

workplan.hw.130043.2011-01-13.D004434-31\_MACTEC.pdf

**New York State Department of Environmental Conservation**

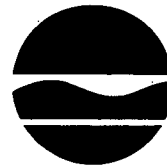
**Division of Environmental Remediation**

**Bureau of Program Management, 12<sup>th</sup> Floor**

625 Broadway, Albany, NY 12233-7012

Phone: (518) 402-9764 • Fax: (518) 402-9722

Website: [www.dec.ny.gov](http://www.dec.ny.gov)



January 13, 2011

Mr. William Weber  
MACTEC Engineering and Consulting  
511 Congress Street, PO Box 7050  
Portland, ME 04112-7050

RE: **Schedule 2.11s Approval**  
**Work Assignment #D004434-31.1**  
**New Cassel Industrial Area**  
**Site #130043**

Dear Mr. Weber:

The New York State Department of Environmental Conservation's Division of Environmental Remediation hereby approves the attached Schedule 2.11s for the above referenced work assignment (WA), increasing the present budget by \$12,597 for a total WA budget of \$77,600. MACTEC may now submit a request for reimbursement for work completed under this WA.

If you have any questions regarding this WA, please contact the Project Manager, Joseph Jones, at (518) 402-9621.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric R. Obrecht".

for Eric R. Obrecht, P.E.  
Chief

Contracts and Payments Section  
Bureau of Program Management  
Division of Environmental Remediation

Attachment

ec: [wjweber@mactec.com](mailto:wjweber@mactec.com)  
J. Jones, PM  
L. Lewis, CM  
E. Obrecht  
D. Desnoyers  
R. Schick  
D. Weigel  
J. Harrington  
G. Bobersky  
D. Finlayson  
T. Wolosen  
M/WBE Unit

**From:** Joseph Jones  
**To:** Lewis, Lisa  
**Date:** 1/11/2011 1:41 PM  
**Subject:** Re: NCIA amendment D004434-31.1 - Comments on budget pages

I approve the 211s. Thanks.....

>>> Lisa Lewis 1/6/2011 4:57 PM >>>

Hi Jayme-

I've completed my review of the NCIA amendment 2.11s and I have no comments.

**Joe** - Please send me your approval of the 2.11s.

Thanks,  
Lisa

Lisa M. Lewis  
Contract Manager  
NYS Dept. of Environmental Conservation  
Division of Environmental Remediation  
Bureau of Program Management  
Contracts & Payments Section  
625 Broadway, 12th Floor  
Albany, NY 12233-7012

Phone: (518) 402-9601  
Fax: (518) 402-9722  
Email: [lmlewis@gw.dec.state.ny.us](mailto:lmlewis@gw.dec.state.ny.us)

>>> "Stiles, Bryanna" <[BTSTILES@mactec.com](mailto:BTSTILES@mactec.com)> 11/19/2010 4:11 PM >>>

Lisa -

Attached is the New Cassel Industrial Area Amendment 1. Please let us know if you have any questions.

Thanks,  
Bryanna

Bryanna Stiles | Senior Project Administrator  
MACTEC Engineering and Consulting, Inc. | Portland, ME  
PO Box 7050, 511 Congress St. 04112  
(04101 for Fed Ex and UPS)  
Office 207-828-3205 | Fax 207-772-4762  
Email [btstiles@mactec.com](mailto:btstiles@mactec.com) <<mailto:btstiles@mactec.com>> | Web  
[www.mactec.com](http://www.mactec.com) <<http://www.mactec.com>>

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**From:** Christopher Hale  
**To:** Lisa Lewis  
**CC:** Michele June  
**Date:** 11/23/2010 2:00 PM  
**Subject:** Fwd: Utilization Plan Approved for Contract Number D004434

Christopher Hale  
Minority Business Specialist 1  
Department of Environmental Conservation  
Minority and Women's Business Enterprise  
625 Broadway  
Albany, New York 12233-5028  
518.402.9311

>>> Christopher Hale 11/23/2010 2:00 PM >>>  
WA # D004434-31.1 - New Cassel Industrial Area - Site #130043

Dear Mr. Peterson:

The Bureau of Affirmative Action and Minority and Women's Business Programs (BAA/W/WBP) is responsible for the administration of the Department of Environmental Conservation's (DEC) Minority and Women's Business Enterprise-Equal Employment Opportunity (M/WBE-EEO) Program. The M/WBE-EEO Program serves to assure that NY State certified minority and women-owned business enterprises (M/WBEs) are provided access to contracting opportunities. The program also ensures that minorities and women are provided equal access to employment opportunities (EEO) created by the expenditure of public funds. The Office of Minority and Women's Business Programs is in receipt of your firm's utilization plan. Based on our review, the following comments are provided for your information

A. The contractor's detailed M/WBE utilization plan for the above contract/work assignment has been approved.

B. To be in compliance with the M/WBE-EEO program requirements, please ensure that the following procedures are followed:

That legally signed and executed M/WBE subcontracts are maintained in your files for review by the NYSDEC.

That copies of purchase orders (if used) along with copies of both sides of legally signed and canceled checks; need to be kept to verify actual payment to M/WBE's. These documents are to be kept in your files and made available when requested, for review by the NYSDEC.

Please provide this office, within fifteen (15) business days of the close of each federal fiscal quarter, a quarterly report listing of all M/WBE subcontracts on record for each prime contract and/or legally signed purchase orders. Please include date of award for each M/WBE subcontract, total dollar value and scope of work.

The OMWBP must be notified immediately of changes to the approved Utilization Plan along with the following documentation:

Records indicating reasonable steps to promptly replace and MBE or WBE subcontractor that is unable to perform successfully with another MBE or WBE; Copies of the correspondence or any information relevant to the change.

If you require assistance in obtaining the names of NYS certified M/WBEs that specialize in the tasks contained in your documents, you may access the Empire State Development Corporation's M/WBE Directory via the Internet at: <http://www.nylovesmwbe.ny.gov/cf/search.cfm> or contact me at (518) 402-9311.

Sincerely,

Christopher Hale  
Minority Business Specialist I

## Cost Review for Schedule 2.11 Package

**Contractor Name: Mactec Engineering & Consulting**  
**WA # and Name: New Cassel Industrial Area, D004434-31.1**

**Date: 1/6/11**  
**Reviewer: Lisa Lewis**

GENERAL COST REVIEW CHECKLIST		Yes	No	Comments
	A complete set of 2.11 Schedules (a) through (h) is attached.	X		
	Budget package includes a cover letter and an M/WBE Utilization Plan.	X		
<b>1</b>	<b>Cover Letter</b>			
	Provides brief justification of the budget supported by the 2.11s.	X		
	Anticipated completion date(s) for the work are included. For amendments, there is an explanation of how the submittal affects the existing schedule.	X		
	Duration of anticipated work does not exceed the next fiscal year. (Work subsequent to that should be part of a future amendment or new work assignment.)	X		
	If proposing work for multiple years, a brief justification is included.	~	~	N/A
	Includes anticipated billings by State fiscal year. For amendments, both the unexpended budget and the new costs being added are identified.	X		
	If an amendment, the current status of work (what's completed/billed, what remains) is provided.	X		
<b>2</b>	<b>Schedule 2.11(b) - Direct Labor</b>			
	Average reimbursement rates are used for each year. Future years escalate 3%.	X		
	Hours are segregated by year.	X		
	Total cost for each NSPE level is shown.	X		
	Total direct labor costs match amounts on Schedule 2.11(a).	X		
	The Principal's (NSPE IX) labor hours charged to WA are less than 2% of the total.	X		
	Total labor hours match hours on Schedule 2.11(h).	X		
<b>3</b>	<b>Schedule 2.11(b-1) - Direct Administrative Labor Hours</b>			
	Breakdown of Schedule 2.11(b-1) is reasonable, i.e., admin LOE is within acceptable guideline of <4% of overall WA LOE. Justification is attached for any exceedance.	X		8% = OK for small WA
<b>4</b>	<b>Schedules 2.11(c) and (d) - Direct Non-Salary Costs</b>			
	Rates listed in Schedule 2.11(c) are consistent with contract.	X		
	Rates for in-house and/or misc. costs match contract Schedule 2.10(b) or 2.10(c) (2).	~	~	N/A
	Quotes are included for any non-contract item (including equipment purchases & rentals; excluding air fare) >\$1k. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.	~	~	N/A
	All costs are allowable, e.g., office telephone and office shipping cannot be reimbursed as a direct cost if they're included in ICR. Field costs must be receipted.	X		
	Appropriate lodging/per diem/mileage rates are used.	X		
	Schedule 2.11(d)1 - All equipment purchased is supported by cost justification that's acceptable to the CM. Equipment is to be maintained by the contractor or turned over to DEC, and it must be added to contractor's inventory list (include a revised copy).	~	~	N/A
	Schedule 2.11(d)2 - Rates for consultant-owned equipment match Schedule 2.10(c).	~	~	N/A
	Schedule 2.11(d)4 - Includes equipment to be used only on the WA (such as blower purchased to upgrade SVE system).	~	~	N/A
	Other direct costs (no. of field days, lodging, and field equipment usage) are reasonable based on field work schedule or supporting documentation.	X		
	Total of direct non-salary costs matches the amount on Schedule 2.11(a).	X		

5	<b>Schedule 2.11(e) - Cost-plus-fixed-fee subcontracts</b>			
	Proposed subconsultant is on standby or has DEC-approved rates with another standby consultant. Otherwise, financial information required for cost analysis must be submitted.	~~	~~	N/A
	Standby subcontract is active and rates (salary, direct and indirect costs, and fixed fee) match contract rates.	~~	~~	
	A breakdown of direct non-salary costs is provided.	~~	~~	
	Total subcontract cost matches amount on Schedule 2.11(a).	~~	~~	
	Subcontractor has justified/obtained adequate quotes for any further subcontracted work.	~~	~~	
	Subcontractor certification(s) have been submitted.	~~	~~	
6	<b>Schedule 2.11(f) - Unit Price Subcontracts</b>			
	There are quotes for non-standby subcontracts >\$1k. Bids are comparable (quantities and items) and provide unit costs plus job total. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.	~~	~~	N/A
	<i>Standby Drillers</i> (Two phase process) - Quotes from all standbys are attached. Proper unit costs and mobilization/demobilization costs are used. The low quote has been selected. Explanation for declinations has been provided.	X		Cont'd sub
	<i>Standby Labs and Data Validators</i> (rotate use) - Unit costs match those in contract(s).	X		Cont'd sub
	<i>M/WBE</i> - Cost reasonableness of sole/single source M/WBE contracts <\$10k are documented by an engineer's estimate.	~~	~~	N/A
	Cost reasonableness of sole/single source contracts are documented by an engineer's estimate or other cost comparisons (e.g., historical costs, pricing guides).	~~	~~	N/A
	Placeholders are used only for non-standby subcontractors.	~~	~~	N/A
	Cost reasonableness of placeholder subcontractors are documented by an engineer's estimate or other cost comparisons.	~~	~~	N/A
	Correct contract management fee is calculated only on non-professional unit priced subs >\$10k and M/WBE firms from \$1. (Management fee is not allowed on professional engineering firms, architects, or surveyors unless the contract specifically allows it.)	X		
	Total subcontract costs match the amounts on Schedule 2.11(a).	X		
	Justification is attached for subcontracts >\$100,000 supporting a determination not to design and competitively bid the work. Response-type activities (drum removals, other construction-type activities) must be competitively bid unless otherwise approved.	~~	~~	N/A
	Subcontractor certification(s) have been submitted.	~~	~~	N/A
7	<b>Schedule 2.11(g) - Cost Control Report</b>			
	Individual 2.11(g)s equal Summary 2.11(g) and costs match those on 2.11(a).	X		
8	<b>Schedule 2.11(g) - Supplemental - Cost Control Report (subs)</b>			
	Includes all applicable subcontracts and management fees (for unit price only).	X		
9	<b>Schedule 2.11(a)</b>			
	Rates for indirect and fixed fee match contract rates.	X		
	All numbers rolled up into Schedule 2.11(a) add up.	X		

rev. 8/23/10



engineering and constructing a better tomorrow

November 19, 2010

New York State Department of Environmental Conservation  
Division of Environmental Remediation  
Bureau of Program Management, 12<sup>th</sup> Floor  
625 Broadway  
Albany, New York 12233-7012

APPROVED  
LML 1/6/11

Attention: Lisa Lewis

Subject: **Amendment 1, Work Assignment # D004434-31.1**  
**New Cassel Industrial Area (Site 130043)**  
**MACTEC Engineering and Consulting, P.C., Project # 3612092127**

Dear Ms. Lewis:

MACTEC Engineering and Consulting, P.C. (MACTEC) has prepared the Amendment 1 Schedule 2.11 cost tables for the New Cassel Industrial Area (NCIA) Site (Work Assignment [WA] D004434-31). The revised costs reflect additional work requested by the New York State Department of Environmental Conservation (NYSDEC) Project Manager for the following:

- Expanded soil sampling scope conducted at the Tishcon Corp (New York Ave) Site 130043V;
- Supplemental soil vapor sampling event at the Tishcon Corp (125 State St) Site 1340043C (returning to the Site in 2011 under a separate mobilization effort); and
- Finalizing the Draft Soil Vapor Intrusion (SVI) Investigation Report in 2011.

The total Amendment 1 project cost for the WA D004434-31 is \$77,600. This is an additional cost of \$12,597.

MACTEC's assumptions for this amendment include the following:

1. The property owner and/or tenant agrees to provide MACTEC with access for collection of samples over a 24 hour duration. Sampling will occur during one (1) mobilization effort.
2. MACTEC will submit a Revised Draft Soil Vapor Intrusion Investigation Report. The Draft SVI Investigation Report submitted by MACTEC on August 9, 2010 will be modified to include

results from the 2011 SVI sampling event at the Tishcon Corp (125 State St) Site 134003C. The Revised Draft SVI Investigation Report will be submitted to the NYSDEC and NYSDOH for review within 30 days of receiving validated results.

3. NYSDEC and NYSDOH will submit one (1) set of combined comments on the Revised Draft SVI Report. MACTEC will address comments and submit a Final SVI Investigation Report within 21 days of receiving of combined comments.
4. The need for additional site work and/or mitigation system evaluation will be budgeted under a WA amendment or new work assignment(s) as needed.

The table below provides the breakdown of anticipated completion dates by task and estimated costs to be billed each fiscal year. To date, \$64,081 has been spent out of a budget of \$65,003 (\$922 remaining in current budget). Amendment 1 includes an additional \$12,597 to the WA budget for project completion.

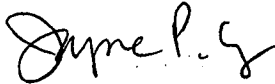
Task	Anticipated Completion Date	Est. Cost FY 2010/2011	Est. Cost FY 2011/2012
Task 1 – IMC Magnetics (130043A)	3/31/2011	-	\$810
Task 2 – Atlas Graphics (130043B)	3/31/2011	-	\$944
Task 3 – Tishcon Corp (125 State St) (130043C)	3/31/2011	\$6,249	\$800
Task 4 – Former Tishcon Corp (130043F)	3/31/2011	-	\$963
Task 5 – Former Laka Industries (130043K)	3/31/2011	-	\$890
Task 6 – EZ-EM Inc (130043N)	3/31/2011	-	\$930
Task 7 – Tishcon Corp (New York Ave) (130043V)	3/31/2011	-	\$1,930

Amendment 1 Schedule 2.11s are attached along with the Cost Review Check List (Attachment 1). This amendment revises the estimated budget for labor, travel, and subcontractors. No changes have been made to the selection of subcontractors; therefore, new subcontractor certification forms (and associated backup) are not necessary. A Minority or Woman Owned Business Enterprise (M/WBE) Utilization Plan has been submitted directly to the NYSDEC M/WBE unit.

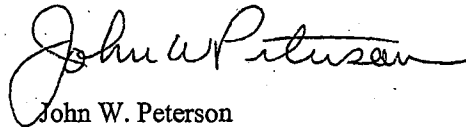
We look forward to our continued working relationship with the NYSDEC on this WA. Please feel free to contact us if you have any questions.

Sincerely,

**MACTEC Engineering and Consulting, P.C.**



Jayme P. Connolly  
Project Manager



John W. Peterson  
Principal Professional

Enclosure

Schedule 2.11 Cost Tables and Cost Review Checklist

cc: Joseph Jones

**ATTACHMENT 1**

**SCHEDULE 2.11 COST TABLES AND COST REVIEW CHECKLIST**



Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/10

**Schedule 2.11(a)**  
**Summary of Work Assignment Price**

1	DIRECT SALARY COSTS (Schedules 2.10(a) and 2.11 (b))	\$	18,599
2	INDIRECT COSTS (Schedule 2.10(g))	\$	30,986
3	DIRECT NON-SALARY COSTS (Schedules 2.10(d)(e)(f) and 2.11 (c) and (d))	\$	11,936
<b>SUBCONTRACT COSTS</b> <b>COST-PLUS-FIXED-FEE SUBCONTRACTS</b> (Schedule 2.11(e))			
	<b>Name of Subcontractor</b>	<b>Services to be Performed</b>	<b>Subcontract Price</b>
			\$ -
			\$ -
			\$ -
4	TOTAL COST-PLUS-FIXED-FEE SUBCONTRACTS	\$	-
<b>UNIT PRICE SUBCONTRACTS</b> (Schedule 2.11(f))			
	<b>Name of Subcontractor</b>	<b>Services to be Performed</b>	<b>Subcontract Price</b>
	Centek Laboratory	Lab Services - Air	\$ 1,290
	Centek Laboratory	Lab Services - Air	\$ 1,290
	Centek Laboratory	Lab Services - Air	\$ 1,290
	Centek Laboratory	Lab Services - Air	\$ 1,290
	Centek Laboratory	Lab Services - Air	\$ 1,290
	Centek Laboratory	Lab Services - Air	\$ 1,290
	Centek Laboratory	Lab Services - Air	\$ 1,290
	Aztech	Direct Push Geoprobe sampling	\$ 3,695
	Chemtech	Laboratory Services - Soil Analysis	\$ 352
5	TOTAL UNIT PRICE SUBCONTRACTS	\$	13,077
6	SUBCONTRACT MANAGEMENT FEE	\$	523
7	TOTAL SUBCONTRACT COSTS (Lines 4 + 5 + 6)	\$	13,600
8	FIXED FEE (Schedule 2.10(h))	\$	2,479
9	TOTAL WORK ASSIGNMENT PRICE (Lines 1 + 2 + 3 + 7 + 8)	\$	77,600



Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/10

Schedule 2.11(b)  
 Direct Labor Hours Budgeted

GRADE LEVEL	IX	VIII	VII	VI	V	IV	III	II	I	TOTAL
2008 Rates	\$64.90	\$55.94	\$48.69	\$45.64	\$40.64	\$35.08	\$28.83	\$24.75	\$21.40	
2009 Rates	\$66.09	\$56.97	\$49.58	\$46.48	\$41.38	\$35.72	\$29.36	\$25.21	\$21.79	
2010 Rates	\$67.38	\$58.07	\$50.55	\$47.38	\$42.19	\$36.41	\$29.93	\$25.70	\$22.21	
2011 Rates	\$69.40	\$59.81	\$52.07	\$48.80	\$43.46	\$37.50	\$30.83	\$26.47	\$22.88	
2012 Rates	\$71.48	\$61.61	\$53.63	\$50.27	\$44.76	\$38.63	\$31.75	\$27.27	\$23.56	
<b>Task 1 - IMC Magnetics - 130043A</b>										
2009 Hours	0	0	0	1	6	2	18	19	3	49
2010 Hours	0	0	0	0	4	2	5	5	3	20
2011 Hours	0.50	0.00	0.00	0.25	2.00	0.00	0.00	2.00	2.00	6.75
<b>Total Hours</b>	<b>1.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.50</b>	<b>12.10</b>	<b>4.00</b>	<b>23.30</b>	<b>25.90</b>	<b>8.60</b>	<b>76.40</b>
2009 Labor Cost	16.52	0.00	0.00	46.48	240.00	71.44	537.29	468.91	71.91	1452.55
2010 Labor Cost	16.85	0.00	0.00	11.85	181.42	72.82	149.65	136.21	73.29	642.08
2011 Labor Cost	\$ 34.70	\$ -	\$ -	\$ 12.20	\$ 86.91	\$ -	\$ -	\$ 52.94	\$ 45.75	\$ 232.51
<b>Total Labor Cost</b>	<b>\$ 68.07</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70.53</b>	<b>\$ 508.33</b>	<b>\$ 144.26</b>	<b>\$ 686.94</b>	<b>\$ 658.06</b>	<b>\$ 190.95</b>	<b>\$ 2,327.13</b>
<b>Task 2 - Atlas Graphics - 130043B</b>										
2009 Hours	0.25	0.00	0.00	1.00	5.80	2.00	18.30	18.60	3.30	49.25
2010 Hours	0.25	0.00	0.00	0.25	4.30	2.00	5.00	5.30	3.30	20.40
2011 Hours	0.50	0.00	0.00	0.25	2.00	0.00	0.00	2.00	2.00	6.75
<b>Total Hours</b>	<b>1.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.50</b>	<b>12.10</b>	<b>4.00</b>	<b>23.30</b>	<b>25.90</b>	<b>8.60</b>	<b>76.40</b>
2009 Labor Cost	16.52	0.00	0.00	46.48	240.00	71.44	537.29	468.91	71.91	1452.55
2010 Labor Cost	16.85	0.00	0.00	11.85	181.42	72.82	149.65	136.21	73.29	642.08
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<b>Total Labor Cost</b>	<b>\$ 68.07</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70.53</b>	<b>\$ 508.33</b>	<b>\$ 144.26</b>	<b>\$ 686.94</b>	<b>\$ 658.06</b>	<b>\$ 190.95</b>	<b>\$ 2,327.13</b>
<b>Task 3 - Tishcon Corp (125 State Street) - 130043C</b>										
2009 Hours	0.25	0.00	0.00	1.00	4.80	2.00	3.30	3.60	3.30	18.25
2010 Hours	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.30	0.30	0.90
2011 Hours	1.50	0.00	0.00	0.50	9.00	4.00	26.00	29.00	7.00	77.00
<b>Total Hours</b>	<b>1.75</b>	<b>0.00</b>	<b>0.00</b>	<b>1.50</b>	<b>14.10</b>	<b>6.00</b>	<b>29.30</b>	<b>32.90</b>	<b>10.60</b>	<b>96.15</b>
2009 Labor Cost	16.52	0.00	0.00	46.48	198.62	71.44	96.89	90.76	71.91	592.62
2010 Labor Cost	0.00	0.00	0.00	0.00	12.66	0.00	0.00	7.71	6.66	27.03
2011 Labor Cost	\$ 104.10	\$ -	\$ -	\$ 24.40	\$ 391.10	\$ 150.01	\$ 801.53	\$ 767.66	\$ 160.13	\$ 2,398.93
<b>Total Labor Cost</b>	<b>\$ 120.62</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70.88</b>	<b>\$ 602.38</b>	<b>\$ 221.45</b>	<b>\$ 898.41</b>	<b>\$ 866.13</b>	<b>\$ 238.70</b>	<b>\$ 3,018.58</b>
<b>Task 4 - Former Tishcon Corp - 130043F</b>										
2009 Hours	0.25	0.00	0.00	1.00	5.80	2.00	18.30	18.60	3.30	49.25
2010 Hours	0.25	0.00	0.00	0.25	4.30	2.00	5.00	5.30	3.30	20.40
2011 Hours	0.50	0.00	0.00	0.25	2.00	0.00	0.00	2.00	2.00	6.75
<b>Total Hours</b>	<b>1.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.50</b>	<b>12.10</b>	<b>4.00</b>	<b>23.30</b>	<b>25.90</b>	<b>8.60</b>	<b>76.40</b>
2009 Labor Cost	16.52	0.00	0.00	46.48	240.00	71.44	537.29	468.91	71.91	1452.55
2010 Labor Cost	16.85	0.00	0.00	11.85	181.42	72.82	149.65	136.21	73.29	642.08
2011 Labor Cost	\$ 34.70	\$ -	\$ -	\$ 12.20	\$ 86.91	\$ -	\$ -	\$ 52.94	\$ 45.75	\$ 232.51
<b>Total Labor Cost</b>	<b>\$ 68.07</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70.53</b>	<b>\$ 508.33</b>	<b>\$ 144.26</b>	<b>\$ 686.94</b>	<b>\$ 658.06</b>	<b>\$ 190.95</b>	<b>\$ 2,327.13</b>
<b>Task 5 - Former Laka Industries, Inc - 130043K</b>										
2009 Hours	0.25	0.00	0.00	1.00	5.80	2.00	18.30	18.60	3.30	49.25
2010 Hours	0.25	0.00	0.00	0.25	4.30	2.00	5.00	5.30	3.30	20.40
2011 Hours	0.50	0.00	0.00	0.25	2.00	0.00	0.00	2.00	2.00	6.75
<b>Total Hours</b>	<b>1.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.50</b>	<b>12.10</b>	<b>4.00</b>	<b>23.30</b>	<b>25.90</b>	<b>8.60</b>	<b>76.40</b>
2009 Labor Cost	16.52	0.00	0.00	46.48	240.00	71.44	537.29	468.91	71.91	1452.55
2010 Labor Cost	16.85	0.00	0.00	11.85	181.42	72.82	149.65	136.21	73.29	642.08
2011 Labor Cost	\$ 34.70	\$ -	\$ -	\$ 12.20	\$ 86.91	\$ -	\$ -	\$ 52.94	\$ 45.75	\$ 232.51
<b>Total Labor Cost</b>	<b>\$ 68.07</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70.53</b>	<b>\$ 508.33</b>	<b>\$ 144.26</b>	<b>\$ 686.94</b>	<b>\$ 658.06</b>	<b>\$ 190.95</b>	<b>\$ 2,327.13</b>



Schedule 2.11(b)  
 Direct Labor Hours Budgeted

GRADE LEVEL	IX	VIII	VII	VI	V	IV	III	II	I	TOTAL
2008 Rates	\$64.90	\$55.94	\$48.69	\$45.64	\$40.64	\$35.08	\$28.83	\$24.75	\$21.40	
2009 Rates	\$66.09	\$56.97	\$49.58	\$46.48	\$41.38	\$35.72	\$29.36	\$25.21	\$21.79	
2010 Rates	\$67.38	\$58.07	\$50.55	\$47.38	\$42.19	\$36.41	\$29.93	\$25.70	\$22.21	
2011 Rates	\$69.40	\$59.81	\$52.07	\$48.80	\$43.46	\$37.50	\$30.83	\$26.47	\$22.88	
2012 Rates	\$71.48	\$61.61	\$53.63	\$50.27	\$44.76	\$38.63	\$31.75	\$27.27	\$23.56	
<b>Task 6 - EZ-EM, Inc - 130043N</b>										
2009 Hours	0.25	0.00	0.00	1.00	5.80	2.00	18.30	18.60	3.30	49.25
2010 Hours	0.25	0.00	0.00	0.25	4.30	2.00	5.00	5.30	3.30	20.40
2011 Hours	0.50	0.00	0.00	0.25	2.00	0.00	0.00	2.00	2.00	6.75
<b>Total Hours</b>	<b>1.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.50</b>	<b>12.10</b>	<b>4.00</b>	<b>23.30</b>	<b>25.90</b>	<b>8.60</b>	<b>76.40</b>
2009 Labor Cost	16.52	0.00	0.00	46.48	240.00	71.44	537.29	468.91	71.91	1452.55
2010 Labor Cost	16.85	0.00	0.00	11.85	181.42	72.82	149.65	136.21	73.29	642.08
2011 Labor Cost	\$ 34.70	\$ -	\$ -	\$ 12.20	\$ 86.91	\$ -	\$ -	\$ 52.94	\$ 45.75	\$ 232.51
<b>Total Labor Cost</b>	<b>\$ 68.07</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70.53</b>	<b>\$ 508.33</b>	<b>\$ 144.26</b>	<b>\$ 686.94</b>	<b>\$ 658.06</b>	<b>\$ 190.95</b>	<b>\$ 2,327.13</b>
<b>Task 7 - Tishcon Corp (New York Ave) - 130043V</b>										
2009 Hours	0.25	0.00	0.00	1.00	5.80	2.00	43.60	43.60	3.00	99.25
2010 Hours	0.25	0.00	0.00	0.25	6.30	2.00	8.00	8.30	3.30	28.40
2011 Hours	0.50	0.00	0.00	0.25	2.00	0.00	0.00	2.00	2.00	6.75
<b>Total Hours</b>	<b>1.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.50</b>	<b>14.10</b>	<b>4.00</b>	<b>51.60</b>	<b>53.90</b>	<b>8.30</b>	<b>134.40</b>
2009 Labor Cost	16.52	0.00	0.00	46.48	240.00	71.44	1280.10	1099.16	65.37	2819.07
2010 Labor Cost	16.85	0.00	0.00	11.85	265.80	72.82	239.44	213.31	73.29	893.35
2011 Labor Cost	\$ 34.70	\$ -	\$ -	\$ 12.20	\$ 86.91	\$ -	\$ -	\$ 52.94	\$ 45.75	\$ 232.51
<b>Total Labor Cost</b>	<b>\$ 68.07</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70.53</b>	<b>\$ 592.71</b>	<b>\$ 144.26</b>	<b>\$ 1,519.54</b>	<b>\$ 1,365.41</b>	<b>\$ 184.42</b>	<b>\$ 3,944.93</b>
<b>2009 Total Labor Hours</b>	<b>1.75</b>	<b>0.00</b>	<b>0.00</b>	<b>7.00</b>	<b>39.60</b>	<b>14.00</b>	<b>138.40</b>	<b>140.20</b>	<b>22.80</b>	<b>363.75</b>
<b>2009 Total Direct Labor Cost (\$)</b>	<b>115.66</b>	<b>0.00</b>	<b>0.00</b>	<b>325.36</b>	<b>1638.65</b>	<b>500.08</b>	<b>4063.42</b>	<b>3534.44</b>	<b>496.81</b>	<b>10674.42</b>
<b>2010 Total Labor Hours</b>	<b>1.50</b>	<b>0.00</b>	<b>0.00</b>	<b>1.50</b>	<b>28.10</b>	<b>12.00</b>	<b>33.00</b>	<b>35.10</b>	<b>20.10</b>	<b>131.30</b>
<b>2010 Total Direct Labor Cost (\$)</b>	<b>101.07</b>	<b>0.00</b>	<b>0.00</b>	<b>71.07</b>	<b>1185.54</b>	<b>436.92</b>	<b>987.69</b>	<b>902.07</b>	<b>446.42</b>	<b>4130.78</b>
<b>2011 Total Labor Hours</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>21</b>	<b>4</b>	<b>26</b>	<b>41</b>	<b>19</b>	<b>118</b>
<b>2011 Total Direct Labor Cost (\$)</b>	<b>\$ 312.31</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 97.60</b>	<b>\$ 912.57</b>	<b>\$ 150.01</b>	<b>\$ 801.53</b>	<b>\$ 1,085.31</b>	<b>\$ 434.65</b>	<b>\$ 3,793.97</b>
<b>TOTAL LABOR HOURS</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>89</b>	<b>30</b>	<b>197</b>	<b>216</b>	<b>62</b>	<b>613</b>
<b>TOTAL DIRECT LABOR COST</b>	<b>\$ 529</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 494</b>	<b>\$ 3,737</b>	<b>\$ 1,087</b>	<b>\$ 5,853</b>	<b>\$ 5,522</b>	<b>\$ 1,378</b>	<b>\$ 18,599</b>

Contract/Project administrative hours would include (subject to contract allowability) but not necessarily be limited to the following activities:

- 1) Work Plan Development
  - Conflict of Interest
  - Develop budget schedules & supporting documentation
- 2) Review work assignment (WA) progress
  - Conduct progress reviews
  - Prepare monthly project report
  - Update WA progress schedule
  - Prepare monthly M/WBE Utilization Report
- 3) Review WA costs
  - Prepare monthly cost control report
  - Cost control reviews

Contract/Project administration hours would not include activities such as:

- 1) QA/QC reviews
- 2) Technical oversight by management
- 3) Develop subcontracts
- 4) CAP Preparation
  - Oversee and prepare monthly CAP
  - Respond to payment issues/disallowances
  - NSPE list updates
  - Equipment Inventory
- 5) Manage subcontracts
- 6) Implement and manage program management and staffing plans
- 7) Conduct Health and Safety Reviews
- 8) Word processing and graphic artists
- 9) Report editing
- 10) Review of deliverables

Schedule 2.11(b-1)  
 Direct Administrative Labor Hours Budgeted

GRADE LEVEL	IX	VIII	VII	VI	V	IV	III	II	I	TOTAL
2008 Rates	\$64.90	\$55.94	\$48.69	\$45.64	\$40.64	\$35.08	\$28.83	\$24.75	\$21.40	
2009 Rates	\$66.09	\$56.97	\$49.58	\$46.48	\$41.38	\$35.72	\$29.36	\$25.21	\$21.79	
2010 Rates	\$67.38	\$58.07	\$50.55	\$47.38	\$42.19	\$36.41	\$29.93	\$25.70	\$22.21	
2011 Rates	\$69.40	\$59.81	\$52.07	\$48.80	\$43.46	\$37.50	\$30.83	\$26.47	\$22.88	
2012 Rates	\$71.48	\$61.61	\$53.63	\$50.27	\$44.76	\$38.63	\$31.75	\$27.27	\$23.56	
<b>Task 1 - IMC Magnetics - 130043A</b>										
2009 Hours	0.00	0.00	0.00	0.00	0.80	0.00	0.30	0.60	0.30	2.00
2010 Hours	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.30	0.30	0.90
2011 Hours	0.25	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	3.25
<b>Total Hours</b>	<b>0.25</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.10</b>	<b>0.00</b>	<b>0.30</b>	<b>1.90</b>	<b>1.60</b>	<b>6.15</b>
2009 Labor Cost	0.00	0.00	0.00	0.00	33.10	0.00	8.81	15.13	6.54	63.58
2010 Labor Cost	0.00	0.00	0.00	0.00	12.66	0.00	0.00	7.71	6.66	27.03
2011 Labor Cost	\$ 17.35	\$ -	\$ -	\$ -	\$ 43.46	\$ -	\$ -	\$ 26.47	\$ 22.88	\$ 110.15
<b>Total Labor Cost</b>	<b>\$ 17.35</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 89.22</b>	<b>\$ -</b>	<b>\$ 8.81</b>	<b>\$ 49.31</b>	<b>\$ 36.08</b>	<b>\$ 200.76</b>
<b>Task 2 - Atlas Graphics - 130043B</b>										
2009 Hours	0.00	0.00	0.00	0.00	0.80	0.00	0.30	0.60	0.30	2.00
2010 Hours	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.30	0.30	0.90
2011 Hours	0.25	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	3.25
<b>Total Hours</b>	<b>0.25</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.10</b>	<b>0.00</b>	<b>0.30</b>	<b>1.90</b>	<b>1.60</b>	<b>6.15</b>
2009 Labor Cost	0.00	0.00	0.00	0.00	33.10	0.00	8.81	15.13	6.54	63.58
2010 Labor Cost	0.00	0.00	0.00	0.00	12.66	0.00	0.00	7.71	6.66	27.03
2011 Labor Cost	\$ 17.35	\$ -	\$ -	\$ -	\$ 43.46	\$ -	\$ -	\$ 26.47	\$ 22.88	\$ 110.15
<b>Total Labor Cost</b>	<b>\$ 17.35</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 89.22</b>	<b>\$ -</b>	<b>\$ 8.81</b>	<b>\$ 49.31</b>	<b>\$ 36.08</b>	<b>\$ 200.76</b>
<b>Task 3 - Tishcon Corp (125 State Street) - 130043C</b>										
2009 Hours	0.00	0.00	0.00	0.00	0.80	0.00	0.30	0.60	0.30	2.00
2010 Hours	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.30	0.30	0.90
2011 Hours	1.00	0.00	0.00	0.00	2.00	0.00	0.00	2.00	2.00	7.00
<b>Total Hours</b>	<b>1.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>3.10</b>	<b>0.00</b>	<b>0.30</b>	<b>2.90</b>	<b>2.60</b>	<b>9.90</b>
2009 Labor Cost	0.00	0.00	0.00	0.00	33.10	0.00	8.81	15.13	6.54	63.58
2010 Labor Cost	0.00	0.00	0.00	0.00	12.66	0.00	0.00	7.71	6.66	27.03
2011 Labor Cost	\$ 69.40	\$ -	\$ -	\$ -	\$ 86.91	\$ -	\$ -	\$ 52.94	\$ 45.75	\$ 255.01
<b>Total Labor Cost</b>	<b>\$ 69.40</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 132.67</b>	<b>\$ -</b>	<b>\$ 8.81</b>	<b>\$ 75.78</b>	<b>\$ 58.95</b>	<b>\$ 345.61</b>
<b>Task 4 - Former Tishcon Corp - 130043F</b>										
2009 Hours	0.00	0.00	0.00	0.00	0.80	0.00	0.30	0.60	0.30	2.00
2010 Hours	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.30	0.30	0.90
2011 Hours	0.25	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	3.25
<b>Total Hours</b>	<b>0.25</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.10</b>	<b>0.00</b>	<b>0.30</b>	<b>1.90</b>	<b>1.60</b>	<b>6.15</b>
2009 Labor Cost	0.00	0.00	0.00	0.00	33.10	0.00	8.81	15.13	6.54	63.58
2010 Labor Cost	0.00	0.00	0.00	0.00	12.66	0.00	0.00	7.71	6.66	27.03
2011 Labor Cost	\$ 17.35	\$ -	\$ -	\$ -	\$ 43.46	\$ -	\$ -	\$ 26.47	\$ 22.88	\$ 110.15
<b>Total Labor Cost</b>	<b>\$ 17.35</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 89.22</b>	<b>\$ -</b>	<b>\$ 8.81</b>	<b>\$ 49.31</b>	<b>\$ 36.08</b>	<b>\$ 200.76</b>
<b>Task 5 - Former Laka Industries, Inc - 130043K</b>										
2009 Hours	0.00	0.00	0.00	0.00	0.80	0.00	0.30	0.60	0.30	2.00
2010 Hours	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.30	0.30	0.90
2011 Hours	0.25	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	3.25
<b>Total Hours</b>	<b>0.25</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.10</b>	<b>0.00</b>	<b>0.30</b>	<b>1.90</b>	<b>1.60</b>	<b>6.15</b>
2009 Labor Cost	0.00	0.00	0.00	0.00	33.10	0.00	8.81	15.13	6.54	63.58
2010 Labor Cost	0.00	0.00	0.00	0.00	12.66	0.00	0.00	7.71	6.66	27.03
2011 Labor Cost	\$ 17.35	\$ -	\$ -	\$ -	\$ 43.46	\$ -	\$ -	\$ 26.47	\$ 22.88	\$ 110.15
<b>Total Labor Cost</b>	<b>\$ 17.35</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 89.22</b>	<b>\$ -</b>	<b>\$ 8.81</b>	<b>\$ 49.31</b>	<b>\$ 36.08</b>	<b>\$ 200.76</b>

Schedule 2.11(b-1)  
 Direct Administrative Labor Hours Budgeted

GRADE LEVEL	IX	VIII	VII	VI	V	IV	III	II	I	TOTAL
2008 Rates	\$64.90	\$55.94	\$48.69	\$45.64	\$40.64	\$35.08	\$28.83	\$24.75	\$21.40	
2009 Rates	\$66.09	\$56.97	\$49.58	\$46.48	\$41.38	\$35.72	\$29.36	\$25.21	\$21.79	
2010 Rates	\$67.38	\$58.07	\$50.55	\$47.38	\$42.19	\$36.41	\$29.93	\$25.70	\$22.21	
2011 Rates	\$69.40	\$59.81	\$52.07	\$48.80	\$43.46	\$37.50	\$30.83	\$26.47	\$22.88	
2012 Rates	\$71.48	\$61.61	\$53.63	\$50.27	\$44.76	\$38.63	\$31.75	\$27.27	\$23.56	
<b>Task 6 - EZ-EM, Inc - 130043N</b>										
2009 Hours	0.00	0.00	0.00	0.00	0.80	0.00	0.30	0.60	0.30	2.00
2010 Hours	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.30	0.30	0.90
2011 Hours	0.25	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	3.25
<b>Total Hours</b>	<b>0.25</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.10</b>	<b>0.00</b>	<b>0.30</b>	<b>1.90</b>	<b>1.60</b>	<b>6.15</b>
2009 Labor Cost	0.00	0.00	0.00	0.00	33.10	0.00	8.81	15.13	6.54	63.58
2010 Labor Cost	0.00	0.00	0.00	0.00	12.66	0.00	0.00	7.71	6.66	27.03
2011 Labor Cost	\$ 17.35	\$ -	\$ -	\$ -	\$ 43.46	\$ -	\$ -	\$ 26.47	\$ 22.88	\$ 110.15
<b>Total Labor Cost</b>	<b>\$ 17.35</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 89.22</b>	<b>\$ -</b>	<b>\$ 8.81</b>	<b>\$ 49.31</b>	<b>\$ 36.08</b>	<b>\$ 200.76</b>
<b>Task 7 - Tishcon Corp (New York Ave) - 130043V</b>										
2009 Hours	0.00	0.00	0.00	0.00	0.80	0.00	0.60	0.60	0.00	2.00
2010 Hours	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.30	0.30	0.90
2011 Hours	0.25	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	3.25
<b>Total Hours</b>	<b>0.25</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.10</b>	<b>0.00</b>	<b>0.60</b>	<b>1.90</b>	<b>1.30</b>	<b>6.15</b>
2009 Labor Cost	0.00	0.00	0.00	0.00	33.10	0.00	17.62	15.13	0.00	65.85
2010 Labor Cost	0.00	0.00	0.00	0.00	12.66	0.00	0.00	7.71	6.66	27.03
2011 Labor Cost	\$ 17.35	\$ -	\$ -	\$ -	\$ 43.46	\$ -	\$ -	\$ 26.47	\$ 22.88	\$ 110.15
<b>Total Labor Cost</b>	<b>\$ 17.35</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 89.22</b>	<b>\$ -</b>	<b>\$ 17.62</b>	<b>\$ 49.31</b>	<b>\$ 29.54</b>	<b>\$ 203.03</b>
<b>2009 Total Labor Hours</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.60</b>	<b>0.00</b>	<b>2.40</b>	<b>4.20</b>	<b>1.80</b>	<b>14.00</b>
<b>2009 Total Direct Labor Cost (\$)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>231.73</b>	<b>0.00</b>	<b>70.46</b>	<b>105.88</b>	<b>39.22</b>	<b>447.30</b>
<b>2010 Total Labor Hours</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.10</b>	<b>0.00</b>	<b>0.00</b>	<b>2.10</b>	<b>2.10</b>	<b>6.30</b>
<b>2010 Total Direct Labor Cost (\$)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>88.60</b>	<b>0.00</b>	<b>0.00</b>	<b>53.97</b>	<b>46.64</b>	<b>189.21</b>
<b>2011 Total Labor Hours</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>8</b>	<b>27</b>
<b>2011 Total Direct Labor Cost (\$)</b>	<b>\$ 173.50</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 347.65</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 211.77</b>	<b>\$ 183.01</b>	<b>\$ 915.93</b>
<b>TOTAL LABOR HOURS</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>2</b>	<b>14</b>	<b>12</b>	<b>47</b>
<b>TOTAL DIRECT LABOR COST</b>	<b>\$ 174</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 668</b>	<b>\$ -</b>	<b>\$ 70</b>	<b>\$ 372</b>	<b>\$ 269</b>	<b>\$ 1,552</b>

Contract/Project administrative hours would include (subject to contract allowability) but not necessarily be limited to the following activities:

- 1) Work Plan Development
  - Conflict of Interest
  - Develop budget schedules & supporting documentation
- 2) Review work assignment (WA) progress
  - Conduct progress reviews
  - Prepare monthly project report
  - Update WA progress schedule
  - Prepare monthly M/VBE Utilization Repo
- 3) Review WA costs
  - Prepare monthly cost control report
  - Cost control reviews

Contract/Project administration hours would not include activities such as:

- 1) QA/QC reviews
- 2) Technical oversight by management
- 3) Develop subcontracts
- 4) CAP Preparation
  - Oversee and prepare monthly CAP
  - Respond to payment issues/disallowances
  - NSPE list updates
  - Equipment Inventory
- 5) Manage subcontracts
- 6) Implement and manage program management and staffing plans
- 7) Conduct Health and Safety Reviews
- 8) Word processing and graphic artists
- 9) Report editing
- 10) Review of deliverables

Engineer: Mactec Engineering and Consulting

Date Prepared: 11/19/2010

Contract Number: D004434

Project Name: New Cassel Industrial Area - Site #130043

Work Assignment Number: D004434-31.1

**Schedule 2.11(c)  
Direct Non-Salary Costs**

Item	Maximum Reimbursement Rate	Unit	Estimated No. of Units	Total Estimated Cost
<b>A) Sample Analysis Rates (In-House Cost Only)</b>				
1) Groundwater	\$0.00	each	0	\$0.00
2) Soil Vapor	\$0.00	each	0	\$0.00
3) Sub-slab samples	\$0.00	each	0	\$0.00
<b>TOTAL</b>				<b>\$0.00</b>
<b>B) Miscellaneous</b>				
1) TRAVEL				
Lodging	\$ 155.33	night+taxes	23	\$3,572.68
Meals and Incidentals <sup>1</sup>	\$ 66.00	day	23	\$1,518.00
Car Rental	\$ 52.99	day	9	\$476.91
Cargo Van Rental	\$ 69.85	day	6	\$419.10
Mileage	\$ 0.445	mile	0	\$0.00
LVE	\$ 10	person/day	23	\$230.00
Parking and Tolls	\$ 63.00	LS	1	\$63.00
Gas	Actual Costs	N/A	N/A	\$0.00
Air Fare	\$ -	avg. RT price	0	\$0.00
<b>TOTAL</b>				<b>\$6,279.69</b>
2) CONSULTANT OTHER DIRECT COSTS				
Printing/Photocopy	\$0.05	page	0	\$0.00
CAD Computer	\$7.50	hour	0	\$0.00
Telephone & Fax	Actual Costs	N/A	N/A	\$0.00
Shipping	Actual Costs	N/A	N/A	\$210.00
Consumables <sup>2</sup>	Actual Costs	N/A	N/A	\$0.00
Other	\$0.00	N/A	N/A	\$0.00
<b>TOTAL</b>				<b>\$210.00</b>
<b>Total ODCs</b>				<b>\$6,490</b>

Notes:

- Total estimated cost for Meals and Incidentals adjusted to account for travel days.
- See d(5) sheets.

