

NC UST REASONABLE and NECESSARY MAXIMUM RATES
NC Department of Environmental Quality - Division of Waste Management
Leaking Petroleum UST Cleanup Funds

All maximum rates in this list are considered to be reasonable costs that may be reimbursed from the NC Leaking Petroleum UST Cleanup Funds. Maximum rates are based on the most extreme conditions under which to perform a specified task. The UST owner, operator, landowner, or attorney-in-fact may only be reimbursed an amount less than or equal to the maximum rate for the task. If an amount less than the maximum rate was actually incurred, only that amount may be reimbursed.

PRE-ASSESSMENT ACTIVITIES		Max. Rate	Unit
1.010	Project Review	\$500.00	Site
1.020	Site recon. & receptor survey	\$1,080.00	Site
1.025	Site recon & survey Update	\$740.00	Site
1.050	Right-of-Access agreement	\$300.00	Agreement
1.061	Request for Bid	\$300.00	Bid

FREE PRODUCT RECOVERY

2.050	Tank Tightness Testing	Secondary A3	Site
2.071	Cost of Free Product Evaluation	\$205.00	Well
2.072	Cost for a Passive Skimmer	\$800.00	Skimmer
2.073	Install./Service of Pass. Skimmer	\$100.00	Well
2.074	Hand Bailing of Free Product	\$90.00	Well

AFVR

2.082	Field Supervision of AFVR	\$93.00	Hour
2.084	Cost for AFVR	See 2B	
2.085	Rental - Emiss. Control Equip.	cost	bid
2.086	Reg. Reporting Requirements	\$300.00	event
2.087	Free Product Level Check	\$50.00	Well

FREE PRODUCT RECOVERY SYSTEM

2.090	Specify FP/VR System	\$1,185.00	
2.100	Cost of FP/VR System	low bid	Bid
2.121	Field Superv. FP/VR Sys. Install.	\$93.00	Hour
2.130	Cost for Instal Skim. System	low bid	
2.141	FP/VR Sys. Maint.	\$93.00	Hour
2.150	O&M Expenses FP/VR	cost	
2.170	Init. Site Check/Measure & Mon.	\$540.00	
2.200	Cost for Leasing a VR System	low bid	Month

BOOM MAINTENANCE

2.281	Sorbant Sock Maintenance	\$30.00	Sock
2.282	Boom Maintenance Surface Booms	\$120.00	Hour
2.290	Cost for Booms and Sorbents	cost	
2.300	Cost for Drums	\$50.00	Drum

UST REMOVAL & CLOSURE

2.410	Backfill for UST Void	\$16.00	Ton
2.416	Initial Abatement Over-Excavation	\$91.00	Ton
2.600	LSA L, I, H <10x2L	Calculated Sec-C.1	
2.610	LSA H > 10x2L	Calculated Sec-C.2	
2.620	LSA Previous GW Data	Calculated Sec-C.2	

PRE-DRILLING TASKS

3.025	Clearing Access	\$500.00	
3.060	Cost for Utility Clearance (sub.)	Cost	
3.101	Drilling Supervision	Foot	

MULTI-PHASE DRILLING		Max. Rate	Unit
3.111	Soil Boring	\$20.00	Foot
3.112	1-inch Well	\$40.00	Foot
3.113	2-inch Well	\$50.00	Foot
3.114	4-inch Well	\$60.00	Foot
3.115	Telescoping Type III Well	\$75.00	Foot
3.116	1-inch Direct Push	\$25.00	Foot
3.117	2-inch Direct Push	\$35.00	Foot

HORIZONTAL & SPECIALTY DRILLING

3.310	Cost Specialty Drilling	low bid	
	DOT Agreement MW	\$625.00	
	DOT Agreement RW	\$2,000.00	

MISC. DRILLING COSTS

3.351	Well Surveying	\$80.00	Well
3.398	Drill Rig Mobilization	\$250.00	Event
3.399	Well Abandonment	\$6.00	Foot

SAMPLING & ANALYTICAL COSTS

4.031	Cost for Sampling Well	\$140 / \$80	Well
4.041	Cost for Sampling Supply Well	\$105 / \$45	Well
4.045	Cost for Sampling Supply Well-3rd Pty	\$105 / \$45	Well
4.051	Cost for Samp. Surface Water	\$30.00	sample pt.
4.071	Cost for Sampling Soil Gas for VI	\$60.00	sample pt.
4.090	Cost for Analytical	see Anal. Table	
4.091	Samplig Shipping	Invoice	
4.095	Cost for Analytical-3rd Pty	see Anal. Table	
4.096	Samplig Shipping 3rd Party	Invoice	

