
WORK PLAN MEMORANDUM

TO: NYSDEC

FROM: EAR

PROJECT: FORMER FRESH & CLEAN LAUNDRY, NYSDEC SITE# 130111

SUBJECT: Work Plan Task Outline: Soil, Groundwater & Indoor Air Sampling

DATE: 01/28/2025

Work Plan Outline:

1. Soil and groundwater sampling at two (2) locations directly adjacent to two (2) subsurface structures located near the NW corner of the site. Locations will need to be confirmed with drillers regarding distance away from underground structures that may be required.
 - a. Soil and groundwater sampling will be conducted for VOCs via DER TCL 8260 at each boring location at a minimum of:
 - i. One (1) soil sample at each location ~8 ft bgs (confirm depth with MEG upon structure opening)
 - ii. One (1) soil samples at each location at 20 feet below the bottom of structure
 - iii. One (1) Soil samples at waterline at ~90 feet per callout (waterline ~113 ft bgs on 9/17/24 during site walk)
 - iv. Additional samples may be collected if PID readings >50ppm (confirm with DEC during sampling)
 - v. Two (2) Groundwater samples, one (1) just below the determined waterline & one (1) 20' below the waterline
 - b. PID screening for VOCs will be collected continuously during sampling
 - c. Lab Reporting: Include QA/QC samples (field blank, trip blank, MS/MSD & duplicate sample). Standard 30-day TAT, EQUIS EDD upload, and Cat B Deliverables
 - d. All soil cuttings and purged groundwater will be drummed and staged on-site for transport and disposal. EAR will coordinate waste disposal with state permitted waste transporter. Estimated subcontractor costs have been included in the attached cost estimate. Miscellaneous IDW items will be bagged & disposed of via municipal waste.
 - e. Drillers will abandon soil borings via tremie grouting to surface and restore surface to match existing surface conditions.
 - f. During all ground intrusive work/drilling, EAR will provide CAMP services to include two air quality stations, one upwind and one downwind of drilling activities. EAR will conduct continuously monitoring of airborne particulates and volatile organic compounds (VOC) during all outdoor, ground-intrusive activities.

2. GW Monitoring Wells for VOCs via DER TCL 8260 List:
 - a. FCMW-1 (could not locate during site walk), FCMW-2, FCMW-3, and MW-6
 - i. Lab Reporting: Standard 30-day TAT, EQUIS EDD upload, Cat B Deliverables
 - b. Purge water will be containerized in 55-gallon steel drums, sampled for waste characterization and stored on-site for disposal. EAR will coordinate waste disposal with state permitted waste transporter. Estimated subcontractor costs have been included in the attached cost estimate.
3. Indoor air sampling during heating season will be conducted at 4 locations within the site building. At minimum:
 - a. 4 total samples to be collected:
 - i. Four (4) Indoor air: Two (2) locations on bottom level of property building and two (2) locations on 1st level of property building.
 - ii. One (1) Duplicate air sample
 - iii. One (1) Outdoor/Ambient air sample
 - b. Sample duration – 24 hours
 - c. Laboratory summa canisters:
 - i. Laboratory services to be provided by Pace Laboratory
 - ii. Summa canisters will be batch certified
 - iii. TO-15-low level reporting, standard DEC reporting list
 - iv. Lab Reporting: Standard 30-day TAT, Cat B Deliverables
 - d. EAR to complete the NYSDOH questionnaire & chemical inventory.
 - e. Scheduled sampling dates Feb 3rd through 4th
4. EAR will provide Letter report of results
 - a. EAR will provide site location map of estimated sampling locations.
 - i. NYSDEC does not have existing x and y coordinates, therefore, EAR will estimate based on maps provided and on-site measurements.
 - b. EAR will complete DUSR and NYSDEC EQUIS data submittals
5. Additional items noted during site walk for discussion. Estimated repair costs included in attached cost estimate:
 - a. Manhole rehabilitation required:
 - i. FCMW-2 manhole skirt crush internally/no bolt receivers
 - ii. MW-6- bolt receivers- 1 broke, 2nd one broken bolt stuck
 - iii. FCMW-13- bolt receivers broken

Based on the work plan outlined above, the estimated costs are \$60,000. The initial callout received was for \$18,500. With this supplemental request of \$41,500, the proposed new callout budget is \$60,000. An itemized estimate is attached for your review. Please don't hesitate to reach out if you have any questions or need further information.

Sincerely,

A handwritten signature in cursive script that reads "Trisha J. Vicale".

Trisha Vicale

Project Manager

(631) 447-6400 ext. 155

Cc: Jennifer Lawrence, EAR

Former Fresh & Clean Laundry
 22-26 Railroad Ave
 Glen Head, NY 11545
 NYSDEC Site No. 130111

Estimated costs based upon callout SOW/Discussions with DEC

Task 1: Site Walk File Review-Job Prep						
	Billing Type	Units	Unit Price	Multiplier	Qty	Cost
Project Manager (site walk & file review/job prep)	L-14	per hour	\$152.83	0.73	16	\$1,785.05
Vehicles	E-004	per hour	\$20.75	0.73	8	\$121.18
Misc T&M (gloves, ice, bailer, papertowels)	T&M	lot	\$20.00	1.1	1	\$22.00
Low Value Equipment	LVE	per hour	\$1.00	0.73	16	\$11.68
Sub-total						\$1,939.91