**Engineer: Mactec Engineering and Consulting**  
**Contract Number: D004434**  
**Project Name: New Cassel Industrial Area - Site #130043**  
**Work Assignment Number: D004434-31.1**

**Date Prepared:**

**11/19/2010**

**Schedule 2.11(d) 3**  
**Maximum Reimbursement Rates for Vendor Rented Equipment**

(1) Item	(2) Task No.	(3) Max. Reimbursement Rate (\$)*	(4) Est. Usage (Unit of Time) +	(5) Est. Rental Cost (\$) (Col. 3 x 4)
Shop Vac	1	\$ 40.00	1 d	\$ -
RAE Parts-per-Billion Surveyor	1	\$ 106.25	1 d	\$ 40.00
Impact Driver-Drill	1	\$ 50.00	1 d	\$ 106.25
Helium Tank	1	\$ 200.00	1 d	\$ 50.00
RadioDetection Helium Detector	1	\$ 150.00	1 d	\$ 200.00
				\$ 150.00
Shop Vac	2	\$ 40.00	1 d	\$ -
RAE Parts-per-Billion Surveyor	2	\$ 106.25	1 d	\$ 40.00
Impact Driver-Drill	2	\$ 50.00	1 d	\$ 106.25
Helium Tank	2	\$ 200.00	1 d	\$ 50.00
RadioDetection Helium Detector	2	\$ 150.00	1 d	\$ 200.00
				\$ 150.00
Shop Vac	3	\$ 40.00	1 d	\$ -
RAE Parts-per-Billion Surveyor	3	\$ 106.25	1 d	\$ 40.00
Impact Driver-Drill	3	\$ 50.00	1 d	\$ 106.25
Helium Tank	3	\$ 200.00	1 d	\$ 50.00
RadioDetection Helium Detector	3	\$ 150.00	1 d	\$ 200.00
				\$ 150.00
Shop Vac	4	\$ 40.00	1 d	\$ -
RAE Parts-per-Billion Surveyor	4	\$ 106.25	1 d	\$ 40.00
Impact Driver-Drill	4	\$ 50.00	1 d	\$ 106.25
Helium Tank	4	\$ 200.00	1 d	\$ 50.00
RadioDetection Helium Detector	4	\$ 150.00	1 d	\$ 200.00
				\$ 150.00
				\$ -

**Engineer: Mactec Engineering and Consulting**  
**Contract Number: D004434**  
**Project Name: New Cassel Industrial Area - Site #130043**  
**Work Assignment Number: D004434-31.1**

**Date Prepared:**

**11/19/2010**

**Schedule 2.11(d) 3**  
**Maximum Reimbursement Rates for Vendor Rented Equipment**

(1) Item	(2) Task No.	(3) Max. Reimbursement Rate (\$)*	(4) Est. Usage (Unit of Time) +	(5) Est. Rental Cost (\$) (Col. 3 x 4)
Shop Vac	5	\$ 40.00	1 d	\$ 40.00
RAE Parts-per-Billion Surveyor	5	\$ 106.25	1 d	\$ 106.25
Impact Driver-Drill	5	\$ 50.00	1 d	\$ 50.00
Helium Tank	5	\$ 200.00	1 d	\$ 200.00
RadioDetection Helium Detector	5	\$ 150.00	1 d	\$ 150.00
Shop Vac	6	\$ 40.00	1 d	\$ 40.00
RAE Parts-per-Billion Surveyor	6	\$ 106.25	1 d	\$ 106.25
Impact Driver-Drill	6	\$ 50.00	1 d	\$ 50.00
Helium Tank	6	\$ 200.00	1 d	\$ 200.00
RadioDetection Helium Detector	6	\$ 150.00	1 d	\$ 150.00
Shop Vac	7	\$ 40.00	1 d	\$ 40.00
RAE Parts-per-Billion Surveyor	7	\$ 106.25	1 d	\$ 106.25
Impact Driver-Drill	7	\$ 50.00	1 d	\$ 50.00
Helium Tank	7	\$ 200.00	1 d	\$ 200.00
RadioDetection Helium Detector	7	\$ 150.00	1 d	\$ 150.00
<b>Total Vendor Rented Equipment</b>				<b>\$ 3,824</b>

**Notes:**

\* Reimbursement will be made at the Maximum Reimbursement rate or the actual rental rate, whichever is less.

+ Usage time includes shipping to and from site.

✓  
*No change*



**Schedule 2.11(d) 5  
Consumable Supplies**

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/2010

Task 1 - IMC Magnetics - 130043A

Item	Estimated Quantity	Unit Cost (\$)	Unit	Total Budgeted Cost (\$) (Col. 2 x 3)
FIELD BOOK - HARDCOVER		\$ 10.50	EACH	\$ -
TOPOGRAPHIC MAPS		\$ 8.25	EACH	\$ -
AERIAL PHOTOGRAPHS		\$ 6.50	EACH	\$ -
GC Standards		\$ 35.00	EACH	\$ -
MISCELLANEOUS	2	\$ 50.00	EACH	\$ 100.00
FILM AND DEVELOPMENT		\$ 15.00		\$ -
<b>TOTAL COST:</b>				<b>\$ 100.00</b>
2 OZ SOIL JAR		\$ 2.13	EACH	\$ -
4 OZ SOIL JAR		\$ 2.69	EACH	\$ -
40 ML GLASS VIAL		\$ 1.33	EACH	\$ -
ACETONE, PESTICIDE GRADE		\$ 34.98	LITER	\$ -
BUBBLE PACK	20	\$ 0.16	FOOT	\$ 3.20
CAUTION TAPE	1	\$ 17.30	ROLL	\$ 17.30
DEIONIZED WATER	1	\$ 2.29	GALLON	\$ 2.29
DISPOSABLE BAILER		\$ 7.65	EACH	\$ -
DISPOSABLE INLINE FILTER		\$ 14.14	EACH	\$ -
DRAEGER TUBE		\$ 5.70	EACH	\$ -
EYE WASH BOTTLES - DISPOSABLE		\$ 5.64	EACH	\$ -
FIELD BOOK	1	\$ 7.47	EACH	\$ 7.47
FLAGGING		\$ 1.11	ROLL	\$ -
GRADE STAKES		\$ 12.36	BUNDLE	\$ -
HEXANE, PESTICIDE GRADE		\$ 38.06	LITER	\$ -
LIQUINOX	0.1	\$ 23.42	GALLON	\$ 2.34
METHANOL		\$ 28.89	LITER	\$ -
NITRIC ACID		\$ 47.00	500 mL	\$ -
PLASTIC SHEETING	1	\$ 34.06	ROLL	\$ 34.06
PLASTIC TUB		\$ 16.66	EACH	\$ -
RECORDABLE CD MEDIA		\$ 9.00	EACH	\$ -
TAPE DISPENSER	1	\$ 6.80	EACH	\$ 6.80
TEFLON COATED BAILER LINE		\$ 0.89	FOOT	\$ -
TUBING - PVC -CLEAR		\$ 0.33	FOOT	\$ -
TUBING - PVC - REINFORCED		\$ 0.57	FOOT	\$ -
TUBING - TEFLON/SILICON	12	\$ 3.22	FOOT	\$ 38.64
<b>SUBTOTAL:</b>				<b>\$ 112.10</b>
<b>Personal Protective Equipment</b>				
BOOTIES		\$ 2.57	PAIR	\$ -
COVERALLS		\$ 1.28	EACH	\$ -
COVERALLS, INSULATED	2	\$ 5.74	EACH	\$ 11.48
EAR PLUGS	2	\$ 0.15	PAIR	\$ 0.30
GLOVES - NITRILE		\$ 1.34	PAIR	\$ -
GLOVES - VITON *		\$ 54.00	PAIR	\$ -
GLOVES - COTTON LINERS		\$ 0.33	PAIR	\$ -
GLOVES - DISPOSABLE, VINYL	10	\$ 0.36	PAIR	\$ 3.60
GLOVES - SILVER SHIELD		\$ 4.15	PAIR	\$ -
PACKING/DUCT TAPE	1	\$ 4.27	ROLL	\$ 4.27
RESPIRATOR CARTRIDGES		\$ 17.25	PAIR	\$ -
TYVEK SUIT - POLY COATED		\$ 4.10	SUIT	\$ -
<b>SUBTOTAL:</b>				<b>\$ 19.65</b>
<b>TOTAL CONSUMABLE SUPPLIES</b>				<b>TOTAL COST: \$ 232</b>

**Notes:**

- \* Rates are in accordance with Table 2.10(c)5 of contract.
- \*\* Shall only be used on a case by case basis subject to DEC project manager approval.

*No Change*

**Schedule 2.11(d) 5  
Consumable Supplies**

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/2010

Task 2 - Atlas Graphics - 130043B

Item	Estimated Quantity	Unit Cost (\$)	Unit	Total Budgeted Cost (\$) (Col. 2 x 3)
TOPOGRAPHIC MAPS		\$ 8.25	EACH	\$ -
AERIAL PHOTOGRAPHS		\$ 6.50	EACH	\$ -
GC Standards		\$ 35.00	EACH	\$ -
MISCELLANEOUS	2	\$ 50.00	EACH	\$ 100.00
FILM AND DEVELOPMENT		\$ 15.00		\$ -
<b>TOTAL COST:</b>				<b>\$ 100.00</b>
2 OZ SOIL JAR		\$ 2.13	EACH	\$ -
4 OZ SOIL JAR		\$ 2.69	EACH	\$ -
40 ML GLASS VIAL		\$ 1.33	EACH	\$ -
ACETONE, PESTICIDE GRADE		\$ 34.98	LITER	\$ -
BUBBLE PACK	20	\$ 0.16	FOOT	\$ 3.20
CAUTION TAPE	1	\$ 17.30	ROLL	\$ 17.30
DEIONIZED WATER	1	\$ 2.29	GALLON	\$ 2.29
DISPOSABLE BAILER		\$ 7.65	EACH	\$ -
DISPOSABLE INLINE FILTER		\$ 14.14	EACH	\$ -
DRAEGER TUBE		\$ 5.70	EACH	\$ -
EYE WASH BOTTLES - DISPOSABLE		\$ 5.64	EACH	\$ -
FIELD BOOK	1	\$ 7.47	EACH	\$ 7.47
FLAGGING		\$ 1.11	ROLL	\$ -
GRADE STAKES		\$ 12.36	BUNDLE	\$ -
HEXANE, PESTICIDE GRADE		\$ 38.06	LITER	\$ -
LIQUINOX	0.1	\$ 23.42	GALLON	\$ 2.34
METHANOL		\$ 28.89	LITER	\$ -
NITRIC ACID		\$ 47.00	500 mL	\$ -
PLASTIC SHEETING	1	\$ 34.06	ROLL	\$ 34.06
PLASTIC TUB		\$ 16.66	EACH	\$ -
RECORDABLE CD MEDIA		\$ 9.00	EACH	\$ -
TAPE DISPENSER	1	\$ 6.80	EACH	\$ 6.80
TEFLON COATED BAILER LINE		\$ 0.89	FOOT	\$ -
TUBING - PVC - CLEAR		\$ 0.33	FOOT	\$ -
TUBING - PVC - REINFORCED		\$ 0.57	FOOT	\$ -
TUBING - TEFLON/SILICON	12	\$ 3.22	FOOT	\$ 38.64
<b>SUBTOTAL:</b>				<b>\$ 112.10</b>
<b>Personal Protective Equipment</b>				
BOOTIES		\$ 2.57	PAIR	\$ -
COVERALLS		\$ 1.28	EACH	\$ -
COVERALLS, INSULATED	2	\$ 5.74	EACH	\$ 11.48
EAR PLUGS	2	\$ 0.15	PAIR	\$ 0.30
GLOVES - NITRILE		\$ 1.34	PAIR	\$ -
GLOVES - VITON *		\$ 54.00	PAIR	\$ -
GLOVES - COTTON LINERS		\$ 0.33	PAIR	\$ -
GLOVES - DISPOSABLE, VINYL	10	\$ 0.36	PAIR	\$ 3.60
GLOVES - SILVER SHIELD		\$ 4.15	PAIR	\$ -
PACKING/DUCT TAPE	1	\$ 4.27	ROLL	\$ 4.27
RESPIRATOR CARTRIDGES		\$ 17.25	PAIR	\$ -
TYVEK SUIT - POLY COATED		\$ 4.10	SUIT	\$ -
<b>SUBTOTAL:</b>				<b>\$ 19.65</b>
<b>TOTAL CONSUMABLE SUPPLIES</b>				<b>TOTAL COST: \$ 232</b>

**Notes:**

- \* Rates are in accordance with Table 2.10(c)5 of contract.
- \*\* Shall only be used on a case by case basis subject to DEC project manager approval.

*No change*

**Schedule 2.11(d) 5  
Consumable Supplies**

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/2010

Task 3 - Tishcon Corp. (125 State Street) - 13(

Item	Estimated Quantity	Unit Cost (\$)	Unit	Total Budgeted Cost (\$) (Col. 2 x 3)
TOPOGRAPHIC MAPS		\$ 8.25	EACH	\$ -
AERIAL PHOTOGRAPHS		\$ 6.50	EACH	\$ -
GC Standards		\$ 35.00	EACH	\$ -
MISCELLANEOUS	2	\$ 50.00	EACH	\$ 100.00
FILM AND DEVELOPMENT		\$ 15.00		\$ -
<b>TOTAL COST:</b>				<b>\$ 100.00</b>
2 OZ SOIL JAR		\$ 2.13	EACH	\$ -
4 OZ SOIL JAR		\$ 2.69	EACH	\$ -
40 ML GLASS VIAL		\$ 1.33	EACH	\$ -
ACETONE, PESTICIDE GRADE		\$ 34.98	LITER	\$ -
BUBBLE PACK	20	\$ 0.16	FOOT	\$ 3.20
CAUTION TAPE	1	\$ 17.30	ROLL	\$ 17.30
DEIONIZED WATER	1	\$ 2.29	GALLON	\$ 2.29
DISPOSABLE BAILER		\$ 7.65	EACH	\$ -
DISPOSABLE INLINE FILTER		\$ 14.14	EACH	\$ -
DRAEGER TUBE		\$ 5.70	EACH	\$ -
EYE WASH BOTTLES - DISPOSABLE		\$ 5.64	EACH	\$ -
FIELD BOOK	1	\$ 7.47	EACH	\$ 7.47
FLAGGING		\$ 1.11	ROLL	\$ -
GRADE STAKES		\$ 12.36	BUNDLE	\$ -
HEXANE, PESTICIDE GRADE		\$ 38.06	LITER	\$ -
LIQUINOX	0.1	\$ 23.42	GALLON	\$ 2.34
METHANOL		\$ 28.89	LITER	\$ -
NITRIC ACID		\$ 47.00	500 mL	\$ -
PLASTIC SHEETING	1	\$ 34.06	ROLL	\$ 34.06
PLASTIC TUB		\$ 16.66	EACH	\$ -
RECORDABLE CD MEDIA		\$ 9.00	EACH	\$ -
TAPE DISPENSER	1	\$ 6.80	EACH	\$ 6.80
TEFLON COATED BAILER LINE		\$ 0.89	FOOT	\$ -
TUBING - PVC -CLEAR		\$ 0.33	FOOT	\$ -
TUBING - PVC - REINFORCED		\$ 0.57	FOOT	\$ -
TUBING - TEFLON/SILICON	12	\$ 3.22	FOOT	\$ 38.64
<b>SUBTOTAL:</b>				<b>\$ 112.10</b>
<b>Personal Protective Equipment</b>				
BOOTIES		\$ 2.57	PAIR	\$ -
COVERALLS		\$ 1.28	EACH	\$ -
COVERALLS, INSULATED	2	\$ 5.74	EACH	\$ 11.48
EAR PLUGS	2	\$ 0.15	PAIR	\$ 0.30
GLOVES - NITRILE		\$ 1.34	PAIR	\$ -
GLOVES - VITON *		\$ 54.00	PAIR	\$ -
GLOVES - COTTON LINERS		\$ 0.33	PAIR	\$ -
GLOVES - DISPOSABLE, VINYL	10	\$ 0.36	PAIR	\$ 3.60
GLOVES - SILVER SHIELD		\$ 4.15	PAIR	\$ -
PACKING/DUCT TAPE	1	\$ 4.27	ROLL	\$ 4.27
RESPIRATOR CARTRIDGES		\$ 17.25	PAIR	\$ -
TYVEK SUIT - POLY COATED		\$ 4.10	SUIT	\$ -
<b>SUBTOTAL:</b>				<b>\$ 19.65</b>
<b>TOTAL CONSUMABLE SUPPLIES</b>				<b>TOTAL COST: \$ 232</b>

✓ No change

**Notes:**

- \* Rates are in accordance with Table 2.10(c)5 of contract.
- \*\* Shall only be used on a case by case basis subject to DEC project manager approval.

**Schedule 2.11(d) 5  
Consumable Supplies**

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/2010

Task 4 - Former Tishcon Corp - 130043F

Item	Estimated Quantity	Unit Cost (\$)	Unit	Total Budgeted Cost (\$) (Col. 2 x 3)
TOPOGRAPHIC MAPS		\$ 8.25	EACH	\$ -
AERIAL PHOTOGRAPHS		\$ 6.50	EACH	\$ -
GC Standards		\$ 35.00	EACH	\$ -
MISCELLANEOUS	2	\$ 50.00	EACH	\$ 100.00
FILM AND DEVELOPMENT		\$ 15.00		\$ -
<b>TOTAL COST:</b>				<b>\$ 100.00</b>
2 OZ SOIL JAR		\$ 2.13	EACH	\$ -
4 OZ SOIL JAR		\$ 2.69	EACH	\$ -
40 ML GLASS VIAL		\$ 1.33	EACH	\$ -
ACETONE, PESTICIDE GRADE		\$ 34.98	LITER	\$ -
BUBBLE PACK	20	\$ 0.16	FOOT	\$ 3.20
CAUTION TAPE	1	\$ 17.30	ROLL	\$ 17.30
DEIONIZED WATER	1	\$ 2.29	GALLON	\$ 2.29
DISPOSABLE BAILER		\$ 7.65	EACH	\$ -
DISPOSABLE INLINE FILTER		\$ 14.14	EACH	\$ -
DRAEGER TUBE		\$ 5.70	EACH	\$ -
EYE WASH BOTTLES - DISPOSABLE		\$ 5.64	EACH	\$ -
FIELD BOOK	1	\$ 7.47	EACH	\$ 7.47
FLAGGING		\$ 1.11	ROLL	\$ -
GRADE STAKES		\$ 12.36	BUNDLE	\$ -
HEXANE, PESTICIDE GRADE		\$ 38.06	LITER	\$ -
LIQUINOX	0.1	\$ 23.42	GALLON	\$ 2.34
METHANOL		\$ 28.89	LITER	\$ -
NITRIC ACID		\$ 47.00	500 mL	\$ -
PLASTIC SHEETING	1	\$ 34.06	ROLL	\$ 34.06
PLASTIC TUB		\$ 16.66	EACH	\$ -
RECORDABLE CD MEDIA		\$ 9.00	EACH	\$ -
TAPE DISPENSER	1	\$ 6.80	EACH	\$ 6.80
TEFLON COATED BAILER LINE		\$ 0.89	FOOT	\$ -
TUBING - PVC - CLEAR		\$ 0.33	FOOT	\$ -
TUBING - PVC - REINFORCED		\$ 0.57	FOOT	\$ -
TUBING - TEFLON/SILICON	12	\$ 3.22	FOOT	\$ 38.64
<b>SUBTOTAL:</b>				<b>\$ 112.10</b>
<b>Personal Protective Equipment</b>				
BOOTIES		\$ 2.57	PAIR	\$ -
COVERALLS		\$ 1.28	EACH	\$ -
COVERALLS, INSULATED	2	\$ 5.74	EACH	\$ 11.48
EAR PLUGS	2	\$ 0.15	PAIR	\$ 0.30
GLOVES - NITRILE		\$ 1.34	PAIR	\$ -
GLOVES - VITON *		\$ 54.00	PAIR	\$ -
GLOVES - COTTON LINERS		\$ 0.33	PAIR	\$ -
GLOVES - DISPOSABLE, VINYL	10	\$ 0.36	PAIR	\$ 3.60
GLOVES - SILVER SHIELD		\$ 4.15	PAIR	\$ -
PACKING/DUCT TAPE	1	\$ 4.27	ROLL	\$ 4.27
RESPIRATOR CARTRIDGES		\$ 17.25	PAIR	\$ -
TYVEK SUIT - POLY COATED		\$ 4.10	SUIT	\$ -
<b>SUBTOTAL:</b>				<b>\$ 19.65</b>
<b>TOTAL CONSUMABLE SUPPLIES</b>				<b>TOTAL COST: \$ 232</b>

**Notes:**

- \* Rates are in accordance with Table 2.10(c)5 of contract.
- \*\* Shall only be used on a case basis subject to DEC project manager approval.

*No change*

**Schedule 2.11(d) 5  
Consumable Supplies**

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/2010

Task 5 - Former Laka Industries, Inc - 130043

Item	Estimated Quantity	Unit Cost (\$)	Unit	Total Budgeted Cost (\$) (Col. 2 x 3)
TOPOGRAPHIC MAPS		\$ 8.25	EACH	\$ -
AERIAL PHOTOGRAPHS		\$ 6.50	EACH	\$ -
GC Standards		\$ 35.00	EACH	\$ -
MISCELLANEOUS	2	\$ 50.00	EACH	\$ 100.00
FILM AND DEVELOPMENT		\$ 15.00		\$ -
<b>TOTAL COST:</b>				<b>\$ 100.00</b>
2 OZ SOIL JAR		\$ 2.13	EACH	\$ -
4 OZ SOIL JAR		\$ 2.69	EACH	\$ -
40 ML GLASS VIAL		\$ 1.33	EACH	\$ -
ACETONE, PESTICIDE GRADE		\$ 34.98	LITER	\$ -
BUBBLE PACK	20	\$ 0.16	FOOT	\$ 3.20
CAUTION TAPE	1	\$ 17.30	ROLL	\$ 17.30
DEIONIZED WATER	1	\$ 2.29	GALLON	\$ 2.29
DISPOSABLE BAILER		\$ 7.65	EACH	\$ -
DISPOSABLE INLINE FILTER		\$ 14.14	EACH	\$ -
DRAEGER TUBE		\$ 5.70	EACH	\$ -
EYE WASH-BOTTLES - DISPOSABLE		\$ 5.64	EACH	\$ -
FIELD BOOK	1	\$ 7.47	EACH	\$ 7.47
FLAGGING		\$ 1.11	ROLL	\$ -
GRADE STAKES		\$ 12.36	BUNDLE	\$ -
HEXANE, PESTICIDE GRADE		\$ 38.06	LITER	\$ -
LIQUINOX	0.1	\$ 23.42	GALLON	\$ 2.34
METHANOL		\$ 28.89	LITER	\$ -
NITRIC ACID		\$ 47.00	500 mL	\$ -
PLASTIC SHEETING	1	\$ 34.06	ROLL	\$ 34.06
PLASTIC TUB		\$ 16.66	EACH	\$ -
RECORDABLE CD MEDIA		\$ 9.00	EACH	\$ -
TAPE DISPENSER	1	\$ 6.80	EACH	\$ 6.80
TEFLON COATED BAILER LINE		\$ 0.89	FOOT	\$ -
TUBING - PVC -CLEAR		\$ 0.33	FOOT	\$ -
TUBING - PVC - REINFORCED		\$ 0.57	FOOT	\$ -
TUBING - TEFLON/SILICON	12	\$ 3.22	FOOT	\$ 38.64
<b>SUBTOTAL:</b>				<b>\$ 112.10</b>
<b>Personal Protective Equipment</b>				
BOOTIES		\$ 2.57	PAIR	\$ -
COVERALLS		\$ 1.28	EACH	\$ -
COVERALLS, INSULATED	2	\$ 5.74	EACH	\$ 11.48
EAR PLUGS	2	\$ 0.15	PAIR	\$ 0.30
GLOVES - NITRILE		\$ 1.34	PAIR	\$ -
GLOVES - VITON *		\$ 54.00	PAIR	\$ -
GLOVES - COTTON LINERS		\$ 0.33	PAIR	\$ -
GLOVES - DISPOSABLE, VINYL	10	\$ 0.36	PAIR	\$ 3.60
GLOVES - SILVER SHIELD		\$ 4.15	PAIR	\$ -
PACKING/DUCT TAPE	1	\$ 4.27	ROLL	\$ 4.27
RESPIRATOR CARTRIDGES		\$ 17.25	PAIR	\$ -
TYVEK SUIT - POLY COATED		\$ 4.10	SUIT	\$ -
<b>SUBTOTAL:</b>				<b>\$ 19.65</b>
<b>TOTAL CONSUMABLE SUPPLIES</b>				<b>TOTAL COST: \$ 232</b>

**Notes:**

- \* Rates are in accordance with Table 2.10(c)5 of contract.
- \*\* Shall only be used on a case by case basis subject to DEC project manager approval.

*No change*

**Schedule 2.11(d) 5  
Consumable Supplies**

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/2010

Task 6 - EZ-EM, Inc - 130043N

Item	Estimated Quantity	Unit Cost (\$)	Unit	Total Budgeted Cost (\$) (Col. 2 x 3)
TOPOGRAPHIC MAPS		\$ 8.25	EACH	\$ -
AERIAL PHOTOGRAPHS		\$ 6.50	EACH	\$ -
GC Standards		\$ 35.00	EACH	\$ -
MISCELLANEOUS	2	\$ 50.00	EACH	\$ 100.00
FILM AND DEVELOPMENT		\$ 15.00		\$ -
<b>TOTAL COST:</b>				<b>\$ 100.00</b>
2 OZ SOIL JAR		\$ 2.13	EACH	\$ -
4 OZ SOIL JAR		\$ 2.69	EACH	\$ -
40 ML GLASS VIAL		\$ 1.33	EACH	\$ -
ACETONE, PESTICIDE GRADE		\$ 34.98	LITER	\$ -
BUBBLE PACK	20	\$ 0.16	FOOT	\$ 3.20
CAUTION TAPE	1	\$ 17.30	ROLL	\$ 17.30
DEIONIZED WATER	1	\$ 2.29	GALLON	\$ 2.29
DISPOSABLE BAILER		\$ 7.65	EACH	\$ -
DISPOSABLE INLINE FILTER		\$ 14.14	EACH	\$ -
DRAEGER TUBE		\$ 5.70	EACH	\$ -
EYE WASH BOTTLES - DISPOSABLE		\$ 5.64	EACH	\$ -
FIELD BOOK	1	\$ 7.47	EACH	\$ 7.47
FLAGGING		\$ 1.11	ROLL	\$ -
GRADE STAKES		\$ 12.36	BUNDLE	\$ -
HEXANE, PESTICIDE GRADE		\$ 38.06	LITER	\$ -
LIQUINOX	0.1	\$ 23.42	GALLON	\$ 2.34
METHANOL		\$ 28.89	LITER	\$ -
NITRIC ACID		\$ 47.00	500 mL	\$ -
PLASTIC SHEETING	1	\$ 34.06	ROLL	\$ 34.06
PLASTIC TUB		\$ 16.66	EACH	\$ -
RECORDABLE CD MEDIA		\$ 9.00	EACH	\$ -
TAPE DISPENSER	1	\$ 6.80	EACH	\$ 6.80
TEFLON COATED BAILER LINE		\$ 0.89	FOOT	\$ -
TUBING - PVC -CLEAR		\$ 0.33	FOOT	\$ -
TUBING - PVC - REINFORCED		\$ 0.57	FOOT	\$ -
TUBING - TEFLON/SILICON	12	\$ 3.22	FOOT	\$ 38.64
<b>SUBTOTAL:</b>				<b>\$ 112.10</b>
<b>Personal Protective Equipment</b>				
BOOTIES		\$ 2.57	PAIR	\$ -
COVERALLS		\$ 1.28	EACH	\$ -
COVERALLS, INSULATED	2	\$ 5.74	EACH	\$ 11.48
EAR PLUGS	2	\$ 0.15	PAIR	\$ 0.30
GLOVES - NITRILE		\$ 1.34	PAIR	\$ -
GLOVES - VITON *		\$ 54.00	PAIR	\$ -
GLOVES - COTTON LINERS		\$ 0.33	PAIR	\$ -
GLOVES - DISPOSABLE, VINYL	10	\$ 0.36	PAIR	\$ 3.60
GLOVES - SILVER SHIELD		\$ 4.15	PAIR	\$ -
PACKING/DUCT TAPE	1	\$ 4.27	ROLL	\$ 4.27
RESPIRATOR CARTRIDGES		\$ 17.25	PAIR	\$ -
TYVEK SUIT - POLY COATED		\$ 4.10	SUIT	\$ -
<b>SUBTOTAL:</b>				<b>\$ 19.65</b>
<b>TOTAL CONSUMABLE SUPPLIES</b>				<b>TOTAL COST: \$ 232</b>

**Notes:**

- \* Rates are in accordance with Table 2.10(c)5 of contract.
- \*\* Shall only be used on a case by case basis subject to DEC project manager approval.

✓  
*No change*

**Schedule 2.11(d) 5  
Consumable Supplies**

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/2010

Task 7 - Tishcon Corp (New York Ave) - 1300

Item	Estimated Quantity	Unit Cost (\$)	Unit	Total Budgeted Cost (\$) (Col. 2 x 3)
TOPOGRAPHIC MAPS		\$ 8.25	EACH	\$ -
AERIAL PHOTOGRAPHS		\$ 6.50	EACH	\$ -
GC Standards		\$ 35.00	EACH	\$ -
MISCELLANEOUS	2	\$ 50.00	EACH	\$ 100.00
FILM AND DEVELOPMENT		\$ 15.00		\$ -
<b>TOTAL COST:</b>				<b>\$ 100.00</b>
2 OZ SOIL JAR		\$ 2.13	EACH	\$ -
4 OZ SOIL JAR		\$ 2.69	EACH	\$ -
40 ML GLASS VIAL		\$ 1.33	EACH	\$ -
ACETONE, PESTICIDE GRADE		\$ 34.98	LITER	\$ -
BUBBLE PACK	20	\$ 0.16	FOOT	\$ 3.20
CAUTION TAPE	1	\$ 17.30	ROLL	\$ 17.30
DEIONIZED WATER	1	\$ 2.29	GALLON	\$ 2.29
DISPOSABLE BAILER		\$ 7.65	EACH	\$ -
DISPOSABLE INLINE FILTER		\$ 14.14	EACH	\$ -
DRAEGER TUBE		\$ 5.70	EACH	\$ -
EYE WASH BOTTLES - DISPOSABLE		\$ 5.64	EACH	\$ -
FIELD BOOK	1	\$ 7.47	EACH	\$ 7.47
FLAGGING		\$ 1.11	ROLL	\$ -
GRADE STAKES		\$ 12.36	BUNDLE	\$ -
HEXANE, PESTICIDE GRADE		\$ 38.06	LITER	\$ -
LIQUINOX	0.1	\$ 23.42	GALLON	\$ 2.34
METHANOL		\$ 28.89	LITER	\$ -
NITRIC ACID		\$ 47.00	500 mL	\$ -
PLASTIC SHEETING	1	\$ 34.06	ROLL	\$ 34.06
PLASTIC TUB		\$ 16.66	EACH	\$ -
RECORDABLE CD MEDIA		\$ 9.00	EACH	\$ -
TAPE DISPENSER	1	\$ 6.80	EACH	\$ 6.80
TEFLON COATED BAILER LINE		\$ 0.89	FOOT	\$ -
TUBING - PVC -CLEAR		\$ 0.33	FOOT	\$ -
TUBING - PVC - REINFORCED		\$ 0.57	FOOT	\$ -
TUBING - TEFLON/SILICON	12	\$ 3.22	FOOT	\$ 38.64
<b>SUBTOTAL:</b>				<b>\$ 112.10</b>
<b>Personal Protective Equipment</b>				
BOOTIES		\$ 2.57	PAIR	\$ -
COVERALLS		\$ 1.28	EACH	\$ -
COVERALLS, INSULATED	2	\$ 5.74	EACH	\$ 11.48
EAR PLUGS	2	\$ 0.15	PAIR	\$ 0.30
GLOVES - NITRILE		\$ 1.34	PAIR	\$ -
GLOVES - VITON *		\$ 54.00	PAIR	\$ -
GLOVES - COTTON LINERS		\$ 0.33	PAIR	\$ -
GLOVES - DISPOSABLE, VINYL	10	\$ 0.36	PAIR	\$ 3.60
GLOVES - SILVER SHIELD		\$ 4.15	PAIR	\$ -
PACKING/DUCT TAPE	1	\$ 4.27	ROLL	\$ 4.27
RESPIRATOR CARTRIDGES		\$ 17.25	PAIR	\$ -
TYVEK SUIT - POLY COATED		\$ 4.10	SUIT	\$ -
<b>SUBTOTAL:</b>				<b>\$ 19.65</b>
<b>TOTAL CONSUMABLE SUPPLIES</b>				<b>TOTAL COST: \$ 232</b>

✓ No change

**Notes:**

- \* Rates are in accordance with Table 2.10(c)5 of contract.
- \*\* Shall only be used on a case by case basis subject to DEC project manager approval.

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/10

*- No change*

Schedule 2.11(f)  
 Unit Price Subcontracts

Name of Subcontractor		Service	Price	Management Fee
IMC Magnetics - 130043A				
woman owned business				
Centek Laboratory		Lab Services - Air	\$ 1,290	\$ 52
Item	Units	UOM	Unit Cost	Total Cost
Indoor Air - TO15 VOCs	3	\$	\$215	\$ 645.00
SubSlab Air - TO15 VOCs	2	\$	\$215	\$ 430.00
Duplicate or Ambient	1	\$	\$215	\$ 215.00

Subtotal Cost: \$ 1,290  
 Management Fee: \$ 52  
 Total: \$ 1,342 ✓



Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/10

Schedule 2.11(f)  
 Unit Price Subcontracts

*No change*

Atlas Graphics - 130043B				
Name of Subcontractor		Service	Price	Management Fee
woman owned business				
Centek Laboratory		Lab Services - Air	\$ 1,290	\$ 52
Item	Units	UOM	Unit Cost	Total Cost
Indoor Air - TO15 VOCs	3	\$	\$215	\$ 645.00
SubSlab Air - TO15 VOCs	2	\$	\$215	\$ 430.00
Duplicate or Ambient	1	\$	\$215	\$ 215.00

Subtotal Cost: \$ 1,290  
 Management Fee: \$ 52  
 Total: \$ 1,342 ✓

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/10

Schedule 2.11(f)  
 Unit Price Subcontracts

*- No change*

Tishcon Corp (125 State Street) - 130043C			
Name of Subcontractor	Service	Price	Management Fee
woman owned business			
Centek Laboratory	Lab Services - Air	\$ 1,290	\$ 52
Item	Units	UOM	Unit Cost
Indoor Air - TO15 VOCs	3	\$	\$215
SubSlab Air - TO15 VOCs	2	\$	\$215
Duplicate or Ambient	1	\$	\$215
			\$ -
			\$ 645.00
			\$ 430.00
			\$ 215.00

Subtotal Cost: \$ 1,290  
 Management Fee: \$ 52  
 Total: \$ 1,342 ✓

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/10

Schedule 2.11(f)  
 Unit Price Subcontracts

*No change*

Former Tishcon Corp - 130043F				
Name of Subcontractor		Service		Price
woman owned business				
Centek Laboratory		Lab Services - Air		\$ 1,290
				\$ 52
Item	Units	UOM	Unit Cost	Total Cost
Indoor Air - TO15 VOCs	3	\$	\$215	\$ 645.00
SubSlab Air - TO15 VOCs	2	\$	\$215	\$ 430.00
Duplicate or Ambient	1	\$	\$215	\$ 215.00

Subtotal Cost: \$ 1,290  
 Management Fee: \$ 52  
 Total: \$ 1,342 ✓

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/10

Schedule 2.11(f)  
 Unit Price Subcontracts

*- No change*

Former Laka Industries, Inc - 130043K					
Name of Subcontractor		Service		Price	Management Fee
woman owned business					
Centek Laboratory		Lab Services - Air		\$ 1,290	\$ 52
Item	Units	UOM	Unit Cost	Total Cost	
Indoor Air - TO15 VOCs	3	\$	\$215	\$	645.00
SubSlab Air - TO15 VOCs	2	\$	\$215	\$	430.00
Duplicate or Ambient	1	\$	\$215	\$	215.00

Subtotal Cost: \$ 1,290  
 Management Fee: \$ 52  
 Total: \$ 1,342 ✓

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/10

Schedule 2.11(f)  
 Unit Price Subcontracts

*No change*

EZ-EM, Inc - 130043N				
Name of Subcontractor		Service	Price	Management Fee
woman owned business				
Centek Laboratory		Lab Services - Air	\$ 1,290	\$ 52
Item	Units	UOM	Unit Cost	Total Cost
Indoor Air - TO15 VOCs	3	\$	\$215	\$ 645.00
SubSlab Air - TO15 VOCs	2	\$	\$215	\$ 430.00
Duplicate or Ambient	1	\$	\$215	\$ 215.00

Subtotal Cost: \$ 1,290  
 Management Fee: \$ 52  
 Total: \$ 1,342 ✓

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/10

Schedule 2.11(f)  
 Unit Price Subcontracts

*- No change*

Tishcon Corp (New York Ave) - 130043V					
Name of Subcontractor	Service	Price	Management Fee		
woman owned business					
Centek Laboratory	Lab Services - Air	\$ 1,290	\$	52	
Item	Units	UOM	Unit Cost	Total Cost	
Indoor Air - TO15 VOCs	3	\$	\$215	\$	645.00
SubSlab Air - TO15 VOCs	2	\$	\$215	\$	430.00
Duplicate or Ambient	1	\$	\$215	\$	215.00

Subtotal Cost: \$ 1,290  
 Management Fee: \$ 52  
 Total: \$ 1,342 ✓

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/10

Schedule 2.11(f)  
 Unit Price Subcontracts

*- Cont'd work by approved standby sub*

Tishcon Corp (New York Ave) - 130043V					
Name of Subcontractor		Service		Price	Management Fee
woman owned business		Direct Push Geoprobe sampling		\$ 3,695	\$ 148
Aztech					
Item	Units	UOM	Unit Cost	Total Cost	
<b>Geoprobe Subsurface Investigation</b>					
1 Soil boring beneath the building					
Mobilization	1	\$/ls	\$1,215	\$	1,215.00
Direct Push System - Special Access Mounted (ATV Skid)	2	\$/day	\$1,200	\$	2,400.00
Temporary Decon Pad	1	\$/ls	incl		
Cost to supply USDOT 55 gallon drum (solid and/or liquid)	1	\$/ls	\$70	\$	70.00
Concrete	1	\$/bag	10	\$	10.00
<b>Amendment 1 - Increased Direct Push to 2 units (days)</b>					

Subtotal Cost: \$ 3,695  
 Management Fee: \$ 148  
 Total: \$ 3,843 ✓

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/10

Schedule 2.11(f)  
 Unit Price Subcontracts

*- Cont'd work  
 by approved  
 standby  
 sub*

Name of Subcontractor		Service	Price	Management Fee
Tishcon Corp (New York Ave) - 130043V				
minority owned business				
Chemtech		Laboratory Services - Soil Analysis	\$ 352	\$ 14
Item	Units	UOM	Unit Cost	Total Cost
Geoprobe Soil Samples VOCs - 8260 (non-aqueous) # units incl 1 sample, 1 trip blank	4	EA	\$88	\$ 352.00
Amendment 1 - Increased Samples to 4 units (ea)				

Subtotal Cost: \$ 352  
 Management Fee: \$ 14  
 Total: \$ 366 ✓



SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION



Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1  
 Task #/Name: All Tasks  
 Complete: 0.0%

Page: 1 OF 8  
 Date Prepared: 11/19/10  
 Billing Period:  
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completior	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,599	\$ -
2. Indirect Costs 166.6%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,986	\$ -
3. Subtotal Direct Salary Costs and Indirect Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 49,585	\$ -
4. Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,280	\$ -
5. Other Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,656	\$ -
6. Subtotal Direct Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,936	\$ -
7. Subcontractors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,077	\$ -
7a. Management Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 523	\$ -
8. Total Site Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,121	\$ -
9. Fixed Fee 5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,479	\$ -
10. Total Site Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 77,600	\$ -

Program Manager (Engineer) \_\_\_\_\_

Date: \_\_\_\_\_

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1  
 Task #/Name: Task 1 - IMC Magnetics - 130043A  
 Complete: 0.0%

Page: 2 OF 8  
 Date Prepared: 11/19/10  
 Billing Period:  
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completior	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,327	\$ -
2. Indirect Costs 166.6%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,877	\$ -
3. Subtotal Direct Salary Costs and Indirect Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,204	\$ -
4. Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 824	\$ -
5. Other Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808	\$ -
6. Subtotal Direct Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,632	\$ -
7. Subcontractors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,290	\$ -
7a. Management Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52	\$ -
8. Total Task Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,178	\$ -
9. Fixed Fee 5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 310	\$ -
10. Total Task Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,488	\$ -

Program Manager (Engineer) \_\_\_\_\_

Date: \_\_\_\_\_

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1  
 Task #/Name: Task 2 - Atlas Graphics - 130043B  
 Complete: 0.0%

Page: 3 OF 8  
 Date Prepared: 11/19/10  
 Billing Period:  
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completior	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,327	\$ -
2. Indirect Costs 166.6%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,877	\$ -
3. Subtotal Direct Salary Costs and Indirect Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,204	\$ -
4. Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 824	\$ -
5. Other Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808	\$ -
6. Subtotal Direct Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,632	\$ -
7. Subcontractors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,290	\$ -
7a. Management Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52	\$ -
8. Total Task Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,178	\$ -
9. Fixed Fee 5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 310	\$ -
10. Total Task Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,488	\$ -

Program Manager (Engineer) \_\_\_\_\_

Date: \_\_\_\_\_

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1  
 Task #/Name: Task 3 - Tishcon Corp (125 State Street) - 130043C  
 Complete: 0.0%

Page: 4 OF 8  
 Date Prepared: 11/19/10  
 Billing Period:  
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completior	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,019	\$ -
2. Indirect Costs 166.6%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,029	\$ -
3. Subtotal Direct Salary Costs and Indirect Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,048	\$ -
4. Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 824	\$ -
5. Other Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808	\$ -
6. Subtotal Direct Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,632	\$ -
7. Subcontractors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,290	\$ -
7a. Management Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52	\$ -
8. Total Task Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,021	\$ -
9. Fixed Fee 5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 402	\$ -
10. Total Task Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,423	\$ -

Program Manager (Engineer) \_\_\_\_\_

Date: \_\_\_\_\_

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1  
 Task #/Name: Task 4 - Former Tishcon Corp - 130043F  
 Complete: 0.0%

Page: 5 OF 8  
 Date Prepared: 11/19/10  
 Billing Period:  
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completior	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,327	\$ -
2. Indirect Costs 166.6%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,877	\$ -
3. Subtotal Direct Salary Costs and Indirect Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,204	\$ -
4. Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 824	\$ -
5. Other Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808	\$ -
6. Subtotal Direct Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,632	\$ -
7. Subcontractors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,290	\$ -
7a. Management Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52	\$ -
8. Total Task Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,178	\$ -
9. Fixed Fee 5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 310	\$ -
10. Total Task Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,488	\$ -

Program Manager (Engineer) \_\_\_\_\_

Date: \_\_\_\_\_

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1  
 Task #/Name: Task 5 - Former Laka Industries, Inc - 130043K  
 Complete: 0.0%

Page: 6 OF 8  
 Date Prepared: 11/19/10  
 Billing Period:  
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completior	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,327	\$ -
2. Indirect Costs 166.6%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,877	\$ -
3. Subtotal Direct Salary Costs and Indirect Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,204	\$ -
4. Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 824	\$ -
5. Other Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808	\$ -
6. Subtotal Direct Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,632	\$ -
7. Subcontractors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,290	\$ -
7a. Management Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52	\$ -
8. Total Task Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,178	\$ -
9. Fixed Fee 5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 310	\$ -
10. Total Task Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,488	\$ -

Program Manager (Engineer)

Date:

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1  
 Task #/Name: Task 6 - EZ-EM, Inc - 130043N  
 Complete: 0.0%

Page: 7 OF 8  
 Date Prepared: 11/19/10  
 Billing Period:  
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completior	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,327	\$ -
2. Indirect Costs 166.6%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,877	\$ -
3. Subtotal Direct Salary Costs and Indirect Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,204	\$ -
4. Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 824	\$ -
5. Other Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808	\$ -
6. Subtotal Direct Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,632	\$ -
7. Subcontractors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,290	\$ -
7a. Management Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52	\$ -
8. Total Task Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,178	\$ -
9. Fixed Fee 5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 310	\$ -
10. Total Task Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,488	\$ -

Program Manager (Engineer) \_\_\_\_\_

Date: \_\_\_\_\_

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1  
 Task #/Name: Task 7 - Tishcon Corp (New York Ave) - 130043V  
 Complete: 0.0%

Page: 8 OF 8  
 Date Prepared: 11/19/10  
 Billing Period:  
 Invoice No.:

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completior	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,945	\$ -
2. Indirect Costs 166.6%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,572	\$ -
3. Subtotal Direct Salary Costs and Indirect Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,517	\$ -
4. Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,337	\$ -
5. Other Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808	\$ -
6. Subtotal Direct Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,145	\$ -
7. Subcontractors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,337	\$ -
7a. Management Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 213	\$ -
8. Total Task Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,212	\$ -
9. Fixed Fee 5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 526	\$ -
10. Total Task Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,738	\$ -

Program Manager (Engineer) \_\_\_\_\_

Date: \_\_\_\_\_



Schedule 2.11(g) - Supplemental  
COST CONTROL REPORT FOR SUBCONTRACTS

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Page 1 of 1  
 Date Prepared: 11/19/10  
 Billing Period:  
 Invoice No.

