

September 17, 2018



Mr. Dale Myers
Washington State Department of Ecology
Toxics Cleanup Program / Northwest Regional Office
3190 160th Ave. SE
Bellevue, WA 98008

Subject: **Progress Report – July/August 2018**
Newman’s Chevron
2021 6th Street
Bremerton, Washington

Dear Mr. Myers:

On behalf of Chevron Environmental Management Company, Nordic Properties, Inc., and Victory Business Park, LLC (the PLPs), Leidos, Inc. (Leidos) is providing this progress report to document activities performed to satisfy the requirements of Agreed Order No. DE 14246 for the above-referenced site (the Site), located at 2021 6th Street in Bremerton, Washington.

This report represents the first progress report to be submitted under the Agreed Order for the Site and, at the request of Mr. Dale Myers of Ecology, is being submitted to summarize activities completed from July 1 through August 31, 2018. It is expected that future progress reports will be submitted on a monthly basis.

ACTIONS TAKEN TO COMPLY WITH THE AGREED ORDER

- On July 3, 2018, Leidos submitted the Final Remedial Investigation Work Plan (RIWP) to Ecology on behalf of the PLPs.
- Following the Department of Ecology’s approval of the Final RIWP on July 10, 2018, Leidos initiated planning and subcontractor coordination activities necessary to conduct the field activities proposed in the RIWP.
- Between August 22 and August 31, 2018 Leidos completed soil boring and sampling activities proposed in the RIWP. Twenty soil borings were completed and sampled to depths ranging from approximately 7 to greater than 50 feet below ground surface (bgs), including three soil borings that were completed as shallow soil vapor sampling probes. A groundwater bearing zone was not encountered in

any of the soil borings. The presence of three previously undocumented underground storage tanks (USTs) was confirmed in the western portion of the Site by air-vacuum "pothole" excavations in the area of ground-penetrating radar (GPR) anomalies that had previously been identified at the Site. Soil samples were collected from eight borings in between and adjacent to the undocumented USTs to evaluate potential petroleum impacts associated with these tanks; however, sampling and confirmation of the contents of these tanks has not been performed to date. Soil samples collected during the RI field activities have been shipped to Eurofins Lancaster Laboratories Environmental and Leidos is currently awaiting laboratory results for the requested analyses.

SUMMARY OF SAMPLING/TESTING AND OTHER DATA REPORTS

- No sampling, testing, or other data reports have been received for the Site to date. Leidos is currently awaiting laboratory results for soil samples collected during the August 2018 RI field event.

DEVIATIONS FROM THE APPROVED WORK PLAN

During the August 2018 RI field event, the following modifications to scope of work proposed in the approved RIWP were made based on conditions encountered in the field (also see the attached marked up figure):

- Due to an apparent concrete pad below the ground surface at approximately 7 feet below ground surface (BGS) that was encountered at three attempted locations, soil boring SB-6 could not be completed to a depth sufficient to delineate the southern extent of petroleum impacts previously identified by borings BM-4 through BM-7 near the dispenser islands. Therefore a new soil boring location (SB-9) was advanced using an air-knife and hand auger to the south of service station building.
- Based on field screening results for samples collected from boring SB-7, a new boring (SB-8) was advanced to the southwest of SB-7 in an attempt to delineate the extent of petroleum impact in this area of the Site.
- Based on a visual inspection of the interior of the station addition portion of the service station building, it appears that this area of the building was formerly used as a two bay vehicle service area and that hoists were formerly present in each of the service bays. Based on this information, Leidos modified the scope of work to include two hand auger borings (one boring adjacent to each of former hoist locations). However, soil samples could not be collected from either boring due to the presence of pea gravel to depths of 7 or more feet BGS at both of these locations. Due to the inability to collect soil samples from these two locations, soil boring SVP-2 was advanced to approximately 10 feet BGS in order to allow collection of additional samples for characterization of soils in this area of the Site.
- Due to field screening results indicating the potential presence of petroleum impacts at soil boring SB-5, the location for soil vapor sampling probe SVP-3 was adjusted to the south to be located approximately midway between soil borings

- SB-4 and SB-5. Also, due to an elevation change of approximately 3.5 feet between the ground surface at SVP-3 and the adjacent residential property to the east, the boring for SVP-3 was advanced to approximately 10 feet bgs so that the top of the screen interval for this soil vapor sampling probe would be approximately 5 feet below the ground surface of the adjacent residential property.
- Due to difficulty in reaching approximately 10 feet BGS in each of the SVP borings using only a hand auger, air-vacuum equipment was used to assist in the advancement of these borings. However, since collection of soil vapor samples from these probes will be collected approximately two or more weeks after installation of the probes, sufficient time will have elapsed for any potential disturbance of soil vapor conditions to return to equilibrium conditions.
 - Two of three planned soil borings along the western side of the undocumented UST basin could not be completed due to their proximity to the sidewalk and subsurface utilities in that area.

