

RESOLUTION 125- 2013

**RESOLUTION AUTHORIZING ACCEPTANCE OF A PROPOSAL FOR SITE
REMEDATION SERVICES**

WHEREAS, the Borough has been engaged in a process for the removal of an underground fuel storage tank and a remediation of contaminated soils from the property occupied by the Public Works Department; and

WHEREAS, the aforesaid removal and remediation work performed to date has indicated a need to provide unanticipated work and materials to determine the extent of soil contamination and the protection of a structure on the property; and

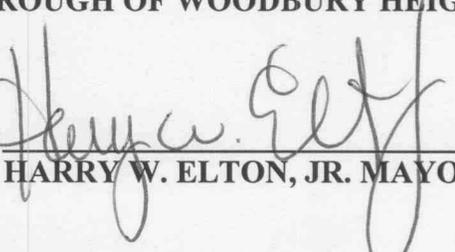
WHEREAS, the Borough has determined that the additional work is necessary toward the objective of full compliance with all environmental laws, rules and regulation; and

WHEREAS, the contractor performing the present work, Aurora Environmental, Inc., has submitted a proposal for the additional work and materials required to proceed with this project under terms and rates provided for under State Contract #A75554, which proposal is deemed acceptable to the Borough;

NOW, THEREFORE, BE IT RESOLVED by the Borough Council of the Borough of Woodbury Heights, with the Mayor concurring, that the proposal submitted by Aurora Environmental, Inc. for the aforesaid additional work and materials required for this project is hereby awarded pursuant to and under State Contract #A75554

BOROUGH OF WOODBURY HEIGHTS

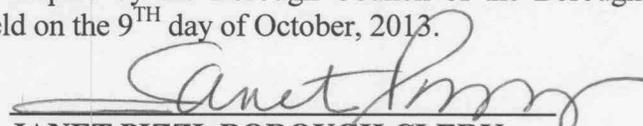
BY:


HARRY W. ELTON, JR. MAYOR

ATTEST:


JANET PIZZI, BOROUGH CLERK

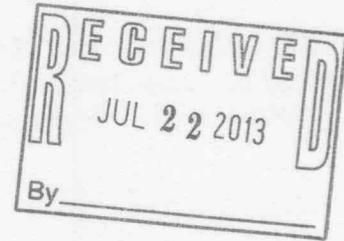
The foregoing Resolution was duly adopted by the Borough Council of the Borough of Woodbury Heights at the Regular Meeting held on the 9TH day of October, 2013.


JANET PIZZI, BOROUGH CLERK

Aurora Environmental, Inc.

1102 Union Avenue
Union Beach, N.J. 07735

Phone 732-888-1188
Fax 732-888-1190
Website: www.auroraenvironmentalinc.com



July 18, 2013

**Borough of Woodbury Heights
500 Elm Avenue
Woodbury Heights, N.J. 08097**

Attention: Janet Pizzi, Business Administrator
Phone: 856-848-2832
Email: janetpz@bwhnj.com
Reference: Project Update UST Removal
REVISED Site Remediation Proposal
Site: DPW Yard
414 Glassboro Road Woodbury Heights, N.J.
NJDEP Case #: 12-12-03-1406-31

Project Update

On June 14, 2013, Aurora had begun the excavation and remediation of contaminated soil as outlined in our proposal dated March 9, 2013. During the excavation process, contaminated soil was identified and sampled. During the process, contamination was identified within 3' of building's foundation. Due to the close proximity of the building's foundation and the additional excavation necessary, we backfilled the excavation due to the additional contamination identified. Based upon our experience and field determination, the plume of contamination may extend to beneath the building's foundation and will require the assistance of Structural Engineer and Design.

Scope of Work

Due to the proposed excavation limits outlined during the tank removal and remediation process, the building in question will require structural support, which will be designed by Licensed Structural Engineer. The underpinning will enable Aurora access to remove all saturated and stained soil up to the building's foundation and potentially beneath the building foundation if necessary. The building's foundation has not been documented in this report; however, for budget purposes Aurora will assume that the property is equipped with conventional footing. After the building has been successfully underpinned, Aurora will then perform the remedial activities outlined.

Based upon the work performed to date, I have calculated that approximately 40 tons of petroleum contaminated soil material will be excavated. Therefore, for budget purposes only, we will assume that the approximately of 40 tons of contaminated soil will be needed to be excavated and removed. Aurora will excavate and stage on site all overburden material to be reutilized in the backfilling process. Aurora anticipates that approximately 40 tons of contaminated soil will be required to be removed and disposed of at a licensed facility.

Once all post-excavation soil samples have been collected and the results are within the NJDEP Clean-up Criteria, Aurora will backfill the excavation with certified clean bank-run. All backfill material will be compacted by remote vibratory roller and will be compacted in 12 inch lifts to avoid settlement.

At this time, it is unknown if groundwater has been impacted or requires an investigation based upon NJDEP requirements. We will provide in our proposal the costs associated with collecting and analyzing groundwater (if necessary).

Aurora Environmental, Inc. will provide on-site a NJDEP Certified Sub-Surface Evaluator to oversee the excavation process and to provide supervision for the collection of post-excavation soil samples. During excavation process, Aurora will field screen all excavated soil with a Photo-ionization Detector, this will help determine the extent of soil contamination that is present on site. If the field screening is favorable, I would then recommend the collection of seven (7) soil samples to be collected, as required the by the NJDEP.