FIELD TESTING & EVALUATION

5.010	Slug Testing	\$1,300.00	
5.020	Step Drawdown Test	\$2,150.00	
5.030	12-hr Aquifer Test	\$3,150.00	
5.050	Soil Vapor Extraction Test	\$3,050.00	
5.060	Insitu Air Sparge Test	\$3,500.00	
5.070	Contaminant Fate & Trans. Modeling	\$2,800.00	
5.080	Hydrogeological Parameter Test	Cost	

REPORTS

6.010	20-Day Report	\$430.00	Report
6.015	Initial Abatement Action Report	\$1,465.00	Report
6.022	Free Product Recovery Report (Subsequent)	\$300.00	See SOW
6.030	Pre-CSA Screening Report	\$300.00	Report
6.033	Site Check Report	\$730.00	Report
6.040	Comp. Site Assess. (soil only)	\$2,700.00	Site

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REPORTS (cont.)		Max. Rate	Unit
6.041	Soil Assess. Report	\$2,700.00	report
6.050	Comp. Site Assess. (soil & gw)	\$4,400.00	report
6.060	Comp. Site Assess. Addendum	\$1,400.00	report
6.064	Plume Stability Analysis	\$300.00	report
6.065	Corrective Action Feasibility Study	\$2,500.00	report
6.066	Corrective Action Design	\$5,000.00	report
6.067	Corrective Action Record of Decision	\$1,000.00	report
6.081	Soil Cleanup Plan	\$670.00	report
6.082	Public Notification	\$300.00	
6.090	Monitoring Rpt. (Initial)	\$1,250.00	report
6.091	Monitoring Rpt. (Subs.)	\$625.00	report
6.105	Corrective Action Performance Report (I)	\$1,000.00	report
6.106	Corrective Action Performance Report (S)	\$500.00	report
6.120	System Enhancement Recomm.	\$1,800.00	report
6.121	New Technology Cleanup Plan	\$2,100.00	report
6.130	Air Emissions Mon. Rpt.	\$300.00	report
6.140	Non-Discharge Permit Rpt.	\$300.00	report
6.150	POTW Monitoring Rpt.	\$300.00	report
6.160	NPDES Monitoring Rpt.	\$300.00	report
6.170	Site Closure Rpt.	\$700.00	report
6.171	Soil Cleanup & Site Closure Rpt.	\$800.00	report
6.173	Cost for NC Prof. Surveyor	cost	
6.174	Deed Recordation	\$300.00	property
6.180	Variance Request	\$3,000.00	site
6.190	Misc. Letter Report	\$300.00	report

REMEDIAL SERVICES			
7.020	Cost for Pump & Treat System	low bid	
7.040	Cost for SVE System	low bid	
7.060	Cost for Air Sparge System	low bid	
7.065	Cost for Mult-Tech. Rem. Syst.	low bid	
7.081	Rem. Syst. Install. Inspect.	\$93.00	hour
7.100	Cost for Install. Rem. System	low bid	
7.121	Rec. Trench Install. Inspect.	\$93.00	hour
7.140	Cost for Install. Rec. Trench	low bid	
7.161	Infilt. Gallery Install. Insepct.	\$93.00	hour
7.180	Cost for Install. Infilt. Gallery	low bid	
7.201	Cost for Sched. Maintenance	\$93.00	hour
7.250	Cost for Rem. Supplies & Equip.	low bid	
7.260	Cost for Rem. Operating. Expen.	cost	
7.261	GAC/AG Replacement	cost	
7.361	Remedial Soil Excavation	\$91.00	ton
7.390	Lease Therm/CATOX	low bid	
7.400	Purchase Therm/CATOX	low bid	
7.410	Lease Rem. System	low bid	
7.420	Lease Charges for MMPE	Calculated Sec-D	

