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May 21, 2019

Washington State Department of Ecology NWRO Toxics Cleanup Program 3190 160th Avenue SE Bellevue, Washington 98008-5452

Attention: Michael R. Warfel

Subject: KCHA Response to Ecology's March 2019 Opinion Letter

Former Park Lake Homes Maintenance Shop Site

9800 8th Avenue SW Seattle, Washington VCP Project No. NW3033

GeoEngineers File No. 1329-003-26

INTRODUCTION AND BACKGROUND

Thank you for your continued dedication and insightful guidance that supports King County Housing Authority's (KCHA) engagement in the Voluntary Cleanup Program (VCP). GeoEngineers prepared this letter on behalf of KCHA to respond to Ecology's opinion letter dated March 19, 2019 ("Opinion pursuant to WAC 173-340-515[5] on Remedial Action for the following Hazardous Waste Site: Park Lake Homes Maintenance Shop" dated March 19, 2019). KCHA conducted an independent Model Toxics Control Act (MTCA) cleanup of the Site in 2005. The Site was substantially redeveloped beginning in 2006 with infrastructure, housing, parking and common areas associated with KCHA's Greenbridge project. Please see the attached Figure 1 which shows the current layout of the Site relative to the footprint of the Maintenance Center building, 2005 remedial excavations and post-cleanup excavations completed during redevelopment for the purposes of KCHA infrastructure (i.e., temporary stormwater pond and permanent water quality vault).

The Site was entered in the Voluntary Cleanup Program (VCP) in 2016. Two monitoring wells were installed in July 2017 and have been monitored on a quarterly basis. In addition, a series of four intermittent groundwater removal events were completed at MW-2 in February and March 2018. GeoEngineers' report entitled "Supplemental Groundwater Characterization Report" dated December 21, 2018 was submitted to Ecology with a request to discontinue monitoring well MW-1. Ecology responded in their letter dated March 19, 2019 concurring with the request to discontinue monitoring well MW-1. In addition, Ecology requested supplemental information. This letter provides KCHA's responses to Ecology's requests in the March 19, 2019 letter.

RESPONSES TO ECOLOGY REQUESTS

Below are KCHA's responses to the additional information requested by Ecology. Ecology's requests are numbered and presented in italics, followed by KCHA's response.

- 1. Report groundwater elevations with respect to NAVD88 vertical datum.
 - The monitoring well casing rim elevations were surveyed by a licensed surveyor on May 15, 2019 relative to NAVD88 datum. Groundwater elevations based on depth to groundwater measurements during quarterly monitoring in 2017 and 2018 are shown the attached Revised Table 1.
- 2. Create groundwater elevation contour maps to support delineation of groundwater flow directions and calculation of groundwater gradients.
 - Groundwater elevation maps will be included in the next annual monitoring report which will be submitted in Fall 2019.
- 3. Preparation of a hydrogeologic cross section (NAVD88 vertical scale) showing control points, stratigraphy, groundwater levels, groundwater sample results, historical sources of contamination, and limits of prior soil excavation are requested for final reporting.
 - A hydrogeologic cross section will be included in the next monitoring report.
- 4. A Terrestrial Ecological Evaluation (TEE), per the substantive requirements of the Model Toxics Control Act (MTCA) and applicable Ecology guidance are needed.
 - KCHA will submit TEE documentation in the next monitoring report.
- 5. Electronic submittal of all sampling data into Ecology's Environmental Information Management (EIM) database is required.
 - KCHA will submit the groundwater monitoring data into Ecology's EIM database.
- 6. Determine if the evaluation of compliance with Method A soil and groundwater cleanup levels for total petroleum (TPH) for diesel (TPHd) and heavy oil (TPHo) requires adding concentrations of the two fractions and comparing the result to the cleanup level.
 - GeoEngineers will complete this evaluation before submitting a request for no further action. In the meantime, results are shown separately for diesel-range and for heavy oil-range petroleum hydrocarbons.
- 7. Two detections of pesticide heptachlor epoxide in MW-2 were above the Method B cleanup level of 0.00481 µg/L. The Method B cleanup level cited in Table 2 of the Supplemental Groundwater Characterization report was incorrectly reported.
 - Please see the attached revised Table 2 Groundwater Chemical Analytical Data, which reflects the corrected MTCA Method B groundwater cleanup level for heptachlor epoxide $(0.00481 \, \mu g/L)$.
- 8. Ecology noted that the field groundwater pH measurements for MW-2 are above characteristic dangerous waste corrosive threshold of 12.5.
 - KCHA concurs. KCHA will address this with respect to characterization and proper handling and disposing of wastewater in accordance with applicable regulations.



