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Subject:

**Progress Report – Fourth Quarter 2019**

Chevron 96590  
232 East Woodin Avenue  
Chelan, WA 98816

ENVIRONMENT

Date:

January 14, 2019

Contact:

Grayson Fish

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Dear John Mefford:

On behalf of Chevron Environmental Management Company (CEMC), Arcadis U.S., Inc. (Arcadis) is providing this progress report to document activities performed to satisfy the requirements of Agreed Order No. 10629 (Agreed Order) associated with the former Chevron facility 96590 located at 232 East Woodin Avenue in Chelan, Washington (site).

Our ref:

30012528

Section VII D of the Agreed Order requires quarterly progress reports be submitted to the Washington State Department of Ecology (Ecology) by the 15<sup>th</sup> of the month following the reporting period. This report summarizes activities completed from April 1 through December 31, 2019.

**Description of Actions Taken to Comply with Agreed Order**

- Quarterly groundwater monitoring was completed for four quarters of 2019. Groundwater monitoring events were conducted on April 29, June 10, September 22, and November 6, 2019.
- In July 2019, Leidos submitted a Draft Supplemental Remedial Investigation Report – Phase 4, summarizing field activities completed in October and November 2018. This phase of the remedial investigation included the following investigation elements:
  - Investigation of suspected undocumented underground storage tanks (USTs) in the vicinity of monitoring well MW-21;

- Installation of four new groundwater monitoring wells to further delineate the eastern and western extents of the Site;
  - Additional investigation to further delineate LNAPL occurrence in the vicinity of monitoring well MW-10; and
  - Additional investigation along East Woodin Avenue to evaluate the potential for additional petroleum sources in the vicinity of monitoring
- Ecology responded with comments in a letter dated September 11, 2019, identifying data gaps based on previous work including the Phase 4 SRI field work. Data gaps identified included:
    - Delineation of contamination at the northwest portion of the Site, near MW-27
    - Delineation of contamination in the vicinity of two additional UST locations that may have contributed to petroleum contamination to the groundwater plume, near MW-17 and MW-21
    - Limited understanding of the vertical profile of hydraulic conductivity throughout the site, and distribution of formation NAPL with coincident identification of the mobile NAPL units.
  - Arcadis coordinated a comprehensive survey of all active wells at the site on October 24, 2019. Updated elevation data was uploaded to Ecology's EIM database.
  - CEMC and Arcadis provided groundwater monitoring data collected during 2018 and 2019 to Ecology via email.
  - Arcadis began planning and compiling data to produce a 3D model of the site.

### Changes in Key Personnel

- The CEMC Project Coordinator and the environmental consultant for CEMC have changed to Tim Bishop and Arcadis, respectively. A notification letter was sent to Ecology dated August 29, 2019.

### Description of work planned for the Next Reporting Period

- Arcadis will upload 2019 environmental data to Ecology's EIM system.
- Arcadis will prepare and submit quarterly updates to Ecology. The updates will be provided via email and submitted to Ecology by the 15<sup>th</sup> of the following the reporting period.
- Arcadis will coordinate the first quarter groundwater monitoring event, to be conducted by Gettler-Ryan.
- Arcadis will prepare a 3D model of the site.
- Arcadis and Chevron will use results of 3D model to inform the discussion of additional investigative work at the site.

If you have any questions or concerns, please do not hesitate to contact me.

John Mefford  
Department of Ecology  
January 14, 2019

Sincerely,

Arcadis U.S., Inc.



Grayson Fish  
Project Manager

Copies:  
Tim Bishop, CEMC