IMC Magnetics - 130043A ▼

Subcontract Name	A Subcontract Costs Claimed This Application Incl. Resubmittals	B Subcontract Costs Approved For Payment on Previous Applications	C Total Subcontract Costs To Date (A plus B)	D Subcontract Approved Budget	Management Fee This Application	Management Fee Previous Applications	F Management Fee Paid	E Management Fee Budget
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
Centek Laboratory			\$ -	\$ 1,290.00			\$ -	\$ 51.60
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
<b>TOTALS</b>	\$ -	\$ -	\$ -	\$ 1,290.00			\$ -	\$ 52.00

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

NOTES:

- (1) Costs listed in Columns A, B, C & D do not include any management fee costs.
- (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.
- (3) Line 11, Column G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

Schedule 2.11(g) - Supplemental  
COST CONTROL REPORT FOR SUBCONTRACTS

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Page 1 of 1  
 Date Prepared: 11/19/10  
 Billing Period:  
 Invoice No.

Atlas Graphics - 130043B ▼

Subcontract Name	A Subcontract Costs Claimed This Application Incl. Resubmittals	B Subcontract Costs Approved For Payment on Previous Applications	C Total Subcontract Costs To Date (A plus B)	D Subcontract Approved Budget	Management Fee This Application	Management Fee Previous Applications	F Management Fee Paid	E Management Fee Budget
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
Centek Laboratory			\$ -	\$ 1,290.00			\$ -	\$ 51.60
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
<b>TOTALS</b>	\$ -	\$ -	\$ -	\$ 1,290.00			\$ -	\$ 52.00

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

NOTES:

- (1) Costs listed in Columns A, B, C & D do not include any management fee costs.
- (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.
- (3) Line 11, Column G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

Schedule 2.11(g) - Supplemental  
COST CONTROL REPORT FOR SUBCONTRACTS

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Page 1 of 1  
 Date Prepared: 11/19/10  
 Billing Period:  
 Invoice No.

Tishcon Corp (125 State Street) - 130043C

Subcontract Name	A Subcontract Costs Claimed This Application Incl. Resubmittals	B Subcontract Costs Approved For Payment on Previous Applications	C Total Subcontract Costs To Date (A plus B)	D Subcontract Approved Budget	Management Fee This Application	Management Fee Previous Applications	F Management Fee Paid	E Management Fee Budget
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
Centek Laboratory			\$ -	\$ 1,290.00			\$ -	\$ 51.60
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
<b>TOTALS</b>	\$ -	\$ -	\$ -	\$ 1,290.00			\$ -	\$ 52.00

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

NOTES:

- (1) Costs listed in Columns A, B, C & D do not include any management fee costs.
- (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.
- (3) Line 11, Column G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

Schedule 2.11(g) - Supplemental  
COST CONTROL REPORT FOR SUBCONTRACTS

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Page 1 of 1  
 Date Prepared: 11/19/10  
 Billing Period:  
 Invoice No.

Former Tishcon Corp - 130043F

Subcontract Name	A Subcontract Costs Claimed This Application Incl. Resubmittals	B Subcontract Costs Approved For Payment on Previous Applications	C Total Subcontract Costs To Date (A plus B)	D Subcontract Approved Budget	Management Fee This Application	Management Fee Previous Applications	F Management Fee Paid	E Management Fee Budget
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
Centek Laboratory			\$ -	\$ 1,290.00			\$ -	\$ 51.60
			\$ -	\$ -			\$ -	\$ -
<b>TOTALS</b>	\$ -	\$ -	\$ -	\$ 1,290.00			\$ -	\$ 52.00

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

NOTES:

- (1) Costs listed in Columns A, B, C & D do not include any management fee costs.
- (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.
- (3) Line 11, Column G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

Schedule 2.11(g) - Supplemental  
COST CONTROL REPORT FOR SUBCONTRACTS

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Page 1 of 1  
 Date Prepared: 11/19/10  
 Billing Period:  
 Invoice No.

Former Laka Industries, Inc - 130043K

Subcontract Name	A Subcontract Costs Claimed This Application Incl. Resubmittals	B Subcontract Costs Approved For Payment on Previous Applications	C Total Subcontract Costs To Date (A plus B)	D Subcontract Approved Budget	Management Fee This Application	Management Fee Previous Applications	F Management Fee Paid	E Management Fee Budget
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
Centek Laboratory			\$ -	\$ 1,290.00			\$ -	\$ 51.60
<b>TOTALS</b>	\$ -	\$ -	\$ -	\$ 1,290.00			\$ -	\$ 52.00

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

NOTES:

- (1) Costs listed in Columns A, B, C & D do not include any management fee costs.
- (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.
- (3) Line 11, Column G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

Schedule 2.11(g) - Supplemental  
COST CONTROL REPORT FOR SUBCONTRACTS

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Page 1 of 1  
 Date Prepared: 11/19/10  
 Billing Period:  
 Invoice No.

EZ-EM, Inc - 130043N

Subcontract Name	A Subcontract Costs Claimed This Application Incl. Resubmittals	B Subcontract Costs Approved For Payment on Previous Applications	C Total Subcontract Costs To Date (A plus B)	D Subcontract Approved Budget	Management Fee This Application	Management Fee Previous Applications	F Management Fee Paid	E Management Fee Budget
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
Centek Laboratory			\$ -	\$ 1,290.00			\$ -	\$ 51.60
<b>TOTALS</b>	\$ -	\$ -	\$ -	\$ 1,290			\$ -	\$ 52.00

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

NOTES:

- (1) Costs listed in Columns A, B, C & D do not include any management fee costs.
- (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.
- (3) Line 11, Column G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

Schedule 2.11(g) - Supplemental  
COST CONTROL REPORT FOR SUBCONTRACTS

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Page 1 of 1  
 Date Prepared: 11/19/10  
 Billing Period:  
 Invoice No.

Tishcon Corp (New York Ave) - 130043V ▼

Subcontract Name	A Subcontract Costs Claimed This Application Incl. Resubmittals	B Subcontract Costs Approved For Payment on Previous Applications	C Total Subcontract Costs To Date (A plus B)	D Subcontract Approved Budget	Management Fee This Application	Management Fee Previous Applications	F Management Fee Paid	E Management Fee Budget
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
Centek Laboratory			\$ -	\$ 1,290.00			\$ -	\$ 51.60
Aztech			\$ -	\$ 3,695.00			\$ -	\$ 147.80
Chemtech			\$ -	\$ 352.00			\$ -	\$ 14.08
<b>TOTALS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,337</b>			<b>\$ -</b>	<b>\$ 214.00</b>

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

NOTES:

- (1) Costs listed in Columns A, B, C & D do not include any management fee costs.
- (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.
- (3) Line 11, Column G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.



SCHEDULE 2.11(h)  
 MONTHLY COST CONTROL REPORT  
 SUMMARY OF LABOR HOURS

Number of Direct Labor Hours Expended to Date/Estimated Number of Direct Labor Hours to Completion

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31.1

Date Prepared: 11/19/10  
 Billing Period:  
 Invoice #:

NSPE Labor Classification	IX Exp/Est*	VIII Exp/Est	VII Exp/Est	VI Exp/Est	V Exp/Est	IV Exp/Est	III Exp/Est	II Exp/Est	I Exp/Est	Total No. of Direct Labor Hours Exp/Est										
Task 1 - IMC Magnetics - 130043A	0.0	1	0.0	0	0.0	0	0.0	2	0.0	12	0.0	4	0.0	23	0.0	26	0.0	9	0.0	76
Task 2 - Atlas Graphics - 130043B	0.0	1	0.0	0	0.0	0	0.0	2	0.0	12	0.0	4	0.0	23	0.0	26	0.0	9	0.0	76
Task 3 - Tishcon Corp (125 State Street) - 130043C	0.0	2	0.0	0	0.0	0	0.0	2	0.0	14	0.0	6	0.0	29	0.0	33	0.0	11	0.0	96
Task 4 - Former Tishcon Corp - 130043F	0.0	1	0.0	0	0.0	0	0.0	2	0.0	12	0.0	4	0.0	23	0.0	26	0.0	9	0.0	76
Task 5 - Former Laka Industries, Inc - 130043K	0.0	1	0.0	0	0.0	0	0.0	2	0.0	12	0.0	4	0.0	23	0.0	26	0.0	9	0.0	76
Task 6 - EZ-EM, Inc - 130043N	0.0	1	0.0	0	0.0	0	0.0	2	0.0	12	0.0	4	0.0	23	0.0	26	0.0	9	0.0	76
Task 7 - Tishcon Corp (New York Ave) - 130043G	0.0	1	0.0	0	0.0	0	0.0	2	0.0	14	0.0	4	0.0	52	0.0	54	0.0	8	0.0	134
Task 8 -	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
<b>Total Hours</b>	0.0	8	0.0	0	0.0	0	0.0	11	0.0	89	0.0	30	0.0	197	0.0	216	0.0	62	0.0	613

\* Expended/Estimated



**Cost Review for Schedule 2.11 Package**

**Contractor Name: MACTEC Engineering and Consulting**  
**WA # and Name: D004434-31.1 New Cassel Industrial Area**

**Date: 11/18/10**  
**Reviewer: Rena Armstrong**

GENERAL COST REVIEW CHECKLIST		Yes	No	Comments
	A complete set of 2.11 Schedules (a) through (h) is attached.	X		
	Budget package includes a cover letter and an M/WBE Utilization Plan.			Plan submitted directly to M/WBE dept.
<b>1</b>	<b>Cover Letter</b>			
	Provides brief justification of the budget supported by the 2.11s.	X		
	Anticipated completion date(s) for the work are included. For amendments, there is an explanation of how the submittal affects the existing schedule.	X		
	Duration of anticipated work does not exceed the next fiscal year. (Work subsequent to that should be part of a future amendment or new work assignment.)	X		
	If proposing work for multiple years, a brief justification is included. **Mactec Note: Project completion by 3/31/11; however project closeout and final CAP in FY 2011/2012.	X		**
	Includes anticipated billings by State fiscal year. For amendments, both the unexpended budget and the new costs being added are identified.	X		
	If an amendment, the current status of work (what's completed/billed, what remains) is provided.	X		
<b>2</b>	<b>Schedule 2.11(b) - Direct Labor</b>			
	Average reimbursement rates are used for each year. Future years escalate 3%.	X		
	Hours are segregated by year.	X		
	Total cost for each NSPE level is shown.	X		
	Total direct labor costs match amounts on Schedule 2.11(a).	X		
	The Principal's (NSPE IX) labor hours charged to WA are less than 2% of the total.	X		
	Total labor hours match hours on Schedule 2.11(h).	X		
<b>3</b>	<b>Schedule 2.11(b-1) - Direct Administrative Labor Hours</b>			
	Breakdown of Schedule 2.11(b-1) is reasonable, i.e., admin LOE is within acceptable guideline of <4% of overall WA LOE. Justification is attached for any exceedance. **Mactec Note: Admin hours are above 4% due to budget review/CAP preparation/project closeout efforts being extended into FY 2011/2012.	X		7.6% **
<b>4</b>	<b>Schedules 2.11(c) and (d) - Direct Non-Salary Costs</b>			
	Rates listed in Schedule 2.11(c) are consistent with contract.	X		
	Rates for in-house and/or misc. costs match contract Schedule 2.10(b) or 2.10(c) (2).	X		
	Quotes are included for any non-contract item (including equipment purchases & rentals; excluding air fare) >\$1k. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.			N/A
	All costs are allowable, e.g., office telephone and office shipping cannot be reimbursed as a direct cost if they're included in ICR. Field costs must be receipted.	X		
	Appropriate lodging/per diem/mileage rates are used.	X		
	Schedule 2.11(d)1 - All equipment purchased is supported by cost justification that's acceptable to the CM. Equipment is to be maintained by the contractor or turned over to DEC, and it must be added to contractor's inventory list (include a revised copy).			N/A
	Schedule 2.11(d)2 - Rates for consultant-owned equipment match Schedule 2.10(c).			N/A
	Schedule 2.11(d)4 - Includes equipment to be used only on the WA (such as blower purchased to upgrade SVE system).			N/A
	Other direct costs (no. of field days, lodging, and field equipment usage) are reasonable based on field work schedule or supporting documentation.	X		
	Total of direct non-salary costs matches the amount on Schedule 2.11(a).	X		

5	<b>Schedule 2.11(e) - Cost-plus-fixed-fee subcontracts</b>		
	Proposed subconsultant is on standby or has DEC-approved rates with another standby consultant. Otherwise, financial information required for cost analysis must be submitted.		N/A
	Standby subcontract is active and rates (salary, direct and indirect costs, and fixed fee) match contract rates.		N/A
	A breakdown of direct non-salary costs is provided.		N/A
	Total subcontract cost matches amount on Schedule 2.11(a).		N/A
	Subcontractor has justified/obtained adequate quotes for any further subcontracted work.		N/A
	Subcontractor certification(s) have been submitted.		N/A
6	<b>Schedule 2.11(f) - Unit Price Subcontracts</b>		
	There are quotes for non-standby subcontracts >\$1k. Bids are comparable (quantities and items) and provide unit costs plus job total. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.		N/A
	<i>Standby Drillers</i> (Two phase process) - Quotes from all standbys are attached. Proper unit costs and mobilization/demobilization costs are used. The low quote has been selected. Explanation for declinations has been provided.		Aztech quote provided in original WA - direct push units increased
	<i>Standby Labs and Data Validators</i> (rotate use) - Unit costs match those in contract(s).	X	
	<i>M/WBE</i> - Cost reasonableness of sole/single source M/WBE contracts <\$10k are documented by an engineer's estimate.		N/A
	Cost reasonableness of sole/single source contracts are documented by an engineer's estimate or other cost comparisons (e.g., historical costs, pricing guides).		N/A
	Placeholders are used only for non-standby subcontractors.		N/A
	Cost reasonableness of placeholder subcontractors are documented by an engineer's estimate or other cost comparisons.		N/A
	Correct contract management fee is calculated only on non-professional unit priced subs >\$10k and M/WBE firms from \$1. (Management fee is not allowed on professional engineering firms, architects, or surveyors unless the contract specifically allows it.)		N/A
	Total subcontract costs match the amounts on Schedule 2.11(a).		N/A
	Justification is attached for subcontracts >\$100,000 supporting a determination not to design and competitively bid the work. Response-type activities (drum removals, other construction-type activities) must be competitively bid unless otherwise approved.		N/A
	Subcontractor certification(s) have been submitted.		Certifications provided with original WA
7	<b>Schedule 2.11(g) - Cost Control Report</b>		
	Individual 2.11(g)s equal Summary 2.11(g) and costs match those on 2.11(a).	X	
8	<b>Schedule 2.11(g) - Supplemental - Cost Control Report (subs)</b>		
	Includes all applicable subcontracts and management fees (for unit price only).	X	
9	<b>Schedule 2.11(a)</b>		
	Rates for indirect and fixed fee match contract rates.	X	
	All numbers rolled up into Schedule 2.11(a) add up.	X	

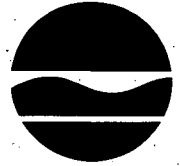
rev. 8/23/10

**New York State Department of Environmental Conservation  
Division of Environmental Remediation, 12<sup>th</sup> Floor**

625 Broadway, Albany, New York 12233-7012

Phone: (518) 402-9764 • Fax: (518) 402-9722

Website: [www.dec.ny.gov](http://www.dec.ny.gov)



Alexander B. Grannis  
Commissioner

October 23, 2009

Mr. William Weber, P.E.  
Program Manager  
MACTEC Engineering and Consulting  
511 Congress Street, P.O. Box 7050  
Portland, Maine 04112-7050

RE: Schedule 2.11s Approval  
Contract/WA No.: D004434-31  
Site Name: New Cassel Industrial Area  
Site No.: 1-30-043

Dear Mr. Weber:

The New York State Department of Environmental Conservation's Division of Environmental Remediation (DER) hereby approves the enclosed Schedule 2.11s for the above referenced WA for a total amount not to exceed \$65,003. Your firm may now submit a request for reimbursement for work completed under this WA.

If you have any questions regarding the WA, please contact the Project Manager, Joe Jones at (518) 402-9621.

Sincerely,

Michael J. Cruden, P.E.  
Chief  
Contracts and Payments Section  
Bureau of Program Management  
Division of Environmental Remediation

Attachments

ec: jwpeterson@mactec.com  
tmcasavant@mactec.com  
jpconnolly@mactec.com  
J. Jones, PM  
N. Morgan, CM  
L. Lewis, CM  
D. Desnoyers  
S. Ervolina  
D. Weigel  
C. Vasudevan  
B. Bobersky  
D. Finlayson  
T. Wolosen  
M/WBE Unit

bec: M. Cruden

**Cost Review for Work Plan or Amendment**

**Contractor Name: MACTEC Engineering**  
**WA # and Name: D004434-31 (New Cassel Industrial Area)**

**Date: 10/23/09**  
**Reviewer: N. Morgan**

<b>GENERAL COST REVIEW CHECKLIST</b>		<b>Yes</b>	<b>No</b>	<b>Comments</b>
	A complete set of 2.11 Schedules (a) through (h) is attached.	X		
	Budget package includes a cover letter and an M/WBE Utilization Plan.	X		
<b>1.</b>	<b>Schedule 2.11(b) - Direct Labor</b>			
	Average reimbursement rates are used for each year. Future years escalate 3%.	X		
	Hours are segregated by year.	X		
	Total cost for each NSPE level is shown.	X		
	Total direct labor costs match amounts on Schedule 2.11(a).	X		
	The Principal's (NSPE level 9) labor hours charged to WA are less than 2% of the total.	X		
	Total labor hours match hours on Schedule 2.11(h).	X		
<b>2.</b>	<b>Schedule 2.11(b-1) - Direct Administrative Labor Hours</b>			
	Breakdown of Schedule 2.11(b-1) is reasonable, i.e., admin LOE is within acceptable guideline of <4% of overall WA LOE. Justification is attached for any exceedance.	X		
<b>3.</b>	<b>Schedules 2.11(c) and (d) - Direct Non-Salary Costs</b>			
	Rates listed in Schedule 2.11(c) are consistent with contract.	X		
	Rates for in-house and/or misc. costs match contract Schedule 2.10(b) or 2.10 (c) (2).	X		
	Quotes are included for any non-contract item ( <u>including</u> equipment purchases & rentals; <u>excluding</u> air fare) >\$1k. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.			N/A
	All costs are allowable, e.g., office telephone and office shipping cannot be reimbursed as a direct cost if they're included in ICR. Field costs must be receipted.	X		
	Appropriate lodging/per diem/mileage rates are used.	X		
	Schedule 2.11(d)1 - All equipment purchased is supported by cost justification that's acceptable to the CM. Equipment is to be maintained by the contractor or turned over to DEC, and it must be added to contractor's inventory list (include a revised copy).			N/A
	Schedule 2.11(d)2 - Rates for consultant-owned equipment match Schedule 2.10(c).			N/A
	Schedule 2.11(d)4 - Includes equipment to be used only on this WA (such as a blower purchased to upgrade SVE system).			N/A
	Other direct costs (no. of field days, lodging, and field equipment usage) are reasonable based on field work schedule or supporting documentation.	X		
	Total of direct non-salary costs matches the amount on Schedule 2.11(a).	X		
<b>4.</b>	<b>Schedule 2.11(e) - Cost-plus-fixed-fee subcontracts</b>			
	Proposed subconsultant is on standby or has DEC-approved rates with another standby consultant. Otherwise, financial information required for cost analysis must be submitted.			N/A

	<b>Schedule 2.11(e) - Continued</b>	<b>Yes</b>	<b>No</b>	<b>Comments</b>
	Standby subcontract is active and rates (salary, direct and indirect costs, and fixed fee) match contract rates.			N/A
	A breakdown of direct non-salary costs is provided.			N/A
	Total subcontract cost matches amount on Schedule 2.11(a).			N/A
	Subcontractor has justified/obtained adequate quotes for any further subcontracted work.			N/A
	Subcontractor certification(s) have been submitted.			N/A
<b>5.</b>	<b>Schedule 2.11(f) - Unit Price Subcontracts</b>			
	There are quotes for non-standby subcontracts >\$1k. Bids are comparable (quantities and items) and provide unit costs plus job total. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.			N/A
	<i>Standby Drillers</i> (Two phase process) - Quotes from all standbys are attached. Proper unit costs and mobilization/demobilization costs are used. The low quote has been selected. Explanation for declinations has been provided.	X		
	<i>Standby Labs and Data Validators</i> (rotate use) - Unit costs match those in contract(s).	X		
	<i>M/WBE</i> - Cost reasonableness of sole/single source M/WBE contracts <\$10k are documented by an engineer's estimate.			N/A
	Cost reasonableness of sole/single source contracts are documented by an engineer's estimate or other cost comparisons (e.g., historical costs, pricing guides).			N/A
	Placeholders are used only for non-standby subcontractors.			N/A
	Cost reasonableness of placeholder subcontractors are documented by an engineer's estimate or other cost comparisons.			N/A
	Correct management fee is calculated only on non-professional unit priced subs >\$10k and M/WBE firms from \$1. (Management fee is not allowed on professional engineering firms, architects, or surveyors unless the contract specifically allows it.)	X		
	Total subcontract costs match the amounts on Schedule 2.11(a).	X		
	Justification is attached for subcontracts >\$100,000 supporting a determination not to design and competitively bid the work. Response-type activities (drum removals, other construction-type activities) must be competitively bid unless otherwise approved			N/A
	Subcontractor certification(s) have been submitted.	X		
<b>6.</b>	<b>Schedule 2.11(g) - Cost Control Report</b>			
	Individual 2.11(g)s equal Summary 2.11(g) and costs match those on 2.11(a).	X		
<b>7.</b>	<b>Schedule 2.11(g) Supplemental - Cost Control Report (subs)</b>			
	Schedules include all applicable subcontracts and management fees (for unit price only).	X		
<b>8.</b>	<b>Schedule 2.11(a)</b>			
	Rates for indirect and fixed fee match contract rates.	X		
	All numbers rolled up into Schedule 2.11(a) add up.	X		

Rev. 6/17/09

**Nicole Morgan - Re: D004434-31**

---

**From:** Joseph Jones  
**To:** Morgan, Nicole  
**Date:** 10/22/2009 10:02 AM  
**Subject:** Re: D004434-31

---

They look OK to me.

>>> Nicole Morgan 10/22/2009 9:26 AM >>>  
Joe -

Please let me know if you approve the revised 2.11s, they did change one of the subcontractors. This will show up as past 90 days on the next report if I cannot get this approved by COB Monday.

Nicole

>>> Nicole Morgan 10/20/2009 8:33 AM >>>  
Good morning,

I haven't heard from you on this - please let me know ASAP if you have comments or approve the revised NCIA.

Thanks

>>> Nicole Morgan 10/9/2009 1:15 PM >>>  
Hi Joe,

Please review the attached and email me either your comments for MACTEC to address ro your approval within **10 calender days**.

Thanks,  
Nicole

>>> "Connolly, Jayme" <JPConnolly@mactec.com> 10/9/2009 8:49 AM >>>  
Hi Nichole,

The NCIA revised 2.11 package is attached. Sorry about all the confusion with this one! As requested, we submitted a revised utilization plan to the MWBE Unit yesterday afternoon to reflect the change in the subcontractor for the direst push soil sample.

Please let me know if you need anything else.  
Jayme

<<letter.hw130043.2009-10-8.NCIA\_Vapor\_Intrusion\_D004434-31\_2.11s  
revision\_2.pdf>>  
Jayme Connolly  
Project Manager/Senior Scientist  
MACTEC Engineering and Consulting, Inc.  
Office 207-775-5401 Fax 207-772-4762  
Email [jpconnolly@mactec.com](mailto:jpconnolly@mactec.com) Web [www.mactec.com](http://www.mactec.com) <<http://www.mactec.com/>>

File 3612092127 / 04.2





**From:** Lisa Lewis  
**To:** Morgan, Nicole  
**Date:** 10/20/2009 1:31 PM  
**Subject:** Fwd: Utilization Plan Approved for Contract Number D004434

>>> Christopher Hale 10/20/2009 12:16 PM >>>

*Christopher D. Hale  
Minority Business Specialist  
Department of Environmental Conservation  
625 Broadway, 10th Floor  
Albany, New York 12233-5028  
518.402.9311*

>>> On 10/20/2009 at 12:11 PM, Christopher Hale wrote:  
Re: D004434-31 New Cassel; D004434-28.1 Bram Manufacturing

Dear Sir/Madam:

The Bureau of Affirmative Action and Minority and Women's Business Programs (BAA/W/WBP) is responsible for the administration of the Department of Environmental Conservation's (DEC) Minority and Women's Business Enterprise-Equal Employment Opportunity (M/WBE-EEO) Program. The M/WBE-EEO Program serves to assure that NY State certified minority and women-owned business enterprises (M/WBEs) are provided access to contracting opportunities. The program also ensures that minorities and women are provided equal access to employment opportunities (EEO) created by the expenditure of public funds. The Office of Minority and Women's Business Programs is in receipt of your firm's utilization plan. Based on our review, the following comments are provided for your information

A. The contractor's detailed M/WBE utilization plan for the above contract/work assignment has been approved.

B. To be in compliance with the M/WBE-EEO program requirements, please ensure that the following procedures are followed:

That legally signed and executed M/WBE subcontracts are maintained in your files for review by the NYSDEC.

That copies of purchase orders (if used) along with copies of both sides of legally signed and canceled checks; need to be kept to verify actual payment to M/WBE's. These documents are to be kept in your files and made available when requested, for review by the NYSDEC.

Please provide this office, within fifteen (15) business days of the close of each federal fiscal quarter, a quarterly report listing of all M/WBE subcontracts on record for each prime contract and/or legally signed purchase orders. Please include date of award for each M/WBE subcontract, total dollar value and scope of work.

The OMWBP must be notified immediately of changes to the approved Utilization Plan along with the following documentation:

Records indicating reasonable steps to promptly replace and MBE or WBE subcontractor that is unable to

perform successfully with another MBE or WBE;  
Copies of the correspondence or any information relevant to the change.

If you require assistance in obtaining the names of NYS certified M/WBEs that specialize in the tasks contained in your documents, you may access the Empire State Development Corporation's M/WBE Directory via the Internet at: <http://www.nylovesmwbe.ny.gov/cf/search.cfm> or contact me at (518) 402-9311.

Sincerely,

Compliance Specialist I/Minority  
Business Specialist I



engineering and constructing a better tomorrow

October 8, 2009

New York State Department of Environmental Conservation  
Division of Environmental Remediation  
625 Broadway, 11<sup>th</sup> Floor  
Albany, New York 12233-7014

Attention: Ms. Lisa Lewis/Ms. Nicole Morgan

Subject: **2.11 Package – Revision 2**  
**Vapor Intrusion Investigation – New Cassel Industrial Area, Site No. 130043**  
**Work Assignment # D004434-31**  
**MACTEC Engineering and Consulting, P.C., Project No. 3612092127**

Dear Ms. Lewis/Morgan:

In response to Work Assignment (WA) issuance for WA D004434-31, MACTEC Engineering and Consulting, P.C. (MACTEC) is submitting the following:

- Schedule 2.11s;
- Cost Review Checklist, including associated backup and Subcontractor certifications; and
- Equal Employment Opportunity (EEO) and Minority/Woman Business Enterprise (M/WBE) Utilization Plan.

**Scope of Work:**

This is a multi-site WA divided into seven tasks, each task representing a distinct site within the New Cassel Industrial Area (NCIA). Each task (site) has then been broken down into 4 subtasks (scoping, soil vapor/indoor air investigation, mitigation, and reporting) to represent the WA elements for each site. Sites included in this multi-site WA include the following:

- Task (Site) 1 IMC Magnetics, Site No. 130043A;
- Task (Site) 2 Atlas Graphics, Site No. 130043B;
- Task (Site) 3 Tishcon Corp. (125 State Street), Site No. 130043C;

- Task (Site) 4            Former Tishcon Corp. Site No. 130043F;
- Task (Site) 5            Former Laka Industries, Inc., Site No. 130043K;
- Task (Site) 6            EZ-EM, Inc., Site No. 130043N; and
- Task (Site) 7            Tishcon Corp (New York Ave), Site No. 130043V.

Below is a description of the four main subtasks for each site. Please note the implementation of the overall WA will realize an economy of scale as each Site is located in close proximity to each other within the NCIA; therefore, work elements such as site visits, field investigations, and reporting will be combined for all seven sites to the extent practical. For the purposes of budgeting however, each site assumed as a separate task in the event circumstances prohibit simultaneous and consecutive implementation.

**Subtask 1 – Scoping** includes the following work items:

- File Review (review/assessment of existing site reports including the Remedial Investigation Report, the Feasibility Study Report, and the Records of Decision);
- Site Visit (inspection of general site conditions);
- Develop Schedule 2.11s (including solicit subcontractor bids); and
- Preparation of M/WBE Utilization Plan.

**Subtask 2 – Soil Vapor/Indoor Air Investigation** includes:

- Site access/mobilization during the 2009 – 2010 heating season.
- Collect 24 hour duration sub slab soil vapor samples from three (3) locations and two (2) indoor (first floor) air samples for volatile organic compound (VOC) analysis. Per New York State Department of Health (NYSDOH) guidance, an outdoor ambient air sample will also be collected in conjunction with the indoor air samples. One sub slab field duplicate pair has also been budgeted. Twenty four hour duration air samples have been scoped to minimize site access issues during the workplace's non-working hours, allow for any workplace with multiple shifts, and schedule work load efficiently.
- In addition, Task (Site) 7, Tishcon Corp (New York Ave) includes the collection of one (1) continuous sub slab soil boring sample to 20 feet below ground surface. The soil sample with highest total VOC measurement obtained with a photoionization detector will be submitted for off-site laboratory analysis for VOCs.

- Sample analysis for VOCs using methods TO-15 (soil vapor/air) and 8260B (soil).

**Subtask 3 – Mitigation (Scope and Budget To Be Determined):**

- Based on analytical results, and active sub slab depressurization system may be designed per Radon Mitigation Standards (EPS 402-R-93-078) and NYSDOH Soil Vapor Intrusion guidance (NYSDOH, 2006).
- If deemed necessary by MACTEC and New York State Department of Environmental Conservation, a pilot scale test may also be warranted to evaluate designed (or currently installed) soil vapor extraction system specifications.
- A WA amendment will be submitted detailing the scope and budget per Task (Site), if applicable.

**Subtask 4 – Reporting** includes the following items:

- Data validation and preparation of a Data Usability Summary Report;
- Letter Report (for entire WA) summarizing sample collection locations and results findings by Task (Site). The letter report will include a brief summary of the investigation performed, one figure depicting sampling locations, and a table of detected compounds compared to applicable New York State standards and/or guidelines.

**Subcontractors:**

The subcontractor staffing and M/WBE utilization for this project is summarized below.

Laboratory Analysis – MACTEC will utilize standby laboratories for analytical services based on a rotational basis. Sub slab and indoor air TO-15 VOC analysis will be provided by Centek located in Syracuse, NY (a WBE). Sub slab soil 8260B analysis will be provided by Chemtech located in Mountainside, NJ (a MBE).

Geoprobe Services – Aztech (a WBE) Technologies is the recommended Geoprobe subcontractor for the one (1) sub slab sample scoped for the Tishcon Corp (New York Ave) site (Task 7). They are the lowest cost compared to MACTECs other standby Geoprobe firms.

EEO and M/WBE Utilization Plan – The revised M/WBE Utilization Plan, was forwarded directly to the Division of Minority and Women-Owned Business Development. MACTEC has made a good faith effort to include these firms as described above. In addition, the nature of this WA provides other subcontracting opportunities (see Subtask 3, Mitigation) for M/WBE firms other than the ones listed above.

MACTEC looks forward to assisting the NYSDEC with this project. Please let us know if you have any questions or need any additional information.

Sincerely,

**MACTEC Engineering and Consulting, P.C.**



Jayme P. Connolly  
Project Manager



John W. Peterson  
Principal Professional

Enclosures

cc: File 4.2  
Joseph Jones

## **REFERENCES**

New York State Department of Health (NYSDOH), 2006. *“Guidance for Evaluating Soil Vapor Intrusion in the State of New York”*, Final, October 2006.



Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31

Date Prepared: 10/08/09

**Schedule 2.11(a)**  
**Summary of Work Assignment Price**

1	DIRECT SALARY COSTS (Schedules 2.10(a) and 2.11 (b))	\$	14,766
2	INDIRECT COSTS (Schedule 2.10(g))	\$	24,600
3	DIRECT NON-SALARY COSTS (Schedules 2.10(d)(e)(f) and 2.11 (c) and (d))	\$	11,500
<b>SUBCONTRACT COSTS</b> <b>COST-PLUS-FIXED-FEE SUBCONTRACTS</b> <b>(Schedule 2.11(e))</b>			
	<b>Name of Subcontractor</b>	<b>Services to be Performed</b>	<b>Subcontract Price</b>
			\$ -
			\$ -
			\$ -
4	TOTAL COST-PLUS-FIXED-FEE SUBCONTRACTS	\$	-
<b>UNIT PRICE SUBCONTRACTS</b> <b>(Schedule 2.11(f))</b>			
	<b>Name of Subcontractor</b>	<b>Services to be Performed</b>	<b>Subcontract Price</b>
	Centek Laboratory	Lab Services - Air	\$ 1,290
	Centek Laboratory	Lab Services - Air	\$ 1,290
	Centek Laboratory	Lab Services - Air	\$ 1,290
	Centek Laboratory	Lab Services - Air	\$ 1,290
	Centek Laboratory	Lab Services - Air	\$ 1,290
	Centek Laboratory	Lab Services - Air	\$ 1,290
	Centek Laboratory	Lab Services - Air	\$ 1,290
	Aztech	Direct Push Geoprobe sampling	\$ 2,495
	Chemtech	Laboratory Services - Soil Analysis	\$ 176
5	TOTAL UNIT PRICE SUBCONTRACTS	\$	11,701
6	SUBCONTRACT MANAGEMENT FEE	\$	468
7	TOTAL SUBCONTRACT COSTS (Lines 4 + 5 + 6)	\$	12,169
8	FIXED FEE (Schedule 2.10(h))	\$	1,968
9	TOTAL WORK ASSIGNMENT PRICE (Lines 1 + 2 + 3 + 7 + 8)	\$	65,003

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31

Date Prepared: 10/08/09

Schedule 2.11(b)  
 Direct Labor Hours Budgeted

GRADE LEVEL	IX	VIII	VII	VI	V	IV	III	II	I	TOTAL
2006 Rates	\$60.73	\$52.35	\$45.56	\$42.71	\$38.03	\$32.82	\$26.98	\$23.16	\$20.02	
2007 Rates	\$62.52	\$53.89	\$46.90	\$43.96	\$39.14	\$33.79	\$27.77	\$23.85	\$20.61	
2008 Rates	\$64.90	\$55.94	\$48.69	\$45.64	\$40.64	\$35.08	\$28.83	\$24.75	\$21.40	
2009 Rates	\$66.09	\$56.97	\$49.58	\$46.48	\$41.38	\$35.72	\$29.36	\$25.21	\$21.79	
2010 Rates	\$68.07	\$58.68	\$51.07	\$47.87	\$42.62	\$36.79	\$30.24	\$25.97	\$22.44	
<b>Task 1 - IMC Magnetics - 130043A</b>										
2009 Hours	0.25	0.00	0.00	1.00	5.80	2.00	18.30	18.60	3.30	49.25
2010 Hours	0.25	0.00	0.00	0.25	4.30	2.00	5.00	5.30	3.30	20.40
<b>Total Hours</b>	<b>0.50</b>	<b>0.00</b>	<b>0.00</b>	<b>1.25</b>	<b>10.10</b>	<b>4.00</b>	<b>23.30</b>	<b>23.90</b>	<b>6.60</b>	<b>69.65</b>
2009 Labor Cost	\$ 16.52	\$ -	\$ -	\$ 46.48	\$ 240.00	\$ 71.44	\$ 537.29	\$ 468.91	\$ 71.91	\$ 1,452.55
2010 Labor Cost	\$ 17.02	\$ -	\$ -	\$ 11.97	\$ 183.27	\$ 73.58	\$ 151.20	\$ 137.62	\$ 74.06	\$ 648.73
<b>Total Labor Cost</b>	<b>\$ 33.54</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 58.45</b>	<b>\$ 423.28</b>	<b>\$ 145.02</b>	<b>\$ 688.49</b>	<b>\$ 606.53</b>	<b>\$ 145.97</b>	<b>\$ 2,101.28</b>
<b>Task 2 - Atlas Graphics - 130043B</b>										
2009 Hours	0.25	0.00	0.00	1.00	5.80	2.00	18.30	18.60	3.30	49.25
2010 Hours	0.25	0.00	0.00	0.25	4.30	2.00	5.00	5.30	3.30	20.40
<b>Total Hours</b>	<b>0.50</b>	<b>0.00</b>	<b>0.00</b>	<b>1.25</b>	<b>10.10</b>	<b>4.00</b>	<b>23.30</b>	<b>23.90</b>	<b>6.60</b>	<b>69.65</b>
2009 Labor Cost	\$ 16.52	\$ -	\$ -	\$ 46.48	\$ 240.00	\$ 71.44	\$ 537.29	\$ 468.91	\$ 71.91	\$ 1,452.55
2010 Labor Cost	\$ 17.02	\$ -	\$ -	\$ 11.97	\$ 183.27	\$ 73.58	\$ 151.20	\$ 137.62	\$ 74.06	\$ 648.73
<b>Total Labor Cost</b>	<b>\$ 33.54</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 58.45</b>	<b>\$ 423.28</b>	<b>\$ 145.02</b>	<b>\$ 688.49</b>	<b>\$ 606.53</b>	<b>\$ 145.97</b>	<b>\$ 2,101.28</b>
<b>Task 3 - Tishcon Corp (125 State Street) - 130043C</b>										
2009 Hours	0.25	0.00	0.00	1.00	5.80	2.00	18.30	18.60	3.30	49.25
2010 Hours	0.25	0.00	0.00	0.25	4.30	2.00	5.00	5.30	3.30	20.40
<b>Total Hours</b>	<b>0.50</b>	<b>0.00</b>	<b>0.00</b>	<b>1.25</b>	<b>10.10</b>	<b>4.00</b>	<b>23.30</b>	<b>23.90</b>	<b>6.60</b>	<b>69.65</b>
2009 Labor Cost	\$ 16.52	\$ -	\$ -	\$ 46.48	\$ 240.00	\$ 71.44	\$ 537.29	\$ 468.91	\$ 71.91	\$ 1,452.55
2010 Labor Cost	\$ 17.02	\$ -	\$ -	\$ 11.97	\$ 183.27	\$ 73.58	\$ 151.20	\$ 137.62	\$ 74.06	\$ 648.73
<b>Total Labor Cost</b>	<b>\$ 33.54</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 58.45</b>	<b>\$ 423.28</b>	<b>\$ 145.02</b>	<b>\$ 688.49</b>	<b>\$ 606.53</b>	<b>\$ 145.97</b>	<b>\$ 2,101.28</b>
<b>Task 4 - Former Tishcon Corp - 130043F</b>										
2009 Hours	0.25	0.00	0.00	1.00	5.80	2.00	18.30	18.60	3.30	49.25
2010 Hours	0.25	0.00	0.00	0.25	4.30	2.00	5.00	5.30	3.30	20.40
<b>Total Hours</b>	<b>0.50</b>	<b>0.00</b>	<b>0.00</b>	<b>1.25</b>	<b>10.10</b>	<b>4.00</b>	<b>23.30</b>	<b>23.90</b>	<b>6.60</b>	<b>69.65</b>
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<b>Task 5 - Former Laka Industries, Inc - 130043K</b>										
2009 Hours	0.25	0.00	0.00	1.00	5.80	2.00	18.30	18.60	3.30	49.25
2010 Hours	0.25	0.00	0.00	0.25	4.30	2.00	5.00	5.30	3.30	20.40
<b>Total Hours</b>	<b>0.50</b>	<b>0.00</b>	<b>0.00</b>	<b>1.25</b>	<b>10.10</b>	<b>4.00</b>	<b>23.30</b>	<b>23.90</b>	<b>6.60</b>	<b>69.65</b>
2009 Labor Cost	\$ 16.52	\$ -	\$ -	\$ 46.48	\$ 240.00	\$ 71.44	\$ 537.29	\$ 468.91	\$ 71.91	\$ 1,452.55
2010 Labor Cost	\$ 17.02	\$ -	\$ -	\$ 11.97	\$ 183.27	\$ 73.58	\$ 151.20	\$ 137.62	\$ 74.06	\$ 648.73
<b>Total Labor Cost</b>	<b>\$ 33.54</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 58.45</b>	<b>\$ 423.28</b>	<b>\$ 145.02</b>	<b>\$ 688.49</b>	<b>\$ 606.53</b>	<b>\$ 145.97</b>	<b>\$ 2,101.28</b>
<b>Task 6 - EZ-EM, Inc - 130043N</b>										
2009 Hours	0.25	0.00	0.00	1.00	5.80	2.00	18.30	18.60	3.30	49.25
2010 Hours	0.25	0.00	0.00	0.25	4.30	2.00	5.00	5.30	3.30	20.40
<b>Total Hours</b>	<b>0.50</b>	<b>0.00</b>	<b>0.00</b>	<b>1.25</b>	<b>10.10</b>	<b>4.00</b>	<b>23.30</b>	<b>23.90</b>	<b>6.60</b>	<b>69.65</b>
2009 Labor Cost	\$ 16.52	\$ -	\$ -	\$ 46.48	\$ 240.00	\$ 71.44	\$ 537.29	\$ 468.91	\$ 71.91	\$ 1,452.55
2010 Labor Cost	\$ 17.02	\$ -	\$ -	\$ 11.97	\$ 183.27	\$ 73.58	\$ 151.20	\$ 137.62	\$ 74.06	\$ 648.73
<b>Total Labor Cost</b>	<b>\$ 33.54</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 58.45</b>	<b>\$ 423.28</b>	<b>\$ 145.02</b>	<b>\$ 688.49</b>	<b>\$ 606.53</b>	<b>\$ 145.97</b>	<b>\$ 2,101.28</b>