RELOCATION OF SYSTEMS		Max. Rate	Unit
7.500	Relocation of Remedial System	low bid	

PERMITS			
8.010	Cert. Of Disposal	\$300.00	
8.020	Permit for Land Application	\$900.00	
8.030	Agreement for Land Application	\$300.00	
8.040	Air Quality Permit	\$1,100.00	
8.041	Air Quality Registration	\$300.00	
8.050	Injection Well Permit	\$1,240.00	
8.055	Injection Notice of Intent	\$300.00	
8.060	NonDischarge Permit	\$2,550.00	
8.070	NPDES Individual Permit	\$1,975.00	
8.080	NPDES General Permit	\$880.00	
8.090	POTW Discharge Permit	\$1,280.00	
8.091	CAMA Permit (Minor Dev.)	\$440.00	
8.092	CAMA Permit (Major Dev.)	\$625.00	
8.100	Cost for Permit Fees	cost	
8.105	County MW Permit Fees	cost	
8.110	Cost for Performing Variance	\$525.00	

DISPOSAL SERVICES			
9.020	Cost for Disp. Product/GW	low bid	
9.040	Cost for Disp. Sorbents	low bid	

SITE REPAIR			
10.010	Structure Repair	See SOW	
10.030	Cost for Repairing Utilities	Cost	
10.070	Cost for Repairing Conc./Asph.	\$4.50/sq. ft.	

CONNECTING TO PUBLIC WATER			
11.020	Agreements to Connect Users	\$300.00	agreement
11.040	Coordination & Verif. Connection	\$300.00	connection
11.050	Cost for Water Connections	low bid	
11.060	Municipality Water Fees	Invoice	

TRAVEL TIME & LODGING			
12.010	Approved Travel	\$1.50 per Mile	
12.030	Overnight Lodging	Federal Non-Specified Rate	night
12.050	Consultant Mobe	\$220.00	Trip

NC UST LAB MAXIMUM RATES
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<u>Code #</u>	<u>Analytical Method</u>	<u>Max. Rate</u>
Hydrocarbon Sampling (water)		
Code # 210	EPA 601	\$46.00
Code # 220	EPA 602 (Including Xylenes, MTBE & IPE)	\$37.00
Code # 230	EPA 601 & EPA 602 (Including Xylenes, MTBE, IPE & EDB*) *for low detection on EDB see EPA 504.1	\$66.00
Code # 240	SM 6200B (+ MTBE, IPE, & EDB* + 5 OXYGENATES**, Ethanol)	\$88.00
Code # 271	STANDARD METHODS (SM) 6200B	\$62.00
Code # 272	STANDARD METHODS 6200B (Including MTBE, IPE, & EDB*)	\$62.00
Code # 280	EPA 504.1 EDB	\$42.00
Code # 290	EPA 610 POLYNUCLEAR AROMATICS (GC/MS Confirmed)	\$88.00
Code # 300	EPA 625 (Base Neutral and Acid Extractables)	\$181.00
Code # 301	EPA 625 (Base Neutral and Acid Extractables with 10 Largest Non-Target Peaks)	\$196.00
Code # 310	EPA 625 (Base Neutral Extractables Only)	\$139.00
Code # 320	EPA 625 (Base Neutral Extractables Only with 10 Largest Non-Target Peaks)	\$154.00
Code # 321	EPA 625 Polynuclear Aromatic Hydrocarbons (PAHs) Only	\$91.00
Code # 330	Total Lead with STANDARD METHODS 3030C Sample Preparation	\$13.00
Code # 331	Total Lead & Chromium with STANDARD METHODS 3030C Sample Preparation	\$19.00
Code # 340	TCLP RCRA Metals (Method 1311) with extraction	\$170.00
Code # 341	Massachusetts Dept. of Environmental Protection VPH: Alkanes/Aromatics	\$52.00
Code # 342	Massachusetts Dept. of Environmental Protection EPH: Alkanes/Aromatics	\$94.00

Hydrocarbon Sampling (soil)

