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425.861.6000

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 µg/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 apprised of future plans. KCHA intends to remain in the VCP. Please contact us if you have additional questions.

Sincerely,
GeoEngineers, Inc.

Dana Carlisle for

Katy Atakturk
Geologist

KRA:DLC:tlh

cc: John Eliason
King County Housing Authority

Attachments:

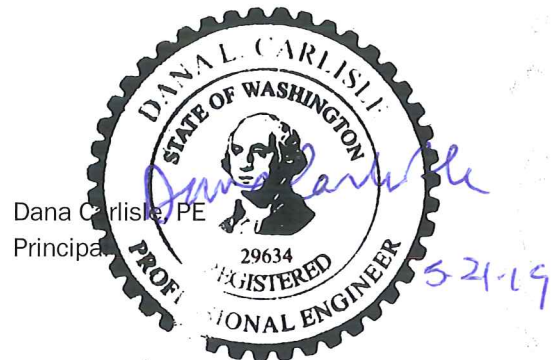
Revised Table 1 Monitoring Well Depth to Groundwater and Groundwater Elevation Data

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.



Dana Carlisle, PE
Principal

Revised Table 1

Monitoring Well Depth to Groundwater and Groundwater Elevation Data
King County Housing Authority - Former Park Lake Homes Maintenance Shop Site
9800 8th Avenue SW, Seattle, Washington

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

Notes:

¹ Monitoring well locations are shown on Figure 2.

² NAVD 1988 datum per 5/15/19 survey by Goldsmith Engineering.

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.

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

Sample ID ¹		MW-1-170828	MW-1-171201	MW-1-180430	MW-1-180718	MW-2-170828	MW-2-171201	MW-2-180430	MW-2-180718	MTCA Method A or B Cleanup Level
Sample Date	Units	08/28/17	12/01/17	04/30/18	07/18/18	08/28/17	12/01/17	04/30/18	07/18/18	
Petroleum Hydrocarbons by NWTPH-G or NWTPH-Dx										
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 EPA 200.8										
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 8260 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-Isopropyltoluene	µg/L	<0.20	<0.20	<0.20	<0.20	4.7	5.7	6.8	7.8	NE
Polychlorinated Biphenyls (PCBs) by EPA 8082A										
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		MW-1-170828	MW-1-171201	MW-1-180430	MW-1-180718	MW-2-170828	MW-2-171201	MW-2-180430	MW-2-180718	MTCA Method A or B Cleanup Level
Sample Date	Units	08/28/17	12/01/17	04/30/18	07/18/18	08/28/17	12/01/17	04/30/18	07/18/18	
Polycyclic Aromatic Hydrocarbons (PAHs) by EPA 8270D/SIM ⁶										
Naphthalene	µg/L	<0.0094	<0.0047	<0.095	<0.096	0.46	0.60	0.44	0.51	160 ⁵
1-Methylnaphthalene	µg/L	<0.094	<0.0047	<0.095	<0.096	0.30	0.37	0.30	0.35	
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:

- ¹Monitoring well locations are shown on Figure 2.
- ²When benzene is present the gasoline range cleanup level is 800 µg/L. When benzene is not present the range cleanup level is 1000 µg/L.
- ³Total 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.
- ⁵Cleanup 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 Appendix 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.

EPA = U.S. Environmental Protection Agency

mg/L = milligrams per liter

µg/L = micrograms per liter

ND = Not Detected

"-" = Not tested

NA = Not Applicable






Bold indicates analyte was detected.

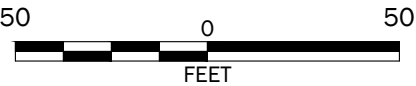
Shading indicates analyte was detected at a concentration greater than the MTCA Cleanup Level.

\\geoengineers.com\wan\Projects\1\1329003\CAD\25\GW Assessment SAP\132900325_F02_Site Plan.dwg TAB:F02 Site Plan Date Exported: 09/15/17 - 15:34 by mwwoods



Legend

- MW-1 ● Monitoring Well
-  Approximate Footprint of Former Park Lake Homes Maintenance Center Building
-  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:**
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. 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
 - 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", Sheet WA-02 by ESM Consulting Engineers dated 4/26/2016

Site Plan

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



Figure 1

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. 13700
Carrier No. 101
Date 2-6-18

Page 1 of 1
Marine Vacuum Service Inc.
(Name of carrier) (SCAC)