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31

Date Prepared: 10/08/09

Schedule 2.11(b)  
 Direct Labor Hours Budgeted

GRADE LEVEL	IX	VIII	VII	VI	V	IV	III	II	I	TOTAL
2006 Rates	\$60.73	\$52.35	\$45.56	\$42.71	\$38.03	\$32.82	\$26.98	\$23.16	\$20.02	
2007 Rates	\$62.52	\$53.89	\$46.90	\$43.96	\$39.14	\$33.79	\$27.77	\$23.85	\$20.61	
2008 Rates	\$64.90	\$55.94	\$48.69	\$45.64	\$40.64	\$35.08	\$28.83	\$24.75	\$21.40	
2009 Rates	\$66.09	\$56.97	\$49.58	\$46.48	\$41.38	\$35.72	\$29.36	\$25.21	\$21.79	
2010 Rates	\$68.07	\$58.68	\$51.07	\$47.87	\$42.62	\$36.79	\$30.24	\$25.97	\$22.44	
<b>Task 7 - Tishcon Corp (New York Ave) - 130043V</b>										
2009 Hours	0.25	0.00	0.00	1.00	5.80	2.00	19.60	19.60	3.00	51.25
2010 Hours	0.25	0.00	0.00	0.25	4.30	2.00	5.00	5.30	3.30	20.40
<b>Total Hours</b>	<b>0.50</b>	<b>0.00</b>	<b>0.00</b>	<b>1.25</b>	<b>10.10</b>	<b>4.00</b>	<b>24.60</b>	<b>24.90</b>	<b>6.30</b>	<b>71.65</b>
2009 Labor Cost	\$ 16.52	\$ -	\$ -	\$ 46.48	\$ 240.00	\$ 71.44	\$ 575.46	\$ 494.12	\$ 65.37	\$ 1,509.39
2010 Labor Cost	\$ 17.02	\$ -	\$ -	\$ 11.97	\$ 183.27	\$ 73.58	\$ 151.20	\$ 137.62	\$ 74.06	\$ 648.73
<b>Total Labor Cost</b>	<b>\$ 33.54</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 58.45</b>	<b>\$ 423.28</b>	<b>\$ 145.02</b>	<b>\$ 726.66</b>	<b>\$ 631.74</b>	<b>\$ 139.43</b>	<b>\$ 2,158.12</b>
2009 Total Labor Hours	2	0	0	7	41	14	129	131	23	347
2009 Total Direct Labor Cost (\$)	\$ 115.66	\$ -	\$ -	\$ 325.36	\$ 1,680.03	\$ 500.08	\$ 3,799.18	\$ 3,307.55	\$ 496.81	\$ 10,224.67
2010 Total Labor Hours	2	0	0	2	30	14	35	37	23	143
2010 Total Direct Labor Cost (\$)	\$ 119.13	\$ -	\$ -	\$ 83.78	\$ 1,282.90	\$ 515.08	\$ 1,058.43	\$ 963.35	\$ 518.45	\$ 4,541.12
<b>TOTAL LABOR HOURS</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>71</b>	<b>28</b>	<b>164</b>	<b>168</b>	<b>46</b>	<b>490</b>
<b>TOTAL DIRECT LABOR COST</b>	<b>\$ 235</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 409</b>	<b>\$ 2,963</b>	<b>\$ 1,015</b>	<b>\$ 4,858</b>	<b>\$ 4,271</b>	<b>\$ 1,015</b>	<b>\$ 14,766</b>

Contract/Project administrative hours would include (subject to contract allowability) but not necessarily be limited to the following activities:

- 1) Work Plan Development
  - Conflict of Interest
  - Develop budget schedules & supporting documentation
- 2) Review work assignment (WA) progress
  - Conduct progress reviews
  - Prepare monthly project report
  - Update WA progress schedule
  - Prepare monthly M/WBE Utilization Report
- 3) Review WA costs
  - Prepare monthly cost control report
  - Cost control reviews

Contract/Project administration hours would not include activities such as:

- 1) QA/QC reviews
- 2) Technical oversight by management
- 3) Develop subcontracts
- 4) CAP Preparation
  - Oversee and prepare monthly CAP
  - Respond to payment issues/disallowances
  - NSPE list updates
  - Equipment Inventory
- 5) Manage subcontracts
- 6) Implement and manage program management and staffing plans
- 7) Conduct Health and Safety Reviews
- 8) Word processing and graphic artists
- 9) Report editing
- 10) Review of deliverables

Schedule 2.11(b-1)  
 Direct Administrative Labor Hours Budgeted

GRADE LEVEL	IX	VIII	VII	VI	V	IV	III	II	I	TOTAL
2006 Rates	\$60.73	\$52.35	\$45.56	\$42.71	\$38.03	\$32.82	\$26.98	\$23.16	\$20.02	
2007 Rates	\$62.52	\$53.89	\$46.90	\$43.96	\$39.14	\$33.79	\$27.77	\$23.85	\$20.61	
2008 Rates	\$64.90	\$55.94	\$48.69	\$45.64	\$40.64	\$35.08	\$28.83	\$24.75	\$21.40	
2009 Rates	\$66.09	\$56.97	\$49.58	\$46.48	\$41.38	\$35.72	\$29.36	\$25.21	\$21.79	
2010 Rates	\$68.07	\$58.68	\$51.07	\$47.87	\$42.62	\$36.79	\$30.24	\$25.97	\$22.44	
<b>Task 1 - IMC Magnetics - 130043A</b>										
2009 Hours	0.00	0.00	0.00	0.00	0.80	0.00	0.30	0.60	0.30	2.00
2010 Hours	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.30	0.30	0.90
<b>Total Hours</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.10</b>	<b>0.00</b>	<b>0.30</b>	<b>0.90</b>	<b>0.60</b>	<b>2.90</b>
2009 Labor Cost	\$ -	\$ -	\$ -	\$ -	\$ 33.10	\$ -	\$ 8.81	\$ 15.13	\$ 6.54	\$ 63.58
2010 Labor Cost	\$ -	\$ -	\$ -	\$ -	\$ 12.79	\$ -	\$ -	\$ 7.79	\$ 6.73	\$ 27.31
<b>Total Labor Cost</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45.89</b>	<b>\$ -</b>	<b>\$ 8.81</b>	<b>\$ 22.92</b>	<b>\$ 13.27</b>	<b>\$ 90.88</b>
<b>Task 2 - Atlas Graphics - 130043B</b>										
2009 Hours	0.00	0.00	0.00	0.00	0.80	0.00	0.30	0.60	0.30	2.00
2010 Hours	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.30	0.30	0.90
<b>Total Hours</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.10</b>	<b>0.00</b>	<b>0.30</b>	<b>0.90</b>	<b>0.60</b>	<b>2.90</b>
2009 Labor Cost	\$ -	\$ -	\$ -	\$ -	\$ 33.10	\$ -	\$ 8.81	\$ 15.13	\$ 6.54	\$ 63.58
2010 Labor Cost	\$ -	\$ -	\$ -	\$ -	\$ 12.79	\$ -	\$ -	\$ 7.79	\$ 6.73	\$ 27.31
<b>Total Labor Cost</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45.89</b>	<b>\$ -</b>	<b>\$ 8.81</b>	<b>\$ 22.92</b>	<b>\$ 13.27</b>	<b>\$ 90.88</b>
<b>Task 3 - Tishcon Corp (125 State Street) - 130043C</b>										
2009 Hours	0.00	0.00	0.00	0.00	0.80	0.00	0.30	0.60	0.30	2.00
2010 Hours	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.30	0.30	0.90
<b>Total Hours</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.10</b>	<b>0.00</b>	<b>0.30</b>	<b>0.90</b>	<b>0.60</b>	<b>2.90</b>
2009 Labor Cost	\$ -	\$ -	\$ -	\$ -	\$ 33.10	\$ -	\$ 8.81	\$ 15.13	\$ 6.54	\$ 63.58
2010 Labor Cost	\$ -	\$ -	\$ -	\$ -	\$ 12.79	\$ -	\$ -	\$ 7.79	\$ 6.73	\$ 27.31
<b>Total Labor Cost</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45.89</b>	<b>\$ -</b>	<b>\$ 8.81</b>	<b>\$ 22.92</b>	<b>\$ 13.27</b>	<b>\$ 90.88</b>
<b>Task 4 - Former Tishcon Corp - 130043F</b>										
2009 Hours	0.00	0.00	0.00	0.00	0.80	0.00	0.30	0.60	0.30	2.00
2010 Hours	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.30	0.30	0.90
<b>Total Hours</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.10</b>	<b>0.00</b>	<b>0.30</b>	<b>0.90</b>	<b>0.60</b>	<b>2.90</b>
2009 Labor Cost	\$ -	\$ -	\$ -	\$ -	\$ 33.10	\$ -	\$ 8.81	\$ 15.13	\$ 6.54	\$ 63.58
2010 Labor Cost	\$ -	\$ -	\$ -	\$ -	\$ 12.79	\$ -	\$ -	\$ 7.79	\$ 6.73	\$ 27.31
<b>Total Labor Cost</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45.89</b>	<b>\$ -</b>	<b>\$ 8.81</b>	<b>\$ 22.92</b>	<b>\$ 13.27</b>	<b>\$ 90.88</b>
<b>Task 5 - Former Laka Industries, Inc - 130043K</b>										
2009 Hours	0.00	0.00	0.00	0.00	0.80	0.00	0.30	0.60	0.30	2.00
2010 Hours	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.30	0.30	0.90
<b>Total Hours</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.10</b>	<b>0.00</b>	<b>0.30</b>	<b>0.90</b>	<b>0.60</b>	<b>2.90</b>
2009 Labor Cost	\$ -	\$ -	\$ -	\$ -	\$ 33.10	\$ -	\$ 8.81	\$ 15.13	\$ 6.54	\$ 63.58
2010 Labor Cost	\$ -	\$ -	\$ -	\$ -	\$ 12.79	\$ -	\$ -	\$ 7.79	\$ 6.73	\$ 27.31
<b>Total Labor Cost</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45.89</b>	<b>\$ -</b>	<b>\$ 8.81</b>	<b>\$ 22.92</b>	<b>\$ 13.27</b>	<b>\$ 90.88</b>
<b>Task 6 - EZ-EM, Inc - 130043N</b>										
2009 Hours	0.00	0.00	0.00	0.00	0.80	0.00	0.30	0.60	0.30	2.00
2010 Hours	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.30	0.30	0.90
<b>Total Hours</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.10</b>	<b>0.00</b>	<b>0.30</b>	<b>0.90</b>	<b>0.60</b>	<b>2.90</b>
2009 Labor Cost	\$ -	\$ -	\$ -	\$ -	\$ 33.10	\$ -	\$ 8.81	\$ 15.13	\$ 6.54	\$ 63.58
2010 Labor Cost	\$ -	\$ -	\$ -	\$ -	\$ 12.79	\$ -	\$ -	\$ 7.79	\$ 6.73	\$ 27.31
<b>Total Labor Cost</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45.89</b>	<b>\$ -</b>	<b>\$ 8.81</b>	<b>\$ 22.92</b>	<b>\$ 13.27</b>	<b>\$ 90.88</b>

Schedule 2.11(b-1)  
 Direct Administrative Labor Hours Budgeted

GRADE LEVEL	IX	VIII	VII	VI	V	IV	III	II	I	TOTAL
2006 Rates	\$60.73	\$52.35	\$45.56	\$42.71	\$38.03	\$32.82	\$26.98	\$23.16	\$20.02	
2007 Rates	\$62.52	\$53.89	\$46.90	\$43.96	\$39.14	\$33.79	\$27.77	\$23.85	\$20.61	
2008 Rates	\$64.90	\$55.94	\$48.69	\$45.64	\$40.64	\$35.08	\$28.83	\$24.76	\$21.40	
2009 Rates	\$66.09	\$56.97	\$49.58	\$46.48	\$41.38	\$35.72	\$29.36	\$25.21	\$21.79	
2010 Rates	\$68.07	\$58.68	\$51.07	\$47.87	\$42.62	\$36.79	\$30.24	\$25.97	\$22.44	
<b>Task 7 - Tishcon Corp (New York Ave) - 130043V</b>										
2009 Hours	0.00	0.00	0.00	0.00	0.80	0.00	0.60	0.60	0.00	2.00
2010 Hours	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.30	0.30	0.90
<b>Total Hours</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.10</b>	<b>0.00</b>	<b>0.60</b>	<b>0.90</b>	<b>0.30</b>	<b>2.90</b>
2009 Labor Cost	\$ -	\$ -	\$ -	\$ -	\$ 33.10	\$ -	\$ 17.62	\$ 15.13	\$ -	\$ 65.85
2010 Labor Cost	\$ -	\$ -	\$ -	\$ -	\$ 12.79	\$ -	\$ -	\$ 7.79	\$ 6.73	\$ 27.31
<b>Total Labor Cost</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45.89</b>	<b>\$ -</b>	<b>\$ 17.62</b>	<b>\$ 22.92</b>	<b>\$ 6.73</b>	<b>\$ 93.16</b>
<b>2009 Total Labor Hours</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>14</b>
<b>2009 Total Direct Labor Cost (\$)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 231.73</b>	<b>\$ -</b>	<b>\$ 70.46</b>	<b>\$ 105.88</b>	<b>\$ 39.22</b>	<b>\$ 447.30</b>
<b>2010 Total Labor Hours</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>6</b>
<b>2010 Total Direct Labor Cost (\$)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 89.50</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 54.53</b>	<b>\$ 47.13</b>	<b>\$ 191.17</b>
<b>TOTAL LABOR HOURS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>2</b>	<b>6</b>	<b>4</b>	<b>20</b>
<b>TOTAL DIRECT LABOR COST</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 321</b>	<b>\$ -</b>	<b>\$ 70</b>	<b>\$ 160</b>	<b>\$ 86</b>	<b>\$ 638</b>

Contract/Project administrative hours would include (subject to contract allowability)  
 but not necessarily be limited to the following activities:

- 1) Work Plan Development
  - Conflict of Interest
  - Develop budget schedules & supporting documentation
- 2) Review work assignment (WA) progress
  - Conduct progress reviews
  - Prepare monthly project report
  - Update WA progress schedule
  - Prepare monthly M/WBE Utilization Repo
- 3) Review WA costs
  - Prepare monthly cost control report
  - Cost control reviews

Contract/Project administration hours would not include activities such as:

- 1) QA/QC reviews
- 2) Technical oversight by management
- 3) Develop subcontracts
- 4) CAP Preparation
  - Oversee and prepare monthly CAP
  - Respond to payment issues/disallowances
  - NSPE list updates
  - Equipment Inventory
- 5) Manage subcontracts
- 6) Implement and manage program management and staffing plans
- 7) Conduct Health and Safety Reviews.
- 8) Word processing and graphic artists
- 9) Report editing
- 10) Review of deliverables

**Engineer: Mactec Engineering and Consulting**  
**Contract Number: D004434**  
**Project Name: New Cassel Industrial Area - Site #130043**  
**Work Assignment Number: D004434-31**

Date Prepared: 10/8/2009

**Schedule 2.11(c)**  
**Direct Non-Salary Costs**

Item	Maximum Reimbursement Rate	Unit	Estimated No. of Units	Total Estimated Cost
<b>A) Sample Analysis Rates (In-House Cost Only)</b>				
1) Groundwater	\$0.00	each	0	\$0.00
2) Soil Vapor	\$0.00	each	0	\$0.00
3) Sub-slab samples	\$0.00	each	0	\$0.00
<b>TOTAL</b>				<b>\$0.00</b>
<b>B) Miscellaneous</b>				
<b>1) TRAVEL</b>				
Lodging	\$ 176.99	night+taxes	21	\$3,716.69
Meals and Incidentals <sup>1</sup>	\$ 64.00	day	21	\$1,008.00
Car Rental	\$ 52.99	day	7	\$370.93
Cargo Van Rental	\$ 69.85	day	7	\$488.95
Mileage	\$ 0.445	mile	0	\$0.00
LVE	\$ 10	person/day	21	\$210.00
Parking and Tolls	\$ 49.00	LS	1	\$49.00
Gas	Actual Costs	N/A	N/A	\$0.00
Air Fare	\$ -	avg. RT price	0	\$0.00
<b>TOTAL</b>				<b>\$5,843.57</b>
<b>2) CONSULTANT OTHER DIRECT COSTS</b>				
Printing/Photocopy	\$0.05	page	0	\$0.00
CAD Computer	\$7.50	hour	0	\$0.00
Telephone & Fax	Actual Costs	N/A	N/A	\$0.00
Shipping	Actual Costs	N/A	N/A	\$210.00
Consumables <sup>2</sup>	Actual Costs	N/A	N/A	\$0.00
Other	\$0.00	N/A	N/A	\$0.00
<b>TOTAL</b>				<b>\$210.00</b>
<b>Total ODCs</b>				<b>\$6,054</b>

Notes:

1. Total estimated cost for Meals and Incidentals adjusted to account for travel days.
2. See d(5) sheets.

**Engineer: Mactec Engineering and Consulting**  
**Contract Number: D004434**  
**Project Name: New Cassel Industrial Area - Site #130043**  
**Work Assignment Number: D004434-31**

**Date Prepared:**

**10/8/2009**

**Schedule 2.11(d) 3**  
**Maximum Reimbursement Rates for Vendor Rented Equipment**

(1) Item	(2) Task No.	(3) Max. Reimbursement Rate (\$)*	(4) Est. Usage (Unit of Time) +	(5) Est. Rental Cost (\$) (Col. 3 x 4)
Shop Vac	1	\$ 40.00	1 d	\$ 40.00
RAE Parts-per-Billion Surveyor	1	\$ 106.25	1 d	\$ 106.25
Impact Driver-Drill	1	\$ 50.00	1 d	\$ 50.00
Helium Tank	1	\$ 200.00	1 d	\$ 200.00
RadioDetection Helium Detector	1	\$ 150.00	1 d	\$ 150.00
Shop Vac	2	\$ 40.00	1 d	\$ 40.00
RAE Parts-per-Billion Surveyor	2	\$ 106.25	1 d	\$ 106.25
Impact Driver-Drill	2	\$ 50.00	1 d	\$ 50.00
Helium Tank	2	\$ 200.00	1 d	\$ 200.00
RadioDetection Helium Detector	2	\$ 150.00	1 d	\$ 150.00
Shop Vac	3	\$ 40.00	1 d	\$ 40.00
RAE Parts-per-Billion Surveyor	3	\$ 106.25	1 d	\$ 106.25
Impact Driver-Drill	3	\$ 50.00	1 d	\$ 50.00
Helium Tank	3	\$ 200.00	1 d	\$ 200.00
RadioDetection Helium Detector	3	\$ 150.00	1 d	\$ 150.00
Shop Vac	4	\$ 40.00	1 d	\$ 40.00
RAE Parts-per-Billion Surveyor	4	\$ 106.25	1 d	\$ 106.25
Impact Driver-Drill	4	\$ 50.00	1 d	\$ 50.00
Helium Tank	4	\$ 200.00	1 d	\$ 200.00
RadioDetection Helium Detector	4	\$ 150.00	1 d	\$ 150.00

**Engineer: Mactec Engineering and Consulting**  
**Contract Number: D004434**  
**Project Name: New Cassel Industrial Area - Site #130043**  
**Work Assignment Number: D004434-31**

**Date Prepared:**

**10/8/2009**

**Schedule 2.11(d) 3**  
**Maximum Reimbursement Rates for Vendor Rented Equipment**

(1) Item	(2) Task No.	(3) Max. Reimbursement Rate (\$)*	(4) Est. Usage (Unit of Time) +	(5) Est. Rental Cost (\$) (Col. 3 x 4)
Shop Vac	5	\$ 40.00	1 d	\$ 40.00
RAE Parts-per-Billion Surveyor	5	\$ 106.25	1 d	\$ 106.25
Impact Driver-Drill	5	\$ 50.00	1 d	\$ 50.00
Helium Tank	5	\$ 200.00	1 d	\$ 200.00
RadioDetection Helium Detector	5	\$ 150.00	1 d	\$ 150.00
				\$ -
Shop Vac	6	\$ 40.00	1 d	\$ 40.00
RAE Parts-per-Billion Surveyor	6	\$ 106.25	1 d	\$ 106.25
Impact Driver-Drill	6	\$ 50.00	1 d	\$ 50.00
Helium Tank	6	\$ 200.00	1 d	\$ 200.00
RadioDetection Helium Detector	6	\$ 150.00	1 d	\$ 150.00
				\$ -
Shop Vac	7	\$ 40.00	1 d	\$ 40.00
RAE Parts-per-Billion Surveyor	7	\$ 106.25	1 d	\$ 106.25
Impact Driver-Drill	7	\$ 50.00	1 d	\$ 50.00
Helium Tank	7	\$ 200.00	1 d	\$ 200.00
RadioDetection Helium Detector	7	\$ 150.00	1 d	\$ 150.00
				\$ -
<b>Total Vendor Rented Equipment</b>				<b>\$ 3,824</b>

Notes:

\* Reimbursement will be made at the Maximum Reimbursement rate or the actual rental rate, whichever is less.

+ Usage time includes shipping to and from site.



**Schedule 2.11(d) 5  
Consumable Supplies**

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31

Date Prepared: 10/8/2009

Task 1 - IMC Magnetics - 130043A				
Item	Estimated Quantity	Unit Cost (\$)	Unit	Total Budgeted Cost (\$) (Col. 2 x 3)
FIELD BOOK - HARDCOVER		\$ 10.50	EACH	\$ -
TOPOGRAPHIC MAPS		\$ 8.25	EACH	\$ -
AERIAL PHOTOGRAPHS		\$ 6.50	EACH	\$ -
GC Standards		\$ 35.00	EACH	\$ -
MISCELLANEOUS	2	\$ 50.00	EACH	\$ 100.00
FILM AND DEVELOPMENT		\$ 15.00		\$ -
<b>TOTAL COST:</b>				<b>\$ 100.00</b>
2 OZ SOIL JAR		\$ 2.13	EACH	\$ -
4 OZ SOIL JAR		\$ 2.69	EACH	\$ -
40 ML GLASS VIAL		\$ 1.33	EACH	\$ -
ACETONE, PESTICIDE GRADE		\$ 34.98	LITER	\$ -
BUBBLE PACK	20	\$ 0.16	FOOT	\$ 3.20
CAUTION TAPE	1	\$ 17.30	ROLL	\$ 17.30
DEIONIZED WATER	1	\$ 2.29	GALLON	\$ 2.29
DISPOSABLE BAILER		\$ 7.65	EACH	\$ -
DISPOSABLE INLINE FILTER		\$ 14.14	EACH	\$ -
DRAEGER TUBE		\$ 5.70	EACH	\$ -
EYE WASH BOTTLES - DISPOSABLE		\$ 5.64	EACH	\$ -
FIELD BOOK	1	\$ 7.47	EACH	\$ 7.47
FLAGGING		\$ 1.11	ROLL	\$ -
GRADE STAKES		\$ 12.36	BUNDLE	\$ -
HEXANE, PESTICIDE GRADE		\$ 38.08	LITER	\$ -
LIQUINOX	0.1	\$ 23.42	GALLON	\$ 2.34
METHANOL		\$ 28.89	LITER	\$ -
NITRIC ACID		\$ 47.00	500 mL	\$ -
PLASTIC SHEETING	1	\$ 34.06	ROLL	\$ 34.06
PLASTIC TUB		\$ 16.66	EACH	\$ -
RECORDABLE CD MEDIA		\$ 9.00	EACH	\$ -
TAPE DISPENSER	1	\$ 6.80	EACH	\$ 6.80
TEFLON COATED BAILER LINE		\$ 0.89	FOOT	\$ -
TUBING - PVC -CLEAR		\$ 0.33	FOOT	\$ -
TUBING - PVC - REINFORCED		\$ 0.57	FOOT	\$ -
TUBING - TEFLON/SILICON	12	\$ 3.22	FOOT	\$ 38.64
<b>SUBTOTAL:</b>				<b>\$ 112.10</b>
<b>Personal Protective Equipment</b>				
BOOTIES		\$ 2.57	PAIR	\$ -
COVERALLS		\$ 1.28	EACH	\$ -
COVERALLS, INSULATED	2	\$ 5.74	EACH	\$ 11.48
EAR PLUGS	2	\$ 0.15	PAIR	\$ 0.30
GLOVES - NITRILE		\$ 1.34	PAIR	\$ -
GLOVES - VITON *		\$ 54.00	PAIR	\$ -
GLOVES - COTTON LINERS		\$ 0.33	PAIR	\$ -
GLOVES - DISPOSABLE, VINYL	10	\$ 0.36	PAIR	\$ 3.60
GLOVES - SILVER SHIELD		\$ 4.15	PAIR	\$ -
PACKING/DUCT TAPE	1	\$ 4.27	ROLL	\$ 4.27
RESPIRATOR CARTRIDGES		\$ 17.25	PAIR	\$ -
TYVEK SUIT - POLY COATED		\$ 4.10	SUIT	\$ -
<b>SUBTOTAL:</b>				<b>\$ 19.65</b>
<b>TOTAL CONSUMABLE SUPPLIES</b>				<b>TOTAL COST: \$ 232</b>

**Notes:**

- \* Rates are in accordance with Table 2.10(c)5 of contract.
- \*\* Shall only be used on a case by case basis subject to DEC project manager approval.

**Schedule 2.11(d) 5  
Consumable Supplies**

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31

Date Prepared: 10/8/2009

Task 2 - Atlas Graphics - 130043B

Item	Estimated Quantity	Unit Cost (\$)	Unit	Total Budgeted Cost (\$) (Col. 2 x 3)
TOPOGRAPHIC MAPS		\$ 8.25	EACH	\$ -
AERIAL PHOTOGRAPHS		\$ 6.50	EACH	\$ -
GC Standards		\$ 35.00	EACH	\$ -
MISCELLANEOUS	2	\$ 50.00	EACH	\$ 100.00
FILM AND DEVELOPMENT		\$ 15.00		\$ -
<b>TOTAL COST:</b>				<b>\$ 100.00</b>
2 OZ SOIL JAR		\$ 2.13	EACH	\$ -
4 OZ SOIL JAR		\$ 2.69	EACH	\$ -
40 ML GLASS VIAL		\$ 1.33	EACH	\$ -
ACETONE, PESTICIDE GRADE		\$ 34.98	LITER	\$ -
BUBBLE PACK	20	\$ 0.16	FOOT	\$ 3.20
CAUTION TAPE	1	\$ 17.30	ROLL	\$ 17.30
DEIONIZED WATER	1	\$ 2.29	GALLON	\$ 2.29
DISPOSABLE BAILER		\$ 7.65	EACH	\$ -
DISPOSABLE INLINE FILTER		\$ 14.14	EACH	\$ -
DRAEGER TUBE		\$ 5.70	EACH	\$ -
EYE WASH BOTTLES - DISPOSABLE		\$ 5.64	EACH	\$ -
FIELD BOOK	1	\$ 7.47	EACH	\$ 7.47
FLAGGING		\$ 1.11	ROLL	\$ -
GRADE STAKES		\$ 12.36	BUNDLE	\$ -
HEXANE, PESTICIDE GRADE		\$ 38.06	LITER	\$ -
LIQUINOX	0.1	\$ 23.42	GALLON	\$ 2.34
METHANOL		\$ 28.89	LITER	\$ -
NITRIC ACID		\$ 47.00	500 mL	\$ -
PLASTIC SHEETING	1	\$ 34.06	ROLL	\$ 34.06
PLASTIC TUB		\$ 16.66	EACH	\$ -
RECORDABLE CD MEDIA		\$ 9.00	EACH	\$ -
TAPE DISPENSER	1	\$ 6.80	EACH	\$ 6.80
TEFLON COATED BAILER LINE		\$ 0.89	FOOT	\$ -
TUBING - PVC -CLEAR		\$ 0.33	FOOT	\$ -
TUBING - PVC - REINFORCED		\$ 0.57	FOOT	\$ -
TUBING - TEFLON/SILICON	12	\$ 3.22	FOOT	\$ 38.64
<b>SUBTOTAL:</b>				<b>\$ 112.10</b>
<b>Personal Protective Equipment</b>				
BOOTIES		\$ 2.57	PAIR	\$ -
COVERALLS		\$ 1.28	EACH	\$ -
COVERALLS, INSULATED	2	\$ 5.74	EACH	\$ 11.48
EAR PLUGS	2	\$ 0.15	PAIR	\$ 0.30
GLOVES - NITRILE		\$ 1.34	PAIR	\$ -
GLOVES - VITON *		\$ 54.00	PAIR	\$ -
GLOVES - COTTON LINERS		\$ 0.33	PAIR	\$ -
GLOVES - DISPOSABLE, VINYL	10	\$ 0.36	PAIR	\$ 3.60
GLOVES - SILVER SHIELD		\$ 4.15	PAIR	\$ -
PACKING/DUCT TAPE	1	\$ 4.27	ROLL	\$ 4.27
RESPIRATOR CARTRIDGES		\$ 17.25	PAIR	\$ -
TYVEK SUIT - POLY COATED		\$ 4.10	SUIT	\$ -
<b>SUBTOTAL:</b>				<b>\$ 19.65</b>
<b>TOTAL CONSUMABLE SUPPLIES</b>				<b>TOTAL COST: \$ 232</b>

**Notes:**

- \* Rates are in accordance with Table 2.10(c)5 of contract.
- \*\* Shall only be used on a case by case basis subject to DEC project manager approval.

**Schedule 2.11(d) 5  
Consumable Supplies**

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31

Date Prepared: 10/8/2009

Task 3 - Tishcon Corp (125 State Street) - 130

Item	Estimated Quantity	Unit Cost (\$)	Unit	Total Budgeted Cost (\$) (Col. 2 x 3)
TOPOGRAPHIC MAPS		\$ 8.25	EACH	\$ -
AERIAL PHOTOGRAPHS		\$ 6.50	EACH	\$ -
GC Standards		\$ 35.00	EACH	\$ -
MISCELLANEOUS	2	\$ 50.00	EACH	\$ 100.00
FILM AND DEVELOPMENT		\$ 15.00		\$ -
<b>TOTAL COST:</b>				<b>\$ 100.00</b>
2 OZ SOIL JAR		\$ 2.13	EACH	\$ -
4 OZ SOIL JAR		\$ 2.69	EACH	\$ -
40 ML GLASS VIAL		\$ 1.33	EACH	\$ -
ACETONE, PESTICIDE GRADE		\$ 34.98	LITER	\$ -
BUBBLE PACK	20	\$ 0.16	FOOT	\$ 3.20
CAUTION TAPE	1	\$ 17.30	ROLL	\$ 17.30
DEIONIZED WATER	1	\$ 2.29	GALLON	\$ 2.29
DISPOSABLE BAILER		\$ 7.65	EACH	\$ -
DISPOSABLE INLINE FILTER		\$ 14.14	EACH	\$ -
DRAEGER TUBE		\$ 5.70	EACH	\$ -
EYE WASH BOTTLES - DISPOSABLE		\$ 5.64	EACH	\$ -
FIELD BOOK	1	\$ 7.47	EACH	\$ 7.47
FLAGGING		\$ 1.11	ROLL	\$ -
GRADE STAKES		\$ 12.36	BUNDLE	\$ -
HEXANE, PESTICIDE GRADE		\$ 38.06	LITER	\$ -
LIQUINOX	0.1	\$ 23.42	GALLON	\$ 2.34
METHANOL		\$ 28.89	LITER	\$ -
NITRIC ACID		\$ 47.00	500 mL	\$ -
PLASTIC SHEETING	1	\$ 34.06	ROLL	\$ 34.06
PLASTIC TUB		\$ 16.66	EACH	\$ -
RECORDABLE CD MEDIA		\$ 9.00	EACH	\$ -
TAPE DISPENSER	1	\$ 6.80	EACH	\$ 6.80
TEFLON COATED BAILER LINE		\$ 0.89	FOOT	\$ -
TUBING - PVC - CLEAR		\$ 0.33	FOOT	\$ -
TUBING - PVC - REINFORCED		\$ 0.57	FOOT	\$ -
TUBING - TEFLON/SILICON	12	\$ 3.22	FOOT	\$ 38.64
<b>SUBTOTAL:</b>				<b>\$ 112.10</b>
<b>Personal Protective Equipment</b>				
BOOTIES		\$ 2.57	PAIR	\$ -
COVERALLS		\$ 1.28	EACH	\$ -
COVERALLS, INSULATED	2	\$ 5.74	EACH	\$ 11.48
EAR PLUGS	2	\$ 0.15	PAIR	\$ 0.30
GLOVES - NITRILE		\$ 1.34	PAIR	\$ -
GLOVES - VITON *		\$ 54.00	PAIR	\$ -
GLOVES - COTTON LINERS		\$ 0.33	PAIR	\$ -
GLOVES - DISPOSABLE, VINYL	10	\$ 0.36	PAIR	\$ 3.60
GLOVES - SILVER SHIELD		\$ 4.15	PAIR	\$ -
PACKING/DUCT TAPE	1	\$ 4.27	ROLL	\$ 4.27
RESPIRATOR CARTRIDGES		\$ 17.25	PAIR	\$ -
TYVEK SUIT - POLY COATED		\$ 4.10	SUIT	\$ -
<b>SUBTOTAL:</b>				<b>\$ 19.65</b>
<b>TOTAL CONSUMABLE SUPPLIES</b>				<b>TOTAL COST: \$ 232</b>

**Notes:**

- \* Rates are in accordance with Table 2.10(c)5 of contract.
- \*\* Shall only be used on a case by case basis subject to DEC project manager approval.

**Schedule 2.11(d) 5  
Consumable Supplies**

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31

Date Prepared: 10/8/2009

Task 4 - Former Tishcon Corp - 130043F

Item	Estimated Quantity	Unit Cost (\$)	Unit	Total Budgeted Cost (\$) (Col. 2 x 3)
TOPOGRAPHIC MAPS		\$ 8.25	EACH	\$ -
AERIAL PHOTOGRAPHS		\$ 6.50	EACH	\$ -
GC Standards		\$ 35.00	EACH	\$ -
MISCELLANEOUS	2	\$ 50.00	EACH	\$ 100.00
FILM AND DEVELOPMENT		\$ 15.00		\$ -
<b>TOTAL COST:</b>				<b>\$ 100.00</b>
2 OZ SOIL JAR		\$ 2.13	EACH	\$ -
4 OZ SOIL JAR		\$ 2.69	EACH	\$ -
40 ML GLASS VIAL		\$ 1.33	EACH	\$ -
ACETONE, PESTICIDE GRADE		\$ 34.98	LITER	\$ -
BUBBLE PACK	20	\$ 0.16	FOOT	\$ 3.20
CAUTION TAPE	1	\$ 17.30	ROLL	\$ 17.30
DEIONIZED WATER	1	\$ 2.29	GALLON	\$ 2.29
DISPOSABLE BAILER		\$ 7.65	EACH	\$ -
DISPOSABLE INLINE FILTER		\$ 14.14	EACH	\$ -
DRAEGER TUBE		\$ 5.70	EACH	\$ -
EYE WASH BOTTLES - DISPOSABLE		\$ 5.64	EACH	\$ -
FIELD BOOK	1	\$ 7.47	EACH	\$ 7.47
FLAGGING		\$ 1.11	ROLL	\$ -
GRADE STAKES		\$ 12.36	BUNDLE	\$ -
HEXANE, PESTICIDE GRADE		\$ 38.06	LITER	\$ -
LIQUINOX	0.1	\$ 23.42	GALLON	\$ 2.34
METHANOL		\$ 28.89	LITER	\$ -
NITRIC ACID		\$ 47.00	500 mL	\$ -
PLASTIC SHEETING	1	\$ 34.06	ROLL	\$ 34.06
PLASTIC TUB		\$ 16.66	EACH	\$ -
RECORDABLE CD MEDIA		\$ 9.00	EACH	\$ -
TAPE DISPENSER	1	\$ 6.80	EACH	\$ 6.80
TEFLON COATED BAILER LINE		\$ 0.89	FOOT	\$ -
TUBING - PVC - CLEAR		\$ 0.33	FOOT	\$ -
TUBING - PVC - REINFORCED		\$ 0.57	FOOT	\$ -
TUBING - TEFLON/SILICON	12	\$ 3.22	FOOT	\$ 38.64
<b>SUBTOTAL:</b>				<b>\$ 112.10</b>
<b>Personal Protective Equipment</b>				
BOOTIES		\$ 2.57	PAIR	\$ -
COVERALLS		\$ 1.28	EACH	\$ -
COVERALLS, INSULATED	2	\$ 5.74	EACH	\$ 11.48
EAR PLUGS	2	\$ 0.15	PAIR	\$ 0.30
GLOVES - NITRILE		\$ 1.34	PAIR	\$ -
GLOVES - VITON *		\$ 54.00	PAIR	\$ -
GLOVES - COTTON LINERS		\$ 0.33	PAIR	\$ -
GLOVES - DISPOSABLE, VINYL	10	\$ 0.36	PAIR	\$ 3.60
GLOVES - SILVER SHIELD		\$ 4.15	PAIR	\$ -
PACKING/DUCT TAPE	1	\$ 4.27	ROLL	\$ 4.27
RESPIRATOR CARTRIDGES		\$ 17.25	PAIR	\$ -
TYVEK SUIT - POLY COATED		\$ 4.10	SUIT	\$ -
<b>SUBTOTAL:</b>				<b>\$ 19.65</b>
<b>TOTAL CONSUMABLE SUPPLIES</b>				<b>TOTAL COST: \$ 232</b>

**Notes:**

- \* Rates are in accordance with Table 2.10(c)5 of contract.
- \*\* Shall only be used on a case by case basis subject to DEC project manager approval.

**Schedule 2.11(d) 5  
Consumable Supplies**

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31

Date Prepared: 10/8/2009

Task 5 - Former Laka Industries, Inc - 130043

Item	Estimated Quantity	Unit Cost (\$)	Unit	Total Budgeted Cost (\$) (Col. 2 x 3)
TOPOGRAPHIC MAPS		\$ 8.25	EACH	\$ -
AERIAL PHOTOGRAPHS		\$ 6.50	EACH	\$ -
GC Standards		\$ 35.00	EACH	\$ -
MISCELLANEOUS	2	\$ 50.00	EACH	\$ 100.00
FILM AND DEVELOPMENT		\$ 15.00		\$ -
<b>TOTAL COST:</b>				<b>\$ 100.00</b>
2 OZ SOIL JAR		\$ 2.13	EACH	\$ -
4 OZ SOIL JAR		\$ 2.69	EACH	\$ -
40 ML GLASS VIAL		\$ 1.33	EACH	\$ -
ACETONE, PESTICIDE GRADE		\$ 34.98	LITER	\$ -
BUBBLE PACK	20	\$ 0.16	FOOT	\$ 3.20
CAUTION TAPE	1	\$ 17.30	ROLL	\$ 17.30
DEIONIZED WATER	1	\$ 2.29	GALLON	\$ 2.29
DISPOSABLE BAILER		\$ 7.65	EACH	\$ -
DISPOSABLE INLINE FILTER		\$ 14.14	EACH	\$ -
DRAEGER TUBE		\$ 5.70	EACH	\$ -
EYE WASH BOTTLES - DISPOSABLE		\$ 5.64	EACH	\$ -
FIELD BOOK	1	\$ 7.47	EACH	\$ 7.47
FLAGGING		\$ 1.11	ROLL	\$ -
GRADE STAKES		\$ 12.36	BUNDLE	\$ -
HEXANE, PESTICIDE GRADE		\$ 38.06	LITER	\$ -
LIQUINOX	0.1	\$ 23.42	GALLON	\$ 2.34
METHANOL		\$ 28.89	LITER	\$ -
NITRIC ACID		\$ 47.00	500 mL	\$ -
PLASTIC SHEETING	1	\$ 34.06	ROLL	\$ 34.06
PLASTIC TUB		\$ 16.66	EACH	\$ -
RECORDABLE CD MEDIA		\$ 9.00	EACH	\$ -
TAPE DISPENSER	1	\$ 6.80	EACH	\$ 6.80
TEFLON COATED BAILER LINE		\$ 0.89	FOOT	\$ -
TUBING - PVC - CLEAR		\$ 0.33	FOOT	\$ -
TUBING - PVC - REINFORCED		\$ 0.57	FOOT	\$ -
TUBING - TEFLON/SILICON	12	\$ 3.22	FOOT	\$ 38.64
<b>SUBTOTAL:</b>				<b>\$ 112.10</b>
<b>Personal Protective Equipment</b>				
BOOTIES		\$ 2.57	PAIR	\$ -
COVERALLS		\$ 1.28	EACH	\$ -
COVERALLS, INSULATED	2	\$ 5.74	EACH	\$ 11.48
EAR PLUGS	2	\$ 0.15	PAIR	\$ 0.30
GLOVES - NITRILE		\$ 1.34	PAIR	\$ -
GLOVES - VITON *		\$ 54.00	PAIR	\$ -
GLOVES - COTTON LINERS		\$ 0.33	PAIR	\$ -
GLOVES - DISPOSABLE, VINYL	10	\$ 0.36	PAIR	\$ 3.60
GLOVES - SILVER SHIELD		\$ 4.15	PAIR	\$ -
PACKING/DUCT TAPE	1	\$ 4.27	ROLL	\$ 4.27
RESPIRATOR CARTRIDGES		\$ 17.25	PAIR	\$ -
TYVEK SUIT - POLY COATED		\$ 4.10	SUIT	\$ -
<b>SUBTOTAL:</b>				<b>\$ 19.65</b>
<b>TOTAL CONSUMABLE SUPPLIES</b>				<b>TOTAL COST: \$ 232</b>

**Notes:**

- \* Rates are in accordance with Table 2.10(c)5 of contract.
- \*\* Shall only be used on a case by case basis subject to DEC project manager approval.