9. Documentation should be submitted for water volumes, disposal method, and disposal facility from the MW-2 groundwater discharged during the February to March 2018 events.

Please see attached documentation regarding water disposal volumes, disposal method, and disposal facility to Marine Vacuum's Industrial Waste Facility for disposal to the sanitary sewer in accordance with their discharge permit (Permit #767606).

10. Ecology requested retaining MW-1 to enable collection of water level data from the well.

GeoEngineers will continue to collect depth to groundwater measurements at MW-1. Quarterly groundwater monitoring will continue at MW-2 for the following analytes, as approved by Ecology: Diesel- and Heavy Oil-range petroleum hydrocarbons by Northwest Method NWTPH-Dx, and Organochlorine Pesticides by Method EPA 8081B.

We appreciate Ecology's review and opinion on the ongoing cleanup action at the Site and will continue to keep Ecology appraised of future plans. KCHA intends to remain in the VCP. Please contact us if you have additional questions.

Sincerely,

GeoEngineers, Inc.

Adra Carliste for Katy Atakturk Geologist

KRA:DLC:tln

cc:

John Eliason

King County Housing Authority

Attachments:

Revised Table 1 Monitoring Well Depth to Groundwater and Groundwater Elevation Data Revised Table 2 Summary of Monitoring Well Groundwater Chemical Analytical Data Figure 1 Site Plan, Current Layout Wastewater Disposal Tickets

Disclaimer: Any electronic form, facsimile or hard copy of the original document (email, text, table, and/or figure), if provided, and any attachments are only a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.





Revised Table 1

Monitoring Well Depth to Groundwater and Groundwater Elevation Data

King County Housing Authority - Former Park Lake Homes Maintenance Shop Site $9800\ 8^{\rm th}$ Avenue SW, Seattle, Washington

Monitoring Well Identification ¹		Depth to Water	Groundwater	Well Scree	n (feet bgs)
(casing rim elevation feet) ²	Date measured	(feet below casing rim)	Elevation (feet)	Тор	Bottom
	08/28/17	9.64	397.77		
MW-1 (407.41)	12/01/17	7.37	400.04	5	20
(407.41)	04/30/18	8.12	399.29		20
	07/18/18	9.81	397.60		
	08/28/17	7.99	400.59		
MW 0 (400 F0)	12/01/17	6.57	402.01	-	00
MW-2 (408.58)	04/30/18	7.27	401.31	5	20
	07/18/18	8.96	399.62		

Notes:

bgs = below ground surface

Monitoring well survey not yet completed. Approximate ground surface elevation at MW-1 and MW-2 is 410 feet above mean sea level.



¹Monitoring well locations are shown on Figure 2.

 $^{^{2}}$ NAVD 1988 datum per 5/15/19 survey by Goldsmith Engineering.

Revised Table 2

Summary of Monitoring Well Groundwater Chemical Analytical Data King County Housing Authority - Former Park Lake Homes Maintenance Shop Site 9800 8th Avenue SW, Seattle, Washington

