

1101 South Fawcett Avenue, Suite 200 Tacoma, Washington 98402 253.383.4940

October 10, 2022

Alan Noell, PhD, PE Solid Waste Management Program Washington State Department of Ecology, Northwest Regional Office 3190 160th Avenue SE Bellevue, Washington 98008-5452

Subject: Third Quarter 2022 Progress Report Go East Corp Landfill Site Snohomish County, Washington Agreed Order No. DE 18121 GeoEngineers Project No. 6694-002-05

Dear Mr. Noell,

GeoEngineers, Inc. (GeoEngineers) has prepared this Third Quarter 2022 Progress Report on behalf of P&GE, LLC for the Go East Corp Landfill Site (Site) pursuant to Agreed Order No. DE 18121 (Agreed Order). This report summarizes actions performed during the third quarter of 2022 to implement the requirements of the Agreed Order and includes the information specified in Section VII.C of the Agreed Order.

ON-SITE ACTIVITIES

Eight background sediment samples were collected from Wetland A and Stream 1 on July 13, 2022. Results were provided to Ecology via email on August 1, 2022.

Six soil samples were collected from a former stormwater detention pond in the 'cul-de-sac' area of the site on August 3, 2022. The samples were collected to ensure stormwater had not contaminated soil. Results will be provided in a forthcoming Interim Action Completion Report Addendum.

The fifth round of groundwater and surface water sampling was performed during the week of September 19 that included the following sampling locations:

- Wells MW-1, MW-2, MW-3, MW-5, MW-6, MW-7, MW-8, MW-9 and MW-10.
- Surface water sample location SWS-1 was sampled from the spring box.
- Samples were collected from one seep location. All other locations were dry.

Results will be provided during the fourth quarter of 2022.

DEVIATIONS FROM REQUIRED TASKS NOT OTHERWISE DOCUMENTED IN PROJECT PLANS OR AMENDMENT REQUESTS

None.

DEVIATIONS FROM THE AGREED ORDER SCOPE OF WORK AND SCHEDULE

None.

PLANNED DEVIATIONS FROM THE AGREED ORDER SCOPE OF WORK AND SCHEDULE IN THE UPCOMING QUARTER

None.

PLAN FOR RECOVERING LOST TIME AND MAINTAINING COMPLIANCE WITH THE AGREED ORDER SCHEDULE (APPLICABLE IF SCHEDULE DEVIATIONS OCCURRED DURING THE QUARTER)

Not applicable.

RAW DATA RECEIVED NOT PREVIOUSLY SUBMITTED TO ECOLOGY

Draft analytical results from the six soil samples collected from the cul-de-sac area are attached.

PLANNED DELIVERABLES FOR THE UPCOMING QUARTER (IF DIFFERENT FROM THE AGREED ORDER SCHEDULE)

Fifth quarter groundwater and surface water sampling data.

GeoEngineers trusts that this report meets Ecology's needs. Please call Garrett Leque at 253.312.7958 if you have questions.

Sincerely, GeoEngineers, Inc.

Garrett R. Leque, LG Senior Environmental Geologist Terry R. McPhetridge, LG, LHG Principal

Attachments: Table 1. Summary of Cul de Sac Soil Chemical Analytical Data (Draft) Figure 1. Cul de Sac Soil Sampling Locations

GRL:TRM:ch

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Table 1 Cul de Sac Soil Sampling Results Go East Corp Landfill Site Everett, Washington