**Schedule 2.11(d) 5  
Consumable Supplies**

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31

Date Prepared: 10/8/2009

Task 6 - EZ-EM, Inc - 130043N

Item	Estimated Quantity	Unit Cost (\$)	Unit	Total Budgeted Cost (\$) (Col. 2 x 3)
TOPOGRAPHIC MAPS		\$ 8.25	EACH	\$ -
AERIAL PHOTOGRAPHS		\$ 6.50	EACH	\$ -
GC Standards		\$ 35.00	EACH	\$ -
MISCELLANEOUS	2	\$ 50.00	EACH	\$ 100.00
FILM AND DEVELOPMENT		\$ 15.00		\$ -
<b>TOTAL COST:</b>				<b>\$ 100.00</b>
2 OZ SOIL JAR		\$ 2.13	EACH	\$ -
4 OZ SOIL JAR		\$ 2.69	EACH	\$ -
40 ML GLASS VIAL		\$ 1.33	EACH	\$ -
ACETONE, PESTICIDE GRADE		\$ 34.98	LITER	\$ -
BUBBLE PACK	20	\$ 0.16	FOOT	\$ 3.20
CAUTION TAPE	1	\$ 17.30	ROLL	\$ 17.30
DEIONIZED WATER	1	\$ 2.29	GALLON	\$ 2.29
DISPOSABLE BAILER		\$ 7.65	EACH	\$ -
DISPOSABLE INLINE FILTER		\$ 14.14	EACH	\$ -
DRAEGER TUBE		\$ 5.70	EACH	\$ -
EYE WASH BOTTLES - DISPOSABLE		\$ 5.64	EACH	\$ -
FIELD BOOK	1	\$ 7.47	EACH	\$ 7.47
FLAGGING		\$ 1.11	ROLL	\$ -
GRADE STAKES		\$ 12.36	BUNDLE	\$ -
HEXANE, PESTICIDE GRADE		\$ 38.06	LITER	\$ -
LIQUINOX	0.1	\$ 23.42	GALLON	\$ 2.34
METHANOL		\$ 28.89	LITER	\$ -
NITRIC ACID		\$ 47.00	500 mL	\$ -
PLASTIC SHEETING	1	\$ 34.06	ROLL	\$ 34.06
PLASTIC TUB		\$ 16.66	EACH	\$ -
RECORDABLE CD MEDIA		\$ 9.00	EACH	\$ -
TAPE DISPENSER	1	\$ 6.80	EACH	\$ 6.80
TEFLON COATED BAILER LINE		\$ 0.89	FOOT	\$ -
TUBING - PVC - CLEAR		\$ 0.33	FOOT	\$ -
TUBING - PVC - REINFORCED		\$ 0.57	FOOT	\$ -
TUBING - TEFLON/SILICON	12	\$ 3.22	FOOT	\$ 38.64
<b>SUBTOTAL:</b>				<b>\$ 112.10</b>
<b>Personal Protective Equipment</b>				
BOOTIES		\$ 2.57	PAIR	\$ -
COVERALLS		\$ 1.28	EACH	\$ -
COVERALLS, INSULATED	2	\$ 5.74	EACH	\$ 11.48
EAR PLUGS	2	\$ 0.15	PAIR	\$ 0.30
GLOVES - NITRILE		\$ 1.34	PAIR	\$ -
GLOVES - VITON *		\$ 54.00	PAIR	\$ -
GLOVES - COTTON LINERS		\$ 0.33	PAIR	\$ -
GLOVES - DISPOSABLE, VINYL	10	\$ 0.36	PAIR	\$ 3.60
GLOVES - SILVER SHIELD		\$ 4.15	PAIR	\$ -
PACKING/DUCT TAPE	1	\$ 4.27	ROLL	\$ 4.27
RESPIRATOR CARTRIDGES		\$ 17.25	PAIR	\$ -
TYVEK SUIT - POLY COATED		\$ 4.10	SUIT	\$ -
<b>SUBTOTAL:</b>				<b>\$ 19.65</b>
<b>TOTAL CONSUMABLE SUPPLIES</b>				<b>TOTAL COST: \$ 232</b>

**Notes:**

- \* Rates are in accordance with Table 2.10(c)5 of contract.
- \*\* Shall only be used on a case by case basis subject to DEC project manager approval.

**Schedule 2.11(d) 5  
Consumable Supplies**

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31

Date Prepared: 10/8/2009

Task 7 - Tishcon Corp (New York Ave) - 13004

Item	Estimated Quantity	Unit Cost (\$)	Unit	Total Budgeted Cost (\$) (Col. 2 x 3)
TOPOGRAPHIC MAPS		\$ 8.25	EACH	\$ -
AERIAL PHOTOGRAPHS		\$ 6.50	EACH	\$ -
GC Standards		\$ 35.00	EACH	\$ -
MISCELLANEOUS	2	\$ 50.00	EACH	\$ 100.00
FILM AND DEVELOPMENT		\$ 15.00		\$ -
<b>TOTAL COST:</b>				<b>\$ 100.00</b>
<b>2 OZ SOIL JAR</b>				
		\$ 2.13	EACH	\$ -
<b>4 OZ SOIL JAR</b>				
		\$ 2.69	EACH	\$ -
<b>40 ML GLASS VIAL</b>				
		\$ 1.33	EACH	\$ -
<b>ACETONE, PESTICIDE GRADE</b>				
		\$ 34.98	LITER	\$ -
BUBBLE PACK	20	\$ 0.16	FOOT	\$ 3.20
CAUTION TAPE	1	\$ 17.30	ROLL	\$ 17.30
DEIONIZED WATER	1	\$ 2.29	GALLON	\$ 2.29
DISPOSABLE BAILER		\$ 7.65	EACH	\$ -
DISPOSABLE INLINE FILTER		\$ 14.14	EACH	\$ -
DRAEGER TUBE		\$ 5.70	EACH	\$ -
EYE WASH BOTTLES - DISPOSABLE		\$ 5.64	EACH	\$ -
FIELD BOOK	1	\$ 7.47	EACH	\$ 7.47
FLAGGING		\$ 1.11	ROLL	\$ -
GRADE STAKES		\$ 12.36	BUNDLE	\$ -
HEXANE, PESTICIDE GRADE		\$ 38.06	LITER	\$ -
LIQUINOX	0.1	\$ 23.42	GALLON	\$ 2.34
METHANOL		\$ 28.89	LITER	\$ -
NITRIC ACID		\$ 47.00	500 mL	\$ -
PLASTIC SHEETING	1	\$ 34.06	ROLL	\$ 34.06
PLASTIC TUB		\$ 16.66	EACH	\$ -
RECORDABLE CD MEDIA		\$ 9.00	EACH	\$ -
TAPE DISPENSER	1	\$ 6.80	EACH	\$ 6.80
TEFLON COATED BAILER LINE		\$ 0.89	FOOT	\$ -
TUBING - PVC - CLEAR		\$ 0.33	FOOT	\$ -
TUBING - PVC - REINFORCED		\$ 0.57	FOOT	\$ -
TUBING - TEFLON/SILICON	12	\$ 3.22	FOOT	\$ 38.64
<b>SUBTOTAL:</b>				<b>\$ 112.10</b>
<b>Personal Protective Equipment</b>				
BOOTIES		\$ 2.57	PAIR	\$ -
COVERALLS		\$ 1.28	EACH	\$ -
COVERALLS, INSULATED	2	\$ 5.74	EACH	\$ 11.48
EAR PLUGS	2	\$ 0.15	PAIR	\$ 0.30
GLOVES - NITRILE		\$ 1.34	PAIR	\$ -
GLOVES - VITON *		\$ 54.00	PAIR	\$ -
GLOVES - COTTON LINERS		\$ 0.33	PAIR	\$ -
GLOVES - DISPOSABLE, VINYL	10	\$ 0.36	PAIR	\$ 3.60
GLOVES - SILVER SHIELD		\$ 4.15	PAIR	\$ -
PACKING/DUCT TAPE	1	\$ 4.27	ROLL	\$ 4.27
RESPIRATOR CARTRIDGES		\$ 17.25	PAIR	\$ -
TYVEK SUIT - POLY COATED		\$ 4.10	SUIT	\$ -
<b>SUBTOTAL:</b>				<b>\$ 19.65</b>
<b>TOTAL CONSUMABLE SUPPLIES</b>				<b>TOTAL COST: \$ 232</b>

**Notes:**

- \* Rates are in accordance with Table 2.10(c)5 of contract.
- \*\* Shall only be used on a case by case basis subject to DEC project manager approval.

Engineer: Mactec Engineering and Consulting

Date Prepared:

10/08/09

Contract Number: D004434

Project Name: New Cassel Industrial Area - Site #130043

Work Assignment Number: D004434-31

Schedule 2.11(f)  
Unit Price Subcontracts

IMC Magnetics - 130043A				
Name of Subcontractor		Service	Price	Management Fee
woman owned buisness				
Centek Laboratory		Lab Services - Air	\$ 1,290	\$ 52
Item	Units	UOM	Unit Cost	Total Cost
Indoor Air - TO15 VOCs	3	\$	\$215	\$ 645.00
SubSlab Air - TO15 VOCs	2	\$	\$215	\$ 430.00
Duplicate or Ambient	1	\$	\$215	\$ 215.00

Subtotal Cost: \$ 1,290  
 Management Fee: \$ 52  
 Total: \$ 1,342



Engineer: Mactec Engineering and Consulting

Date Prepared:

10/08/09

Contract Number: D004434

Project Name: New Cassel Industrial Area - Site #130043

Work Assignment Number: D004434-31

Schedule 2.11(f)

Unit Price Subcontracts

Atlas Graphics - 130043B				
Name of Subcontractor	Service	Price	Management Fee	
woman owned bulness				
Centek Laboratory	Lab Services - Air	\$ 1,290	\$ 52	
Item	Units	UOM	Unit Cost	Total Cost
Indoor Air - TO15 VOCs	3	\$	\$215	\$ 645.00
SubSlab Air - TO15 VOCs	2	\$	\$215	\$ 430.00
Duplicate or Ambient	1	\$	\$215	\$ 215.00

Subtotal Cost: \$ 1,290  
 Management Fee: \$ 52  
 Total: \$ 1,342

Engineer: Mactec Engineering and Consulting

Date Prepared:

10/08/09

Contract Number: D004434

Project Name: New Cassel Industrial Area - Site #130043

Work Assignment Number: D004434-31

Schedule 2.11(f)  
Unit Price Subcontracts

Tishcon Corp (125 State Street) - 130043C				
Name of Subcontractor		Service	Price	Management Fee
woman owned buisness				
Centek Laboratory		Lab Services - Air	\$ 1,290	\$ 52
Item	Units	UOM	Unit Cost	Total Cost
Indoor Air - TO15 VOCs	3	\$	\$215	\$ 645.00
SubSlab Air - TO15 VOCs	2	\$	\$215	\$ 430.00
Duplicate or Ambient	1	\$	\$215	\$ 215.00

Subtotal Cost: \$ 1,290  
 Management Fee: \$ 52  
 Total: \$ 1,342

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31

Date Prepared: 10/08/09

Schedule 2.11(f)  
 Unit Price Subcontracts

Former Tishcon Corp - 130043F					
Name of Subcontractor	Service	Price	Management Fee		
woman owned business					
Centek Laboratory	Lab Services - Air	\$ 1,290	\$ 52		
Item	Units	UOM	Unit Cost	Total Cost	
Indoor Air - TO15 VOCs	3	\$	\$215	\$ 645.00	
SubSlab Air - TO15 VOCs	2	\$	\$215	\$ 430.00	
Duplicate or Ambient	1	\$	\$215	\$ 215.00	

Subtotal Cost: \$ 1,290  
 Management Fee: \$ 52  
 Total: \$ 1,342

Engineer: Mactec Engineering and Consulting

Date Prepared:

10/08/09

Contract Number: D004434

Project Name: New Cassel Industrial Area - Site #130043

Work Assignment Number: D004434-31

Schedule 2.11(f)  
Unit Price Subcontracts

Former Laka Industries, Inc - 130043K					
Name of Subcontractor		Service	Price	Management Fee	
woman owned buisness					
Centek Laboratory		Lab Services - Air	\$ 1,290	\$ 52	
Item	Units	UOM	Unit Cost	Total Cost	
Indoor Air - TO15 VOCs	3	\$	\$215	\$ 645.00	
SubSlab Air - TO15 VOCs	2	\$	\$215	\$ 430.00	
Duplicate or Ambient	1	\$	\$215	\$ 215.00	

Subtotal Cost: \$ 1,290  
 Management Fee: \$ 52  
 Total: \$ 1,342

Engineer: Mactec Engineering and Consulting

Date Prepared:

10/08/09

Contract Number: D004434

Project Name: New Cassel Industrial Area - Site #130043

Work Assignment Number: D004434-31

Schedule 2.11(f)

Unit Price Subcontracts

EZ-EM, Inc - 130043N					
Name of Subcontractor		Service	Price	Management Fee	
woman owned buisness					
Centek Laboratory		Lab Services - Air	\$ 1,290	\$ 52	
Item	Units	UOM	Unit Cost	Total Cost	
Indoor Air - TO15 VOCs	3	\$	\$215	\$ 645.00	
SubSlab Air - TO15 VOCs	2	\$	\$215	\$ 430.00	
Duplicate or Ambient	1	\$	\$215	\$ 215.00	

Subtotal Cost: \$ 1,290  
 Management Fee: \$ 52  
 Total: \$ 1,342

Engineer: Mactec Engineering and Consulting

Date Prepared:

10/08/09

Contract Number: D004434

Project Name: New Cassel Industrial Area - Site #130043

Work Assignment Number: D004434-31

Schedule 2.11(f)  
Unit Price Subcontracts

Tishcon Corp (New York Ave) - 130043V					
Name of Subcontractor	Service	Price	Management Fee		
woman owned buisness					
Centek Laboratory	Lab Services - Air	\$ 1,290	\$ 52		
Item	Units	UOM	Unit Cost	Total Cost	
Indoor Air - TO15 VOCs	3	\$	\$215	\$ 645.00	
SubSlab Air - TO15 VOCs	2	\$	\$215	\$ 430.00	
Duplicate or Ambient	1	\$	\$215	\$ 215.00	

Subtotal Cost: \$ 1,290  
 Management Fee: \$ 52  
 Total: \$ 1,342

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31

Date Prepared: 10/08/09

Schedule 2.11(f)  
 Unit Price Subcontracts

Tishcon Corp (New York Ave) - 130043V		7		
Name of Subcontractor	Service	Price	Management Fee	
woman owned buisness	Direct Push Geoprobe sampling	\$ 2,495	\$ 100	
Aztech				
Item	Units	UOM	Unit Cost	Total Cost
<b>Geoprobe Subsurface Investigation</b>				
1 Soil boring beneath the building				\$ -
Mobilization	1	\$/s	\$1,215	\$ 1,215.00
Direct Push System - Special Access Mounted (ATV Skid)	1	\$/day	\$1,200	\$ 1,200.00
Temporary Decon Pad	1	\$/s	incl	-
Cost to supply USDOT 55 gallon drum (solid and/or liquid)	1	\$/s	\$70	\$ 70.00
Concrete	1	\$/bag	10	\$ 10.00

Subtotal Cost: \$ 2,495  
 Management Fee: \$ 100  
 Total: \$ 2,595

Engineer: Mactec Engineering and Consulting

Date Prepared:

10/08/09

Contract Number: D004434

Project Name: New Cassel Industrial Area - Site #130043

Work Assignment Number: D004434-31

Schedule 2.11(f)  
Unit Price Subcontracts

Tishcon Corp (New York Ave) - 130043V					
Name of Subcontractor	Service	Price	Management Fee		
minority owned buisness	Laboratory Services - Soil Analysis	\$ 176	\$ 7		
Chemtech					
Item	Units	UOM	Unit Cost	Total Cost	
Geoprobe Soil Samples VOCs - 8260 (non-aqueous) # units incl 1 sample , 1 trip blank	2	EA	\$88	\$ 176.00	

Subtotal Cost: \$ 176  
Management Fee: \$ 7  
Total: \$ 183



SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31  
 Task #/Name: All Tasks  
 Complete: 0.0%

Page: 1 OF 8  
 Date Prepared: 10/08/09  
 Billing Period:  
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completior	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,766	\$ -
2. Indirect Costs 166.6%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,600	\$ -
3. Subtotal Direct Salary Costs and Indirect Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 39,366	\$ -
4. Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,844	\$ -
5. Other Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,656	\$ -
6. Subtotal Direct Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,500	\$ -
7. Subcontractors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,701	\$ -
7a. Management Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 468	\$ -
8. Total Site Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 63,034	\$ -
9. Fixed Fee 5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,968	\$ -
10. Total Site Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,003	\$ -

Program Manager (Engineer) \_\_\_\_\_

Date: \_\_\_\_\_

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31  
 Task #/Name: Task 1 - IMC Magnetics - 130043A  
 Complete: 0.0%

Page: 2 OF 8  
 Date Prepared: 10/08/09  
 Billing Period:  
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completior	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,101	\$ -
2. Indirect Costs 166.6%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,501	\$ -
3. Subtotal Direct Salary Costs and Indirect Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,602	\$ -
4. Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 835	\$ -
5. Other Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808	\$ -
6. Subtotal Direct Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,643	\$ -
7. Subcontractors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,290	\$ -
7a. Management Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52	\$ -
8. Total Task Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,586	\$ -
9. Fixed Fee 5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 280	\$ -
10. Total Task Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,867	\$ -

Program Manager (Engineer) \_\_\_\_\_

Date: \_\_\_\_\_

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31  
 Task #/Name: Task 2 - Atlas Graphics - 130043B  
 Complete: 0.0%

Page: 3 OF 8  
 Date Prepared: 10/08/09  
 Billing Period:  
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completior	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,101	\$ -
2. Indirect Costs 166.6%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,501	\$ -
3. Subtotal Direct Salary Costs and Indirect Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,602	\$ -
4. Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 835	\$ -
5. Other Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808	\$ -
6. Subtotal Direct Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,643	\$ -
7. Subcontractors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,290	\$ -
7a. Management Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52	\$ -
8. Total Task Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,586	\$ -
9. Fixed Fee 5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 280	\$ -
10. Total Task Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,867	\$ -

Program Manager (Engineer) \_\_\_\_\_

Date: \_\_\_\_\_

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31  
 Task #/Name: Task 3 - Tishcon Corp (125 State Street) - 130043C  
 Complete: 0.0%

Page: 4 OF 8  
 Date Prepared: 10/08/09  
 Billing Period:  
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completior	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,101	\$ -
2. Indirect Costs 166.6%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,501	\$ -
3. Subtotal Direct Salary Costs and Indirect Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,602	\$ -
4. Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 835	\$ -
5. Other Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808	\$ -
6. Subtotal Direct Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,643	\$ -
7. Subcontractors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,290	\$ -
7a. Management Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52	\$ -
8. Total Task Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,586	\$ -
9. Fixed Fee 5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 280	\$ -
10. Total Task Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,867	\$ -

Program Manager (Engineer) \_\_\_\_\_

Date: \_\_\_\_\_

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31  
 Task #/Name: Task 4 - Former Tishcon Corp - 130043F  
 Complete: 0.0%

Page: 5 OF 8  
 Date Prepared: 10/08/09  
 Billing Period:  
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completior	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,101	\$ -
2. Indirect Costs 166.6%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,501	\$ -
3. Subtotal Direct Salary Costs and Indirect Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,602	\$ -
4. Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 835	\$ -
5. Other Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808	\$ -
6. Subtotal Direct Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,643	\$ -
7. Subcontractors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,290	\$ -
7a. Management Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52	\$ -
8. Total Task Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,586	\$ -
9. Fixed Fee 5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 280	\$ -
10. Total Task Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,867	\$ -

Program Manager (Engineer) \_\_\_\_\_

Date: \_\_\_\_\_

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31  
 Task #/Name: Task 5 - Former Laka Industries, Inc - 130043K  
 Complete: 0.0%

Page: 6 OF 8  
 Date Prepared: 10/08/09  
 Billing Period:  
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completior	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,101	\$ -
2. Indirect Costs 166.6%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,501	\$ -
3. Subtotal Direct Salary Costs and Indirect Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,602	\$ -
4. Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 835	\$ -
5. Other Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808	\$ -
6. Subtotal Direct Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,643	\$ -
7. Subcontractors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,290	\$ -
7a. Management Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52	\$ -
8. Total Task Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,586	\$ -
9. Fixed Fee 5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 280	\$ -
10. Total Task Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,867	\$ -

Program Manager (Engineer) \_\_\_\_\_

Date: \_\_\_\_\_

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31  
 Task #/Name: Task 6 - EZ-EM, Inc - 130043N  
 Complete: 0.0%

Page: 7 OF 8  
 Date Prepared: 10/08/09  
 Billing Period:  
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completior	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,101	\$ -
2. Indirect Costs 166.6%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,501	\$ -
3. Subtotal Direct Salary Costs and Indirect Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,602	\$ -
4. Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 835	\$ -
5. Other Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808	\$ -
6. Subtotal Direct Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,643	\$ -
7. Subcontractors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,290	\$ -
7a. Management Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52	\$ -
8. Total Task Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,586	\$ -
9. Fixed Fee 5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 280	\$ -
10. Total Task Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,867	\$ -

Program Manager (Engineer) \_\_\_\_\_

Date: \_\_\_\_\_

SCHEDULE 2.11(g)

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31  
 Task #/Name: Task 7 - Tishcon Corp (New York Ave) - 130043V  
 Complete: 0.0%

Page: 8 OF 8  
 Date Prepared: 10/08/09  
 Billing Period:  
 Invoice No.

Expenditure Category	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completior	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,158	\$ -
2. Indirect Costs 166.6%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,595	\$ -
3. Subtotal Direct Salary Costs and Indirect Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,754	\$ -
4. Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 835	\$ -
5. Other Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808	\$ -
6. Subtotal Direct Non-Salary Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,643	\$ -
7. Subcontractors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,961	\$ -
7a. Management Fee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 158	\$ -
8. Total Task Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,516	\$ -
9. Fixed Fee 5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 288	\$ -
10. Total Task Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,803	\$ -

Program Manager (Engineer) \_\_\_\_\_

Date: \_\_\_\_\_



**Schedule 2.11(g) - Supplemental  
COST CONTROL REPORT FOR SUBCONTRACTS**

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31

Page 1 of 1  
 Date Prepared: 10/08/09  
 Billing Period:  
 Invoice No.

IMC Magnetics - 130043A ▼

Subcontract Name	A Subcontract Costs Claimed This Application Incl. Resubmittals	B Subcontract Costs Approved For Payment on Previous Applications	C Total Subcontract Costs To Date (A plus B)	D Subcontract Approved Budget	Management Fee This Application	Management Fee Previous Applications	F Management Fee Paid	E Management Fee Budget
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
Centek Laboratory			\$ -	\$ 1,290.00			\$ -	\$ 51.60
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
<b>TOTALS</b>	\$ -	\$ -	\$ -	\$ 1,290.00			\$ -	\$ 52.00

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

**NOTES:**

- (1) Costs listed in Columns A, B, C & D do not include any management fee costs.
- (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.
- (3) Line 11, Column G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

Schedule 2.11(g) - Supplemental  
COST CONTROL REPORT FOR SUBCONTRACTS

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31

Page 1 of 1  
 Date Prepared: 10/08/09  
 Billing Period:  
 Invoice No.

Atlas Graphics - 130043B ▼

Subcontract Name	A Subcontract Costs Claimed This Application Incl. Resubmittals	B Subcontract Costs Approved For Payment on Previous Applications	C Total Subcontract Costs To Date (A plus B)	D Subcontract Approved Budget	Management Fee This Application	Management Fee Previous Applications	F Management Fee Paid	E Management Fee Budget
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
Centek Laboratory			\$ -	\$ 1,290.00			\$ -	\$ 51.60
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
<b>TOTALS</b>	\$ -	\$ -	\$ -	\$ 1,290.00			\$ -	\$ 52.00

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

**NOTES:**

- (1) Costs listed in Columns A, B, C & D do not include any management fee costs.
- (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.
- (3) Line 11, Column G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

Schedule 2.11(g) - Supplemental  
COST CONTROL REPORT FOR SUBCONTRACTS

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31

Page 1 of 1  
 Date Prepared: 10/08/09  
 Billing Period:  
 Invoice No.

Tishcon Corp (125 State Street) - 130043C ▼

Subcontract Name	A Subcontract Costs Claimed This Application Incl. Resubmittals	B Subcontract Costs Approved For Payment on Previous Applications	C Total Subcontract Costs To Date (A plus B)	D Subcontract Approved Budget	Management Fee This Application	Management Fee Previous Applications	F Management Fee Paid	E Management Fee Budget
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
Centek Laboratory			\$ -	\$ 1,290.00			\$ -	\$ 51.60
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
<b>TOTALS</b>	\$ -	\$ -	\$ -	\$ 1,290.00			\$ -	\$ 52.00

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

**NOTES:**

- (1) Costs listed in Columns A, B, C & D do not include any management fee costs.
- (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.
- (3) Line 11, Column G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

Schedule 2.11(g) - Supplemental  
COST CONTROL REPORT FOR SUBCONTRACTS

Engineer: Mactec Engineering and Consulting  
Contract Number: D004434  
Project Name: New Cassel Industrial Area - Site #130043  
Work Assignment Number: D004434-31

Page 1 of 1  
Date Prepared: 10/08/09  
Billing Period:  
Invoice No.

Former Tishcon Corp - 130043F ▼

Subcontract Name	A Subcontract Costs Claimed This Application Incl. Resubmittals	B Subcontract Costs Approved For Payment on Previous Applications	C Total Subcontract Costs To Date (A plus B)	D Subcontract Approved Budget	Management Fee This Application	Management Fee Previous Applications	F Management Fee Paid	E Management Fee Budget
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
Centek Laboratory			\$ -	\$ 1,290.00			\$ -	\$ 51.60
			\$ -	\$ -			\$ -	\$ -
<b>TOTALS</b>	\$ -	\$ -	\$ -	\$ 1,290.00			\$ -	\$ 52.00

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

**NOTES:**

- (1) Costs listed in Columns A, B, C & D do not include any management fee costs.
- (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.
- (3) Line 11, Column G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

Schedule 2.11(g) - Supplemental  
COST CONTROL REPORT FOR SUBCONTRACTS

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31

Page 1 of 1  
 Date Prepared: 10/08/09  
 Billing Period:  
 Invoice No.

Former Laka Industries, Inc - 130043K ▼

Subcontract Name	A Subcontract Costs Claimed This Application Incl. Resubmittals	B Subcontract Costs Approved For Payment on Previous Applications	C Total Subcontract Costs To Date (A plus B)	D Subcontract Approved Budget	Management Fee This Application	Management Fee Previous Applications	F Management Fee Paid	E Management Fee Budget
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
Centek Laboratory			\$ -	\$ 1,290.00			\$ -	\$ 51.60
<b>TOTALS</b>	\$ -	\$ -	\$ -	\$ 1,290.00			\$ -	\$ 52.00

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

**NOTES:**

- (1) Costs listed in Columns A, B, C & D do not include any management fee costs.
- (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.
- (3) Line 11, Column G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

Schedule 2.11(g) - Supplemental  
COST CONTROL REPORT FOR SUBCONTRACTS

Engineer: Mactec Engineering and Consulting  
 Contract Number: D004434  
 Project Name: New Cassel Industrial Area - Site #130043  
 Work Assignment Number: D004434-31

Page 1 of 1  
 Date Prepared: 10/08/09  
 Billing Period:  
 Invoice No.

EZ-EM, Inc - 130043N ▼

Subcontract Name	A Subcontract Costs Claimed This Application Incl. Resubmittals	B Subcontract Costs Approved For Payment on Previous Applications	C Total Subcontract Costs To Date (A plus B)	D Subcontract Approved Budget	Management Fee This Application	Management Fee Previous Applications	F Management Fee Paid	E Management Fee Budget
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
Centek Laboratory			\$ -	\$ 1,290.00			\$ -	\$ 51.60
<b>TOTALS</b>	\$ -	\$ -	\$ -	\$ 1,290			\$ -	\$ 52.00

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

**NOTES:**

- (1) Costs listed in Columns A, B, C & D do not include any management fee costs.
- (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.
- (3) Line 11, Column G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

Schedule 2.11(g) - Supplemental  
COST CONTROL REPORT FOR SUBCONTRACTS

Engineer: Mactec Engineering and Consulting  
Contract Number: D004434  
Project Name: New Cassel Industrial Area - Site #130043  
Work Assignment Number: D004434-31

Page 1 of 1  
Date Prepared: 10/08/09  
Billing Period:  
Invoice No.

Tishcon Corp (New York Ave) - 130043V ▼

Subcontract Name	A Subcontract Costs Claimed This Application Incl. Resubmittals	B Subcontract Costs Approved For Payment on Previous Applications	C Total Subcontract Costs To Date (A plus B)	D Subcontract Approved Budget	Management Fee This Application	Management Fee Previous Applications	F Management Fee Paid	E Management Fee Budget
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
			\$ -	\$ -			\$ -	\$ -
Centek Laboratory			\$ -	\$ 1,290.00			\$ -	\$ 51.60
Aztech			\$ -	\$ 2,495.00			\$ -	\$ 99.80
Chemtech			\$ -	\$ 176.00			\$ -	\$ 7.04
<b>TOTALS</b>	\$ -	\$ -	\$ -	\$ 3,961			\$ -	\$159.00

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

**NOTES:**

- (1) Costs listed in Columns A, B, C & D do not include any management fee costs.
- (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.
- (3) Line 11, Column G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

SCHEDULE 2.11(h)  
MONTHLY COST CONTROL REPORT  
SUMMARY OF LABOR HOURS

Number of Direct Labor Hours Expended to Date/Estimated Number of Direct Labor Hours to Completion

Engineer: Mactec Engineering and Consulting  
Contract Number: D004434  
Project Name: New Cassel Industrial Area - Site #130043  
Work Assignment Number: D004434-31

Date Prepared: 10/08/09  
Billing Period:  
Invoice #:

NSPE Labor Classification	IX -		VIII		VII		VI		V		IV		III		II		I		Total No. of Direct Labor Hours	
	Exp/Est*		Exp/Est		Exp/Est		Exp/Est		Exp/Est		Exp/Est		Exp/Est		Exp/Est		Exp/Est		Exp/Est	
Task 1 - IMC Magnetics - 130043A	0.0	1	0.0	0	0.0	0	0.0	1	0.0	10	0.0	4	0.0	23	0.0	24	0.0	7	0.0	70
Task 2 - Atlas Graphics - 130043B	0.0	1	0.0	0	0.0	0	0.0	1	0.0	10	0.0	4	0.0	23	0.0	24	0.0	7	0.0	70
Task 3 - Tishcon Corp (125 State Street) - 130043C	0.0	1	0.0	0	0.0	0	0.0	1	0.0	10	0.0	4	0.0	23	0.0	24	0.0	7	0.0	70
Task 4 - Former Tishcon Corp - 130043F	0.0	1	0.0	0	0.0	0	0.0	1	0.0	10	0.0	4	0.0	23	0.0	24	0.0	7	0.0	70
Task 5 - Former Laka Industries, Inc - 130043K	0.0	1	0.0	0	0.0	0	0.0	1	0.0	10	0.0	4	0.0	23	0.0	24	0.0	7	0.0	70
Task 6 - EZ-EM, Inc - 130043N	0.0	1	0.0	0	0.0	0	0.0	1	0.0	10	0.0	4	0.0	23	0.0	24	0.0	7	0.0	70
Task 7 - Tishcon Corp (New York Ave) - 130043	0.0	1	0.0	0	0.0	0	0.0	1	0.0	10	0.0	4	0.0	25	0.0	25	0.0	6	0.0	72
Task 8 -	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
<b>Total Hours</b>	0.0	4	0.0	0	0.0	0	0.0	9	0.0	71	0.0	28	0.0	164	0.0	168	0.0	46	0.0	490

\* Expended/Estimated



**Cost Review for Work Plan or Amendment**

Contractor Name: **MACTEC Engineering**

Date: **10/7/09**

WA # and Name: **D004434-31 New Cassel Industrial Area**

Reviewer: **JPC 10/8/09**

GENERAL COST REVIEW CHECKLIST		Yes	No	Comments
	A complete set of 2.11 Schedules (a) through (h) is attached.	✓		
	Budget package includes a cover letter and an M/WBE Utilization Plan.	✓		
<b>1.</b>	<b>Schedule 2.11(b) - Direct Labor</b>			
	Average reimbursement rates are used for each year. Future years escalate 3%.	✓		
	Hours are segregated by year.	✓		
	Total cost for each NSPE level is shown.	✓		
	Total direct labor costs match amounts on Schedule 2.11(a).	✓		
	The Principal's (NSPE level 9) labor hours charged to WA are less than 2% of the total.	✓		
	Total labor hours match hours on Schedule 2.11(h).	✓		
<b>2.</b>	<b>Schedule 2.11(b-1) - Direct Administrative Labor Hours</b>			
	Breakdown of Schedule 2.11(b-1) is reasonable, i.e., admin LOE is within acceptable guideline of <4% of overall WA LOE. Justification is attached for any exceedance.	✓		
<b>3.</b>	<b>Schedules 2.11(c) and (d) - Direct Non-Salary Costs</b>			
	Rates listed in Schedule 2.11(c) are consistent with contract.	✓		
	Rates for in-house and/or misc. costs match contract Schedule 2.10(b) or 2.10(c)2.	✓		
	Quotes are included for any non-contract item (including equipment purchases & rentals; excluding air fare) >\$1k. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.			N/A
	All costs are allowable, e.g., office telephone and office shipping cannot be reimbursed as a direct cost if they're included in ICR. Field costs must be receipted.	✓		
	Appropriate lodging/per diem/mileage rates are used.	✓		
	Schedule 2.11(d)1 - All equipment purchased is supported by cost justification that's acceptable to the CM. Equipment is to be maintained by the contractor or turned over to DEC, and it must be added to contractor's inventory list (include a revised copy).			N/A
	Schedule 2.11(d)2 - Rates for consultant-owned equipment match Schedule 2.10(c).			N/A
	Schedule 2.11(d)4 - Includes equipment to be used only on this WA (such as a blower purchased to upgrade SVE system).			N/A
	Other direct costs (no. of field days, lodging, and field equipment usage) are reasonable based on field work schedule or supporting documentation.	✓		
	Total of direct non-salary costs matches the amount on Schedule 2.11(a).	✓		
<b>4.</b>	<b>Schedule 2.11(e) - Cost-plus-fixed-fee subcontracts</b>			
	Proposed subconsultant is on standby or has DEC-approved rates with another standby consultant. Otherwise, financial information required for cost analysis must be submitted.			N/A

Schedule 2.11(e) - Continued		Yes	No	Comments
	Standby subcontract is active and rates (salary, direct and indirect costs, and fixed fee) match contract rates.			N/A
	A breakdown of direct non-salary costs is provided.			N/A
	Total subcontract cost matches amount on Schedule 2.11(a).			N/A
	Subcontractor has justified/obtained adequate quotes for any further subcontracted work.			N/A
	Subcontractor certification(s) have been submitted.			N/A
5.	<b>Schedule 2.11(f) - Unit Price Subcontracts</b>			
	There are quotes for non-standby subcontracts >\$1k. Bids are comparable (quantities and items) and provide unit costs plus job total. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.			N/A
	<i>Standby Drillers</i> (Two phase process) - Quotes from all standbys are attached. Proper unit costs and mobilization/demobilization costs are used. The low quote has been selected. Explanation for declinations has been provided.	✓		
	<i>Standby Labs and Data Validators</i> (rotate use) - Unit costs match those in contract(s).	✓		
	<i>M/WBE</i> - Cost reasonableness of sole/single source M/WBE contracts <\$10k are documented by an engineer's estimate.			N/A
	Cost reasonableness of sole/single source contracts are documented by an engineer's estimate or other cost comparisons (e.g., historical costs, pricing guides).			N/A
	Placeholders are used only for non-standby subcontractors.			N/A
	Cost reasonableness of placeholder subcontractors are documented by an engineer's estimate or other cost comparisons.			N/A
	Correct management fee is calculated only on non-professional unit priced subs >\$10k and M/WBE firms from \$1. (Management fee is not allowed on professional engineering firms, architects, or surveyors unless the contract specifically allows it.)	✓		
	Total subcontract costs match the amounts on Schedule 2.11(a).	✓		
	Justification is attached for subcontracts >\$100,000 supporting a determination not to design and competitively bid the work. Response-type activities (drum removals, other construction-type activities) must be competitively bid unless otherwise approved			N/A
	Subcontractor certification(s) have been submitted.	✓		
6.	<b>Schedule 2.11(g) - Cost Control Report</b>			
	Individual 2.11(g)s equal Summary 2.11(g) and costs match those on 2.11(a).	✓		
7.	<b>Schedule 2.11(g) Supplemental - Cost Control Report (subs)</b>			
	Schedules include all applicable subcontracts and management fees (for unit price only).	✓		
8.	<b>Schedule 2.11(a)</b>			
	Rates for indirect and fixed fee match contract rates.	✓		
	All numbers rolled up into Schedule 2.11(a) add up.	✓		

Rev. 6/17/09

**Subcontract Solicitation Record and Certification for Standby Engineering Contracts**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
Division of Environmental Remediation

Site/Spill Name New Cassel Industrial Area

Site/Spill Number 130043 Contract/WA # D004434-31

**NOTE:** Standby Contractor must obtain Contract Manager approval prior to award of subcontract.

Check the appropriate box and complete the chart below:

Standby cost-plus-fixed-fee subconsultant selected on rotational basis.

Standby laboratory or data validator selected on rotational basis. If the work includes site-specific or other items which are not listed in the standby contract, obtain and attach complete quotes from all standby subcontractors. (Declinations to bid must be explained in the attached back-up.)

Standby driller selected as lowest quote: Obtain and attach complete quotes from all standby drillers, including mob/demob costs and any site-specific items. (Declinations to bid must be explained in the attached back-up.)

For other unit-price or lump-sum subcontracting work, obtain the necessary number of quotes and complete the chart below:

Total estimated costs are less than \$10,000; three responsive quotes must be obtained (verbal is allowed).

Total estimated costs range from \$10,000 to \$20,000; three written responsive quotes must be obtained and attached.

Total estimated costs are over \$20,000; five written responsive quotes must be obtained and attached.

Note: If unable to obtain a sufficient number of quotes, obtain and attach a minimum of 2 responsive quotes. Attach documentation of attempts made to obtain additional quotes and an engineer's estimate to support cost reasonableness.

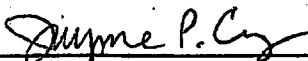
Single/sole source procurement (including the usage of an M/WBE firm with estimated costs under \$10,000). Complete the chart below and attach rationale for selecting subcontractor along with the basis for determining cost reasonableness (e.g., an engineer's estimate or one comparative quote).

Subcontractor/Subconsultant	Phone Number	Date	Price/Quote
CenteK Laboratory	(315) 431-9730	rotation	\$9030.00

JPC  
9/29/09

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract includes all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It includes a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at <http://www.wadsworth.org/labservices.htm>).
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors selected on a WA, a new subcontract certification must be submitted.)
4. For subcontracts in excess (or anticipated to be in excess) of \$10,000, the subcontractor submitted an acceptable New York State Uniform Contracting Questionnaire. For subconsultants in excess (or anticipated to be in excess) of \$10,000, the subconsultant submitted an acceptable New York State Vendor Responsibility Questionnaire. (Information related to vendor responsibility can be found at <http://www.osc.state.ny.us/agencies/gbull/e221.htm>.)
5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises (M/WBE) and Conflict of Interest (COI).
6. The subcontract includes the termination clause required in the prime contract.
7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.
8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at <http://www.ins.state.ny.us> and Best's Rating can be determined at <http://www.ambest.com>). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) are included as appropriate.
9. Documentation supporting this certification is maintained by the Contractor and will be provided within 10 days of any request.

 _____ Signature of Contractor's Authorized Representative	<u>8-20-09</u> _____ Date
<u>MACTEZ Engineering + Consulting</u> _____ Contractor Name	<u>D004434-31</u> _____ Contract/WA No.
<u>Centek Laboratory</u> _____ Subcontractor Name	

Rev. 06/17/09

**Subcontract Solicitation Record and Certification for Standby Engineering Contracts**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
Division of Environmental Remediation

Site/Spill Name New Cassel Industrial Area

Site/Spill Number 130043 Contract/WA # D004434-31

**NOTE:** Standby Contractor must obtain Contract Manager approval prior to award of subcontract.

Check the appropriate box and complete the chart below:

Standby cost-plus-fixed-fee subconsultant selected on rotational basis.

Standby laboratory or data validator selected on rotational basis. If the work includes site-specific or other items which are not listed in the standby contract, obtain and attach complete quotes from all standby subcontractors. (Declinations to bid must be explained in the attached back-up.)

Standby driller selected as lowest quote: Obtain and attach complete quotes from all standby drillers, including mob/demob costs and any site-specific items. (Declinations to bid must be explained in the attached back-up.)

For other unit-price or lump-sum subcontracting work, obtain the necessary number of quotes and complete the chart below:

Total estimated costs are less than \$10,000; three responsive quotes must be obtained (verbal is allowed).

Total estimated costs range from \$10,000 to \$20,000; three written responsive quotes must be obtained and attached.

Total estimated costs are over \$20,000; five written responsive quotes must be obtained and attached.

Note: If unable to obtain a sufficient number of quotes, obtain and attach a minimum of 2 responsive quotes. Attach documentation of attempts made to obtain additional quotes and an engineer's estimate to support cost reasonableness.

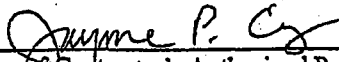
Single/sole source procurement (including the usage of an M/WBE firm with estimated costs under \$10,000). Complete the chart below and attach rationale for selecting subcontractor along with the basis for determining cost reasonableness (e.g., an engineer's estimate or one comparative quote).

Subcontractor/Subconsultant	Phone Number	Quote	Price/Quote
Chemtech	908.789.8900	rotation	\$176.00

JPCy  
1/29/09

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract includes all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It includes a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at <http://www.wadsworth.org/labservices.htm>).
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors selected on a WA, a new subcontract certification must be submitted.)
4. For subcontracts in excess (or anticipated to be in excess) of \$10,000, the subcontractor submitted an acceptable New York State Uniform Contracting Questionnaire. For subconsultants in excess (or anticipated to be in excess) of \$10,000, the subconsultant submitted an acceptable New York State Vendor Responsibility Questionnaire. (Information related to vendor responsibility can be found at <http://www.osc.state.ny.us/agencies/gbull/g221.htm>).
5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises (M/WBE) and Conflict of Interest (COI).
6. The subcontract includes the termination clause required in the prime contract.
7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.
8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at <http://www.ins.state.ny.us> and Best's Rating can be determined at <http://www.ambest.com>). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) are included as appropriate.
9. Documentation supporting this certification is maintained by the Contractor and will be provided within 10 days of any request.