										MTCA Method A or B
Sample ID ¹	Units	MW-1-170828 08/28/17	MW-1-171201 12/01/17	MW-1-180430 04/30/18	MW-1-180718 07/18/18	MW-2-170828 08/28/17	MW-2-171201 12/01/17	MW-2-180430 04/30/18	MW-2-180718 07/18/18	Cleanup Level
Sample Date		08/28/11	12/01/17	04/30/18	07/18/18	08/28/17	12/01/17	04/30/18	01/18/18	
Petroleum Hydrocarbons by NWTPH-G or NWT				<u> </u>			1	<u> </u>	<u> </u>	2
Gasoline-Range	μg/L	<100	<100	<100	<100	<100	<100	<100	<100	800 ²
Diesel-Range	mg/L	<0.26	<0.25	<0.26	<0.25	0.89	0.83	0.52	0.49	0.5
Oil-Range	mg/L	<0.42	<0.41	<0.41	<0.41	2.5	2.2	2.0	1.4	0.5
Totals Metals by EPA 6000/7000 Series or E	PA 200.8	_						T	T	
Arsenic	μg/L	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	5
Chromium	μg/L	<11	<11	30	<11	<11	<11	<11	<11	50
Nickel	μg/L	<22	<22	<22	<22	23	<22	<22	<22	320
Other (Cadium, Lead, Zinc)	μg/L	ND	ND	Lead- 2.1	ND	ND	ND	ND	ND	Lead - 15
Volatile Organic Compounds (VOCs) by EPA 8	260 ⁴									
Benzene	μg/L	<0.20	<0.20	<0.20	<0.20	0.77	0.68	0.40	0.47	5
Toluene	μg/L	<1.0	<1.0	<1.0	<1.0	1.1	1.0	<1.0	<1.0	1,000
Ethylbenzene	μg/L	<0.20	<0.20	<0.20	<0.20	0.24	0.24	<0.20	0.23	700
Total Xylenes ³	μg/L	<0.40	<0.40	<0.40	<0.40	0.75	0.74	0.22	0.68	1,000
Acetone ⁴	μg/L	<5.0	<5.0	<5.0	<5.0	11	6.6	10	9.6	720
Carbon Disulfide	μg/L	<0.20	<0.20	<0.20	<0.20	0.33	<0.20	<0.20	<0.20	800
1,2,4-Trimethylbenzene	μg/L	<0.20	<0.20	<0.20	<0.20	0.27	0.27	0.23	0.26	NE
Naphthalene	μg/L	<1.0	<1.3	<1.3	<1.5	1.2	<1.3	<2.3	<1.5	160 ⁵
p-lsopropyltoluene	μg/L	<0.20	<0.20	<0.20	<0.20	4.7	5.7	6.8	7.8	NE
Polychlorinated Biphenyls (PCBs) by EPA 808	32A									
PCBs	μg/L	ND	-		-	ND				varies
Organochlorine Pesticides by EPA 8081B ⁶										
Endosulfan I	μg/L	0.012	<0.0047	<0.0048	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	NE
Heptachlor Epoxide	μg/L	<0.0047	<0.0047	<0.0048	<0.0047	<0.0047	0.011	<0.0047	0.0053	0.00481



Sample ID ¹ Sample Date	Units	MW-1-170828 08/28/17	MW-1-171201 12/01/17	MW-1-180430 04/30/18	MW-1-180718 07/18/18	MW-2-170828 08/28/17	MW-2-171201 12/01/17	MW-2-180430 04/30/18	MW-2-180718 07/18/18	MTCA Method A or B Cleanup Level
Polycyclic Aromatic Hydrocarbons (PAHs) by	EPA 8270D/SI	M ⁶								
Naphthalene	μg/L	<0.0094	<0.0047	<0.095	<0.096	0.46	0.60	0.44	0.51	
1-Methylnaphthalene	μg/L	<0.094	<0.0047	<0.095	<0.096	0.30	0.37	0.30	0.35	160 ⁵
2-Methylnaphthalene	μg/L	<0.094	<0.0047	<0.095	<0.096	0.30	0.42	0.27	0.37	
Benzo[a]anthracene (cPAH)	μg/L	<0.0094	<0.0047	<0.0095	0.0100	<0.094	<0.0094	0.012	<0.0096	see cPAHs (TEQ)
Benzo[a]pyrene (cPAH)	μg/L	<0.0094	<0.0047	<0.0095	0.0110	<0.0094	<0.0094	<0.0097	<0.0096	see cPAHs (TEQ)
Benzo[b]fluoranthene (cPAH)	µg/L	<0.0094	<0.0047	0.0098	0.0130	<0.0094	<0.0094	0.0100	<0.0096	see cPAHs (TEQ)
Benzo(k)fluoranthene (cPAH)	μg/L	<0.0094	<0.0047	<0.0095	<0.0096	<0.0094	<0.0094	<0.0097	<0.0096	see cPAHs (TEQ)
Chrysene (cPAH)	μg/L	<0.0094	<0.0047	0.0110	<0.0096	<0.094	<0.0094	<0.0097	<0.0096	see cPAHs (TEQ)
Dibenz[a,h]anthracene (cPAH)	µg/L	<0.0094	<0.0047	<0.0095	<0.0096	<0.0094	<0.0094	<0.0097	<0.0096	see cPAHs (TEQ)
Indeno(1,2,3-c,d)pyrene (cPAH)	μg/L	<0.0094	<0.0047	<0.0095	<0.0096	<0.0094	<0.0094	<0.0097	<0.0096	see cPAHs (TEQ)
Total cPAHs (TEQ) ⁷	μg/L	ND	ND	0.007	0.015	ND	ND	0.008	ND	0.1

Notes:

EPA = U.S. Environmental Protection Agency ND = Not Detected mg/L = milligrams per liter "-" = Not tested $\mu g/L = micrograms per liter$ NA = Not Applicable

Bold indicates analyte was detected.