SUMMARY OF CONTACTS WITH PUBLIC STAKEHOLDERS

- Leidos did not engage with representatives of the local community, public interest groups, press, or federal, state, or tribal governments during this reporting period.

PROBLEMS OR ANTICIPATED PROBLEMS IN MEETING THE SCHEDULE OR OBJECTIVES OF AGREED ORDER OR RIWP

- No problems in meeting the schedule or objectives of the Agreed Order or RIWP were identified during the current reporting period.

CHANGES IN KEY PERSONNEL

- There were no changes in key personnel for the project during the current reporting period.

ACTIVITIES ANTICIPATED FOR THE NEXT REPORTING PERIOD

- Leidos expects to complete sampling of soil vapor sampling probes SVP-1, SVP-2, and SVP-3.
- Laboratory results of soil sampling activities completed in August 2018 are expected to be received from Eurofins Lancaster Laboratories Environmental and these results will be submitted to Ecochem for third-party data validation.
- Leidos expects to conduct a preliminary evaluation of soil sampling results from the August 2018 RI field activities in order to determine whether the extent of petroleum impacts to the Site are fully delineated or whether further assessment activities are warranted.

If you have any questions or comments regarding the information presented in this report, please contact me at (425) 482-3323 or via email at russell.s.shropshire@leidos.com.

Sincerely,

Leidos, Inc.



Russell S. Shropshire, PE
Principal Engineer

Enclosures:

Draft Markup of RIWP Figure 4

cc: Michael Warfel – Ecology
Eric Hetrick – CEMC
Cheryl Cameron - CEMC
Roger Jensen – Nordic Properties, Inc.
Jim Reed – Victory Business Park, LLC
Bob Goodman – RJO
Ian Sutton – JZP
Larry Hall – Hall & West
Paul Ferman – Hall & West
Peter Jewett – Farallon
Peter Kingston - Farallon
Project File



LEGEND:

- SB-2 Proposed Soil Boring Location
- SB-1 Proposed Soil Boring/Monitoring Well Location (If Groundwater is Encountered at < 50 feet bgs)
- SB-8 Proposed Contingency Soil Boring/Monitoring Well Location (If Groundwater is Encountered at < 50 feet bgs)
- SVP-1 Proposed Soil Vapor Sampling Location
- BM-1 Approximate Soil Boring Location (PEI, 2009)
- B-3 Approximate Soil Boring Location (Geoscience Management, 2000)
- Approximate Location of Test Excavation and Confirmation Samples (Geoscience Management, 2000)
- Approximate Location of Confirmation Soil Sample (AGI, 1990)
- Approximate Location of Test Pit (AGI, 1990)
- Approximate Location of Former Service Bay Hoist

Soil boring only, no monitoring well installed because no groundwater was encountered at the Site

Not installed because no groundwater was encountered at the Site

Soil boring only, no monitoring well installed because no groundwater was encountered at the Site

Soil samples collected from approximate tank bottom depths at eight locations adjacent to the three USTs confirmed in this area. Samples could not be collected to the west of two USTs due to their proximity to the sidewalk and subsurface utilities.

SVP-3 location moved to approximately here due to field screening results indicating potential petroleum impact at SB-5. Top of vapor probe screen is approximately 8.5 feet bgs due to 3.5 foot elevation difference between ground surface on the Site and the adjacent residential property.

New soil boring (SB-8) added approximately here to delineate potential petroleum impacts indicated by field screening results from SB-7

Boring for SVP-2 was advanced to approximately 10 feet bgs to allow collection of additional samples for soil characterization in the vicinity of the former hoist locations.

New soil boring (SB-9) added approximately here to delineate southern extent of petroleum impacts near dispenser islands because SB-6 could not be advanced beyond 7 feet bgs.

Not installed because no groundwater was encountered at the Site

Attempted hand auger borings at these approximate locations to investigate former hoist locations; however, soil samples could not be collected due to presence of pea gravel to 7 - 8 feet bgs.



DRAFT
For Discussion Only



Newman's Chevron
2021 6th Street
Bremerton, Washington

FIGURE 4
Site Map with Historical and Proposed Investigation Locations

DATE: 6/5/2018

DRAWING: 204177 Site Map.dwg