 Signature of Contractor's Authorized Representative	8-20-09 Date
MACTEZ Engineering + Consulting Contractor Name	D004434-31 Contract/WA No.
Chemtech Laboratory Subcontractor Name	

**Subcontract Solicitation Record and Certification for Standby Engineering Contracts**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
Division of Environmental Remediation

Site/Spill Name New Cassel Industrial Area

Site/Spill Number 130043 Contract/WA # D004434-31

**NOTE:** Standby Contractor must obtain Contract Manager approval prior to award of subcontract:

Check the appropriate box and complete the chart below:

- Standby cost-plus-fixed-fee subconsultant selected on rotational basis.
- Standby laboratory or data validator selected on rotational basis. If the work includes site-specific or other items which are not listed in the standby contract, obtain and attach complete quotes from all standby subcontractors. (Declinations to bid must be explained in the attached back-up.)
- Standby driller selected as lowest quote: Obtain and attach complete quotes from all standby drillers, including mob/demob costs and any site-specific items. (Declinations to bid must be explained in the attached back-up.)

For other unit-price or lump-sum subcontracting work, obtain the necessary number of quotes and complete the chart below:

- Total estimated costs are less than \$10,000; three responsive quotes must be obtained (verbal is allowed).
- Total estimated costs range from \$10,000 to \$20,000; three **written** responsive quotes must be obtained and attached.
- Total estimated costs are over \$20,000; five **written** responsive quotes must be obtained and attached.

Note: If unable to obtain a sufficient number of quotes, obtain and attach a minimum of 2 responsive quotes. Attach documentation of attempts made to obtain additional quotes **and** an engineer's estimate to support cost reasonableness.

- Single/sole source procurement (including the usage of an M/WBE firm with estimated costs under \$10,000). Complete the chart below and attach rationale for selecting subcontractor along with the basis for determining cost reasonableness (e.g., an engineer's estimate or one comparative quote).

Subcontractor/Subconsultant	Phone Number	Date	Price Quote
Aztech Technologies	518.885.5383	10/2/09	2495.00
Geologic, NY	607.749.5000	10/1/09	3675.00
Northgate Drilling	585.538.2328	10/7/09	9660.00
Parratt-Wolff, Inc	315.437.1429	10/2/09	Declined (see attached email)

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract includes all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It includes a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at <http://www.wadsworth.org/labservices.htm>.)
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors selected on a WA, a new subcontract certification must be submitted.)
4. For subcontracts in excess (or anticipated to be in excess) of \$10,000, the subcontractor submitted an acceptable New York State Uniform Contracting Questionnaire. For subconsultants in excess (or anticipated to be in excess) of \$10,000, the subconsultant submitted an acceptable New York State Vendor Responsibility Questionnaire. (Information related to vendor responsibility can be found at <http://www.osc.state.ny.us/agencies/gbull/g221.htm>.)
5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises (M/WBE) and Conflict of Interest (COI).
6. The subcontract includes the termination clause required in the prime contract.
7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.
8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at <http://www.ins.state.ny.us> and Best's Rating can be determined at <http://www.ambest.com>). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) are included as appropriate.
9. Documentation supporting this certification is maintained by the Contractor and will be provided within 10 days of any request.

<u>James P. Coy</u>	<u>10/7/09</u>
Signature of Contractor's Authorized Representative	Date
<u>Artech Technologies</u>	<u>D004434-31</u>
Contractor Name	Contract/WA No.
<u>Mactec Engineering &amp; Consulting PL.</u>	
Subcontractor Name	

Rev. 06/17/09



NYSDEC STANDBY SUBCONTRACT															
BID QUOTATION SCHEDULE FOR GEOPROBE SERVICES															
New Cassel Industrial Area															
29 New York Ave															
Westbury, NY															
			NOTHNAGLE Drilling, Inc.			GeoLogic NY, Inc.			Parratt-Wolff, Inc.			Aztech Technologies			
ITEM NO.	DESCRIPTION	UNITS	LEVEL D	Estimated Quantity		LEVEL D	Estimated Quantity		LEVEL D	Estimated Quantity		LEVEL D	Estimated Quantity		
MOBILIZATION and PER DIEM															
1.	Mobilization	\$/ls	2000	1	\$ 8,000.00	2000	1	\$ 2,000.00	DECLINED			215	1	\$ 1,215.00	
DIRECT PUSH SYSTEMS															
4.	Direct Push System - Special Access Mounted (ATV Skid)	\$/day	1500	1	\$ 1,500.00	1,500.00	1	\$ 1,500.00	1700	1	\$ 1,700.00	1200	1	\$ 1,200.00	
Additional Items															
6.	Temporary Decon Pad	\$/ls	100	1	\$ 100.00	100.00	1	\$ 100.00	225	1	\$ 225.00	0	1	\$	
10.	Cost to supply USDOT 55 gallon drum (solid and/or liquid)	\$/ls	45	1	\$ 45.00	55.00	1	\$ 55.00	60	1	\$ 60.00	70	1	\$ 70.00	
13.	Concrete	\$/bag	16	1	\$ 16.00	10.00	1	\$ 10.00	17	1	\$ 17.00	10	1	\$ 10.00	
					\$ 9,660.00						\$ 3,675.00	DECLINED			\$ 2,495.00
ASSUMPTIONS:															
1) Day rate for geoprobe includes 2-person field crew for 10 hour day.															
2) Day rate for geoprobe also includes cost of soil sampling equipment (soil sleeves) not listed above.															
Analytical sample containers will be supplied and collected by MACTEC.															
3) Day rate for geoprobe also includes cost of steam cleaner and supply of decon-water, as well as concrete coring drill.															
NOTES:															
\$/ft. = dollars per linear foot															
\$/hr. = dollars per hour															
\$/ea. = dollars per unit															
\$/ls. = dollars per lump sum unit															
\$/psn/d. = dollars per person per day															
N/A = not applicable															
* = Mobilization will be requested on a site-specific basis.															
** = Provide price if applicable															
Estimated Quantity = for cost comparison purposes only, and not representative of actual expected quantities.															

**Connolly, Jayme**

---

**From:** Sean Pepling [SPEpling@pwinc.com]  
**Sent:** Friday, October 02, 2009 2:17 PM  
**To:** Connolly, Jayme  
**Subject:** NCIA - Direct push RFQ\_Parratt-Wolff

Jayme:

Due to the location and limited scope of this project we respectfully decline to complete the bid for this project. Thank you for this opportunity and please do keep us in mind for your future projects.

Sincerely,

Sean Pepling  
Parratt-Wolff, Inc.  
PO Box 56, 5879 Fisher Road  
East Syracuse, NY 13057  
(800) 782-7260  
(315) 437-1429  
(315) 437-1770 - fax

---

**From:** Connolly, Jayme [mailto:JPConnolly@mactec.com]  
**Sent:** Thursday, October 01, 2009 11:18 AM  
**To:** Joel Parratt  
**Subject:** FW: NCIA - Direct push RFQ\_Parratt-Wolff

Good Morning,

Attached you will find a RFQ for direct push Geoprobe work scoped for a site under our NYSDEC Superfund Contract. As an approved standby driller, MACTEC is requesting your firm provide a mobilization fee and identify which type of direct push equipment would be used for this work.

<<Geoprobe-standby-rates\_RFQ\_parratt-Wolff.pdf>>

The site is located within the New Cassel Industrial Area at 29 New York Ave in Westbury, Nassau County, New York. One (1) continuous sub slab soil boring to 20 ft below grade is needed from the basement of this facility. MACTEC has not surveyed the area for access; however it is assumed a mini-track mounted or tripod/cart Geoprobe will be needed for the completion of this boring. The boring will be backfilled with cuttings and patched at grade with cement.

Please take notice to the assumptions on the attached bid sheet.

Bids responses are due back as quickly as you can provide them....)

Thank You,

Jayme

Jayme Connolly  
Project Manager/Senior Scientist  
MACTEC Engineering and Consulting, Inc.

**New York State Department Of Environmental Conservation**

Office of Minority and Women's Business Program

625 Broadway, 10th Floor, Albany, New York 12233-5028

Phone: 518.402.9311 Fax: 518.402.9230

Website: www.dec.ny.gov Email: mwbe@gw.dec.state.ny.us



Version 2.1

**Consultant / Contractor Detailed M/WBE-EEO Utilization Plan**

Contractor Name:

NYSDEC Contract No:  Contractor Federal ID:

Contract Start Date:  Contract End Date:  Date Submitted:

Contractor Address:

City:  State:  Zip Code:

Contractor E-mail:  Contractor Phone Number:

Contract Type:

Project Goals Based on:

Project County:

Authorized Representative Name:

Authorized Representative Title:

M/WBE Contract Summary	%	Amount	EEO Contract Summary	%	No of Employees
1. NYSDEC Contract Amount	( A )	<input type="text" value="\$7,000,000.00"/>	7. Total Employees in this project	100 %	<input type="text" value="8"/>
2. Recipient Share (If Applicable)	( B )	<input type="text"/>	8. Total Goal -Minority Employees %	<input type="text" value="10"/>	<input type="text" value="0.8"/>
3. Total Project Amount ( A + B ) *	100 %	<input type="text" value="\$7,000,000.00"/>	9. Total Goal - Female Employees %	<input type="text" value="10"/>	<input type="text" value="0.8"/>
4. MBE Project Goal %	<input type="text" value="15."/>	<input type="text" value="\$1,050,000.00"/>	10. EEO Combined Totals %	<input type="text" value="20"/>	<input type="text" value="1.6"/>
5. WBE Project Goal %	<input type="text" value="5."/>	<input type="text" value="\$350,000.00"/>	* - Goals apply on Total Project Amount		
6. M/WBE Total %	<input type="text" value="20"/>	<input type="text" value="\$1,400,000.00"/>			

Section II - EEO Information: In order to achieve the EEO Goals, Minorities and Females are expected to be employed in the following Job categories. Please provide breakdown of Minority and Female Employees assigned to this project Only. If the EEO goals are not met please provide an explanation in the comments area.

Job Categories	Total Count of Minority Employees	Breakdown of Total Count of Minority Employees by Gender		Breakdown of Total Count of Minority Employees by Ethnicity				
		Male	Female	African American	Asian	Native American	Hispanic	White
Officials/Managers	1	1						1
Professionals	5	3	2					5
Technicians	2	1	1					2
Sales Workers								
Office/Clerical								
Craftsman								
Laborers								
Service / Workers								
<b>Totals</b>	<b>8</b>	<b>5</b>	<b>3</b>					<b>8</b>

Comments:

Please don't remove previous comments

WA # D004434-31  
 New Cassel Industrial Area  
 Nassua County

PLEASE NOTE: This is a revised M/WBE Utilization Plan based on DEC Contracting comments pertaining to subcontractor(s) recommended for the New Cassel Industrial Area Work Assignment. This revised plan replaces the original plan previously submitted on 8/24/09.

Centek - \$9,030  
 Chemtech - \$176  
 Aztech - \$2,495

Section III - M/WBE Information: In order to achieve the M/WBE Goals, New York State Certified MINORITY/WOMEN-OWNED firms are expected to participate in the following manner.

**Important: If there is NO M/WBE Vendor Participation please provide brief summary of Good Faith Documentation in the Comments. Do not enter NA or NONE in Vendor Name.**

M/WBE Vendor Name	Federal ID	Vendor Status	Subcontract Amount	Start Date	End Date	Payment Date	Work Description
OM M. POPLI	161424510	MBE	\$16,944.00	07/15/2005	07/14/2012		Survey
YEC, INC.	133256907	MBE	\$21,049.00	07/15/2005	07/14/2012		Survey
MITKEM	043093277	MBE	\$12,375.00	07/15/2005	01/01/2008		Analytical
CON-TEST ANALYTICAL LAB	161243205	WBE	\$187,770.00	07/15/2005	07/14/2012		Analytical
ENVIRONMENTAL DATA VALIDATION	251784345	DUAL	\$34,950.00	07/15/2005	07/14/2012		Data Validation
GEOLOGIC	161420642	WBE	\$15,466.00	07/15/2005	08/01/2008		Drilling
CEN TEK LABORATORIES	020693588	WBE	\$26,558.00	07/15/2005	07/14/2012		Work
CHEMTECH CONSULTING GROUP	132598184	MBE	\$50,945.00	07/15/2005	07/14/2012		Analytical
ENVIRONMENTAL DATA SERVICES	841237223	MBE	\$15,000.00	07/15/2005	07/14/2012		Field Support
NANCY POTAK	030335575	WBE	\$1,681.00	07/15/2005	07/14/2012		Data Validation
AZTECH	161536343	WBE	\$2,495.00	07/15/2005	07/14/2012		Geoprobe
	Total Subcontract Amount		\$385,233.00				

By printing name below, Contractor: 1. Certifies that the above information is true and complete as of this date. 2. If required, Will Provide good faith effort documentation to NYSDEC.

**Important: Please don't attach this form manually to E-Mail instead Click Submit by E-mail button to send form via E-Mail.**

Authorized Representative Signature (Print Name)

JOHN PETERSON

**FOR NYSDEC MWBE UNIT USE ONLY**

Approved By: CHRIS HALE

Approved Date: 04/14/2009

**From:** Nicole Morgan  
**To:** Connolly, Jayme  
**CC:** Jones, Joseph; Peterson, John; Stiles, Bryanna  
**Date:** 9/23/2009 3:10 PM  
**Subject:** RE: NCIA revised 2.11s

Hi Jayme,

It was nice meeting you today. I have completed my review and have the following comments. Please address and resubmit to me as soon as possible (within 10 calendar days).

- the total hours on the (b) should be rounded to match the total hours on the (h); or the (h) not rounded so it matches the (b)
- the direct salary costs on the (a) does not seem to include the costs on the (d)5's
- Centek's rate on the (f), \$225, does not match the rate in the bid
- Chemtech's rate on the (f), \$80, does not match the rate in the bid of \$78. There is a note that the \$80 includes TB, but I don't see a \$2 line item in the bid do match this to.
- Drilling: Why was a standby subcontractor not used? If they declined to bid, those declinations must be included in the backup. Also, Zebra bid that they could do the work in 4 hours, yet Mactec doubled the bid to 8 hours - why? The quotes should be based on the work required and those rates should be what's used to determine low bidder.
- The solicitation records were incomplete, the table on the bottom of the page should be filled out.

Let me know if you have any questions.

Thanks,  
Nicole

>>> "Connolly, Jayme" <[JPConnolly@mactec.com](mailto:JPConnolly@mactec.com)> 9/10/2009 2:20 PM >>>  
Nicole - the revised 2.11 package for the NCIA WA is attached. Sorry for any confusion regarding the first submittal.

ps - I found an error with the drilling 2.11(f) and corrected that too:).

File 4.2

Jayme Connolly  
Project Manager/Senior Scientist  
MACTEC Engineering and Consulting, Inc.  
Office 207-775-5401 Fax 207-772-4762  
Email [jpcconnolly@mactec.com](mailto:jpcconnolly@mactec.com) Web [www.mactec.com](http://www.mactec.com)

-----Original Message-----

From: Nicole Morgan [<mailto:nlmorgan@gw.dec.state.ny.us>]  
Sent: Thursday, September 10, 2009 1:05 PM  
To: Connolly, Jayme  
Subject: Re: NCIA revised 2.11s

Complete package please, that way I don't need to cut & paste pages.  
Thanks!

>>> "Connolly, Jayme" <[JPConnolly@mactec.com](mailto:JPConnolly@mactec.com)> 9/10/2009 12:32 PM >>>

Hi Nicole - I revised the 2.11s for the NCIA WA. Would you like the revised 2.11 tables only, or a complete 2.11 package?

Jayne Connolly

Project Manager/Senior Scientist

MACTEC Engineering and Consulting, Inc.

Office 207-775-5401 Fax 207-772-4762

Email [jconnolly@mactec.com](mailto:jconnolly@mactec.com) Web [www.mactec.com](http://www.mactec.com) <<http://www.mactec.com/>>

**New York State Department of Environmental Conservation**

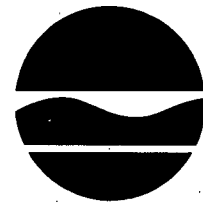
**Division of Environmental Remediation**

**Bureau of Program Management, Room 1224**

625 Broadway, Albany, New York 12233-7012

Phone: (518) 402-9764 • FAX: (518) 402-9722

Website: www.dec.state.ny.us



Alexander B. Grannis  
Commissioner

July 1, 2009

Mr. William Weber, P.E.  
Program Manager  
MACTEC Engineering and Consulting  
511 Congress Street, P.O. Box 7050  
Portland, Maine 04112-7050

Re: WA Issuance/Notice to Proceed

Dear Mr. Weber:

The New York State Department of Environmental Conservation's Division of Environmental Remediation (DER) is issuing to your firm and authorizing your firm to proceed with the work assignment (WA) identified below and in the enclosed work plan templates for the performance of Vapor Intrusion Investigation work in Nassau County, NY.

Please contact DER's Project Manager (PM) immediately to discuss the WA, including staffing, time-critical work, and any other site-specific concerns.

<b>Contract/WA No.:</b>	D004434-31
<b>Site/Spill No./PIN:</b>	130043
<b>Site/Spill Name:</b>	New Cassel Industrial Area
<b>Program Element:</b>	Vapor Intrusion Investigation
<b>Est. Total WA Budget:</b>	\$48,500
<b>Project Manager (PM):</b>	Joseph Jones
<b>PM Phone No.:</b>	(518) 402-9621
<b>PM E-mail:</b>	jgjones@gw.dec.state.ny.us
<b>Contract Manager (CM):</b>	Lisa Lewis
<b>CM Phone No.:</b>	(518) 402-9601
<b>CM E-mail:</b>	lmlewis@gw.dec.state.ny.us
<b>M/WBE Administrator:</b>	Juan Abadia
<b>M/WBE Phone No.:</b>	(518) 402-9311
<b>M/WBE E-mail:</b>	jtabadia@gw.dec.state.ny.us

Please review your firm's relationship with the Potential Responsible Parties (PRPs) listed on the attached Conflict of Interest Certification form. Complete the form, accept or reject the WA, and return the form to the Contract Manager (CM) within **5 calendar days** of the date of this letter.

The Schedule 2.11s for the WA must be completed and sent electronically in a single Adobe® PDF document to the CM within **21 calendar days** of the date of this letter. Although

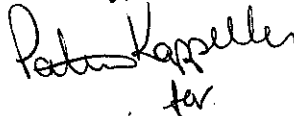


multiple sub-sites are included in this WA issuance, the Schedule 2.11s should be provided for the overall NCIA site only. The Schedule 2.11s must be in accordance with the executed standby contract. The Schedule 2.11s should identify areas of work requiring subcontracting and the certified M/WBE firms to be utilized, if known. If the M/WBE Utilization Plan for the WA does not meet the M/WBE goals set forth in the standby contract, an explanation must be provided at the time the M/WBE Utilization Plan is submitted. Standby subcontractors should be utilized to the extent practical. Project-specific subcontracts must be procured in accordance with the overall schedule (i.e., a reasonably estimated placeholder cost can be included for services not yet procured). The Schedule 2.11s should identify the management and technical staff assigned to the WA. Include resumes of staff not previously approved by DER. The Schedule 2.11s should reflect the scope of work outlined in the Work Plan Template. A cover letter accompanying the submittal of the Schedule 2.11s should include a brief justification of the budget provided in the Schedule 2.11s.

If you have any questions regarding the WA's scope of work (work plan template) and/or budget (Schedule 2.11s), please contact the PM. Requests for reimbursement for the WA should not be submitted and will not be processed prior to the approval of the Schedule 2.11s.

If work is not initiated in a timely manner or the Schedule 2.11s are not approved by DER within **60 calendar days** of the date of this letter, the WA may be terminated and reimbursement will be limited to a negotiated amount based on work performed prior to the termination date.

Sincerely,



for

Michael J. Cruden, P.E.

Chief

Contracts and Payments Section

Bureau of Program Management

Division of Environmental Remediation

Attachments

ec: [wjweber@mactec.com](mailto:wjweber@mactec.com)

J. Jones, PM

L. Lewis, CM

M. Cruden

D. Finlayson

T. Wolosen

D. Desnoyers

S. Ervolina

D. Weigel

G. Bobersky

C. Vasudevan

M/WBE Unit

**New York State Department of Environmental Conservation  
Division of Environmental Remediation  
Conflict of Interest Certification  
for  
Standby Contract Work Assignment**

**I. Potential Responsive Parties**

To the best of the New York State Department of Environmental Conservation's knowledge, the potential responsible parties (PRPs) listed on the attached sheet are the known PRPs as of the date of the work assignment issuance letter.

**II. Conflict of Interest**

**Please check the appropriate box(es) below and provide any necessary explanations:**

The Contractor believes there are no potential organizational or personal conflicts of interest with the PRPs listed and is accepting the above referenced work assignment.

The Contractor believes there are potential organizational and/or personal conflict(s) as indicated below:

- a)  The Contractor believes the conflicts would not prohibit the Contractor from excepting the work assignment.
- b)  The Contractor believes the conflicts would prohibit the Contractor from excepting the work assignment.

Please explain and include as an attachment what the organizational and/or personal conflicts may be. Please note that organizational and personal conflicts of interest issues that must be addressed are defined in Appendix B, Section III, Conflict of Interest, in the executed standby contract. Additional items to address include the estimated percentage and dollar value that the contractor's business with the PRP bears to the contractor's business as a whole and whether there are mechanisms in place that allow for adequate independent quality assurance such as Professional Engineer certifications, quality assurance/quality control of data, and independent periodic inspections of work.

**III. Certification**

The undersigned authorized representative for the contractor indicated below hereby certifies that the information provided in this form or as an attachment to this form is a accurate representation of the relevant facts or circumstances which would give rise to an organizational or personal conflict of interest as defined in Appendix B, Section III, Conflict of Interest, of the executed standby contract indicated below, except as disclosed herein.

\_\_\_\_\_  
Signature of Contractor's Authorized Representative

\_\_\_\_\_  
Date

\_\_\_\_\_  
Contractor Name

*Please e-mail completed form to DEC Contract Manager within 5 calendar days of the date of the Work Assignment Issuance/Notice to Proceed Letter.*

Conflict of Interest for D004434-31  
New Cassel Industrial Area, Site #130043

**For a complete listing of Potential Responsible Parties, please refer to the attached pages of owners/operators for the following sites:**

IMC Magnetics, Site #130043A

Atlas Graphics, Site #130043B

Tishcon Corporation @ 125 State Street, Site #130043C

Former Tishcon Corporation, Site #130043E

Former LAKA Industries, Incorporated, Site #130043K

EZ-EM, Incorporated, Site #130043N

Tishcon Corporation (New York Avenue), Site #130043V

## DOB/Office of the Director of State Operations Approved Request

**Agency Code:** 09000

**Agency:** Environmental Conservation, Department of

**Request #:** 09000-568-2009

**Request Type:** Contracts - New

**NPS Type:** N/A

**Agency Contact:** Nancy Lussier - 518-402-9228

**Date Submitted to DOB:** 05/26/2009

**Request Title:** New Standby Engineering Work Assignment D004434-31

**Description:** Mactec Contract D004434, Work Assignment #31, New Cassel Industrial Area, Site #130043. The standby engineering contractor will perform Vapor Intrusion Investigation work that will include sampling of indoor air and sub-slab soil within the on-site buildings of seven separate sub-sites.

**Justification:** The large number of sites, heightened public awareness, and the dual goals of protecting human health and the environmental all contribute to environmental remediation programs being critical to DER's core mission. If this spending request is not approved, DER would be unable to perform the necessary vapor intrusion work to determine potential indoor air impacts to human health.

### Status

**Status:** Approved

**Date Approved:** 06/26/2009

**DOB Approver:** Nancy Reuss

**Unit:** Economic Development, Energy and  
Environment Unit

**Validated by the Office of the Director of State Operations**

### Estimated Value

**This Request:** \$ 60,000.00

New York State Department of Environmental Conservation  
Division of Environmental Remediation  
Conflict of Interest Certification  
for  
Standby Contract Work Assignment

I. Potential Responsive Parties

To the best of the New York State Department of Environmental Conservation's knowledge, the potential responsible parties (PRPs) listed on the attached sheet are the known PRPs as of the date of the work assignment issuance letter.

II. Conflict of Interest

Please check the appropriate box(es) below and provide any necessary explanations:

The Contractor believes there are no potential organizational or personal conflicts of interest with the PRPs listed and is accepting the above referenced work assignment.

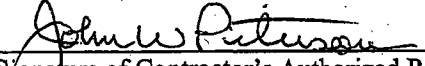
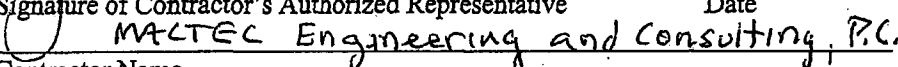
The Contractor believes there are potential organizational and/or personal conflict(s) as indicated below:

- a)  The Contractor believes the conflicts would not prohibit the Contractor from excepting the work assignment.
- b)  The Contractor believes the conflicts would prohibit the Contractor from excepting the work assignment.

Please explain and include as an attachment what the organizational and/or personal conflicts may be. Please note that organizational and personal conflicts of interest issues that must be addressed are defined in Appendix B, Section III, Conflict of Interest, in the executed standby contract. Additional items to address include the estimated percentage and dollar value that the contractor's business with the PRP bears to the contractor's business as a whole and whether there are mechanisms in place that allow for adequate independent quality assurance such as Professional Engineer certifications, quality assurance/quality control of data, and independent periodic inspections of work.

III. Certification

The undersigned authorized representative for the contractor indicated below hereby certifies that the information provided in this form or as an attachment to this form is a accurate representation of the relevant facts or circumstances which would give rise to an organizational or personal conflict of interest as defined in Appendix B, Section III, Conflict of Interest, of the executed standby contract indicated below, except as disclosed herein.

  
Signature of Contractor's Authorized Representative      Date 7/8/09  
  
Contractor Name

Please e-mail completed form to DEC Contract Manager within 5 calendar days of the date of the Work Assignment Issuance/Notice to Proceed Letter.

Conflict of Interest for D004434-31  
New Cassel Industrial Area, Site #130043

**For a complete listing of Potential Responsible Parties, please refer to the attached pages of owners/operators for the following sites:**

IMC Magnetics, Site #130043A

Atlas Graphics, Site #130043B

Tishcon Corporation @ 125 State Street, Site #130043C

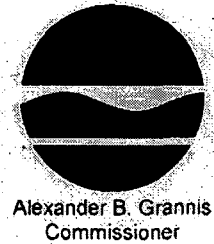
Former Tishcon Corporation, Site #130043F

Former LAKA Industries, Incorporated, Site #130043K

EZ-EM, Incorporated, Site #130043N



Tishcon Corporation (New York Avenue), Site #130043V

**New York State Department of Environmental Conservation**  
**Division of Environmental Remediation**  
**Remedial Bureau A**  
625 Broadway, 11<sup>th</sup> Floor  
Albany, New York 12233-7015  
**Phone:** (518) 402-9625 • **Fax:** (518) 402-9022  
**Website:** [www.dec.state.ny.us](http://www.dec.state.ny.us)



MEMORANDUM

**TO:** Mike Cruden, Chief, Contracts and Payments Section

**FROM:** Guy T. Bobersky, Chief, REM-A, BURA   
Through Chittibabu Vasudevan, Director, BURA 

**RE:** Work Assignment Issuance Request

**DATE:** May 11, 2009

---

**Site/Spill Name and Number, Location:** IMC Magnetics, Site No. 130043A, Nassau County

**Site/Spill Information:** See attached copy of UIS report

**Conflict of Interest:** See attached owner/operator list

**Work Element:** Vapor Intrusion

**Duration:** 12 Months

**Estimated Budget:** \$6,700

**Funding Source:** State Superfund

**Brief Description of Scope of Work:** The consultant will conduct indoor air and subslab soil vapor sampling (Vapor Intrusion Investigation) within the on-site building. See attached Quick Start Work Assignment.

Attachments

ec: D. Desnoyers  
S. Ervolina  
C. Vasudevan  
G. Bobersky  
W. Parish  
J. Jones  
D. Weigel





NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
Site Briefing Report



<b>Site Code</b>	130043A	<b>Site Name</b>	IMC Magnetics	
<b>Classification</b>	02	<b>Address</b>	570 Main Street	
<b>Region</b>	1	<b>City</b>	New Cassel	<b>Zip</b> 11590
<b>Latitude</b>	40.7565	<b>Town</b>	North Hempstead	
<b>Longitude</b>	-73.5646	<b>County</b>	Nassau	<b>Project Manager</b> Joseph Jones
<b>Site Type</b>	Structure			<b>Estimated Size</b> 2.0000

### Site Description

This site is located at 570 Main St. in the western part of the NCIA. The site is a little over two acres, with one manufacturing building and a paved parking area covering most of the area. The site was occupied by IMC Magnetics Inc. from the early 1950s until 1992. Products made during IMC's occupation of the site included induction motors, fans and blowers, stepper motors and other rotating machines. Soils and groundwater at the site are contaminated with chlorinated hydrocarbons, petroleum hydrocarbons and metals. This site was listed on the Registry as a Class 2 site in 1995. Further investigations on this site revealed that the soils and groundwater were contaminated with chlorinated VOCs. Beginning in October 1997, IMC operated a soil vapor extraction (SVE) system to remediate on-site soil contamination. Treatment continued for approx 3 years. The ROD for OU-1, On-Site Soil Contamination, incorporating the SVE system, was issued in January of 1998. A focused onsite groundwater RIFS at this site confirmed the presence of an on-site chlorinated VOC groundwater plume. The ROD for OU-2 On-Site Groundwater, was issued by NYSDEC in March 2000. The remedy selected for groundwater remediation at this site is in-situ oxidation using hydrogen peroxide injection. Treatment began in December 2001. A soil vapor intrusion investigation is underway, first phase complete as of Feb 2009. Soil vapor samples taken March 2008 had elevated VOCs.

Contaminants of Concern (Including Materials Disposed)	Quantity Disposed
CHROMIUM (D007 WASTE)	UNKNOWN
LEAD (D008 WASTE)	UNKNOWN
TETRACHLOROETHYLENE {(PCE OR "PERC.")(F002)}	UNKNOWN
TOLUENE (F005 WASTE)	UNKNOWN

**Analytical Data Available for :** Groundwater, Soil, Soil Vapor

**Applicable Standards Exceeded for:** Groundwater

### Site Environmental Assessment

The primary contaminants of concern at the site known at this time include VOCs including PCE, and heavy metals such a chromium. The primary impact was to groundwater beneath the site and soils in the NW portion of the site. VOCs and metals at the site exceeded SCGs at the time of the RODs. Soil Vapor samples taken in March 2008 show high VOCs in soil vapors near the NW corner of the site.

### Site Health Assessment

The site may have contributed contamination to groundwater used for public water supplies. Water from these wells is treated to remove contamination and minimize exposures to contaminants in drinking water.

Direct contact with contaminated soil is unlikely because the site is primarily covered with building and pavement. Soil vapor intrusion into on- and off-site buildings is possible.

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### Remedy Description and Cost

---

#### Remedy Description for Operable Unit 00

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**

---

#### Remedy Description for Operable Unit 01

Soil vapor extraction applied to the Northwest corner of the site.

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**

---

#### Remedy Description for Operable Unit 01A

Soil vapor extraction applied to NW corner of the property. Pilot test completed 1996. System run till 2004. Still in place.

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**

---

#### Remedy Description for Operable Unit 02

In-situ oxidation by hydrogen peroxide injection.

Jim Harrington's ROD Descriptions:

In-situ Chemox peroxide ONSite GW MOnitoirng    Instit. controls

**Total Cost**                      \$394,000

**Capital Cost**                    \$288,000

**OM&M Cost**                    \$13,000

**Issues / Recommendations**

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**Remedy Description for Operable Unit 03**

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**

**Owners**

**Current Owner(s)**

Sew Simple  
 710 SUMMA AVENUE  
 WESTBURY NY 11590

ADVANCE FOOD SERVICE EQUIPMENT  
 750 SUMMA AVENUE  
 WESTBURY NY 11590

ALL-SHIELD ELECTRONICS  
 45 BOND STREET  
 WESTBURY NY 11590

APPLIED FLUIDS  
 770 MAIN STREET  
 WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.  
 686 MAIN STREET  
 WESTBURY NY 11590

ATLAS GRAPHICS INC.  
 567 MAIN STREET  
 WESTBURY NY 11590

AUTRONIC PLASTICS  
 18 SYLVESTER STREET  
 WESTBURY NY 11590

DBA LONG ISLAND SPRAY & FINISHING  
 121 HOPPER STREET  
 WESTBURY NY 11590

**Operators**

**Current Operator(s)**

Sew Simple  
 710 SUMMA AVENUE  
 WESTBURY NY 11590

ADCHEM CORPORATION  
 625 MAIN STREET  
 WESTBURY NY 11590

ADVANCE FOOD SERVICE EQUIPMENT  
 750 SUMMA AVENUE  
 WESTBURY NY 11590

ALLTRONICS  
 45 BOND STREET  
 WESTBURY NY 11590

ANTHONSEN'S ALL METAL PRODUCTS  
 630-640 MAIN STREET  
 WESTBURY NY 11590

APPLIED FLUIDS  
 770 MAIN STREET  
 WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.  
 686 MAIN STREET  
 WESTBURY NY 11590

ATLAS GRAPHICS INC.  
 567 MAIN STREET  
 WESTBURY NY 11590

AUTRONIC PLASTICS  
 18 SYLVESTER STREET  
 WESTBURY NY 11590

6/16/2008

BERNITE PRODUCTS INC  
84 NEW YORK AVENUE  
WESTBURY NY 11590

BILT-RITE STEEL BUCK CORP.  
95 HOPPER STREET  
WESTBURY NY 11590

CUSTOM COATING INC.  
36 NEW YORK AVENUE  
WESTBURY NY 11590

NUTRA TEC CORPORATION  
72 SYLVESTER STREET  
WESTBURY NY 11590

EFFICIENCY SYSTEMS  
45 URBAN AVENUE  
WESTBURY NY 11590

HURON TOOL AND CUTTING  
75 STATE STREET  
WESTBURY NY 11590

IMC MAGNETICS CORPORATION  
570 MAIN STREET  
WESTBURY NY 11590

INTERNATIONAL RIBBON AND CARBON  
49 SYLVESTER STREET  
WESTBURY NY 11590

AVANEL INDUSTRIES  
121 HOPPER STREET  
WESTBURY NY 11590

HOLMES AND SONS  
84 NEW YORK AVENUE  
WESTBURY NY 11590

JCL CUSTOM METAL DOORS  
95 HOPPER STREET  
WESTBURY NY 11590

CUSTOM COATING INC.  
36 NEW YORK AVENUE  
WESTBURY NY 11590

DURANED PHARMACEUTICALS  
72 SYLVESTER STREET  
WESTBURY NY 11590

GUILLOTINE SPLICER  
45 URBAN AVENUE  
WESTBURY NY 11590

HAMILTON AVENT ELECTRONICS, INC.  
70 STATE STREET  
WESTBURY NY 11590

HURON TOOL AND CUTTING  
75 STATE STREET  
WESTBURY NY 11590

IMC MAGNETICS CORPORATION  
570 MAIN STREET  
WESTBURY NY 11590

INTERNATIONAL RIBBON AND CARBON  
49 SYLVESTER STREET  
WESTBURY NY 11590

6/16/2008

SAM TON SALVAGE  
299 MAIN STREET  
WESTBURY NY 11590

BLEN-CAL ELECTRONICS  
700 SUMMA AVENUE  
WESTBURY NY 11590

KWIK-EEZE CORPORATION  
54 BROOKLYN AVENUE  
WESTBURY NY 11590

LAKA INDUSTRY INC.  
62 KINKEL STREET  
WESTBURY NY 11590

AMERICAN MOTORS  
110 STATE STREET  
WESTBURY NY 11590

PARAFUSE CORPORATION  
65 KINKEL STREET  
WESTBURY NY 11590

PERMAFUSE CORPORATION  
675 MAIN STREET  
WESTBURY NY 11590

SEW SIMPLE  
115 FROST STREET  
WESTBURY NY 11590

ISLAND TRANSPORTATION  
299 MAIN STREET  
WESTBURY NY 11590

BLEN-CAL ELECTRONICS  
700 SUMMA AVENUE  
WESTBURY NY 11590

KWIK-EEZE CORPORATION  
54 BROOKLYN AVENUE  
WESTBURY NY 11590

LAKA INDUSTRIES  
62 KINKEL STREET  
WESTBURY NY 11590

MOLLA INC.  
110 STATE STREET  
WESTBURY NY 11590

PARAFUSE CORPORATION  
65 KINKEL STREET  
WESTBURY NY 11590

PERMAFUSE CORPORATION  
675 MAIN STREET  
WESTBURY NY 11590

SEW SIMPLE  
115 FROST STREET  
WESTBURY NY 11590

UTILITY MANUFACTURING COMPANY  
700 MAIN STREET  
WESTBURY NY 11590

WARREN MACHINE COMPANY  
117 URBAN AVENUE  
WESTBURY NY 11590

6/16/2008

MTD KNITS  
117 URBAN AVENUE  
WESTBURY NY 11590

FREUND WOODWORKING  
589 MAIN STREET  
WESTBURY NY 11590

PRAEC TOOL COMPANY  
512 MAIN STREET  
WESTBURY NY 11590

SUPREME EDGELIGHT  
5 BOND STREET  
WESTBURY NY 11590

KORG USA, INC.  
75 FROST STREET  
WESTBURY NY 11590

JORWAY CORPORATION  
27 BOND STREET  
WESTBURY NY 11590

NEW YORK TESTING  
75 URBAN AVENUE  
WESTBURY NY 11590

BOGNER BROADCAST  
401 RAILROAD AVENUE  
WESTBURY NY 11590

FREUND WOODWORKING  
589 MAIN STREET  
WESTBURY NY 11590

VALU-LITHO  
512 MAIN STREET  
WESTBURY NY 11590

KLEARTONE TRANSPARENT  
695 SUMMA AVENUE  
WESTBURY NY 11590

SUPREME EDGELIGHT  
5 BOND STREET  
WESTBURY NY 11590

UNICORD  
75 FROST STREET  
WESTBURY NY 11590

JORWAY CORPORATION  
27 BOND STREET  
WESTBURY NY 11590

NEW YORK TESTING  
75 URBAN AVENUE  
WESTBURY NY 11590

BOGNER BROADCAST  
401 RAILROAD AVENUE  
WESTBURY NY 11590

ROYAL GUARD FENCE  
550 MAIN STREET  
WESTBURY NY 11590

T&S BRASS AND BRONZE  
128 MAGNOLIA AVENUE  
WESTBURY NY 11590

6/16/2008

ROYAL GUARD FENCE  
550 MAIN STREET  
WESTBURY NY 11590

B&L COLLISION  
69 KINKEL STREET  
WESTBURY NY 11590

FINE ART AUTOBODY  
90 NEW YORK AVENUE  
WESTBURY NY 11590

JOERGER ENTERPRISES  
32 NEW YORK AVENUE  
WESTBURY NY 11590

UNIFLEX  
474 GRAND BLVD.  
WESTBURY NY 11590

JUDITH LEWIS PRINTERS  
40 URBAN AVENUE  
WESTBURY NY 11590

CONTEMPORARY PACKAGING  
90 HOPPER STREET  
WESTBURY NY 11590

TAPEMAKERS INC.  
48 URBAN AVENUE  
WESTBURY NY 11590

B&L COLLISION  
69 KINKEL STREET  
WESTBURY NY 11590

FINE ART AUTOBODY  
90 NEW YORK AVENUE  
WESTBURY NY 11590

JOERGER ENTERPRISES  
32 NEW YORK AVENUE  
WESTBURY NY 11590

TISCHON CORPORATION  
68 KINKEL STREET  
WESTBURY NY 11590

UNIFLEX  
474 GRAND BLVD.  
WESTBURY NY 11590

JUDITH LEWIS PRINTERS  
40 URBAN AVENUE  
WESTBURY NY 11590

CONTEMPORARY PACKAGING  
90 HOPPER STREET  
WESTBURY NY 11590

TAPEMAKERS INC.  
48 URBAN AVENUE  
WESTBURY NY 11590

AVON PRESS  
25 KINKEL STREET  
WESTBURY NY 11590

B&G LIGHTING  
51 URBAN AVENUE  
WESTBURY NY 11590



6/16/2008

AVON PRESS  
25 KINKEL STREET  
WESTBURY NY 11590

MAKE 1 STOP AUTO S&J BODY & FENDER  
51 URBAN AVENUE  
WESTBURY NY 11590

METPAR STEEL  
97 STATE STREET  
WESTBURY NY 11590

SUPREME METAL FABRICATORS  
776-790 SUMMA AVENUE  
WESTBURY NY 11590

CONTINENTAL EXTRUSION  
751 SUMMA AVENUE  
WESTBURY NY 11590

HOWARD SCHUBERT  
51 RUSHMORE STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES  
710 SUMMA AVENUE  
WESTBURY NY 11590

ARKWIN INDUSTRIES  
656 MAIN STREET  
WESTBURY NY 11590

METPAR STEEL  
97 STATE STREET  
WESTBURY NY 11590

SUPREME METAL FABRICATORS  
776-790 SUMMA AVENUE  
WESTBURY NY 11590

CONTINENTAL EXTRUSION  
751 SUMMA AVENUE  
WESTBURY NY 11590

HOWARD SCHUBERT  
51 RUSHMORE STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.  
710 SUMMA AVENUE  
WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.  
656 MAIN STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.  
670 MAIN STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.  
70 MAIN STREET  
WESTBURY NY 11590

KORG USA, INC.  
89 FROST STREET  
WESTBURY NY 11590

NEW YORK TESTING  
81 URBAN STREET  
WESTBURY NY 11590

6/16/2008

ARKWIN INDUSTRIES  
670 MAIN STREET  
WESTBURY NY 11590

TISCHON CORPORATION  
29 KINKEL STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES  
70 MAIN STREET  
WESTBURY NY 11590

TISCHON CORPORATION  
40 NEW YORK AVENUE  
WESTBURY NY 11590

KORG USA, INC.  
89 FROST STREET  
WESTBURY NY 11590

TISCHON CORPORATION  
85 BROOKLYN AVENUE  
WESTBURY NY 11590

NEW YORK TESTING  
81 URBAN AVENUE  
WESTBURY NY 11590

OGIJENKO ANATOLE  
ESTATE OF BISHOP ANDREI KUSCHAK  
90-10 180TH STREET  
JAMAICA NY 11432

Site/Spill No./PIN: 130043A

Site/Spill Name: IMC Magnetics

**Work Plan Template**

Date April 30, 2009

**Work Element: Vapor Intrusion Mitigation**

The scope of work will generally encompass activities as appropriate in the Standby Consulting Engineering Contract. Work shall be conducted in accordance with the "Draft DER-10, Technical Guidance for Site Investigation and Remediation dated 12/25/02" or the latest version when available. Quality Assurance/Quality Control (QA/QC) must conform to the most current version of the NYSDEC Analytical Services Protocol (ASP). Soil vapor investigations will be performed in accordance with the NYSDOH "Guidance for Evaluating Soil Vapor Intrusion in the State of New York". Additional information can be found at : [http://www.health.state.ny.us/environmental/investigations/soil\\_gas/svi\\_guidance](http://www.health.state.ny.us/environmental/investigations/soil_gas/svi_guidance)

<b>Task 1: Scoping</b>		
Unless otherwise approved in writing by the Department's project manager, all work shall conform to standby contractor's pre-approved QAPP, HASP and FAP.		
File Review	<input checked="" type="checkbox"/>	Max Hours 4
1 Trip to Site	<input checked="" type="checkbox"/>	Max Hours 2
1 Trip to Albany for Scoping Meeting (may be combined with site visit at discretion of Department's PM)	<input type="checkbox"/>	Max Hours
Develop Schedule 2.11s	<input checked="" type="checkbox"/>	Max Hours 8
Progress Schedule Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Max Hours 2
Executive Summary Required for Repository? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Max Hours
		<b>Total Task 1 Max Hours 16</b>

Notes This is one of 7 Vapor Intrusion Investigation WAs issued within the New Cassel Industrial Area. The site trip can be combined for all 7 sites.