Shading indicates analyte was detected at a concentration greater than the MTCA Cleanup Level.



¹Monitoring well locations are shown on Figure 2.

 $^{^2}$ When benzene is present the gasoline range cleanup level is 800 μ g/L. When benzene is not present the range cleanup level is 1000 μ g/L.

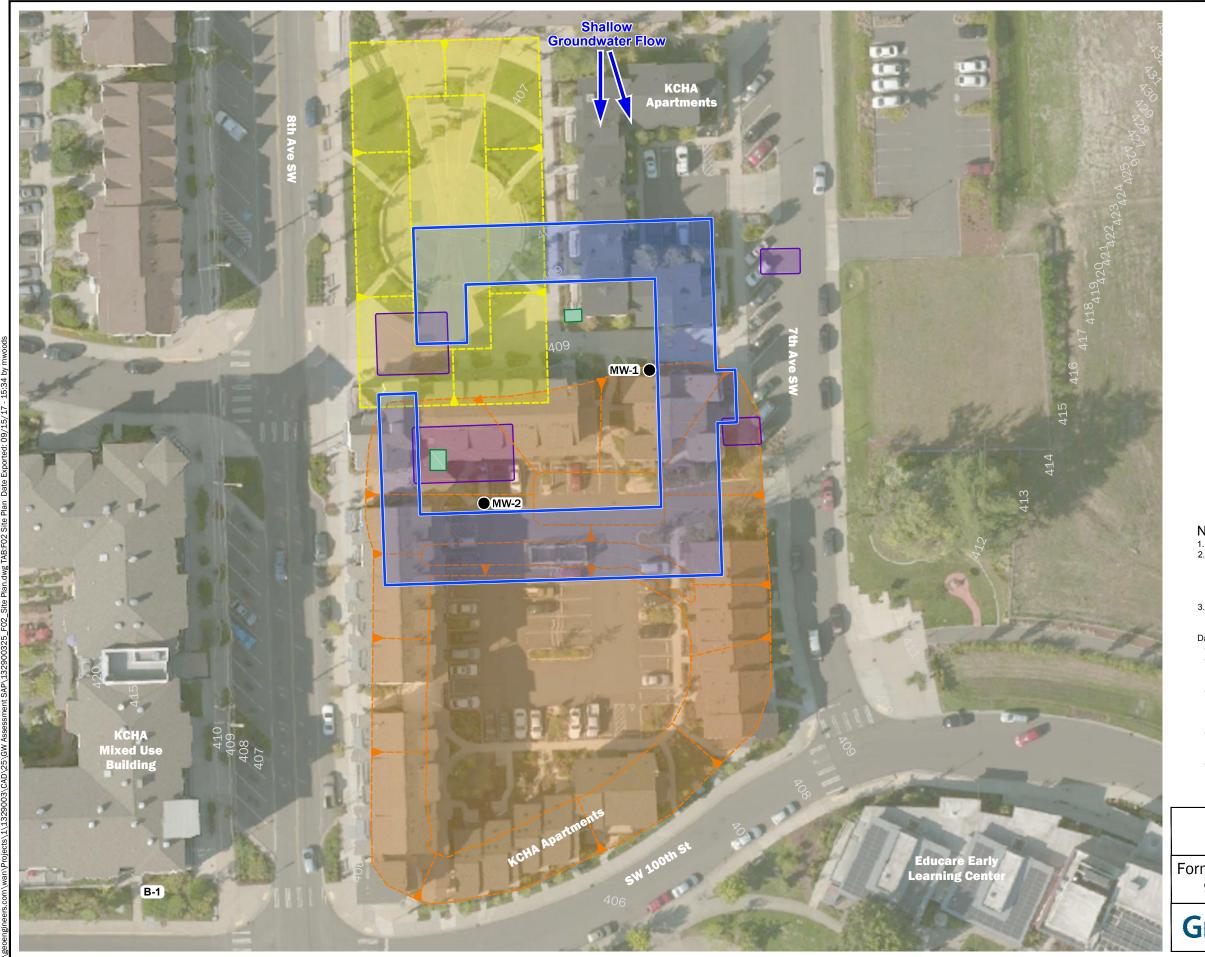
 $^{^3}$ Total xylenes is of the sum of m,p- and o- xylene. The higher detection limit is shown when xylenes were not detected.

⁴Acetone is a common laboratory solvent.