TO: **Marine Vacuum Service Inc.**
Consignee
Street 1316 South Graham Street
City Seattle State WA Zip Code 98108
Ca. Seattle State WA Zip Code 98108
24 Hr. Emergency Contact Tel. No. 206-465-3234
Contact MIS0627928

FROM: Geo Engineers
Shipper
Street 9149 5th Ave SW
City Seattle State WA Zip Code 98148
Contact MIS0627928

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	(DOT Spec Tank Required) UN1883 Fuel, Aviation, Turbin Engine, Class 3, PG I				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Mixture Class 3, PG II				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Class 3, PG II				
1 TT	X	NA1993 Diesel Mixture, Class 3, PG III				
1 TT	X	NA1993 Diesel, Class 3, PG III				
1 TT	X	NA1270 Petroleum Oil, Class 3, PG I				
1 TT	X	NA1270 Petroleum Oil, Mixture, Class 3, PG I				
1 TT		Oil Waste Water Non Reg by DOT				
1 TT		Waste Water Non Reg by DOT	900	6-15		
1 TT		Marine Vessel Sewage Non Reg by DOT				
1 TT		Street Waste Storm Pipe Cleaning Non Reg by DOT				

PLACARDS TENDERED: YES ☐ NO ☒

PREMIT C.O.D. TO: ADDRESS

COD Amt: \$

C.O.D. FEE: PREPAID ☐ COLLECT ☐ \$

TOTAL CHARGES \$

FREIGHT CHARGES: FREIGHT (WEIGHT) Check box if charges except when box is checked ☐

Signature

Signature of Consignor

SHIPPER Geo Engineers
PER 206-465-3234
DATE 2-6-18

CARRIER Marine Vacuum Service Inc.
PER 206-465-3234
DATE 2-6-18

Permanent post office address of shipper

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Brian Anderson
03-05-18**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

INVOICE

Date	Invoice #
2/14/2018	63126

Bill To
GEO ENGINEERS 8410 154TH AVE NE REDMOND, WA 98052

Job Description / Site address
PUMP MONITORING WELLS AND PUMP DRUMS OF WASTE WATER 9800 8TH AVE SW SEATTLE-BRIAN

P.O. No.	Terms
425-750-1326	Net 30

Quantity	U/M	Description	Rate	Amount
		2/6/2018***** PUMP AS DIRECTED		0.00
6	HR	VAC TRUCK & DRIVER STRAIGHT TIME	125.00	750.00
900	GAL	WASTE WATER	0.30	270.00
1	EA	MATERIALS	63.02	63.02
RECEIVED FEB 14 2018 BY: [Signature]				
Due Date	3/16/2018	<i>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.</i>		
			Subtotal	\$1,083.02
			Sales Tax (10.1%)	\$109.39
			Payments/Credits	\$0.00
			Balance Due	\$1,192.41

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. **U1340**

Carrier No. _____

Date **2-20-18**

Page **1** of **4**

MARINE VACUUM SERVICE INC.

(Name of carrier)

(SCAC)

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO: **MARINE VACUUM SERVICE INC.**

Street **1516 SOUTH GRAHAM STREET**

City **SEATTLE** State **WA** Zip Code **98108**

FROM: Shipper **GEO Engineers**
Street **9800 8TH AVE SW**
City **Seattle** State **WA** Zip Code _____

24 hr. Emergency Contact Tel. No. **CHEMTEL 1-800-255-3924**
CONTRACT MIS3627926

Route

Vehicle Number **106**

No. of Units & Container Type	HM	BASIC DESCRIPTION UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	(DOT SPEC TANK REQUIRED) UN1863 FUEL, AVIATION, TURBIN ENGINE, CLASS 3, PG I				
1 TT	X	(DOT SPEC TANK REQUIRED) UN1203 GASOLINE, MIXTURE CLASS 3, PG II				
1 TT	X	(DOT SPEC TANK REQUIRED) UN1203 GASOLINE, CLASS 3, PG II				
1 TT	X	NA1993 DIESEL MIXTURE, CLASS 3, PG III				
1 TT	X	NA1993 DIESEL, CLASS 3, PG III				
1 TT	X	NA1270 PETROLEUM OIL, CLASS 3, PG I				
1 TT	X	NA1270 PETROLEUM OIL, MIXTURE, CLASS 3, PG I				
1 TT		OILY WASTE WATER NON REG BY DOT				
1 TT		WASTE WATER NON REG BY DOT	900	Gallons		
1 TT		MARINE VESSEL SEWAGE NON REG BY DOT				
1 TT		STREET WASTE STORM PIPE CLEANING NON REG BY DOT				

PLACARDS TENDERED: YES ☐ NO ☒

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 _____ per _____.
(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 NMF 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 articles.