Task 2: Soil Vapor/Indoor Air Investigations						Identify SCGs		
Other General Requirements				Notes				
Prior to structure air sampling, an inspection of general site conditions will be performed at each property location. <input type="checkbox"/>								
Based on analytical results, perform an evaluation to determine the appropriate alternative (sub-slab depressurization system or soil vapor extraction system). <input type="checkbox"/>								
Structures	<input checked="" type="checkbox"/>	Access Issues (include details)	Contact site owner to arrange for mutually agreeable access time.					
Sub-slab soil vapor	<input type="checkbox"/>	Sump Samples	Notes Subslab samples at 3 locations and 2 indoor air samples.					
Sub level air sample	<input type="checkbox"/>	Sub-slab soil						
First floor air sample	<input type="checkbox"/>	Sub-slab ground water						
Continuous split spoon samples from			to		feet			
Permanent Soil Vapor points	<input type="checkbox"/>	Feet at Deepest Point	<input type="checkbox"/>	Total Task 2 Max Hours		10		
Task 3: Mitigation								
If applicable, design an active sub-slab depressurization system in accordance with Radon Mitigation Standards (EPA 402-R-93-078, most recent version and NYSDOH SVI guidance.								
A short duration soil vapor extraction (SVE) system pilot scale test to evaluate the radius of influence and provide design recommendations pertaining to the number of extraction wells, the depth of screen(s), the size of blower(s), the operating vacuum, and anticipated removal rates shall be performed, if necessary.								
SVE	<input type="checkbox"/>	Sub-slab depressurization	<input type="checkbox"/>	Residential	<input type="checkbox"/>	Commercial/Industrial	<input type="checkbox"/>	
Electrical	<input type="checkbox"/>	Warranty(s)	<input type="checkbox"/>	Vent Discharge	<input type="checkbox"/>	Shop Drawings	<input type="checkbox"/>	
				Fan	<input type="checkbox"/>	OM&M Descriptions	<input type="checkbox"/>	
						Total Task 3 Max Hours		<input type="checkbox"/>
Notes	The IMC site has soil vapor extraction points previously installed immediately adjacent to the NW corner of the building. If contamination warranting additional SVE is found, the old system can be reactivated.							

Task 4: Reporting			
Letter Report	<input checked="" type="checkbox"/>	Full Report	<input type="checkbox"/>
		Building Survey	<input type="checkbox"/>
		As-Builts	<input type="checkbox"/>
DUSR	<input checked="" type="checkbox"/>	Data Validation	<input checked="" type="checkbox"/>
		IRM Required (specify)	<input type="checkbox"/>
Assistance for public meeting, including trip to meeting(s), preparation of summary fact sheet(s) on site and info			<input type="checkbox"/>
Total Task 4 Max Hours			12
Notes			

Multi-year work assignments can include a 3% escalation for costs in subsequent years. Administrative level of effort (LOE) should not exceed 4% of the overall LOWE. NSPE level IX LOE should not exceed 2% of the total LOE.

Level of Effort (direct labor hours)

Task 1	16	Task 4	12
Task 2	10		
Task 3	0	<b>Total</b>	38

Estimated Subcontract Costs

\$ 2,500

Estimated Direct Non-Salary Costs

\$ 1,200

Estimated Project Cost

\$ 6,700

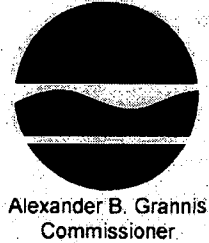
Calendar Days or work Timeframe

- 21 days from WA issue
- 35 days from WA issue
- '09-'10 Heating Season
- By January 30, 2010
- By February 28, 2010

Project Milestone

- Combined Scoping meeting and Site Visit
- 211s developed
- Sampling done between November 15 - December 15, 2009
- Data validation completed
- Final report delivered

**New York State Department of Environmental Conservation**  
**Division of Environmental Remediation**  
**Remedial Bureau A**  
625 Broadway, 11<sup>th</sup> Floor  
Albany, New York 12233-7015  
**Phone:** (518) 402-9625 • **Fax:** (518) 402-9022  
**Website:** [www.dec.state.ny.us](http://www.dec.state.ny.us)



MEMORANDUM

**TO:** Mike Cruden, Chief, Contracts and Payments Section

**FROM:** Guy T. Bobersky, Chief, REM-A, BURA *GB*  
Through Chittibabu Vasudevan, Director, BURA *CV*

**RE:** Work Assignment Issuance Request

**DATE:** May 11, 2009

---

**Site/Spill Name and Number, Location:** Atlas Graphics, Site No. 130043B, Nassau County

**Site/Spill Information:** See attached copy of UIS report

**Conflict of Interest:** See attached owner/operator list

**Work Element:** Vapor Intrusion

**Duration:** 12 Months

**Estimated Budget:** \$6,700

**Funding Source:** State Superfund

**Brief Description of Scope of Work:** The consultant will conduct indoor air and subslab soil vapor sampling (Vapor Intrusion Investigation) within the on-site building. See attached Quick Start Work Assignment.

Attachments

ec: D. Desnoyers  
S. Ervolina  
C. Vasudevan  
G. Bobersky  
W. Parish  
J. Jones  
D. Weigel



**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
Site Briefing Report**



<b>Site Code</b>	130043B	<b>Site Name</b>	Atlas Graphics	
<b>Classification</b>	02	<b>Address</b>	567 Main Street	
<b>Region</b>	1	<b>City</b>	New Cassel	<b>Zip</b> 11590
<b>Latitude</b>	40.7570	<b>Town</b>	North Hempstead	
<b>Longitude</b>	-73.5646	<b>County</b>	Nassau	<b>Project Manager</b> Joseph Jones
<b>Site Type</b>	Structure			<b>Estimated Size</b> 1.0000

### Site Description

This site is located at 567 Main Street in the western part of the NCIA. The site is approximately one acre, with one manufacturing building and a paved parking area covering most of the area. The building was built in 1950, and used as a warehouse for construction vehicles until 1997. In 1997, the property was purchased by Atlas Graphics Inc., which currently operates a photo-engraving manufacturing operation. This operation uses a reported 312 gallons per year of TCE. At the time of its purchase, the building was connected to a cesspool for its sanitary waste disposal. In 1977, there was a documented discharge of approximately 50 gallons of TCE to the cesspool. This site was listed on the Registry as a Class 2 site in 1995. The analytical results for this site indicated that elevated levels of TCE were found on-site in both the soil and groundwater. The ROD for this site, issued in February 2000, selected air sparging/soil vapor extraction (AS/SVE) as the remedy to address the on-site contaminated soil and groundwater. The system was constructed in October 2000 and was operated through November of 2003. A soil vapor intrusion investigation is underway, the first phase was complete in Feb 2009. Soil vapor samples taken on-site in March 2008 exhibited elevated VOCs.

<b>Contaminants of Concern (Including Materials Disposed)</b>	<b>Quantity Disposed</b>
---	--------------------------

TRICHLOROETHENE (TCE)

UNKNOWN

**Analytical Data Available for :** Groundwater, Soil, Soil Vapor

**Applicable Standards Exceeded for:** Groundwater

### Site Environmental Assessment

Past site operations contaminated groundwater beneath and downgradient of the site with high levels (exceeding SCGs) of TCE. Contaminated groundwater is within an EPA-designated sole-source aquifer. Contaminants have migrated downgradient of the site. Two public water supply wells are located 1,800 feet southeast of the site. The groundwater contamination downgradient of the NCIA was addressed in the October 2003 Record of Decision. On-site groundwater monitoring for the Atlas Graphics site shows that contaminant levels at the site are similar to upgradient levels as of November 2003. Soil vapor samples taken in March 2008 show elevated levels of VOCs near the SW corner of the on-site building.

### Site Health Assessment

The site may have contributed contamination to groundwater used for public water supplies. Water from these wells is treated to remove contamination and minimize exposures to contaminants in drinking water. Direct contact with contaminated soil is unlikely because the site is primarily covered with building and pavement. Soil vapor intrusion into on- and off-site buildings is possible.

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**Remedy Description and Cost**

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**Remedy Description for Operable Unit 00**

**Total Cost**  
**Capital Cost**  
**OM&M Cost**

**Issues / Recommendations**

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**Remedy Description for Operable Unit 01**

AS/SVE to remediate on-site soil and groundwater contamination.

<b>Total Cost</b>	\$440,000
<b>Capital Cost</b>	\$270,000
<b>OM&amp;M Cost</b>	\$75,000

**Issues / Recommendations**

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**Remedy Description for Operable Unit 02**

**Total Cost**  
**Capital Cost**  
**OM&M Cost**

**Issues / Recommendations**



**Owners****Current Owner(s)**

Sew Simple

710 SUMMA AVENUE

WESTBURY NY 11590

ADVANCE FOOD SERVICE EQUIPMENT

750 SUMMA AVENUE

WESTBURY NY 11590

ALL-SHIELD ELECTRONICS

45 BOND STREET

WESTBURY NY 11590

APPLIED FLUIDS

770 MAIN STREET

WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.

686 MAIN STREET

WESTBURY NY 11590

ATLAS GRAPHICS INC.

567 MAIN STREET

WESTBURY NY 11590

AUTRONIC PLASTICS

18 SYLVESTER STREET

WESTBURY NY 11590

DBA LONG ISLAND SPRAY &amp; FINISHING

121 HOPPER STREET

WESTBURY NY 11590

**Operators****Current Operator(s)**

Sew Simple

710 SUMMA AVENUE

WESTBURY NY 11590

ADCHEM CORPORATION

625 MAIN STREET

WESTBURY NY 11590

ADVANCE FOOD SERVICE EQUIPMENT

750 SUMMA AVENUE

WESTBURY NY 11590

ALLTRONICS

45 BOND STREET

WESTBURY NY 11590

ANTHONSEN'S ALL METAL PRODUCTS

630-640 MAIN STREET

WESTBURY NY 11590

APPLIED FLUIDS

770 MAIN STREET

WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.

686 MAIN STREET

WESTBURY NY 11590

ATLAS GRAPHICS INC.

567 MAIN STREET

WESTBURY NY 11590

AUTRONIC PLASTICS

18 SYLVESTER STREET

WESTBURY NY 11590

6/16/2008

BERNITE PRODUCTS INC  
84 NEW YORK AVENUE  
WESTBURY NY 11590

BILT-RITE STEEL BUCK CORP.  
95 HOPPER STREET  
WESTBURY NY 11590

CUSTOM COATING INC.  
36 NEW YORK AVENUE  
WESTBURY NY 11590

NUTRA TEC CORPORATION  
72 SYLVESTER STREET  
WESTBURY NY 11590

EFFICIENCY SYSTEMS  
45 URBAN AVENUE  
WESTBURY NY 11590

HURON TOOL AND CUTTING  
75 STATE STREET  
WESTBURY NY 11590

IMC MAGNETICS CORPORATION  
570 MAIN STREET  
WESTBURY NY 11590

INTERNATIONAL RIBBON AND CARBON  
49 SYLVESTER STREET  
WESTBURY NY 11590

AVANEL INDUSTRIES  
121 HOPPER STREET  
WESTBURY NY 11590

HOLMES AND SONS  
84 NEW YORK AVENUE  
WESTBURY NY 11590

JCL CUSTOM METAL DOORS  
95 HOPPER STREET  
WESTBURY NY 11590

CUSTOM COATING INC.  
36 NEW YORK AVENUE  
WESTBURY NY 11590

DURANED PHARMACEUTICALS  
72 SYLVESTER STREET  
WESTBURY NY 11590

GUILLOTINE SPLICER  
45 URBAN AVENUE  
WESTBURY NY 11590

HAMILTON AVENT ELECTRONICS, INC.  
70 STATE STREET  
WESTBURY NY 11590

HURON TOOL AND CUTTING  
75 STATE STREET  
WESTBURY NY 11590

IMC MAGNETICS CORPORATION  
570 MAIN STREET  
WESTBURY NY 11590

INTERNATIONAL RIBBON AND CARBON  
49 SYLVESTER STREET  
WESTBURY NY 11590

6/16/2008

SAM TON SALVAGE  
299 MAIN STREET  
WESTBURY NY 11590

BLEN-CAL ELECTRONICS  
700 SUMMA AVENUE  
WESTBURY NY 11590

KWIK-EEZE CORPORATION  
54 BROOKLYN AVENUE  
WESTBURY NY 11590

LAKA INDUSTRY INC.  
62 KINKEL STREET  
WESTBURY NY 11590

AMERICAN MOTORS  
110 STATE STREET  
WESTBURY NY 11590

PARAFUSE CORPORATION  
65 KINKEL STREET  
WESTBURY NY 11590

PERMAFUSE CORPORATION  
675 MAIN STREET  
WESTBURY NY 11590

SEW SIMPLE  
115 FROST STREET  
WESTBURY NY 11590

ISLAND TRANSPORTATION  
299 MAIN STREET  
WESTBURY NY 11590

BLEN-CAL ELECTRONICS  
700 SUMMA AVENUE  
WESTBURY NY 11590

KWIK-EEZE CORPORATION  
54 BROOKLYN AVENUE  
WESTBURY NY 11590

LAKA INDUSTRIES  
62 KINKEL STREET  
WESTBURY NY 11590

MOLLA INC.  
110 STATE STREET  
WESTBURY NY 11590

PARAFUSE CORPORATION  
65 KINKEL STREET  
WESTBURY NY 11590

PERMAFUSE CORPORATION  
675 MAIN STREET  
WESTBURY NY 11590

SEW SIMPLE  
115 FROST STREET  
WESTBURY NY 11590

UTILITY MANUFACTURING COMPANY  
700 MAIN STREET  
WESTBURY NY 11590

WARREN MACHINE COMPANY  
117 URBAN AVENUE  
WESTBURY NY 11590

6/16/2008

MTD KNITS  
117 URBAN AVENUE  
WESTBURY NY 11590

FREUND WOODWORKING  
589 MAIN STREET  
WESTBURY NY 11590

PRAEC TOOL COMPANY  
512 MAIN STREET  
WESTBURY NY 11590

SUPREME EDGELIGHT  
5 BOND STREET  
WESTBURY NY 11590

KORG USA, INC.  
75 FROST STREET  
WESTBURY NY 11590

JORWAY CORPORATION  
27 BOND STREET  
WESTBURY NY 11590

NEW YORK TESTING  
75 URBAN AVENUE  
WESTBURY NY 11590

BOGNER BROADCAST  
401 RAILROAD AVENUE  
WESTBURY NY 11590

FREUND WOODWORKING  
589 MAIN STREET  
WESTBURY NY 11590

VALU-LITHO  
512 MAIN STREET  
WESTBURY NY 11590

KLEARTONE TRANSPARENT  
695 SUMMA AVENUE  
WESTBURY NY 11590

SUPREME EDGELIGHT  
5 BOND STREET  
WESTBURY NY 11590

UNICORD  
75 FROST STREET  
WESTBURY NY 11590

JORWAY CORPORATION  
27 BOND STREET  
WESTBURY NY 11590

NEW YORK TESTING  
75 URBAN AVENUE  
WESTBURY NY 11590

BOGNER BROADCAST  
401 RAILROAD AVENUE  
WESTBURY NY 11590

ROYAL GUARD FENCE  
550 MAIN STREET  
WESTBURY NY 11590

T&S BRASS AND BRONZE  
128 MAGNOLIA AVENUE  
WESTBURY NY 11590

6/16/2008

ROYAL GUARD FENCE  
550 MAIN STREET  
WESTBURY NY 11590

B&L COLLISION  
69 KINKEL STREET  
WESTBURY NY 11590

FINE ART AUTOBODY  
90 NEW YORK AVENUE  
WESTBURY NY 11590

JOERGER ENTERPRISES  
32 NEW YORK AVENUE  
WESTBURY NY 11590

UNIFLEX  
474 GRAND BLVD.  
WESTBURY NY 11590

JUDITH LEWIS PRINTERS  
40 URBAN AVENUE  
WESTBURY NY 11590

CONTEMPORARY PACKAGING  
90 HOPPER STREET  
WESTBURY NY 11590

TAPEMAKERS INC.  
48 URBAN AVENUE  
WESTBURY NY 11590

B&L COLLISION  
69 KINKEL STREET  
WESTBURY NY 11590

FINE ART AUTOBODY  
90 NEW YORK AVENUE  
WESTBURY NY 11590

JOERGER ENTERPRISES  
32 NEW YORK AVENUE  
WESTBURY NY 11590

TISCHON CORPORATION  
68 KINKEL STREET  
WESTBURY NY 11590

UNIFLEX  
474 GRAND BLVD.  
WESTBURY NY 11590

JUDITH LEWIS PRINTERS  
40 URBAN AVENUE  
WESTBURY NY 11590

CONTEMPORARY PACKAGING  
90 HOPPER STREET  
WESTBURY NY 11590

TAPEMAKERS INC.  
48 URBAN AVENUE  
WESTBURY NY 11590

AVON PRESS  
25 KINKEL STREET  
WESTBURY NY 11590

B&G LIGHTING  
51 URBAN AVENUE  
WESTBURY NY 11590

6/16/2008

AVON PRESS  
25 KINKEL STREET  
WESTBURY NY 11590

MAKE 1 STOP AUTO.S&J BODY & FENDER  
51 URBAN AVENUE  
WESTBURY NY 11590

METPAR STEEL  
97 STATE STREET  
WESTBURY NY 11590

SUPREME METAL FABRICATORS  
776-790 SUMMA AVENUE  
WESTBURY NY 11590

CONTINENTAL EXTRUSION  
751 SUMMA AVENUE  
WESTBURY NY 11590

HOWARD SCHUBERT  
51 RUSHMORE STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES  
710 SUMMA AVENUE  
WESTBURY NY 11590

ARKWIN INDUSTRIES  
656 MAIN STREET  
WESTBURY NY 11590

METPAR STEEL  
97 STATE STREET  
WESTBURY NY 11590

SUPREME METAL FABRICATORS  
776-790 SUMMA AVENUE  
WESTBURY NY 11590

CONTINENTAL EXTRUSION  
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51 RUSHMORE STREET  
WESTBURY NY 11590

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710 SUMMA AVENUE  
WESTBURY NY 11590

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656 MAIN STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.  
670 MAIN STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.  
70 MAIN STREET  
WESTBURY NY 11590

KORG USA, INC.  
89 FROST STREET  
WESTBURY NY 11590

NEW YORK TESTING  
81 URBAN STREET  
WESTBURY NY 11590

6/16/2008

ARKWIN INDUSTRIES  
670 MAIN STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES  
70 MAIN STREET  
WESTBURY NY 11590

KORG USA, INC.  
89 FROST STREET  
WESTBURY NY 11590

NEW YORK TESTING  
81 URBAN AVENUE  
WESTBURY NY 11590

OGIJENKO ANATOLE  
ESTATE OF BISHOP ANDREI KUSCHAK  
90-10 180TH STREET  
JAMAICA NY 11432

TISCHON CORPORATION  
29 KINKEL STREET  
WESTBURY NY 11590

TISCHON CORPORATION  
40 NEW YORK AVENUE  
WESTBURY NY 11590

TISCHON CORPORATION  
85 BROOKLYN AVENUE  
WESTBURY NY 11590

Site/Spill No./PIN: 130043B

Site/Spill Name: Atlas Graphics

**Work Plan Template**  
**Work Element: Vapor Intrusion Mitigation**

Date: April 30, 2009

The scope of work will generally encompass activities as appropriate in the Standby Consulting Engineering Contract. Work shall be conducted in accordance with the "Draft DER-10, Technical Guidance for Site Investigation and Remediation dated 12/25/02" or the latest version when available. Quality Assurance/Quality Control (QA/QC) must conform to the most current version of the NYSDEC Analytical Services Protocol (ASP). Soil vapor investigations will be performed in accordance with the NYSDOH "Guidance for Evaluating Soil Vapor Intrusion in the State of New York". Additional information can be found at : [http://www.health.state.ny.us/environmental/investigations/soil\\_gas/svi\\_guidance](http://www.health.state.ny.us/environmental/investigations/soil_gas/svi_guidance)

<b>Task 1: Scoping</b>			
Unless otherwise approved in writing by the Department's project manager, all work shall conform to standby contractor's pre-approved QAPP, HASP and FAP.			
File Review	<input checked="" type="checkbox"/>	Max Hours	4
1 Trip to Site	<input checked="" type="checkbox"/>	Max Hours	2
1 Trip to Albany for Scoping Meeting (may be combined with site visit at discretion of Department's PM)	<input type="checkbox"/>	Max Hours	
Develop Schedule 2.11s	<input checked="" type="checkbox"/>	Max Hours	8
Progress Schedule Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Max Hours	2
Executive Summary Required for Repository? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Max Hours	
			<b>Total Task 1 Max Hours</b>
			<b>16</b>

Notes: This is one of 7 Vapor Intrusion Investigation WAs issued within the New Cassel Industrial Area. The site trip can be combined for all 7 sites.



Task 2: Soil Vapor/Indoor Air Investigations						Identify SCGs	
Other General Requirements				Notes			
Prior to structure air sampling, an inspection of general site conditions will be performed at each property location. <input type="checkbox"/>							
Based on analytical results, perform an evaluation to determine the appropriate alternative (sub-slab depressurization system or soil vapor extraction system). <input type="checkbox"/>							
Structures <input type="checkbox"/>	Access Issues (include details)		Contact site owner to arrange for mutually agreeable access time.				
Sub-slab soil vapor <input type="checkbox"/>		Sump Samples <input type="checkbox"/>		Notes Subslab samples at 3 locations and 2 indoor air samples.			
Sub level air sample <input type="checkbox"/>		Sub-slab soil <input type="checkbox"/>					
First floor air sample <input type="checkbox"/>		Sub-slab ground water <input type="checkbox"/>					
Continuous split spoon samples from <input type="text"/> to <input type="text"/> feet							
Permanent Soil Vapor points <input type="checkbox"/>		Feet at Deepest Point <input type="text"/>		Total Task 2 Max Hours		10	
Task 3: Mitigation							
If applicable, design an active sub-slab depressurization system in accordance with Radon Mitigation Standards (EPA 402-R-93-078, most recent version and NYSDOH SVI guidance.							
A short duration soil vapor extraction (SVE) system pilot scale test to evaluate the radius of influence and provide design recommendations pertaining to the number of extraction wells, the depth of screen(s), the size of blower(s), the operating vacuum, and anticipated removal rates shall be performed, if necessary.							
SVE <input type="checkbox"/>		Sub-slab depressurization <input type="checkbox"/>		Residential <input type="checkbox"/>		Commercial/Industrial <input type="checkbox"/>	
Electrical <input type="checkbox"/>	Warranty(s) <input type="checkbox"/>	Vent Discharge <input type="checkbox"/>	Shop Drawings <input type="checkbox"/>	Fan <input type="checkbox"/>	OM&M Descriptions <input type="checkbox"/>	Total Task 3 Max Hours <input type="text"/>	
Notes	The Atlas Graphics site has soil vapor extraction points previously installed immediately adjacent to the SW corner of the building. If contamination warranting additional SVE is found, the old system can be reactivated.						

Task 4: Reporting			
Letter Report	<input checked="" type="checkbox"/>	Full Report	<input type="checkbox"/>
Building Survey	<input type="checkbox"/>	As-Builts	<input type="checkbox"/>
DUSR	<input checked="" type="checkbox"/>	Data Validation	<input checked="" type="checkbox"/>
IRM Required (specify)	<input type="text"/>		
Assistance for public meeting, including trip to meeting(s), preparation of summary fact sheet(s) on site and info			<input type="checkbox"/>
Total Task 4 Max Hours			12
Notes	<input type="text"/>		

Multi-year work assignments can include a 3% escalation for costs in subsequent years. Administrative level of effort (LOE) should not exceed 4% of the overall LOWE. NSPE level IX LOE should not exceed 2% of the total LOE.

Level of Effort (direct labor hours)

Task 1	<input type="text" value="16"/>	Task 4	<input type="text" value="12"/>
Task 2	<input type="text" value="10"/>		
Task 3	<input type="text" value="0"/>	<b>Total</b>	<input type="text" value="38"/>

Estimated Subcontract Costs

\$

Estimated Direct Non-Salary Costs

\$

Estimated Project Cost

\$

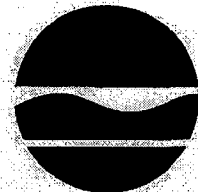
Calendar Days or work Timeframe

- 
- 
- 
- 
- 

Project Milestone

- 
- 
- 
- 
-

**New York State Department of Environmental Conservation**  
**Division of Environmental Remediation**  
**Remedial Bureau A**  
625 Broadway, 11<sup>th</sup> Floor  
Albany, New York 12233-7015  
Phone: (518) 402-9625 • Fax: (518) 402-9022  
Website: [www.dec.state.ny.us](http://www.dec.state.ny.us)



Alexander B. Grannis  
Commissioner

MEMORANDUM

**TO:** Mike Cruden, Chief, Contracts and Payments Section

**FROM:** Guy Bobersky, Chief, REM-A, BURA *GB*  
Through Chittibabu Vasudevan, Director, BURA *CV*

**RE:** Work Assignment Issuance Request

**DATE:** May 11, 2009

---

**Site/Spill Name and Number, Location:** Tishcon Corp. At 125 State Street, Site No. 130043C,  
Nassau County

**Site/Spill Information:** See attached copy of UIS report

**Conflict of Interest:** See attached owner/operator list

**Work Element:** Vapor Intrusion

**Duration:** 12 Months

**Estimated Budget:** \$6,700

**Funding Source:** State Superfund

**Brief Description of Scope of Work:** The consultant will conduct indoor air and subslab soil vapor sampling (Vapor Intrusion Investigation) within the on-site building. See attached Quick Start Work Assignment.

Attachments

ec: D. Desnoyers  
S. Ervolina  
C. Vasudevan  
G. Bobersky  
W. Parish  
J. Jones  
D. Weigel



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
Site Briefing Report



<b>Site Code</b>	130043C	<b>Site Name</b>	Tishcon Corp. at 125 State Street	
<b>Classification</b>	04	<b>Address</b>	125 State Street	
<b>Region</b>	1	<b>City</b>	New Cassel	<b>Zip</b> 11590
<b>Latitude</b>	40.7594	<b>Town</b>	North Hempstead	
<b>Longitude</b>	-73.5596	<b>County</b>	Nassau	<b>Project Manager</b> Joseph Jones
<b>Site Type</b>	Structure			<b>Estimated Size</b> 1.0000

### Site Description

The site is located at 125 State Street in the central part of the NCI. The site is approximately one acre and is occupied by a two-story building. Tishcon Corporation was a tenant in this location from 1984 to 1996. Tishcon produced dietary supplements and vitamin products in the form of powders and tablets. The powders and tablets were produced in a dry blending process. From 1985 to 1993, the chemicals methylene chloride, 1,1,1-trichloroethane and methanol were used in the tablet coating process. Equipment used in the process was rinsed out in the driveway where the storm drains are located. Based on the presence of chlorinated VOCs and metals in four storm drains at the site, the NCDH requested that contaminated sediment be removed from storm drains and a distribution box on the property in August 1993. The site was placed on the Registry in 1995. The excavation and restoration of the contaminated source areas of two storm drains and a distributor was completed as an Interim Remedial Measure (IRM) in October 1997. The ROD for the site was issued in January of 1998 and required the excavation and restoration of the remaining contaminated source area. Excavation and disposal of this material was conducted in Spring of 1999. In March of 2000, the site was reclassified as a Class 4 site. Class 4 indicates that the site was properly closed and monitoring is required. A soil vapor intrusion investigation is underway. Soil vapor sampling results from March 2008 indicate large concentrations of soil vapor still present in Southern portion of the site.

Contaminants of Concern (Including Materials Disposed)	Quantity Disposed
1,1,1-TRICHLOROETHANE ((TCA)(F002 WASTE))	UNKNOWN

**Analytical Data Available for :** Groundwater, Soil

**Applicable Standards Exceeded for:** Groundwater

### Site Environmental Assessment

The primary contaminants of concern are VOCs, of which, 1,1,1 TCA is found in exceedance of groundwater SCGs. The significant threat from contaminants at the site has been mitigated by the removal of the storm drain source areas and the subsequent reduction in groundwater contaminant levels. Soil vapor sampling carried out March 2008 indicates elevated levels of VOC still present in on-site soil vapors.

### Site Health Assessment

The site may have contributed contamination to groundwater used for public water supplies. Water from these wells is treated to remove contamination and minimize exposures to contaminants in drinking water. Direct contact with contaminated soil is unlikely because the site is primarily covered with building and

pavement. Soil vapor intrusion into on- and off-site buildings is possible.

---

**Remedy Description and Cost**

---

**Remedy Description for Operable Unit 00**

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**

---

**Remedy Description for Operable Unit 01**

The remedy includes the following:

the contaminated source area of storm drain 1.

1) The excavation and restoration of

implementation of a post-remediation groundwater monitoring plan to confirm the effectiveness of the remedy and to monitor the groundwater in the vicinity of the site.

2) The

3) Institutional controls and deed restrictions of the site to restrict the future use of the groundwater at the site.

future use of the groundwater

**Total Cost**                      \$157,800

**Capital Cost**                      \$0

**OM&M Cost**                      \$0

**Issues / Recommendations**

---

**Remedy Description for Operable Unit 01A**

Excavation of cesspools 1,2,,4 and distribution box 5.

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**

---

**Remedy Description for Operable Unit 02**

**Total Cost**

**Capital Cost**

**OM&M Cost**

5/11/2009

**Issues / Recommendations**

**Owners****Current Owner(s)**

Sew Simple

710 SUMMA AVENUE

WESTBURY NY 11590

ADVANCE FOOD SERVICE EQUIPMENT

750 SUMMA AVENUE

WESTBURY NY 11590

ALL-SHIELD ELECTRONICS

45 BOND STREET

WESTBURY NY 11590

APPLIED FLUIDS

770 MAIN STREET

WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.

686 MAIN STREET

WESTBURY NY 11590

ATLAS GRAPHICS INC.

567 MAIN STREET

WESTBURY NY 11590

AUTRONIC PLASTICS

18 SYLVESTER STREET

WESTBURY NY 11590

DBA LONG ISLAND SPRAY &amp; FINISHING

121 HOPPER STREET

WESTBURY NY 11590

**Operators****Current Operator(s)**

Sew Simple

710 SUMMA AVENUE

WESTBURY NY 11590

ADCHEM CORPORATION

625 MAIN STREET

WESTBURY NY 11590

ADVANCE FOOD SERVICE EQUIPMENT

750 SUMMA AVENUE

WESTBURY NY 11590

ALLTRONICS

45 BOND STREET

WESTBURY NY 11590

ANTHONSEN'S ALL METAL PRODUCTS

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WESTBURY NY 11590

APPLIED FLUIDS

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WESTBURY NY 11590

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686 MAIN STREET

WESTBURY NY 11590

ATLAS GRAPHICS INC.

567 MAIN STREET

WESTBURY NY 11590

AUTRONIC PLASTICS

18 SYLVESTER STREET

WESTBURY NY 11590

6/16/2008

BERNITE PRODUCTS INC  
84 NEW YORK AVENUE  
WESTBURY NY 11590

BILT-RITE STEEL BUCK CORP.  
95 HOPPER STREET  
WESTBURY NY 11590

CUSTOM COATING INC.  
36 NEW YORK AVENUE  
WESTBURY NY 11590

NUTRA TEC CORPORATION  
72 SYLVESTER STREET  
WESTBURY NY 11590

EFFICIENCY SYSTEMS  
45 URBAN AVENUE  
WESTBURY NY 11590

HURON TOOL AND CUTTING  
75 STATE STREET  
WESTBURY NY 11590

IMC MAGNETICS CORPORATION  
570 MAIN STREET  
WESTBURY NY 11590

INTERNATIONAL RIBBON AND CARBON  
49 SYLVESTER STREET  
WESTBURY NY 11590

AVANEL INDUSTRIES  
121 HOPPER STREET  
WESTBURY NY 11590

HOLMES AND SONS  
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WESTBURY NY 11590

JCL CUSTOM METAL DOORS  
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WESTBURY NY 11590

CUSTOM COATING INC.  
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WESTBURY NY 11590

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45 URBAN AVENUE  
WESTBURY NY 11590

HAMILTON AVENT ELECTRONICS, INC.  
70 STATE STREET  
WESTBURY NY 11590

HURON TOOL AND CUTTING  
75 STATE STREET  
WESTBURY NY 11590

IMC MAGNETICS CORPORATION  
570 MAIN STREET  
WESTBURY NY 11590

INTERNATIONAL RIBBON AND CARBON  
49 SYLVESTER STREET  
WESTBURY NY 11590



6/16/2008

SAM TON SALVAGE  
299 MAIN STREET  
WESTBURY NY 11590

BLEN-CAL ELECTRONICS  
700 SUMMA AVENUE  
WESTBURY NY 11590

KWIK-EEZE CORPORATION  
54 BROOKLYN AVENUE  
WESTBURY NY 11590

LAKA INDUSTRY INC.  
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AMERICAN MOTORS  
110 STATE STREET  
WESTBURY NY 11590

PARAFUSE CORPORATION  
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PERMAFUSE CORPORATION  
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SEW SIMPLE  
115 FROST STREET  
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ISLAND TRANSPORTATION  
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WARREN MACHINE COMPANY  
117 URBAN AVENUE  
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117 URBAN AVENUE  
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75 FROST STREET  
WESTBURY NY 11590

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75 URBAN AVENUE  
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401 RAILROAD AVENUE  
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32 NEW YORK AVENUE  
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474 GRAND BLVD.  
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NEW YORK TESTING  
81 URBAN AVENUE  
WESTBURY NY 11590

OGIJENKO ANATOLE  
ESTATE OF BISHOP ANDREI KUSCHAK  
90-10 180TH STREET  
JAMAICA NY 11432

TISCHON CORPORATION  
29 KINKEL STREET  
WESTBURY NY 11590

TISCHON CORPORATION  
40 NEW YORK AVENUE  
WESTBURY NY 11590

TISCHON CORPORATION  
85 BROOKLYN AVENUE  
WESTBURY NY 11590

Site/Spill No./PIN: 130043C

Site/Spill Name: Tishcon Corp. at 125 State Street

**Work Plan Template**  
**Work Element: Vapor Intrusion Mitigation**

Date: April 30, 2009

The scope of work will generally encompass activities as appropriate in the Standby Consulting Engineering Contract. Work shall be conducted in accordance with the "Draft DER-10, Technical Guidance for Site Investigation and Remediation dated 12/25/02" or the latest version when available. Quality Assurance/Quality Control (QA/QC) must conform to the most current version of the NYSDEC Analytical Services Protocol (ASP). Soil vapor investigations will be performed in accordance with the NYSDOH "Guidance for Evaluating Soil Vapor Intrusion in the State of New York". Additional information can be found at : [http://www.health.state.ny.us/environmental/investigations/soil\\_gas/svi\\_guidance](http://www.health.state.ny.us/environmental/investigations/soil_gas/svi_guidance)

<b>Task 1: Scoping</b>			
Unless otherwise approved in writing by the Department's project manager, all work shall conform to standby contractor's pre-approved QAPP, HASP and FAP.			
File Review	<input checked="" type="checkbox"/>	Max Hours	4
1 Trip to Site	<input checked="" type="checkbox"/>	Max Hours	2
1 Trip to Albany for Scoping Meeting (may be combined with site visit at discretion of Department's PM)	<input type="checkbox"/>	Max Hours	
Develop Schedule 2.11s	<input checked="" type="checkbox"/>	Max Hours	8
Progress Schedule Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Max Hours	2
Executive Summary Required for Repository? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Max Hours	
			<b>Total Task 1 Max Hours</b>
			<b>16</b>

Notes: This is one of 7 Vapor Intrusion Investigation WAs issued within the New Cassel Industrial Area. The site trip can be combined for all 7 sites.

<b>Task 2: Soil Vapor/Indoor Air Investigations</b>													
Identify SCGs													
Other General Requirements							Notes						
Prior to structure air sampling, an inspection of general site conditions will be performed at each property location.						<input type="checkbox"/>							
Based on analytical results, perform an evaluation to determine the appropriate alternative (sub-slab depressurization system or soil vapor extraction system).						<input type="checkbox"/>							
Structures	<input checked="" type="checkbox"/>	Access Issues (include details)	Contact site owner to arrange for mutually agreeable access time.										
	Sub-slab soil vapor	<input type="checkbox"/>	Sump Samples	<input type="checkbox"/>					Notes				
	Sub level air sample	<input type="checkbox"/>	Sub-slab soil	<input type="checkbox"/>									
	First floor air sample	<input type="checkbox"/>	Sub-slab ground water	<input type="checkbox"/>									
		Continuous split spoon samples from		<input type="checkbox"/>	to	<input type="checkbox"/>	feet						
Permanent Soil Vapor points		<input type="checkbox"/>	Feet at Deepest Point		<input type="checkbox"/>	Total Task 2 Max Hours		<input type="checkbox"/>	10				
<b>Task 3: Mitigation</b>													
If applicable, design an active sub-slab depressurization system in accordance with Radon Mitigation Standards (EPA 402-R-93-078, most recent version and NYSDOH SVI guidance.													
A short duration soil vapor extraction (SVE) system pilot scale test to evaluate the radius of influence and provide design recommendations pertaining to the number of extraction wells, the depth of screen(s), the size of blower(s), the operating vacuum, and anticipated removal rates shall be performed, if necessary.													
SVE		<input type="checkbox"/>	Sub-slab depressurization		<input type="checkbox"/>	Residential		<input type="checkbox"/>	Commercial/Industrial	<input type="checkbox"/>			
Electrical	<input type="checkbox"/>	Warranty(s)	<input type="checkbox"/>	Vent Discharge	<input type="checkbox"/>	Shop Drawings	<input type="checkbox"/>	Fan	<input type="checkbox"/>	OM&M Descriptions	<input type="checkbox"/>	Total Task 3 Max Hours	<input type="checkbox"/>
Notes	Mitigation measures, if required, will be determined after the results of this investigation are available.												

Task 4: Reporting			
Letter Report <input checked="" type="checkbox"/>	Full Report <input type="checkbox"/>	Building Survey <input type="checkbox"/>	As-Builts <input type="checkbox"/>
DUSR <input checked="" type="checkbox"/>	Data Validation <input checked="" type="checkbox"/>	IRM Required (specify) <input type="checkbox"/>	
Assistance for public meeting, including trip to meeting(s), preparation of summary fact sheet(s) on site and info <input type="checkbox"/>			Total Task 4 Max Hours <input type="text" value="12"/>
Notes			

Multi-year work assignments can include a 3% escalation for costs in subsequent years. Administrative level of effort (LOE) should not exceed 4% of the overall LOWE. NSPE level IX LOE should not exceed 2% of the total LOE.

Level of Effort (direct labor hours)

Task 1	<input type="text" value="16"/>	Task 4	<input type="text" value="12"/>
Task 2	<input type="text" value="10"/>		
Task 3	<input type="text" value="0"/>	<b>Total</b>	<input type="text" value="38"/>

Estimated Subcontract Costs	\$ <input type="text" value="2,500"/>
Estimated Direct Non-Salary Costs	\$ <input type="text" value="1,200"/>
Estimated Project Cost	\$ <input type="text" value="6,700"/>

Calendar Days or work Timeframe

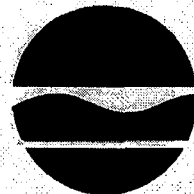
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Project Milestone

- 
- 
- 
- 
-



**New York State Department of Environmental Conservation**  
**Division of Environmental Remediation**  
**Remedial Bureau A**  
625 Broadway, 11<sup>th</sup> Floor  
Albany, New York 12233-7015  
**Phone:** (518) 402-9625 • **Fax:** (518) 402-9022  
**Website:** [www.dec.state.ny.us](http://www.dec.state.ny.us)



Alexander B. Grannis  
Commissioner

MEMORANDUM

**TO:** Mike Cruden, Chief, Contracts and Payments Section

**FROM:** Guy Bobersky, Chief, REM-A, BURA *GB*  
Through Chittibabu Vasudevan, Director, BURA *W*

**RE:** Work Assignment Issuance under Engineering Standby Contracts

**DATE:** May 11, 2009

---

**Site/Spill Name and Number, Location:** Former Tishcon Corporation, Site No. 130043F,  
Nassau County

**Site/Spill Information:** See attached copy of UIS report

**Conflict of Interest:** See attached owner/operator list

**Work Element:** Vapor Intrusion

**Duration:** 12 Months

**Estimated Budget:** \$6,700

**Funding Source:** State Superfund

**Brief Description of Scope of Work:** The consultant will conduct indoor air and subslab soil vapor sampling (Vapor Intrusion Investigation) within the on-site building. See attached Quick Start Work Assignment.

Attachments

ec: D. Desnoyers  
S. Ervolina  
C. Vasudevan  
G. Bobersky  
W. Parish  
J. Jones  
D. Weigel



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
Site Briefing Report



<b>Site Code</b>	130043F	<b>Site Name</b>	Former Tishcon Corporation	
<b>Classification</b>	N	<b>Address</b>	68 Kinkel Street	
<b>Region</b>	1	<b>City</b>	Westbury	<b>Zip</b> 11590
<b>Latitude</b>	40.7564	<b>Town</b>	North Hempstead	
<b>Longitude</b>	-73.5619	<b>County</b>	Nassau	<b>Project Manager</b> Joseph Jones
<b>Site Type</b>	Structure			<b>Estimated Size</b> 0.2500

### Site Description

This site is located at 68 Kinkel Street in the central part of the NCIA. The one-quarter acre site is occupied by a single story, 2-bay garage. In 1982 and 1983, Tishcon encapsulated materials at this site, utilized 1,650 gallons of TCA as well as 8,000 gallons of methylene chloride and 3,000 gallons of shellac in its manufacturing process. This site was added to the Registry as a Class 2 site in 1995. A State Superfund investigation was completed in July 1996. In January 1997, a ROD requiring no action was issued for this site. The site was delisted from the Registry in December of 1997. Soil vapor sampling carried out March 2008 indicates elevated levels of VOC soil vapors on site.

<b>Contaminants of Concern (Including Materials Disposed)</b>	<b>Quantity Disposed</b>
---	--------------------------

1,1,1-TRICHLOROETHANE ((TCA) (F002 WASTE))	UNKNOWN
--	---------

**Analytical Data Available for :** Groundwater, Surface Water, Soil, Soil Vapor

**Applicable Standards Exceeded for:** Groundwater

### Site Environmental Assessment

Past site operations have contaminated groundwater beneath the site with TCA. The contaminated groundwater is located within an EPA-designated sole-source aquifer. Soil vapor sampling carried out in March 2008 indicates elevated levels of VOCs in soil vapor on site.

### Site Health Assessment

The site may have contributed contamination to groundwater used for public water supplies. Water from these wells is treated to remove contamination and minimize exposures to contaminants in drinking water. Direct contact with contaminated soil is unlikely because the site is primarily covered with building and pavement. Soil vapor intrusion into on- and off-site buildings is possible.

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## Remedy Description and Cost

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### Remedy Description for Operable Unit 01

The no action alternative has been proposed.

Jim Harrington's ROD Descriptions:

No Action no source areas found at site.

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**

---

### Remedy Description for Operable Unit 01A

Storm drain clean out of petroleum contamination.