The samples will be analyzed for Extractable Petroleum Hydro-Carbons (EPH) analysis and will have the ability to be analyzed for Contingent results of Naphthalene and 2-Methylnaphthalene only if the levels are above the 1,000ppm threshold. If the soil analyses received are within the NJDEP Cleanup Criteria meeting the residential standard, Aurora will then backfill the excavation with certified clean fill and compact the area to grade

Fees

I have listed a revised REMEDIATION COST ESTIMATE with information available to me at this time. However, if the site conditions change and there is change in quantity, Aurora will only bill for the units removed or supplied. Once we receive the signed agreement, we will begin the preparation of the necessary forms and schedule required field work. Below is an outline of the work to be completed and the associated costs:

Schedule

The proposed work scheduled for all the activities outlined will take approximately 30 to 45 days to complete. The estimated schedule is based upon the delineation, engineering design, permitting, and remediation and reporting. Weather delays and construction delays may be encountered that may result in delays to this proposed schedule.

PRICING

Site Remediation

Site: 414 Glassboro Road Woodbury Heights, N.J.

<u>Item</u>	<u>Quantity</u>	<u>Rate</u>	<u>Total</u>
Mobilization/Demobilization	1	\$150	\$150
Engineer Design for Underpinning	1	\$2,500	\$2,500
Permitting (fee not included)	1	\$150	\$150
Installation of Support Pins (Helical Pins) estimated	6	\$1,750/ea.	\$10,500
Angle Iron (support foundation)	6	\$250/ea	\$1,500
Trackhoe & Operator (excavation & backfilling)	3 day	\$1,400	\$4,200
Sub-Surface Evaluator	2 days	\$680/day	\$1,360
PID (field screening equipment)	2 days	\$125/day	\$250
Soil Sampling (EPH)	7	\$130	\$910
Soil Sampling (Naphthalene, 2-Methylnaphthalene)	2	\$275/per	\$550
Field Technician & Support Equipment	3 days	\$420	\$1,260
Support Vehicle	3 days	\$100/day	\$300
Roll of 6-mil plastic sheeting	1	\$125/roll	\$125
Contaminated Soil Disposal (transportation & disposal)	40 tons	\$65/ton	\$2,600
Additional Backfill to Replace Contaminated Soil	40 tons	\$25/ton	\$1,000
Temporary Well Point (if required)	2	\$950	\$1,900
Groundwater Testing (VO+10, BN+15) if required	2 rounds	\$1,650	\$3,300
Remedial Investigation Report	Lump Sum		\$1,500
Total Cost Estimate			\$33,995

Items not covered:

1. Permit fees (if applicable)
2. Additional Structural Support of Building (if necessary)
3. Groundwater Sampling and/or Disposal
4. Disposal of Any Material Not Outlined
5. Monitoring Wells
6. Additional Items Listed
7. Restoration

UNIT RATES

Labor

LSRP	\$160/hour
Project Manger	\$85/hour
Sub-Surface Evaluator	\$85/hour
Field Technicians	\$75/hour
Equipment Operators	\$90/hour
Clerical	\$40/hour

Equipment/Instrumentation/Sampling

Excavator	\$1,400/day
Backhoe	\$1,000/day
Skid Steer	\$750/day
Vacuum Truck	\$120/hour
Support Vehicle & Equipment	\$150/day
Photoionization Detector (PID)	\$125/day
Groundwater Interface Probe	\$75/day
Mini-Rae Gas Meter (LEL, O ₂ , H ₂ S)	\$75/day
Jack Hammer/w/compressor	\$250/day
Vibratory Plate Compactor	\$95/day
Vibratory Roller (remote)	\$550/day
Frac-Tank (6,500 gallon)	\$2,500/month
Dewatering Pumps & Hoses (3")	\$675/day
Plastic Sheeting 6-mil	\$125/roll

Material & Disposal Rates

Disposal of Contaminated Water	\$.90/gallon
Disposal of Solids/Liquids	\$250/drum
Disposal of Contaminated Soil	\$65/ton
¾" Blue Stone	\$40/ton
¾" DGA Stone	\$35/ton
Certified Clean Fill	\$25/ton

Analytical Rates

TCL/TAL + 30 (groundwater)	\$950/per
TCL/TAL + 30 (soil)	\$750/per
BN +15 SIMS (groundwater)	\$320/per
EPH (soil)	\$130/per
Volatile Organics (VOC)	\$195/per
Base Neutrals (Naphthalene, 2-Methylnapthalene)	\$275/per
Lead	\$50/per
Encore Sampling Kit	\$15/per
Waste Classification Analysis	\$950/per
Priority Pollutant Metals	\$225/per
Priority Pollutant + 40	\$1,100/per

CUSTOMER ACCEPTANCE

Site Remediation

BOROUGH OF WOODBURY HEIGHTS

Site: DPW Garage
414 Glassboro Road Woodbury Heights, N.J.

TERMS AND CONDITIONS

NOTES: All labor pricing is based on a portal-to-portal basis, times will be adjusted accordingly. Also, any additional time, disposal or backfill required for this project will be billed at the unit rates supplied. No Shoring, and/or Site Security are part of this proposal.

It should be noted this is on a portal to portal and that time and one half charges apply before 0700 and after 1500 weekdays and Saturday. Double time for Sunday work and triple time for holiday work. This proposal is priced using **NJ PREVAILING WAGE RATES**.

Aurora Environmental, Inc. has based this proposal on the information supplied at the present time. If site conditions change or if there is a change in the scope of work, Aurora will supply written change order request for your approval.

Please note –All additional activities will not be performed without written authorization from the owner or its representatives.

In order to proceed, Aurora will require written authorization and purchase order in the amount outlined in this proposal. All invoices are to be paid within 30 days of invoice date; any deviation in this payment policy will result in a finance charge assessed at the rate of 1.5% monthly.

If after review of this proposal, you should have any questions please feel free to contact me at 732-888-1188.

Respectfully Submitted by,



John DiGregorio
President

JDD/bl

Accepted by _____

Print Name _____

Date _____

Purchase Order # _____