleanup Action Plan, W4 Joint Deliverable, Agreed Order No. DE 10402 dated March 21, 2017, from Ms. Janet Knox of Pacific Groundwater Group to Mr. Jones of Ecology. Groundwater elevation data were collected at select SU2 monitoring wells. Groundwater samples were collected from monitoring wells scheduled for sampling and analyzed for chlorinated volatile organic compounds. Groundwater samples from select monitoring wells also were analyzed for natural attenuation parameters, including nitrate, ferrous iron, sulfate, methane, total organic carbon, and ethane/ethene. Summary figures and tables will be provided to Ecology and included in the fourth quarter 2019 progress report.

VAPOR INTRUSION MITIGATION

The SSDSs at the Pacific Food Systems North Building and the Natus Medical Facility operated continuously during the third quarter of 2019. Operations and maintenance activities and indoor air sampling were conducted at the Pacific Food Systems North Building and the Natus Medical Facility on September 26, 2019. SSDS components on the exterior of the buildings were inspected for damage following a recent series of thunderstorms that passed through the area of the Site in September 2019. No damage to exterior SSDS components was observed during the inspections.

Indoor and outdoor air samples were collected at the Pacific Food Systems North Building on September 26, 2019 in accordance with a discussion with Ecology in August 2019 and the letter regarding Indoor Air Sampling Results, West of 4th Site, Site Unit 2, Agreed Order #DE 10402 dated September 3, 2019, from Mr. Jones of Ecology to Ms. Inna Guryevsky of Pacific Food Systems Inc. Tetrachloroethene was detected at a concentration of 702 micrograms per cubic meter in an indoor air sample collected from the central shipping room in March 2019. Several chemicals were present in the central shipping room during sampling and the door to the room was closed during sampling. The detection of tetrachloroethene in this sample was believed to be from chemicals stored in the central shipping room. Indoor air samples were collected from the machine shop, the eastern office, and the central shipping room during the September 26, 2019 sampling event. Farallon and Ecology requested that Pacific Food Systems remove the chemicals stored in the central shipping room several days prior to sampling; however, the chemicals were still present when Farallon arrived to conduct the sampling. The chemicals stored in the central shipping room were relocated to the machine shop and the doors to the eastern office and the central shipping room were left open during sampling.



Indoor and outdoor air samples and supplemental SSDS influent samples were collected at the Natus Medical Facility on September 26, 2019 in accordance with a discussion with Ecology in August 2018 and the letter regarding Indoor Air Sampling Results, West of 4th Site, Site Unit 2, Agreed Order #DE 10402 dated September 3, 2019, from Mr. Jones of Ecology to Mr. Ingo Riedl of Natus Medical, Inc. SSDS influent samples were collected from Sumps 2, 3, and 4 to assess whether trichloroethene concentrations detected in indoor air samples collected from the Natus Medical Facility warehouse in March 2018 and March 2019 are from soil gas or another source such as fugitive vapors in indoor air.

The results of the SSDS operations and maintenance and indoor air sampling events and the supplemental vapor intrusion mitigation system evaluation sampling for the Natus Medical Facility and the Pacific Food Systems North Building will be evaluated in the fourth quarter of 2019 and presented in the corresponding progress report.

FEASIBILITY STUDY REPORT

A pilot study is being conducted at SU1 to evaluate groundwater treatment technologies for chlorinated volatile organic compounds and metals. A pilot study to evaluate SVE as a technology to clean up soil was conducted at CI Plant 4 in SU2.

INTERIM MEASURES

The SVE pilot study was conducted on June 8 and 9, 2019. Farallon provided the draft results of the SVE pilot study to Ecology on July 12, 2019 and met with Ecology to discuss those results on August 7, 2019. CI currently is evaluating the practicability of implementing an SVE system at CI Plant 4.

PUBLIC COMMUNICATIONS

No public communication activities were completed by CI during this period.

ANTICIPATED WORK IN THE NEXT QUARTER

Work anticipated to be performed during the fourth quarter of 2019, October through December, is summarized below.

FEASIBILITY STUDY WORK

Continued interim action work at CI Plant 4 is the only FS-related work anticipated for the fourth quarter of 2019 and is expected to continue throughout 2019. In 2020, following completion of the SU1 pilot study and implementation of an interim action at CI Plant 4, an addendum to the FS reports will be prepared, and a final remedial alternative will be proposed for Ecology approval.

INTERIM MEASURES

CI currently is evaluating the practicability of implementing an SVE system in CI Plant 4. If CI chooses to move forward with implementation of SVE technology, then Farallon will begin preparing the draft SVE Design and Implementation Work Plan. If SVE is not selected as the preferred technology for the interim action, CI will work with Ecology regarding an evaluation of an alternative technology.



GROUNDWATER MONITORING AND SAMPLING

Analytical results from the semiannual groundwater monitoring and sampling event conducted in September 2019 will be summarized in figures and tables that will be provided to Ecology and included in the fourth quarter 2019 progress report.

VAPOR INTRUSION MITIGATION

Analytical and inspection results from the semiannual operations and maintenance events at the Pacific Food Systems North Building and Natus Medical Facility conducted in September 2019 will be summarized in figures and tables that will be provided to Ecology and included in the fourth quarter 2019 progress report. Operation of the existing SSDSs will continue.

PUBLIC COMMUNICATIONS

The project website (<http://www.farallonconsulting.com/457-capital-industries>) will be updated with an electronic copy of this progress report.

The next progress report will summarize activities completed from October through December 2019, and will be submitted on or before January 10, 2020.

CLOSING

Farallon trusts that this quarterly progress report provides sufficient information for Ecology needs. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Jennifer L. Moore
Senior Scientist

Jeffrey Kaspar, L.G., L.H.G.
Principal Geologist

Attachment: Attachment A, Site Diagram

cc: Ron Taylor, Capital Industries, Inc.
Donald Verfurth, Gordon and Rees, L.L.P.
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Kenneth Luther, Chubb Group of Insurance Companies
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Email with link to electronic copy on project website:

Janet Knox, Pacific Groundwater Group

Dana Cannon, Aspect Consulting

Bill Carroll, Arrow Environmental

Bill Beck, PSC Environmental Services, LLC

JM/JK:mm

**ATTACHMENT A
SITE DIAGRAM**

PROGRESS REPORT, JULY THROUGH SEPTEMBER 2019

Capital Industries, Inc.
5801 Third Avenue South
Seattle, Washington

Farallon PN: 457-008