Code # 350	EPA 5030/8015B GRO or California Method	\$36.00
Code # 360	EPA 3550/8015B DRO or California Method	\$38.00
Code # 370	EPA 3550/8015B DRO and EPA 5030/8015B GRO or California Method	\$65.00
Code # 380	EPA METHOD 9071A OIL AND GREASE with freon extraction	\$39.00
Code # 390	EPA METHOD 9071B (HEM) N-Hexane extractable material (replaces 9071A when required)	\$43.00
Code # 408	EPA METHOD 5035/8260 (Including MTBE & IPE) w/ 3 EnCore or equivalent	NA
Code # 409	EPA METHOD 5035/8260 (Including MTBE & IPE)	\$79.00
Code # 410	EPA METHOD 8270 (Base Neutral and Acid Extractables)	\$176.00
Code # 411	EPA METHOD 8270 (Base Neutral Extractables Only)	\$137.00
Code # 412	EPA METHOD 8270 (Polynuclear Aromatic Hydrocarbons (PAHs) Only)	\$92.00
Code # 414	EPA METHOD 8081 (PESTICIDES)	NA
Code # 415	EPA METHOD 8082 (PCB)	\$119.00
Code # 416	EPA METHOD 8100 (Polynuclear Aromatic Hydrocarbons)	\$123.00
Code # 417	EPA METHOD 8310 (Polynuclear Aromatic Hydrocarbons)	\$149.00
Code # 420	TCLP RCRA Metals (Method 1311) with Extraction (used waste oil)	\$94.00
Code # 421	Massachusetts Dept. of Environmental Protection VPH: Aliphatics/Aromatics	\$54.00
Code # 422	Massachusetts Dept. of Environmental Protection EPH: Aliphatics/Aromatics	\$94.00
Code # 424	Total Metals (Chromium and Lead) EPA 3050 or 3051 Sample Preparation	\$24.00

Natural Attenuation Sampling (water)

Please Note: These parameters shall be used for modeling purposes and attenuation evaluation. See Section 5.

Code # 430	TOTAL PHOSPHATE	\$15.00
Code # 440	NITRATE + NITRITE NITROGEN	\$20.00
Code # 441	NITRATE NITROGEN	\$13.00
Code # 442	NITRITE NITROGEN	\$13.00
Code # 460	AMMONIA NITROGEN	\$17.00
Code # 470	TOTAL ORGANIC NITROGEN	\$26.00
Code # 490	IRON (total or ferrous)	\$18.00
Code # 500	ALKALINITY	\$13.00
Code # 510	SULFATE	\$14.00
Code # 520	MASS FRACTION OF BETX CMPDS (free product sample only)	\$68.00

NC UST LAB MAXIMUM RATES
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Code # 850	EPA 5030/8260 (methanol extracts composited by lab)	\$76.00
Code # 860	EPA 8082 PCBs (composite sample)	\$119.00
Code # 870	TOX (composite sample)	\$150.00
Code # 874	Total Metals (Chromium and Lead) EPA 3050 or 3051 Preparation (composite sample)	\$20.00
Code # 875	TCLP RCRA Metals (Method 1311) with Extraction (composite sample)	\$94.00

Air Sampling (Vapor Extraction units)

Code # 880	BTEX Air Sampling (TPH GC Compounds) EPA Method 18 Bag Procedure	\$142.00
	Analysis includes: benzene, toluene, ethylbenzene, xylene and total petroleum hydrocarbons as isooctane	
	Rate includes new Tedlar bag(s), sampling pump and expendables. Only as required by permit.	

Please Note: All of the requirements listed below must be met prior to reimbursement.

The laboratory which performs the analysis must be North Carolina DWQ Certified (for parameters for which certification is available).

The responsible party or their designee must get prior approval from the appropriate Regional Office for accelerated turnaround of any analysis.

The responsible party or their designee must also get pre-approval from the appropriate Regional Office if they wish to use an analytical method not specified herein.

The responsible party or their designee must secure laboratory analytical reports which include any permit required reporting elements as well as the seven basic reporting elements outlined in the current "Guidelines for Assessment and Corrective Action" and "Guidelines for Tank Closure".