Location ID SOIL-1 SOIL-20080 SOIL-5-20080				1				1	
Sample Dis Solit-3/2003 Solit-3/2003 <td></td> <td>Location ID</td> <td>SOIL-1</td> <td>SOIL-2</td> <td>SOIL-3</td> <td>SOIL-4</td> <td>SOIL-5</td> <td>SOIL-6</td>		Location ID	SOIL-1	SOIL-2	SOIL-3	SOIL-4	SOIL-5	SOIL-6	
Sample Date B/3/2022 B/3/202		Sample ID	SOIL-1-220803	SOIL-2-220803	SOIL-3-220803	SOIL-4-220803	SOIL-5-220803	SOIL-6-220803	
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Depth Unit feet		End Depth	0.5	0.5	0.5	0.5	0.5	0.5	
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Benzo(a)anthracene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Benzo(a)pyrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Benzo(b)fluoranthene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Benzo(g,h,i)perylene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Benzo(g,h,i)perylene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Benzo(j,k)fluoranthene NE 0.0073 U 0.0079 U 0.0071 U 0.0073 U 0.0070 U Chrysene NE 0.0073 U 0.0079 U 0.0071 U 0.0073 U 0.0070 U Dibenzo(a,h)anthracene NE 0.0073 U 0.0079 U 0.0071 U 0.0073 U 0.0070 U Fluorene 1.6 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Indeno(1,2,3-c,d)pyrene	Anthracene	47	0.0073 U	0.0079 U	0.0071 U	0.0075 U	0.0073 U	0.0070 U	
Benzo(a)pyrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Benzo(b)fluoranthene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Benzo(g,h,i)perylene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Benzo(j,k)fluoranthene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Chrysene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Dibenzo(a,h)anthracene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Fluoranthene 0.020 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Indeno(1,2,3-c,d)pyrene 1.6 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Naphthalene 4.5 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U	Benzo(a)anthracene	NE	0.0073 U	0.0079 U	0.0071 U	0.0075 U	0.0073 U	0.0070 U	
Benzo(b)fluoranthene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Benzo(g,h,i)perylene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Benzo(j,k)fluoranthene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Chrysene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Dibenzo(a,h)anthracene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Fluoranthene 0.020 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Fluorene 1.6 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Indeno(1,2,3-c,d)pyrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Naphthalene 4.5 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U	Benzo(a)pyrene	NE	0.0073 U	0.0079 U	0.0071 U	0.0075 U	0.0073 U	0.0070 U	
Benzo(g,h,i)perylene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Benzo(j,k)fluoranthene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Chrysene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Dibenzo(a,h)anthracene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Fluoranthene 0.020 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Fluorene 1.6 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Indeno(1,2,3-c,d)pyrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Naphthalene 4.5 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Phenanthrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U	Benzo(b)fluoranthene	NE	0.0073 U	0.0079 U	0.0071 U	0.0075 U	0.0073 U	0.0070 U	
Benzo(j,k)fluoranthene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Chrysene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Dibenzo(a,h)anthracene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Fluoranthene 0.020 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Fluorene 1.6 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Indeno(1,2,3-c,d)pyrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Naphthalene 4.5 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Phenanthrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Pyrene 0.020 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U <	Benzo(g,h,i)perylene	NE	0.0073 U	0.0079 U	0.0071 U	0.0075 U	0.0073 U	0.0070 U	
Chrysene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Dibenzo(a,h)anthracene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Fluoranthene 0.020 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Fluorene 1.6 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Indeno(1,2,3-c,d)pyrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Naphthalene 4.5 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Phenanthrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0070 U Pyrene 0.020 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0070 U Pyrene 0.020 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Total cPAH TEQ (ND=0.5RL)	Benzo(j,k)fluoranthene	NE	0.0073 U	0.0079 U	0.0071 U	0.0075 U	0.0073 U	0.0070 U	
Dibenzo(a,h)anthracene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Fluoranthene 0.020 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Fluorene 1.6 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Indeno(1,2,3-c,d)pyrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Naphthalene 4.5 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Phenanthrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Pyrene 0.020 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Total cPAH TEQ (ND=0.5RL) 0.084 0.00551 U 0.00536 U 0.00566 U 0.00551 U 0.00528 U	Chrysene	NE	0.0073 U	0.0079 U	0.0071 U	0.0075 U	0.0073 U	0.0070 U	
Fluoranthene 0.020 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Fluorene 1.6 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Indeno(1,2,3-c,d)pyrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Naphthalene 4.5 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Phenanthrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Pyrene 0.020 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Total cPAH TEQ (ND=0.5RL) 0.084 0.00551 U 0.00596 U 0.00536 U 0.00566 U 0.00551 U 0.00528 U	Dibenzo(a,h)anthracene	NE	0.0073 U	0.0079 U	0.0071 U	0.0075 U	0.0073 U	0.0070 U	
Fluorene 1.6 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Indeno(1,2,3-c,d)pyrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Naphthalene 4.5 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Phenanthrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Pyrene 0.020 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Total cPAH TEQ (ND=0.5RL) 0.084 0.00551 U 0.00596 U 0.00536 U 0.00566 U 0.00551 U 0.00528 U	Fluoranthene	0.020	0.0073 U	0.0079 U	0.0071 U	0.0075 U	0.0073 U	0.0070 U	
Indeno(1,2,3-c,d)pyrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Naphthalene 4.5 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Phenanthrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Pyrene 0.020 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Total cPAH TEQ (ND=0.5RL) 0.084 0.00551 U 0.00596 U 0.00536 U 0.00566 U 0.00551 U 0.00528 U	Fluorene	1.6	0.0073 U	0.0079 U	0.0071 U	0.0075 U	0.0073 U	0.0070 U	
Naphthalene 4.5 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Phenanthrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Pyrene 0.020 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Total cPAH TEO (ND=0.5RL) 0.084 0.00551 U 0.00596 U 0.00536 U 0.00566 U 0.00551 U 0.00528 U	Indeno(1,2,3-c,d)pyrene	NE	0.0073 U	0.0079 U	0.0071 U	0.0075 U	0.0073 U	0.0070 U	
Phenanthrene NE 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Pyrene 0.020 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Total cPAH TEQ (ND=0.5RL) 0.084 0.00551 U 0.00596 U 0.00536 U 0.00566 U 0.00551 U 0.00528 U	Naphthalene	4.5	0.0073 U	0.0079 U	0.0071 U	0.0075 U	0.0073 U	0.0070 U	
Pyrene 0.020 0.0073 U 0.0079 U 0.0071 U 0.0075 U 0.0073 U 0.0070 U Total cPAH TEQ (ND=0.5RL) 0.084 0.00551 U 0.00596 U 0.00536 U 0.00566 U 0.00551 U 0.00528 U	Phenanthrene	NE	0.0073 U	0.0079 U	0.0071 U	0.0075 U	0.0073 U	0.0070 U	
Total cPAH TEO (ND=0.5RL) 0.084 0.00551 U 0.00596 U 0.00536 U 0.00566 U 0.00551 U 0.00528 U	Pyrene	0.020	0.0073 U	0.0079 U	0.0071 U	0.0075 U	0.0073 U	0.0070 U	
	Total cPAH TEQ (ND=0.5RL)	0.084	0.00551 U	0.00596 U	0.00536 U	0.00566 U	0.00551 U	0.00528 U	