 $^{^5}$ Cleanup level for naphthalenes is the sum of naphthalene, 1-methylnaphthalene and 2-methylnaphthalene.

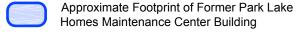
⁶Only analytes detected in one or more samples were listed. See Laboratory reports in Appendex B for complete list of method analytes and detection limits.

⁷Total carcinogenic polycyclic aromatic hydrocarbons (cPAHs) calculated using the toxicity equivalency (TEQ) methodology defined in WAC 173-340-708 (e)(iii)(A)(II). Where analytes were not detected, one half the detected limit was used for the calculation, except when all analytes were non-detect.



Legend

MW-1 Monitoring Well

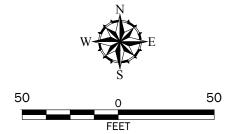


Approximate Location of Removed UST

Approximate Location of 2005 Remedial Excavations - MTCA Cleanup at Maintenance Center

Approximate Boundary of Backfilled CV4 Stormwater Pond Excavation

Excavation for Water Quality Vault



Notes:

- The locations of all features shown are approximate.
- 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. Proposed Monitoring Well Locations may be modified slightly based on surface conditions observed in the field.

- Data Source:

 Aerial from Microsoft Bing dated September 2013

 Stormwater Vault and Excavation from "Lake Garrett Sub-Basin Water Quality Vault Plan and Section", Sheet DF-3 by Goldsmith & Associates dated 10/25/2004
- dated 10/25/2004
 Location of 2005 Remedial Excavations from "Final Cleanup Report, KCHA Maintenance Facility, Former Park Lake Homes, 9900 8th Avenue SW, Seattle, Washington," dated September 7, 2005 for King County Housing Authority, GEI File 1329-003-04
 CV4 Stormwater Pond Excavation Boundary and 2003/2004 Borings from "Geotechnical Engineering Services Greenbridge Hope VI Redevelopment Update Report" by GeoEngineers dated 1/12/2007
 Waterline Connection Location from "BDR Greenbridge Park Water Plan and Profile" Sheat WA 02 by ESM Consulting Engineers dated
- Plan and Profile", Sheet WA-02 by ESM Consulting Engineers dated

Site Plan

Former Park Lake Homes Maintenance Center 9800 8th Ave SW. Seattle, Washington



Figure 1

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Brian Anderson 03-05-18

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206-763-8084

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111	X	NA1270 PETROLEUM OIL, MIXTURE, CLASS 3, PG 1				
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177		WASTE WATER NON REG BY DOT	900	Gollons		
111		MARINE VESSEL SEWAGE NON REG BY DOT				
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Job Description / Site address

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Rate	Net 30
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Subtotal Sales Tax (10.1%) Payments/Credits	\$895.00 \$90.40 \$0.00
 le	initial Subtotal Sales Tax (10.1%)

STRAIGHT BILL OF LADING ORIGINAL — NOT NEGOTIABLE

Shipper No.

Carrier No. <u>28122</u>

MAP

RINE VACUUM SERVICE INC.		Date 3/6/2018
(Name of carrier)	(SCAC)	