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.

Signature _____

REMIT C.O.D. TO: ADDRESS

COD

Amt: \$

C.O.D. FEE: PREPAID ☐ COLLECT ☐ \$

Subject to Section 7 of the conditions, if this shipment is to be delivered to 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.

TOTAL CHARGES \$

FREIGHT CHARGES
FREIGHT PREPAID ☐ Check box if charges are to be collect ☐

RECEIVED, subject to the classifications and tariffs 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 delivered 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 contract) agrees to carry to its usual place of delivery at said destination, if on its 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 destination 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 classification on the date of shipment.

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 himself and his assigns.

SHIPPER **GEO Engineers**

PER **Brian Corder**

2-20-2018

CARRIER **Mar. Use**

PER **[Signature]**

DATE **2-20-2018**

Permanent post-office address of shipper.



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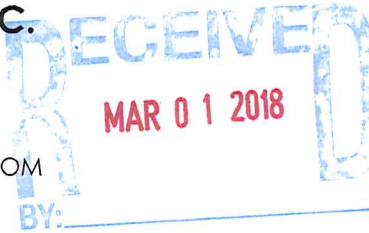
Brian Anderson

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

**INVOICE**

Date	Invoice #
2/28/2018	63262

Bill To
GEO ENGINEERS 8410 154TH AVE NE REDMOND, WA 98052

Job Description / Site address
PUMP WELLS AS DIRECTED 9800 8TH AVE SW SEATTLE BRIAN 425-750-1326

P.O. No.	Terms
	Net 30

Quantity	U/M	Description	Rate	Amount
5	HR	2/20/2018***** PUMP AS DIRECTED		0.00
900	GAL	VAC TRUCK & DRIVER STRAIGHT TIME	125.00	625.00
		WASTE WATER	0.30	270.00
Due Date		3/30/2018	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	\$895.00
			Sales Tax (10.1%)	\$90.40
			Payments/Credits	\$0.00
			Balance Due	\$985.40

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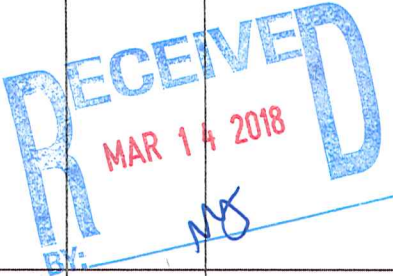
Brian Anderson
03-14-18**MARINE VACUUM SERVICE, INC.**P. O. BOX 24263
SEATTLE, WA 98124Email: ACCOUNTING@MARINEVACUUM.COM
Phone # 206-762-0240 (main) 206-745-3667
Fax # 206-763-8084**INVOICE**

Date	Invoice #
3/14/2018	63371

Bill To
GEO ENGINEERS 8410 154TH AVE NE REDMOND, WA 98052

Job Description / Site address
PUMP WELLS AS DIRECTED 9800 8TH AVE SW SEATTLE BRIAN 425-750-1326

P.O. No.	Terms
	Net 30

Quantity	U/M	Description	Rate	Amount
4	HR	3/6/2018***** PUMP AS DIRECTED		0.00
900	GAL	VAC TRUCK & DRIVER STRAIGHT TIME	125.00	500.00
		WASTE WATER	0.30	270.00
<div style="text-align: center;">  </div>				
Due Date	4/13/2018	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	\$770.00
			Sales Tax (10.1%)	\$77.77
			Payments/Credits	\$0.00
			Balance Due	\$847.77

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. **14809**
 Carrier No. **28144**
 Date **3/20/18**

MARINE VACUUM SERVICE INC.