Task 2: Soil & Water Disposal						
	Billing Type	Units	Unit Price	Multiplier	Qty	Cost
Transportation	subcontractor	per event	\$575.00	1.1	1	\$632.50
Disposal (soil)-non-hazardous	subcontractor	per drum	\$150.00	1.1	2	\$330.00
Disposal (water)-non-hazardous (purge & decon water)	subcontractor	per drum	\$150.00	1.1	2	\$330.00
Foreman	L-2	per hour	\$100.90	0.73	8	\$589.26
Vehicle	E-003	per hour	\$19.71	0.73	8	\$115.11
Low Value Equipment	LVE	per hour	\$1.00	0.73	8	\$5.84
Sub-total						\$2,002.70

Task 3: Temporary Borings- 2 locations anticipated drill depth of ~135-ft w/soil & gw samples collected (Drillers estimated 4 days)						
	Billing Type	Units	Unit Price	Multiplier	Qty	Cost
Private markouts-subject to bid	subcontractor	lot	\$1,500.00	1.1	1	\$1,650.00
Drilling Services-subject to bid	subcontractor	lot	\$17,000.00	1.1	1	\$18,700.00
Scientist (O&D markouts & drilling)	L-13-S	per hour	\$90.81	0.73	40	\$2,651.65
Scientist - OT	L-13-P	per hour	\$111.94	0.73	4	\$326.86
Vehicle (x2)	E-004	per hour	\$20.75	0.73	80	\$1,211.80
Photoionization Detector for Soil Sampling (ppm)	E-056	per day	\$98.56	0.73	4	\$287.80
Scientist (CAMP)	L-13-S	per hour	\$90.81	0.73	32	\$5,303.30
Scientist (CAMP) (OT)	L-13-P	per hour	\$111.94	0.73	4	\$408.58
CAMP Station with Dust Track & PID (x2 Stations)	E-072-D	Daily	\$108.94	0.73	8	\$3,022.00
Misc T&M (ice, gloves, etc)	T&M	per day	\$50.00	1.1	4	\$220.00
Low Value Equipment	LVE	per hour	\$1.00	0.73	80	\$58.40
Sub-total						\$33,840.39

Task 4: Groundwater Sampling (4 Wells-estimated 1 day (10hrs). Low flow/min. purge)						
	Billing Type	Units	Unit Price	Multiplier	Qty	Cost
Foreman	L-2-S	per hour	\$100.90	0.73	8	\$589.26
Foreman-OT	L-2-P	per hour	\$124.35	0.73	2	\$181.55
Technician	L-11-S	per hour	\$700.16	0.73	8	\$4,088.93
Technician-OT	L-11-P	per hour	\$86.48	0.73	2	\$126.26
Vehicle	E-005	per hour	\$18.68	0.73	10	\$136.36
Water Quality Meter	E-062	per day	\$135.91	0.73	1	\$99.21
Misc T&M	T&M	per day	\$100.00	1.1	1	\$110.00
55-gallon Drums	T&M	each	\$45.00	1.1	2	\$99.00
Low Value Equipment	LVE	per hour	\$1.00	0.73	20	\$14.60
Sub-total						\$5,445.18

Task 5: Soil Vapor Intrusion Sampling (Indoor air 24-hour sampling)						
	Billing Type	Units	Unit Price	Multiplier	Qty	Cost
Project Manager	L-14	per hour	\$152.83	0.73	8	\$892.53
Scientist	L-13-S	per hour	\$90.81	0.73	16	\$1,060.66
Vehicles	E-004	per hour	\$20.75	0.73	16	\$242.36
Photoionization Detector (ppb)	E-057	per day	\$166.00	0.73	2	\$242.36
Misc T&M (gloves, etc)	T&M	lot	\$15.00	1.1	1	\$16.50
Low Value Equipment	LVE	per hour	\$1.00	0.73	24	\$17.52
Sub-total						\$2,471.93

Task 6: Manhole Rehabilitation						
	Billing Type	Units	Unit Price	Multiplier	Qty	Cost
Foreman	L-2-S	per hour	\$100.90	0.73	10	\$736.57
Mechanic	L-7-S	per hour	\$72.03	0.73	10	\$525.82
Vehicle	E-005	per hour	\$18.68	0.73	10	\$136.36
Misc T&M	T&M	per day	\$350.00	1.1	1	\$385.00
Low Value Equipment	LVE	per hour	\$1.00	0.73	20	\$14.60
Sub-total						\$1,798.35

Task 7: Professional Services (job prep, data processing & reporting)						
	Billing Type	Units	Unit Price	Multiplier	Qty	Cost
Project Manager	L-14-S	per hour	\$152.83	0.73	60	\$6,693.95
Scientist (reporting)	L-13-S	per hour	\$90.81	0.73	20	\$1,325.83
Scientist (EQulS EDD Upload & DUSRs)	L-13-S	per hour	\$90.81	0.73	32	\$2,121.32
Foreman (manage field notes/pictures & scheduling)	L-2-S	per hour	\$100.90	0.73	8	\$589.26
Data Processor	L-12-S	per hour	\$62.25	0.73	10	\$454.43
Sub-total						\$11,184.78

Estimated Total:	\$58,683.25
Estimated Total (rounded):	\$60,000.00
Current Authorized Budget:	\$18,500.00
Total Additional Funds Requested:	\$41,500.00
Anticipated new callout budget:	\$60,000.00

Notes:

Subcontractor pricing shown is estimated. Actual pricing will be obtained via bid
 Disposal costs will vary based on characterization as well as the total number of drums generated
 Unit pricing based upon current contract rates
 Cost estimate based on preliminary work tasks discussed. Invoiced costs will be based upon time incurred to completed the work
 Costs for analytical services provided by a NYSDEC standby lab are not included