·O·		COD" must appear before consignee's no		Shipper GEC	ENGIN				<u> </u>		
Consignee	MARIN	NE VACUUM SE	Street 9800	87HAVE	SW	· , .		<u> </u>			
Street 15	16 SC	OUTH GRAHAM	STREET		City Seattle State WA Zip Code						
city SEAT		State WA	CHEMTEL 1-800-255-3924								
Route	and the second							Vehicle Number	20	24	
No. of Units & Container Type	НМ	UN or NA Number, P	BASIC DESCI		s, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	(Subj	GHT ject to ection)	RATE	CHARGES (For Carrier Use Only)	
1 TT	X	(DOT SPEC TANK UN1863 FUEL, A	REQUIRED) WIATION, TU	RBIN ENGI	NE, CLASS 3, PG	t		9		/- *-	
1 TT	X	(DOT SPECTAN UN1203 GAS	K REQUIRED))				w _E		4	
2. 2. 1 ΤΤ	X	(DOT SPEC TAN UN1203 GAS	IK REQUIRED))			*	 	-		
gr 1 ΠΤ	X	NA1993 DIESE						/- z	1528.3	-7	
1 17	×	NA1993 DIES	EL. CLASS	3. PG III				10.38			
1 17	X	NA1270 PETR	NA1270 PETROLEUM OIL, CLASS 3, PG I								
1 77	X	NA1270 PETR	NA1270 PETROLEUM OIL, MIXTURE. CLASS 3. PG								
1 TT		OILY WASTE WATER NON REG BY DOT									
1 77		CWASTE WATER NON REG BY DOT 3 > 900 GAL									
1 177					REG BY DOT				-		
111		STREET WAS NON REG BY		PIPE CLE	ANING				0-36-54 0-36-54		
10 °V				and the second s						4	
12								3 0 0			
5 * 3				·							
			NO da		REMIT C.O.D. TO:						
agreed or declared value be not exceeding	e of the prope	endent on value, shippers are require declared value of the property, as foll only is hereby specifically stated by the per port of the carrier's liab	shipper to described at name and	clare that the contents of the are fully and accur bove by the proper ship are classified, packs I labelled/placarded, an	pping COD	Amt: \$		C.O.D. PREPA COLLE	ND 🗆	\$.	
a release or a value of the carrier's liability or of	declaration by	the shipper and the shipper does not the carrier's liability shall be limited to	the extent transport	ects in proper condition according to appli I and national government	Subject to Section 7 of the	conditions, if this shipment is to be on the consigner, the consigner	or snall sign	ING CHAR	-	S.	
(3) Commodities requir	ing special or d packaged as no. Freight Bill	additional care or attention in handling to ensure safe transportation. See Sec s and Statements of Charges and Sec	or stowing regulations.		The carrier shall not me freight and all other lawful challure	ake dolivory of this shipment with harges. (Signature of Consignor)		nght is ch	ecked	Check box if charges are to be collect	
th te (ti	e property des ints of package he word carrie ossession of th	ject to the classifications and tarifs in effectibed above in apparent good order, exist unknown), marked, consigned, and dit being understood throughout this control perceptly under the contract) agrees to coute, otherwise to deliver to another care of each carrier of all or any of, said propers	capt as noted (contents and estined as indicated above act as meaning any person arry to its usual place of del	which said carrier n or corporation in livery at said desti-	sification on the date	y certifies that he is familiar wit	th all the lad	ing terms and	conditions in	n the	
SHIPPER	60	ED EXCHI	BRS	A	CARRIER	Marine Va	Qui	$m \leq$	non	<u>22</u>	
PER	4	om 4	lid	lu	PER	Sq	4	.~		<u> </u>	
			3/6/	12018	DATE	3/6/	207	18	u lob = t	lation -	
Permanent post-	office addr	ess of shipper.	N BECYCLED PAPER CATE	WILL WITH	STYLE F375-4	© 2012 LABEL MASTER	(800) 621	1-5808 ww	v.iaoeimas	ster.com	

_ of _



MARINE VACUUM SERVICE, INC.

P. O. BOX 24263 SEATTLE, WA 98124

Email:

ACCOUNTING@MARINEVACUUM.COM

Phone # 206-762-0240 (main) 206-745-3667

Fax #

206-763-8084

Bill To

GEO ENGINEERS 8410 154TH AVE NE REDMOND, WA 98052 Brian anderson

INVOICE

Terms

Date	Invoice #
3/14/2018	63371

Job Description / Site address

P.O. No.

PUMP WELLS AS DIRECTED 9800 8TH AVE SW **SEATTLE** BRIAN 425-750-1326

		Promoteria		
ā o			ja	Net 30
Quantity	U/M	Description	Rate	Amount
4 900	HR GAL	3/6/2018****** PUMP AS DIRECTED VAC TRUCK & DRIVER STRAIGHT TIME WASTE WATER	125.00 0.30	0.00 500.00 270.00
			·	
				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			* . *	1, 30 2 unit
	2		, 43. & 3	
		MEM		
	LAR 1	2018	, , , , , , , , , , , , , , , , , , ,	i= 30
	MAK	N. Committee of the com	1 3 4	
<u> </u>	Va.			
		Please remit payment for this invoice by the Due Date. An initial \$25.00 late fee (on each invoice) and a finance charge of 1.5%	Subtotal	\$770.00
Due Date	4/13/2018	monthly or 18% annually will be assessed for all late payments.	Sales Tax (10.1%) Payments/Credits	\$77.77
		Customer assumes all late charges and reasonable cost of attorney fees in event of collection.		
	J		Balance Due	\$847.77

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper No.