Notes:

 1 Soil screening levels shown are from the June 30, 2021 Final Remedial Investigation Workplan.

NE = Screening level not established

BDL = Below detection limit

Sum of DRO+ORO = Sum of diesel-range organics and oil-range organics

 U = Not detected at the indicated laboratory reporting limit

Total cPAH TEQ (ND=0.5RL) = The total cPAH toxic equivalency concentration calculated per WAC 173-340-900 Table 708-2 using non detects at one half the reporting limit.

Gray shading indicates the concentration exceeds the screening level.

Bold font indicates analyte was detected.





Legend

Property Boundary

- Interim Action Excavation Area (Wedge Area)
- - Former Landfill Limit Actual
 - Final Landfill Limit Anticipated
 - 💻 Final Landfill Limit Actual
 - Confirmation Soil Sampling Location
 - Groundwater Monitoring Well (AESI, 2009)

Approximate Location of Temporary ponded stormwater

Oul de Sac Soil Sampling Location

Notes:

- 1. The locations of all features shown are approximate.
- 2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
- 3. As of report preparation (August 2021), the stream course has been modified.
- Data Source: Property boundary survey from PACE Engineers, dated 1/27/2020. Lidar image and elevation contours from Puget Sound Lidar Consortium dated 2013.

Projection: HPGN (HARN) Washington State Planes, North Zone, US Foot