Page _____ of _____

(Name of carrier)

(SCAC)

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO:
 Consignee **MARINE VACUUM SERVICE INC.**
 Street **1516 SOUTH GRAHAM STREET**
 City **SEATTLE** State **WA** Zip Code **98108**

FROM:
 Shipper **GEO ENGINEERS**
 Street **9800 8TH AVE SW**
 City **Seattle** State **WA** Zip Code _____
 24 hr. Emergency Contact Tel. No. **CHEMTEL 1-800-255-3924**
CONTRACT MIS3627926

Route

Vehicle Number **204**

No. of Units & Container Type	HM	BASIC DESCRIPTION UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	(DOT SPEC TANK REQUIRED) UN1863 FUEL, AVIATION, TURBIN ENGINE, CLASS 3, PG I				
1 TT	X	(DOT SPEC TANK REQUIRED) UN1203 GASOLINE, MIXTURE CLASS 3, PG II				
1 TT	X	(DOT SPEC TANK REQUIRED) UN1203 GASOLINE, CLASS 3, PG II				
1 TT	X	NA1993 DIESEL MIXTURE, CLASS 3, PG III				
1 TT	X	NA1993 DIESEL, CLASS 3, PG III				
1 TT	X	NA1270 PETROLEUM OIL, CLASS 3, PG I				
1 TT	X	NA1270 PETROLEUM OIL, MIXTURE, CLASS 3, PG I				
1 TT		OILY WASTE WATER NON REG BY DOT				
1 TT		WASTE WATER NON REG BY DOT	3000	GAL		
1 TT		MARINE VESSEL SEWAGE NON REG BY DOT				
1 TT		STREET WASTE STORM PIPE CLEANING NON REG BY DOT				

PLACARDS TENDERED: YES ☐ NO ☒

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 _____ per _____."
 (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 articles.

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 labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature _____

REMIT
C.O.D. TO:
ADDRESS

COD

Amt: \$

Subject to Section 7 of the conditions, if this shipment is to be delivered to 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.

(Signature of Consignor)

C.O.D. FEE:
PREPAID ☐
COLLECT ☐ \$

TOTAL CHARGES \$

FREIGHT CHARGES
FREIGHT PREPAID ☐ Check box if charges are to be collected
except when box is checked ☐ are to be collected

RECEIVED, subject to the classifications and tariffs 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 contract) agrees to carry to its usual place of delivery at said destination, it on its 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 des-

ination 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 classification on the date of shipment.

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 himself and his assigns.

SHIPPER **GEO ENGINEERS**

CARRIER **MARINE VACUUM SERVICE**

PER **B. Cleveland**
3-20-18

PER **SAK**
 DATE **3-20-2018**

1

Permanent post-office address of shipper.



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MARINE VACUUM SERVICE, INC.P. O. BOX 24263
SEATTLE, WA 98124Email: ACCOUNTING@MARINEVACUUM.COM
Phone # 206-762-0240 (main) 206-745-3667
Fax # 206-763-8084**INVOICE**

Date	Invoice #
3/26/2018	63519

Bill To
GEO ENGINEERS 8410 154TH AVE NE REDMOND, WA 98052

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
4	HR	3/20/2018***** PUMP AS DIRECTED		0.00
1,000	GAL	VAC TRUCK & DRIVER STRAIGHT TIME	125.00	500.00
		WASTE WATER	0.30	300.00
			<div>RECEIVED MAR 26 2018 BY: </div>	
Due Date	4/25/2018	<i>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.</i>		
			Subtotal	\$800.00
			Sales Tax (10.1%)	\$80.80
			Payments/Credits	\$0.00
			Balance Due	\$880.80

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12-20-18

MARINE VACUUM SERVICE, INC.**INVOICE**

P. O. BOX 24263
SEATTLE, WA 98124

Email: ACCOUNTING@MARINEVACUUM.COM
Phone # 206-762-0240 (main) 206-745-3667
Fax # 206-763-8084

Date	Invoice #
12/20/2018	66045

Bill To
GEO ENGINEERS 8410 154TH AVE NE REDMOND, WA 98052

Job Description / Site address
PUMP GROUND WATER FROM WELLS AS DIRECTED 9800 8TH AVE SW SEATTLE KATY-206-419-4290

P.O. No.	Terms
	Net 30

Quantity	U/M	Description	Rate	Amount
		12/14/2018***** PUMP AS DIRECTED		0.00
6.5	HR	VAC TRUCK & DRIVER STRAIGHT TIME	125.00	812.50
900	GAL	WASTE WATER	0.30	270.00
<div style="text-align: center;"> RECEIVED 20 DEC 2018 <i>MT</i> </div>				
Due Date	1/19/2019	<i>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.</i>	Subtotal	\$1,082.50
			Sales Tax (10.1%)	\$109.33
			Payments/Credits	\$0.00
			Balance Due	\$1,191.83