MARINE VACUUM SERVICE INC. _ of _ Page _ (SCAC) (Name of carrier) GEO ENGINEERS On Collection Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1. FROM: MARINE VACUUM SERVICE INC 9800 8TH AFE SW Consignee 1516 SOUTH GRAHAM STREET Street State 12/19 Zip Code City CHEMTEL 1-800-255-3924 CONTRACT MIS3627926 SEATTLE WA 98108 Zip Code State City 24 hr. Emergency Contact Tel. No. . Vehicle 204 Number Route CHARGES TOTAL QUANTITY WEIGHT BASIC DESCRIPTION HM No. of Units RATE (Weight, Volume, (Subject to (For Carrier UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group Use Only) & Container Type Correction) Gallons, etc.) (DOT SPEC TANK REQUIRED) UN1863 FUEL, AVIATION, TURBIN ENGINE, CLASS 3, PGI 177 X (DOT SPEC TANK REQUIRED) X 1 TT UN1203 GASOLINE, MIXTURE CLASS 3, PG II (DOT SPEC TANK REQUIRED) X 1 77 UN1203 GASOLINE, CLASS 3, PG II NA1993 DIESEL MIXTURE, CLASS 3. PG III 1 TT X 1 11 X NA 1993 DIESEL, CLASS 3, PG III NA1270 PETROLEUM OIL. CLASS 3, PG I 1 17 X X NA1270 PETROLEUM OIL, MIXTURE, CLASS 3, PG 1 TT OILY WASTE WATER NON REG BY DOT 1 TT 3000 WASTE WATER NON REG BY DOT 1 11 MARINE VESSEL SEWAGE NON REG BY DOT 1 TT STREET WASTE STORM PIPE CLEANING 1 TT NON REG BY DOT PLACARDS TENDERED: YES - NO # REMIT C.O.D. TO: Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding.

(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.

(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such anticles. I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. C.O.D. FEE: PREPAID D COLLECT D COD Amt: S TOTAL Subject to Section 7 of the conditions, if this shipmont is to be delivered to the nsignee without recourse on the consignor, the consigner shar sign the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. FREIGHT CHARGES Signature (Signature of Consignor) RECEIVED, subject to the classifications and tartifs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the centract) agrees to carry to its usual place of delivery at said destination, it is route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to deslination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing clas-sification on the date of shipment.

Shipper hereby certifies that he is tamistar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and this assigns. CARRIER ENGINEER S SHIPPER PER PER

DATE

Callan 03-220-18

MARINE VACUUM SERVICE, INC.

P.O. BOX 24263 SEATTLE, WA 98124

Email:

ACCOUNTING@MARINEVACUUM.COM

Phone # 206-762-0240 (main) 206-745-3667

Fax#

206-763-8084

Bill To

GEO ENGINEERS 8410 154TH AVE NE REDMOND, WA 98052 INVOICE

Date	Invoice #
3/26/2018	63519

Job Description / Site address

PUMP MONITORING WELLS AS DIRECTED 9800 8TH AVE SW SEATTLE CALLAN-406-498-2129

			P.O. No.	Terms
				Net 30
Quantity	U/M	Description	Rate	Amount
1,000	HR GAL	3/20/2018***** PUMP AS DIRECTED VAC TRUCK & DRIVER STRAIGHT TIME WASTE WATER	125.00 0.30	0.00 500.00 300.00
Due Date	4/25/2018	Please remit payment for this invoice by the Due Date. An initial \$25.00 late fee (on each invoice) and a finance charge of 1.5% monthly or 18% annually will be assessed for all late payments. Customer assumes all late charges and reasonable cost of attorney fees in event of collection.	Subtotal Sales Tax (10.1%) Payments/Credits	\$800.00 \$80.80 \$0.00
			Balance Due	\$880.80

STRAIGHT BILL OF LADING ORIGINAL — NOT NEGOTIABLE

Shipper No.	12421

Shipper No	15427
Carrier No.	

	1		11
Page		of.	4

MARINE VACUUM SERVICE INC.

Date 12-14-18

(Name of carrier)

(SCAC)

FROM: Shipper Service INC. FROM: Shipper Service INC.												
							Street 9800 874 ALLE SW					
1516 SOUTH GRAHAM STREET							- City Seattle State WTA_Zip Code					
City SEAT	y SEATTLE State WA Zip Code 98108 CHEMTEL 1-800-255-3924 24 hr. Emergency Contact Tel. No. CONTRACT MIS3627926											
Route										Vehicle Number	13	2G
No. of Units & Container Type	HM		or NA Number, F	Proper S	= 8.95 81 100		Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIG (Subje	oct to	RATE	CHARGES (For Carrier Use Only)
1 77	X	(DOT SPEC TANK REQUIRED) UN1863 FUEL, AVIATION, TURBIN ENGINE, CLASS 3, PG (
1 77	X	(DOT SPEC TANK REQUIRED) UN1203 GASOLINE, MIXTURE CLASS 3, PG II										
1 TT	X	(DC	OT SPEC TAN 1203 GAS	IK RE	QUIRED)							
1 17	х	NA1	993 DIESE	EL M	IXTURE	, CLASS 3	. PG III					
1 🎞	x	NA1	993 DIESE	EL, C	LASS 3,	, PG III						
1 77	X	NA1	270 PETR	OLE	UM OIL,	CLASS 3,	PG I					
1 🎞	X	NA1270 PETROLEUM OIL, MIXTURE, CLASS 3, PG										
ıπ		OILY WASTE WATER NON REG BY DOT										
1 77	o ene la	WAS	WASTE WATER NON REG BY DOT QOO GOALLOWS									
1 17		MAF	RINE VES	SEL	SEWAG	E NON R	EG BY DOT	1				
1 77			EET WAS			IPE CLEAR	VING					
				1								
Note — (1) Where the rate specifically in writing the ag	e is depende greed or deci	int on value, ared value of	shippers are required the property, as follows:	to state	I hereby declare t	that the contents of this	REMIT C.O.D. TO: ADDRESS					
agreed or declared value of be not exceeding. (2) Where the applicable tant a release or a value decla	If provisions sparation by the	per pecify a limitation shipper and	ion of the carrier's liabilit the shipper does not	ty absent	described above name and are marked and labe	by the proper shipping classified, packaged, illed/placarded, and are in proper condition for	COD	Amt: \$		C.O.D. FEE: PREPAID COLLECT \$		
the carrier's liability or declar provided by such provisions. (3) Commodities requiring spans the so marked and pack	See NMFC It pecial or addi	om 172. tional care or a	attention in handling or	stowing	transport accor	rding to applicable national governmental	Subject to Section 7 of the co consignee without recourse or following statement: The carrier shall not make	nditions, if this shipment is to be on the consignor, the consignor delivery of this shipment within	shall sign the	TOTAL	ALL AND DESCRIPTION OF THE PARTY OF THE PART	250
must be so marked and packaged as to ensure safe transportation. See Section 2(e) of							EPAID Chec	k box if charges are to be collect				
RECEIVED, subject to the classifications and tants in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as brinked and the said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, it is mutually agreed as to each the carrier of all or any said property, very all the subject to all the bill of ading terms and conditions in the governing classification on the date as highment. Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for hisself and his assigns.												
SHIPPER (-	JEC) f	MACIN	20 r	8		CARRIER	whe				
PER Y /S	rices	Cy	beler	se	1		PER	Di				_ 1
			12. 1	4	- / 2c	NS	DATE	12-	14.	2	218	
Permanent post-office	e address	of shipper.	PRINTED ON REUSING SOV	CYCLED PAP	ER PAINTED MIT	K.	STYLE F375-4 @ 20	012 LABELMASTER® (8	000) 621-580	8 www.lab	elmaster.c	om

MARINE VACUUM SERVICE, INC.

P. O. BOX 24263 SEATTLE, WA 98124

Email:

ACCOUNTING@MARINEVACUUM.COM

Phone # 206-762-0240 (main) 206-745-3667

Fax #

206-763-8084

Bill To

GEO ENGINEERS 8410 154TH AVE NE REDMOND, WA 98052

INVOICE

Terms

Date	Invoice #
12/20/2018	66045

Job Description / Site address

P.O. No.

PUMP GROUND WATER FROM WELLS AS DIRECTED 9800 8TH AVE SW SEATTLE

KATY-206-419-4290

				Net 30
Quantity	U/M	Description	Rate	Amount
		12/14/2018****** PUMP AS DIRECTED		0.0
6.5 900	HR GAL	VAC TRUCK & DRIVER STRAIGHT TIME WASTE WATER	125.00 0.30	812.5 270.0
				ı
	F	RECEIVED 20 DEC 2018		
		Please remit payment for this invoice by the Due Date. An initial \$25.00 late fee (on each invoice) and a finance charge of 1.5%	Subtotal	\$1,082.5
Due Date	1/19/2019	monthly or 18% annually will be assessed for all late payments.	Sales Tax (10.1%)	\$109.3
		Customer assumes all late charges and reasonable cost of attorney fees in event of collection.	Payments/Credits	\$0.0
			Balance Due	\$1,191.83