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**

---

### Remedy Description for Operable Unit 02

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**

6/16/2008

### Owners

#### Current Owner(s)

Sew Simple  
710 SUMMA AVENUE  
WESTBURY NY 11590

ADVANCE FOOD SERVICE EQUIPMENT  
750 SUMMA AVENUE  
WESTBURY NY 11590

ALL-SHIELD ELECTRONICS  
45 BOND STREET  
WESTBURY NY 11590

APPLIED FLUIDS  
770 MAIN STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.  
686 MAIN STREET  
WESTBURY NY 11590

ATLAS GRAPHICS INC.  
567 MAIN STREET  
WESTBURY NY 11590

AUTRONIC PLASTICS  
18 SYLVESTER STREET  
WESTBURY NY 11590

DBA LONG ISLAND SPRAY & FINISHING  
121 HOPPER STREET  
WESTBURY NY 11590

### Operators

#### Current Operator(s)

Sew Simple  
710 SUMMA AVENUE  
WESTBURY NY 11590

ADCHEM CORPORATION  
625 MAIN STREET  
WESTBURY NY 11590

ADVANCE FOOD SERVICE EQUIPMENT  
750 SUMMA AVENUE  
WESTBURY NY 11590

ALLTRONICS  
45 BOND STREET  
WESTBURY NY 11590

ANTHONSEN'S ALL METAL PRODUCTS  
630-640 MAIN STREET  
WESTBURY NY 11590

APPLIED FLUIDS  
770 MAIN STREET  
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BERNITE PRODUCTS INC  
84 NEW YORK AVENUE  
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BILT-RITE STEEL BUCK CORP.  
95 HOPPER STREET  
WESTBURY NY 11590

CUSTOM COATING INC.  
36 NEW YORK AVENUE  
WESTBURY NY 11590

NUTRA TEC CORPORATION  
72 SYLVESTER STREET  
WESTBURY NY 11590

EFFICIENCY SYSTEMS  
45 URBAN AVENUE  
WESTBURY NY 11590

HURON TOOL AND CUTTING  
75 STATE STREET  
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AVANEL INDUSTRIES  
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HOLMES AND SONS  
84 NEW YORK AVENUE  
WESTBURY NY 11590

JCL CUSTOM METAL DOORS  
95 HOPPER STREET  
WESTBURY NY 11590

CUSTOM COATING INC.  
36 NEW YORK AVENUE  
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DURANED PHARMACEUTICALS  
72 SYLVESTER STREET  
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SUPREME METAL FABRICATORS  
776-790 SUMMA AVENUE  
WESTBURY NY 11590

CONTINENTAL EXTRUSION  
751 SUMMA AVENUE  
WESTBURY NY 11590

HOWARD SCHUBERT  
51 RUSHMORE STREET  
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ARKWIN INDUSTRIES, INC.  
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89 FROST STREET  
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NEW YORK TESTING  
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6/16/2008

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OGIJENKO ANATOLE  
ESTATE OF BISHOP ANDREI KUSCHAK  
90-10 180TH STREET  
JAMAICA NY 11432

TISCHON CORPORATION  
29 KINKEL STREET  
WESTBURY NY 11590

TISCHON CORPORATION  
40 NEW YORK AVENUE  
WESTBURY NY 11590

TISCHON CORPORATION  
85 BROOKLYN AVENUE  
WESTBURY NY 11590

Site/Spill No./PIN: 130043F

Site/Spill Name: Former Tishcon Corporation

**Work Plan Template**  
**Work Element: Vapor Intrusion Mitigation**

Date: April 30, 2009

The scope of work will generally encompass activities as appropriate in the Standby Consulting Engineering Contract. Work shall be conducted in accordance with the "Draft DER-10, Technical Guidance for Site Investigation and Remediation dated 12/25/02" or the latest version when available. Quality Assurance/Quality Control (QA/QC) must conform to the most current version of the NYSDEC Analytical Services Protocol (ASP). Soil vapor investigations will be performed in accordance with the NYSDOH "Guidance for Evaluating Soil Vapor Intrusion in the State of New York". Additional information can be found at: [http://www.health.state.ny.us/environmental/investigations/soil\\_gas/svi\\_guidance](http://www.health.state.ny.us/environmental/investigations/soil_gas/svi_guidance)

<b>Task 1: Scoping</b>			
Unless otherwise approved in writing by the Department's project manager, all work shall conform to standby contractor's pre-approved QAPP, HASP and FAP.			
File Review	<input checked="" type="checkbox"/>	Max Hours	4
1 Trip to Site	<input checked="" type="checkbox"/>	Max Hours	2
1 Trip to Albany for Scoping Meeting (may be combined with site visit at discretion of Department's PM)	<input type="checkbox"/>	Max Hours	
Develop Schedule 2.11s	<input checked="" type="checkbox"/>	Max Hours	8
Progress Schedule Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Max Hours	2
Executive Summary Required for Repository? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Max Hours	
			<b>Total Task 1 Max Hours</b>
			<b>16</b>

Notes: This is one of 7 Vapor Intrusion Investigation WAs issued within the New Cassel Industrial Area. The site trip can be combined for all 7 sites.

<b>Task 2: Soil Vapor/Indoor Air Investigations</b>									
Identify SCGs									
Other General Requirements							Notes		
Prior to structure air sampling, an inspection of general site conditions will be performed at each property location. <input type="checkbox"/>									
Based on analytical results, perform an evaluation to determine the appropriate alternative (sub-slab depressurization system or soil vapor extraction system). <input type="checkbox"/>									
Structures	<input checked="" type="checkbox"/>	Access Issues (include details)	Contact site owner to arrange for mutually agreeable access time.						
	Sub-slab soil vapor	<input type="checkbox"/> 3		Sump Samples	<input type="checkbox"/>	Notes	Subslab samples at 3 locations and 2 indoor air samples.		
	Sub level air sample	<input type="checkbox"/>		Sub-slab soil	<input type="checkbox"/>				
	First floor air sample	<input type="checkbox"/> 2		Sub-slab ground water	<input type="checkbox"/>				
		Continuous split spoon samples from			to		feet		
Permanent Soil Vapor points		<input type="checkbox"/>	Feet at Deepest Point		<input type="checkbox"/>	Total Task 2 Max Hours	<input type="checkbox"/> 10		
<b>Task 3: Mitigation</b>									
If applicable, design an active sub-slab depressurization system in accordance with Radon Mitigation Standards (EPA 402-R-93-078, most recent version and NYSDOH SVI guidance.)									
A short duration soil vapor extraction (SVE) system pilot scale test to evaluate the radius of influence and provide design recommendations pertaining to the number of extraction wells, the depth of screen(s), the size of blower(s), the operating vacuum, and anticipated removal rates shall be performed, if necessary.									
	SVE	<input type="checkbox"/>	Sub-slab depressurization	<input type="checkbox"/>	Residential	<input type="checkbox"/>	Commercial/Industrial	<input type="checkbox"/>	
Electrical	<input type="checkbox"/>	Warranty(s)	<input type="checkbox"/>	Vent Discharge	<input type="checkbox"/>	Shop Drawings	<input type="checkbox"/>	Fan	<input type="checkbox"/>
				OM&M Descriptions	<input type="checkbox"/>	Total Task 3 Max Hours	<input type="checkbox"/>		
Notes	Mitigation measures, if required, will be determined after the results of this investigation are available.								

Task 4: Reporting			
Letter Report	<input checked="" type="checkbox"/>	Full Report	<input type="checkbox"/>
Building Survey	<input type="checkbox"/>	As-Builts	<input type="checkbox"/>
DUSR	<input checked="" type="checkbox"/>	Data Validation	<input checked="" type="checkbox"/>
IRM Required (specify)	<input type="checkbox"/>		
Assistance for public meeting, including trip to meeting(s), preparation of summary fact sheet(s) on site and info			<input type="checkbox"/>
Total Task 4 Max Hours			12
Notes	   		

Multi-year work assignments can include a 3% escalation for costs in subsequent years. Administrative level of effort (LOE) should not exceed 4% of the overall LOWE. NSPE level IX LOE should not exceed 2% of the total LOE.

Level of Effort (direct labor hours)

Task 1	16	Task 4	12
Task 2	10		
Task 3	0	<b>Total</b>	38

Estimated Subcontract Costs	\$ 2,500
Estimated Direct Non-Salary Costs	\$ 1,200
Estimated Project Cost	\$ 6,700

Calendar Days or work Timeframe

- 21 days from WA issue
- 35 days from WA issue
- '09-'10 Heating Season
- By January 30, 2010
- By February 28, 2010

Project Milestone

- Combined Scoping meeting and Site Visit
- 211s developed
- Sampling accomplished between November 15 - December 15, 2009
- Data validation completed
- Final report delivered

**New York State Department of Environmental Conservation**

**Division of Environmental Remediation**

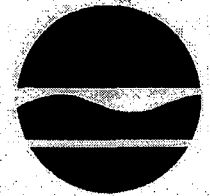
**Remedial Bureau A**

625 Broadway, 11<sup>th</sup> Floor

Albany, New York 12233-7015

Phone: (518) 402-9625 • Fax: (518) 402-9022

Website: [www.dec.state.ny.us](http://www.dec.state.ny.us)



Alexander B. Grannis  
Commissioner

MEMORANDUM

**TO:** Mike Cruden, Chief, Contracts and Payments Section

**FROM:** Guy Bobersky, Chief, REM-A, BURA *GB*  
Through Chittibabu Vasudevan, Director, BURA *CV*

**RE:** Work Assignment Issuance under Engineering Standby Contracts

**DATE:** May 11, 2009

---

**Site/Spill Name and Number, Location:** Former Laka Industries, Inc., Site No. 130043K,  
Nassau County

**Site/Spill Information:** See attached copy of UIS report

**Conflict of Interest:** See attached owner/operator list

**Work Element:** Vapor Intrusion

**Duration:** 12 Months

**Estimated Budget:** \$6,700

**Funding Source:** State Superfund

**Brief Description of Scope of Work:** The consultant will conduct indoor air and subslab soil vapor sampling (Vapor Intrusion Investigation) within the on-site building. See attached Quick Start Work Assignment.

**Attachments**

cc: D. Desnoyers  
S. Ervolina  
C. Vasudevan  
G. Bobersky  
W. Parish  
J. Jones  
D. Weigel



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
Site Briefing Report



<b>Site Code</b>	130043K	<b>Site Name</b>	Former LAKA Industries, Inc.	
<b>Classification</b>	02	<b>Address</b>	62 Kinkel Street	
<b>Region</b>	1	<b>City</b>	Westbury	<b>Zip</b> 11590
<b>Latitude</b>	40.7561	<b>Town</b>	North Hempstead	
<b>Longitude</b>	-73.5619	<b>County</b>	Nassau	<b>Project Manager</b> Joseph Jones
<b>Site Type</b>	Structure			<b>Estimated Size</b> 0.1700

### Site Description

This site is located on the east side of Kinkel Street, south of Main Street in the New Cassel Industrial Area. The former occupants LAKA Tools and Stamping and LAKA Industries used trichloroethylene (TCE) as a degreaser. Soil samples collected from an abandoned drywell or cesspool contained extremely high levels of TCE and cis-1,2-dichloroethylene (DCE) and groundwater samples collected at the same locations also contained high levels of both TCE and cis-1,2-DCE. Past site operations have contaminated groundwater beneath and downgradient of the site with high levels of TCE and cis-1,2-DCE. The contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminated plume that is emanating from this site has migrated approximately 700 feet downgradient. Two public water supply wells are located 1,500 feet downgradient of this site. This site has received a State Superfund referral. A standby consultant was authorized to implement a Focused Remedial Investigation and Feasibility Study. The field work was completed in October 1998. The Focused Remedial Investigation dated November 1998 and the Focused Feasibility Study dated May 1999 were presented along with the Proposed Remedial Action Plan (PRAP) for Operable Unit 1 (OU-1) on-site soil and groundwater were presented at a public meeting September 30, 1999. The selected remedy was the excavation and off-site disposal of soil and includes monitoring of on-site groundwater for a period of at least two years. The ROD for OU-1 was issued on February 29, 2000 and a Superfund referral was issued on January 3, 2001. The Remedial Action for OU-1 began on February 18, 2002. The excavation and cleanout of the cesspool and catch basin began on February 19, 2002 and confirmatory samples were collected. The excavation was restored and the final inspection was completed on February 28, 2002. The waste material was removed from the site in March, 2002. Soil vapor sampling carried out in March 2008 shows elevated VOC levels in on-site soils.

Contaminants of Concern (Including Materials Disposed)	Quantity Disposed
--	-------------------

TRICHLOROETHYLENE (F001-F002)	UNKNOWN
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**Analytical Data Available for :** Groundwater, Soil, Soil Vapor

**Applicable Standards Exceeded for:** Groundwater

### Site Environmental Assessment

Past site operations have contaminated the groundwater within a sole-source aquifer at and downgradient of the site with high levels of Trichloroethylene. Soil vapor sampling carried out in March 2008 indicate elevated levels of VOCs in on-site soil vapors.

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**Site Health Assessment**

The site may have contributed contamination to groundwater used for public water supplies. Water from these wells is treated to remove contamination and minimize exposures to contaminants in drinking water. Direct contact with contaminated soil is unlikely because the site is primarily covered with building and pavement. Soil vapor intrusion into on- and off-site buildings is possible.

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**Remedy Description and Cost**

---

**Remedy Description for Operable Unit 01**

Excavation and off-site disposal of sources.

Jim Harrington's ROD Descriptions:

Excavation and offsite Disp Inst. Controls

**Total Cost**                      \$68,000

**Capital Cost**                    \$59,000

**OM&M Cost**                    \$5,000

**Issues / Recommendations**

---

**Remedy Description for Operable Unit 02**

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**



6/16/2008

### Owners

#### Current Owner(s)

Sew Simple

710 SUMMA AVENUE

WESTBURY NY 11590

ADVANCE FOOD SERVICE EQUIPMENT

750 SUMMA AVENUE

WESTBURY NY 11590

ALL-SHIELD ELECTRONICS

45 BOND STREET

WESTBURY NY 11590

APPLIED FLUIDS

770 MAIN STREET

WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.

686 MAIN STREET

WESTBURY NY 11590

ATLAS GRAPHICS INC.

567 MAIN STREET

WESTBURY NY 11590

AUTRONIC PLASTICS

18 SYLVESTER STREET

WESTBURY NY 11590

DBA LONG ISLAND SPRAY & FINISHING

121 HOPPER STREET

WESTBURY NY 11590

### Operators

#### Current Operator(s)

Sew Simple

710 SUMMA AVENUE

WESTBURY NY 11590

ADCHEM CORPORATION

625 MAIN STREET

WESTBURY NY 11590

ADVANCE FOOD SERVICE EQUIPMENT

750 SUMMA AVENUE

WESTBURY NY 11590

ALLTRONICS

45 BOND STREET

WESTBURY NY 11590

ANTHONSEN'S ALL METAL PRODUCTS

630-640 MAIN STREET

WESTBURY NY 11590

APPLIED FLUIDS

770 MAIN STREET

WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.

686 MAIN STREET

WESTBURY NY 11590

ATLAS GRAPHICS INC.

567 MAIN STREET

WESTBURY NY 11590

AUTRONIC PLASTICS

18 SYLVESTER STREET

WESTBURY NY 11590

6/16/2008

BERNITE PRODUCTS INC  
84 NEW YORK AVENUE  
WESTBURY NY 11590

BILT-RITE STEEL BUCK CORP.  
95 HOPPER STREET  
WESTBURY NY 11590

CUSTOM COATING INC.  
36 NEW YORK AVENUE  
WESTBURY NY 11590

NUTRA TEC CORPORATION  
72 SYLVESTER STREET  
WESTBURY NY 11590

EFFICIENCY SYSTEMS  
45 URBAN AVENUE  
WESTBURY NY 11590

HURON TOOL AND CUTTING  
75 STATE STREET  
WESTBURY NY 11590

IMC MAGNETICS CORPORATION  
570 MAIN STREET  
WESTBURY NY 11590

INTERNATIONAL RIBBON AND CARBON  
49 SYLVESTER STREET  
WESTBURY NY 11590

AVANEL INDUSTRIES  
121 HOPPER STREET  
WESTBURY NY 11590

HOLMES AND SONS  
84 NEW YORK AVENUE  
WESTBURY NY 11590

JCL CUSTOM METAL DOORS  
95 HOPPER STREET  
WESTBURY NY 11590

CUSTOM COATING INC.  
36 NEW YORK AVENUE  
WESTBURY NY 11590

DURANED PHARMACEUTICALS  
72 SYLVESTER STREET  
WESTBURY NY 11590

GUILLOTINE SPLICER  
45 URBAN AVENUE  
WESTBURY NY 11590

HAMILTON AVENT ELECTRONICS, INC.  
70 STATE STREET  
WESTBURY NY 11590

HURON TOOL AND CUTTING  
75 STATE STREET  
WESTBURY NY 11590

IMC MAGNETICS CORPORATION  
570 MAIN STREET  
WESTBURY NY 11590

INTERNATIONAL RIBBON AND CARBON  
49 SYLVESTER STREET  
WESTBURY NY 11590

6/16/2008

SAM TON SALVAGE  
299 MAIN STREET  
WESTBURY NY 11590

BLEN-CAL ELECTRONICS  
700 SUMMA AVENUE  
WESTBURY NY 11590

KWIK-EEZE CORPORATION  
54 BROOKLYN AVENUE  
WESTBURY NY 11590

LAKA INDUSTRY INC.  
62 KINKEL STREET  
WESTBURY NY 11590

AMERICAN MOTORS  
110 STATE STREET  
WESTBURY NY 11590

PARAFUSE CORPORATION  
65 KINKEL STREET  
WESTBURY NY 11590

PERMAFUSE CORPORATION  
675 MAIN STREET  
WESTBURY NY 11590

SEW SIMPLE  
115 FROST STREET  
WESTBURY NY 11590

ISLAND TRANSPORTATION  
299 MAIN STREET  
WESTBURY NY 11590

BLEN-CAL ELECTRONICS  
700 SUMMA AVENUE  
WESTBURY NY 11590

KWIK-EEZE CORPORATION  
54 BROOKLYN AVENUE  
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62 KINKEL STREET  
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MOLLA INC.  
110 STATE STREET  
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675 MAIN STREET  
WESTBURY NY 11590

SEW SIMPLE  
115 FROST STREET  
WESTBURY NY 11590

UTILITY MANUFACTURING COMPANY  
700 MAIN STREET  
WESTBURY NY 11590

WARREN MACHINE COMPANY  
117 URBAN AVENUE  
WESTBURY NY 11590

6/16/2008

MTD KNITS  
117 URBAN AVENUE  
WESTBURY NY 11590

FREUND WOODWORKING  
589 MAIN STREET  
WESTBURY NY 11590

PRAEC TOOL COMPANY  
512 MAIN STREET  
WESTBURY NY 11590

SUPREME EDGELIGHT  
5 BOND STREET  
WESTBURY NY 11590

KORG USA, INC.  
75 FROST STREET  
WESTBURY NY 11590

JORWAY CORPORATION  
27 BOND STREET  
WESTBURY NY 11590

NEW YORK TESTING  
75 URBAN AVENUE  
WESTBURY NY 11590

BOGNER BROADCAST  
401 RAILROAD AVENUE  
WESTBURY NY 11590

FREUND WOODWORKING  
589 MAIN STREET  
WESTBURY NY 11590

VALU-LITHO  
512 MAIN STREET  
WESTBURY NY 11590

KLEARTONE TRANSPARENT  
695 SUMMA AVENUE  
WESTBURY NY 11590

SUPREME EDGELIGHT  
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UNICORD  
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BOGNER BROADCAST  
401 RAILROAD AVENUE  
WESTBURY NY 11590

ROYAL GUARD FENCE  
550 MAIN STREET  
WESTBURY NY 11590

T&S BRASS AND BRONZE  
128 MAGNOLIA AVENUE  
WESTBURY NY 11590

6/16/2008

ROYAL GUARD FENCE  
550 MAIN STREET  
WESTBURY NY 11590

B&L COLLISION  
69 KINKEL STREET  
WESTBURY NY 11590

FINE ART AUTOBODY  
90 NEW YORK AVENUE  
WESTBURY NY 11590

JOERGER ENTERPRISES  
32 NEW YORK AVENUE  
WESTBURY NY 11590

UNIFLEX  
474 GRAND BLVD.  
WESTBURY NY 11590

JUDITH LEWIS PRINTERS  
40 URBAN AVENUE  
WESTBURY NY 11590

CONTEMPORARY PACKAGING  
90 HOPPER STREET  
WESTBURY NY 11590

TAPEMAKERS INC.  
48 URBAN AVENUE  
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25 KINKEL STREET  
WESTBURY NY 11590

B&G LIGHTING  
51 URBAN AVENUE  
WESTBURY NY 11590

6/16/2008

AVON PRESS  
25 KINKEL STREET  
WESTBURY NY 11590

MAKE 1 STOP AUTO S&J BODY & FENDER  
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WESTBURY NY 11590

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97 STATE STREET  
WESTBURY NY 11590

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TISCHON CORPORATION  
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WESTBURY NY 11590

Site/Spill No./PIN: 130043K

Site/Spill Name: Former LAKA Industries, Inc.

**Work Plan Template**  
**Work Element: Vapor Intrusion Mitigation**

Date: April 30, 2009

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			<b>16</b>

Notes: This is one of 7 Vapor Intrusion Investigation WAs issued within the New Cassel Industrial Area. The site trip can be combined for all 7 sites.



Task 2: Soil Vapor/Indoor Air Investigations						Identify SCGs		
Other General Requirements						Notes		
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First floor air sample	<input type="checkbox"/>	2	Sub-slab ground water	<input type="checkbox"/>				
Continuous split spoon samples from		<input type="checkbox"/>	to	<input type="checkbox"/>	feet			
Permanent Soil Vapor points	<input type="checkbox"/>		Feet at Deepest Point	<input type="checkbox"/>			Total Task 2 Max Hours	<input type="checkbox"/>
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Electrical	<input type="checkbox"/>	Warranty(s)	<input type="checkbox"/>	Vent Discharge	<input type="checkbox"/>	Shop Drawings	<input type="checkbox"/>	Fan
						OM&M Descriptions	<input type="checkbox"/>	Total Task 3 Max Hours
Notes	Mitigation measures, if required, will be determined after the results of this investigation are available.							

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Letter Report	<input checked="" type="checkbox"/>	Full Report	<input type="checkbox"/>	Building Survey	<input type="checkbox"/>	As-Builts	<input type="checkbox"/>		
DUSR	<input checked="" type="checkbox"/>	Data Validation	<input checked="" type="checkbox"/>	IRM Required (specify)					
Assistance for public meeting, including trip to meeting(s), preparation of summary fact sheet(s) on site and info							<input type="checkbox"/>	Total Task 4 Max Hours	12
Notes									

Multi-year work assignments can include a 3% escalation for costs in subsequent years. Administrative level of effort (LOE) should not exceed 4% of the overall LOWE. NSPE level IX LOE should not exceed 2% of the total LOE.

Level of Effort (direct labor hours)

Task 1	16	Task 4	12
Task 2	10		
Task 3	0	<b>Total</b>	38

Estimated Subcontract Costs	\$ 2,500
Estimated Direct Non-Salary Costs	\$ 1,200
Estimated Project Cost	\$ 6,700

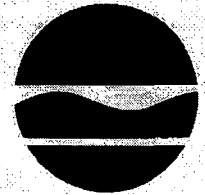
Calendar Days or work Timeframe

- 21 days from WA issue
- 35 days from WA issue
- '09-'10 Heating Season
- By January 30, 2010
- By February 28, 2010

Project Milestone

- Combined Scoping meeting and Site Visit
- 211s developed
- Sampling accomplished between November 15 - December 15, 2009
- Data validation completed
- Final report delivered

**New York State Department of Environmental Conservation**  
**Division of Environmental Remediation**  
**Remedial Bureau A**  
625 Broadway, 11<sup>th</sup> Floor  
Albany, New York 12233-7015  
**Phone:** (518) 402-9625 • **Fax:** (518) 402-9022  
**Website:** [www.dec.state.ny.us](http://www.dec.state.ny.us)



Alexander B. Granis  
Commissioner

MEMORANDUM

**TO:** Mike Cruden, Chief, Contracts and Payments Section  
**FROM:** Guy Bobersky, Chief, REM-A, BURA *GB*  
Through Chittibabu Vasudevan, Director, BURA *CW*  
**RE:** Work Assignment Issuance under Engineering Standby Contracts  
**DATE:** May 11, 2009

---

**Site/Spill Name and Number, Location:** EZ-EM, Inc., Site No. 130043N, Nassau County

**Site/Spill Information:** See attached copy of UIS report

**Conflict of Interest:** See attached owner/operator list

**Work Element:** Vapor Intrusion

**Duration:** 12 Months

**Estimated Budget:** \$6,700

**Funding Source:** State Superfund

**Brief Description of Scope of Work:** The consultant will conduct indoor air and subslab soil vapor sampling (Vapor Intrusion Investigation) within the on-site building. See attached Quick Start Work Assignment.

Attachments

ec: D. Desnoyers  
S. Ervolina  
C. Vasudevan  
G. Bobersky  
W. Parish  
J. Jones  
D. Weigel



**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
Site Briefing Report**



<b>Site Code</b>	130043N	<b>Site Name</b>	EZ-EM, Inc.	
<b>Classification</b>	04	<b>Address</b>	750 Summa Avenue	
<b>Region</b>	1	<b>City</b>	North Hempstead	<b>Zip</b> 11590
<b>Latitude</b>	40.7586	<b>Town</b>	North Hempstead	
<b>Longitude</b>	-73.5565	<b>County</b>	Nassau	<b>Project Manager</b> Joseph Jones
<b>Site Type</b>				<b>Estimated Size</b> 2.3000

### Site Description

The EZ-EM site is located in the New Cassel Industrial Area, an urban site in Nassau County, NY. This site consists of a two story office/warehouse with a 70,000 square foot footprint, some roadways and parking lots. Advance Food Service Equipment Manufacturing, a stainless steel kitchen equipment supplier, occupied the site between 1968 and 1971. Micro Industries, a machine shop, occupied the site between 1971 and 1982. Since that time, EZ-EM has been at the site. Records indicate that Advance Food Service stored or used 1,1,1-trichloroethane and other solvents while at the site. A vat used for degreasing operations was located in the southwest corner of the building. The Nassau County Department of Health required that the floor drain be sealed near the vat in 1978. Samples collected from a dry-well after 1978 found 1,1,1-trichloroethane at 480 ppb in dry-well and in 1985, the degreasing vat was removed. Records from 1978 also show that degreaser sludges containing a mixture of 1,1,1-trichloroethane and waste oil, were stored in drums in the rear of the facility. Investigations found higher levels of contamination in the groundwater near the former incidental disposal area relative to the lower levels of contamination found at upgradient locations. However, the extent and level of contamination appears to be localized. The contaminated groundwater is located within an EPA designated sole-source aquifer. Two public water supply wells are located approximately 2,800 feet downgradient of the site. Soil vapor samples taken March 2008 indicate elevated levels of VOCs in soil vapor on site.

Contaminants of Concern (Including Materials Disposed)	Quantity Disposed
111 - TCA ( F001 WASTE )	UNKNOWN

**Analytical Data Available for :** Groundwater, Soil, Soil Vapor

**Applicable Standards Exceeded for:** Groundwater

### Site Environmental Assessment

The primary contaminants of concern at the site known at this time include VOCs. Environmental sampling has confirmed groundwater contamination in the former disposal area at this site. The contamination is localized. Some groundwater sampling results for VOCs in areas near the site have shown VOCs in exceedance of SCGs. The site is located within an EPA designated sole source aquifer and is approximately 2,800 feet upgradient of a public water supply system.

### Site Health Assessment

The site may have contributed contamination to groundwater used for public water supplies. Water from these wells is treated to remove contamination and minimize exposures to contaminants in drinking water.

5/11/2009

Direct contact with contaminated soil is unlikely because the site is primarily covered with building and pavement. Soil vapor intrusion into on- and off-site buildings is possible.

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### Remedy Description and Cost

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#### Remedy Description for Operable Unit 00

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**

---

#### Remedy Description for Operable Unit 01

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**

---

#### Remedy Description for Operable Unit 01A

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**

---

#### Remedy Description for Operable Unit 02

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**

6/16/2008

### Owners

#### Current Owner(s)

Sew Simple  
710 SUMMA AVENUE  
WESTBURY NY 11590

ADVANCE FOOD SERVICE EQUIPMENT  
750 SUMMA AVENUE  
WESTBURY NY 11590

ALL-SHIELD ELECTRONICS  
45 BOND STREET  
WESTBURY NY 11590

APPLIED FLUIDS  
770 MAIN STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.  
686 MAIN STREET  
WESTBURY NY 11590

ATLAS GRAPHICS INC.  
567 MAIN STREET  
WESTBURY NY 11590

AUTRONIC PLASTICS  
18 SYLVESTER STREET  
WESTBURY NY 11590

DBA LONG ISLAND SPRAY & FINISHING  
121 HOPPER STREET  
WESTBURY NY 11590

### Operators

#### Current Operator(s)

Sew Simple  
710 SUMMA AVENUE  
WESTBURY NY 11590

ADCHEM CORPORATION  
625 MAIN STREET  
WESTBURY NY 11590

ADVANCE FOOD SERVICE EQUIPMENT  
750 SUMMA AVENUE  
WESTBURY NY 11590

ALLTRONICS  
45 BOND STREET  
WESTBURY NY 11590

ANTHONSEN'S ALL METAL PRODUCTS  
630-640 MAIN STREET  
WESTBURY NY 11590

APPLIED FLUIDS  
770 MAIN STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.  
686 MAIN STREET  
WESTBURY NY 11590

ATLAS GRAPHICS INC.  
567 MAIN STREET  
WESTBURY NY 11590

AUTRONIC PLASTICS  
18 SYLVESTER STREET  
WESTBURY NY 11590

6/16/2008

BERNITE PRODUCTS INC.  
84 NEW YORK AVENUE  
WESTBURY NY 11590

BILT-RITE STEEL BUCK CORP.  
95 HOPPER STREET  
WESTBURY NY 11590

CUSTOM COATING INC.  
36 NEW YORK AVENUE  
WESTBURY NY 11590

NUTRA TEC CORPORATION  
72 SYLVESTER STREET  
WESTBURY NY 11590

EFFICIENCY SYSTEMS  
45 URBAN AVENUE  
WESTBURY NY 11590

HURON TOOL AND CUTTING  
75 STATE STREET  
WESTBURY NY 11590

IMC MAGNETICS CORPORATION  
570 MAIN STREET  
WESTBURY NY 11590

INTERNATIONAL RIBBON AND CARBON  
49 SYLVESTER STREET  
WESTBURY NY 11590

AVANEL INDUSTRIES  
121 HOPPER STREET  
WESTBURY NY 11590

HOLMES AND SONS  
84 NEW YORK AVENUE  
WESTBURY NY 11590

JCL CUSTOM METAL DOORS  
95 HOPPER STREET  
WESTBURY NY 11590

CUSTOM COATING INC.  
36 NEW YORK AVENUE  
WESTBURY NY 11590

DURANED PHARMACEUTICALS  
72 SYLVESTER STREET  
WESTBURY NY 11590

GUILLOTINE SPLICER  
45 URBAN AVENUE  
WESTBURY NY 11590

HAMILTON AVENT ELECTRONICS, INC.  
70 STATE STREET  
WESTBURY NY 11590

HURON TOOL AND CUTTING  
75 STATE STREET  
WESTBURY NY 11590

IMC MAGNETICS CORPORATION  
570 MAIN STREET  
WESTBURY NY 11590

INTERNATIONAL RIBBON AND CARBON  
49 SYLVESTER STREET  
WESTBURY NY 11590

6/16/2008

SAM TON SALVAGE  
299 MAIN STREET  
WESTBURY NY 11590

BLEN-CAL ELECTRONICS  
700 SUMMA AVENUE  
WESTBURY NY 11590

KWIK-EEZE CORPORATION  
54 BROOKLYN AVENUE  
WESTBURY NY 11590

LAKA INDUSTRY INC.  
62 KINKEL STREET  
WESTBURY NY 11590

AMERICAN MOTORS  
110 STATE STREET  
WESTBURY NY 11590

PARAFUSE CORPORATION  
65 KINKEL STREET  
WESTBURY NY 11590

PERMAFUSE CORPORATION  
675 MAIN STREET  
WESTBURY NY 11590

SEW SIMPLE  
115 FROST STREET  
WESTBURY NY 11590

ISLAND TRANSPORTATION  
299 MAIN STREET  
WESTBURY NY 11590

BLEN-CAL ELECTRONICS  
700 SUMMA AVENUE  
WESTBURY NY 11590

KWIK-EEZE CORPORATION  
54 BROOKLYN AVENUE  
WESTBURY NY 11590

LAKA INDUSTRIES  
62 KINKEL STREET  
WESTBURY NY 11590

MOLLA INC.  
110 STATE STREET  
WESTBURY NY 11590

PARAFUSE CORPORATION  
65 KINKEL STREET  
WESTBURY NY 11590

PERMAFUSE CORPORATION  
675 MAIN STREET  
WESTBURY NY 11590

SEW SIMPLE  
115 FROST STREET  
WESTBURY NY 11590

UTILITY MANUFACTURING COMPANY  
700 MAIN STREET  
WESTBURY NY 11590

WARREN MACHINE COMPANY  
117 URBAN AVENUE  
WESTBURY NY 11590



6/16/2008

MTD KNITS  
117 URBAN AVENUE  
WESTBURY NY 11590

FREUND WOODWORKING  
589 MAIN STREET  
WESTBURY NY 11590

PRAEC TOOL COMPANY  
512 MAIN STREET  
WESTBURY NY 11590

SUPREME EDGELIGHT  
5 BOND STREET  
WESTBURY NY 11590

KORG USA, INC.  
75 FROST STREET  
WESTBURY NY 11590

JORWAY CORPORATION  
27 BOND STREET  
WESTBURY NY 11590

NEW YORK TESTING  
75 URBAN AVENUE  
WESTBURY NY 11590

BOGNER BROADCAST  
401 RAILROAD AVENUE  
WESTBURY NY 11590

FREUND WOODWORKING  
589 MAIN STREET  
WESTBURY NY 11590

VALU-LITHO  
512 MAIN STREET  
WESTBURY NY 11590

KLEARTONE TRANSPARENT  
695 SUMMA AVENUE  
WESTBURY NY 11590

SUPREME EDGELIGHT  
5 BOND STREET  
WESTBURY NY 11590

UNICORD  
75 FROST STREET  
WESTBURY NY 11590

JORWAY CORPORATION  
27 BOND STREET  
WESTBURY NY 11590

NEW YORK TESTING  
75 URBAN AVENUE  
WESTBURY NY 11590

BOGNER BROADCAST  
401 RAILROAD AVENUE  
WESTBURY NY 11590

ROYAL GUARD FENCE  
550 MAIN STREET  
WESTBURY NY 11590

T&S BRASS AND BRONZE  
128 MAGNOLIA AVENUE  
WESTBURY NY 11590

6/16/2008

ROYAL GUARD FENCE  
550 MAIN STREET  
WESTBURY NY 11590

B&L COLLISION  
69 KINKEL STREET  
WESTBURY NY 11590

FINE ART AUTOBODY  
90 NEW YORK AVENUE  
WESTBURY NY 11590

JOERGER ENTERPRISES  
32 NEW YORK AVENUE  
WESTBURY NY 11590

UNIFLEX  
474 GRAND BLVD.  
WESTBURY NY 11590

JUDITH LEWIS PRINTERS  
40 URBAN AVENUE  
WESTBURY NY 11590

CONTEMPORARY PACKAGING  
90 HOPPER STREET  
WESTBURY NY 11590

TAPEMAKERS INC.  
48 URBAN AVENUE  
WESTBURY NY 11590

B&L COLLISION  
69 KINKEL STREET  
WESTBURY NY 11590

FINE ART AUTOBODY  
90 NEW YORK AVENUE  
WESTBURY NY 11590

JOERGER ENTERPRISES  
32 NEW YORK AVENUE  
WESTBURY NY 11590

TISCHON CORPORATION  
68 KINKEL STREET  
WESTBURY NY 11590

UNIFLEX  
474 GRAND BLVD.  
WESTBURY NY 11590

JUDITH LEWIS PRINTERS  
40 URBAN AVENUE  
WESTBURY NY 11590

CONTEMPORARY PACKAGING  
90 HOPPER STREET  
WESTBURY NY 11590

TAPEMAKERS INC.  
48 URBAN AVENUE  
WESTBURY NY 11590

AVON PRESS  
25 KINKEL STREET  
WESTBURY NY 11590

B&G LIGHTING  
51 URBAN AVENUE  
WESTBURY NY 11590

6/16/2008

AVON PRESS  
25 KINKEL STREET  
WESTBURY NY 11590

MAKE 1 STOP AUTO S&J BODY & FENDER  
51 URBAN AVENUE  
WESTBURY NY 11590

METPAR STEEL  
97 STATE STREET  
WESTBURY NY 11590

SUPREME METAL FABRICATORS  
776-790 SUMMA AVENUE  
WESTBURY NY 11590

CONTINENTAL EXTRUSION  
751 SUMMA AVENUE  
WESTBURY NY 11590

HOWARD SCHUBERT  
51 RUSHMORE STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES  
710 SUMMA AVENUE  
WESTBURY NY 11590

ARKWIN INDUSTRIES  
656 MAIN STREET  
WESTBURY NY 11590

METPAR STEEL  
97 STATE STREET  
WESTBURY NY 11590

SUPREME METAL FABRICATORS  
776-790 SUMMA AVENUE  
WESTBURY NY 11590

CONTINENTAL EXTRUSION  
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WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.  
656 MAIN STREET  
WESTBURY NY 11590

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670 MAIN STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.  
70 MAIN STREET  
WESTBURY NY 11590

KORG USA, INC.  
89 FROST STREET  
WESTBURY NY 11590

NEW YORK TESTING  
81 URBAN STREET  
WESTBURY NY 11590

6/16/2008

ARKWIN INDUSTRIES

670 MAIN STREET

WESTBURY NY 11590

ARKWIN INDUSTRIES

70 MAIN STREET

WESTBURY NY 11590

KORG USA, INC.

89 FROST STREET

WESTBURY NY 11590

NEW YORK TESTING

81 URBAN AVENUE

WESTBURY NY 11590

OGIJENKO ANATOLE

ESTATE OF BISHOP ANDREI KUSCHAK

90-10 180TH STREET

JAMAICA NY 11432

TISCHON CORPORATION

29 KINKEL STREET

WESTBURY NY 11590

TISCHON CORPORATION

40 NEW YORK AVENUE

WESTBURY NY 11590

TISCHON CORPORATION

85 BROOKLYN AVENUE

WESTBURY NY 11590

Site/Spill No./PIN: 130043N

Site/Spill Name: EZ-EM, Inc.

**Work Plan Template**

Date: April 30, 2009

**Work Element: Vapor Intrusion Mitigation**

The scope of work will generally encompass activities as appropriate in the Standby Consulting Engineering Contract. Work shall be conducted in accordance with the "Draft DER-10, Technical Guidance for Site Investigation and Remediation dated 12/25/02" or the latest version when available. Quality Assurance/Quality Control (QA/QC) must conform to the most current version of the NYSDEC Analytical Services Protocol (ASP). Soil vapor investigations will be performed in accordance with the NYSDOH "Guidance for Evaluating Soil Vapor Intrusion in the State of New York". Additional information can be found at: [http://www.health.state.ny.us/environmental/investigations/soil\\_gas/svi\\_guidance](http://www.health.state.ny.us/environmental/investigations/soil_gas/svi_guidance)

<b>Task 1: Scoping</b>			
Unless otherwise approved in writing by the Department's project manager, all work shall conform to standby contractor's pre-approved QAPP, HASP and FAP.			
File Review	<input checked="" type="checkbox"/>	Max Hours	4
1 Trip to Site	<input checked="" type="checkbox"/>	Max Hours	2
1 Trip to Albany for Scoping Meeting (may be combined with site visit at discretion of Department's PM)	<input type="checkbox"/>	Max Hours	
Develop Schedule 2.11s	<input checked="" type="checkbox"/>	Max Hours	8
Progress Schedule Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Max Hours	2
Executive Summary Required for Repository? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Max Hours	
			<b>Total Task 1 Max Hours</b>
			16

Notes: This is one of 7 Vapor Intrusion Investigation WAs issued within the New Cassel Industrial Area. The site trip can be combined for all 7 sites.

Task 2: Soil Vapor/Indoor Air Investigations							Identify SCGs		
Other General Requirements							Notes		
Prior to structure air sampling, an inspection of general site conditions will be performed at each property location. <input type="checkbox"/>									
Based on analytical results, perform an evaluation to determine the appropriate alternative (sub-slab depressurization system or soil vapor extraction system). <input type="checkbox"/>									
Structures	<input checked="" type="checkbox"/>	Access Issues (include details)		Contact site owner to arrange for mutually agreeable access time.					
Sub-slab soil vapor	<input type="checkbox"/>	3	Sump Samples		<input type="checkbox"/>	Notes Subslab samples at 3 locations and 2 indoor air samples.			
Sub level air sample	<input type="checkbox"/>	Sub-slab soil		<input type="checkbox"/>					
First floor air sample	<input type="checkbox"/>	2	Sub-slab ground water		<input type="checkbox"/>				
Continuous split spoon samples from <input type="checkbox"/> to <input type="checkbox"/> feet									
Permanent Soil Vapor points		<input type="checkbox"/>	Feet at Deepest Point		<input type="checkbox"/>	Total Task 2 Max Hours	<input type="checkbox"/>	10	
Task 3: Mitigation									
If applicable, design an active sub-slab depressurization system in accordance with Radon Mitigation Standards (EPA 402-R-93-078, most recent version and NYSDOH SVI guidance.									
A short duration soil vapor extraction (SVE) system pilot scale test to evaluate the radius of influence and provide design recommendations pertaining to the number of extraction wells, the depth of screen(s), the size of blower(s), the operating vacuum, and anticipated removal rates shall be performed, if necessary.									
SVE	<input type="checkbox"/>	Sub-slab depressurization	<input type="checkbox"/>	Residential	<input type="checkbox"/>	Commercial/Industrial	<input type="checkbox"/>		
Electrical	<input type="checkbox"/>	Warranty(s)	<input type="checkbox"/>	Vent Discharge	<input type="checkbox"/>	Shop Drawings	<input type="checkbox"/>	Fan	<input type="checkbox"/>
OM&M Descriptions						<input type="checkbox"/>	Total Task 3 Max Hours	<input type="checkbox"/>	
Notes	Mitigation measures, if required, will be determined after the results of this investigation are available.								

Task 4: Reporting			
Letter Report	<input checked="" type="checkbox"/>	Full Report	<input type="checkbox"/>
Building Survey	<input type="checkbox"/>	As-Builts	<input type="checkbox"/>
DUSR	<input checked="" type="checkbox"/>	Data Validation	<input checked="" type="checkbox"/>
IRM Required (specify)		<input type="checkbox"/>	
Assistance for public meeting, including trip to meeting(s), preparation of summary fact sheet(s) on site and info			<input type="checkbox"/>
Total Task 4 Max Hours			12
Notes	   		

Multi-year work assignments can include a 3% escalation for costs in subsequent years. Administrative level of effort (LOE) should not exceed 4% of the overall LOWE. NSPE level IX LOE should not exceed 2% of the total LOE.

Level of Effort (direct labor hours)

Task 1	16	Task 4	12
Task 2	10		
Task 3	0	<b>Total</b>	<b>38</b>

Estimated Subcontract Costs	\$ 2,500
Estimated Direct Non-Salary Costs	\$ 1,200
Estimated Project Cost	\$ 6,700

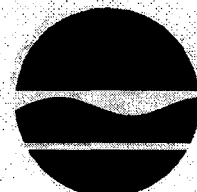
Calendar Days or work Timeframe

- 21 days from WA issue
- 35 days from WA issue
- '09-'10 Heating Season
- By January 30, 2010
- By February 28, 2010

Project Milestone

- Combined Scoping meeting and Site Visit
- 211s developed
- Sampling accomplished between November 15 - December 15, 2009
- Data validation completed
- Final report delivered

**New York State Department of Environmental Conservation**  
**Division of Environmental Remediation**  
**Remedial Bureau A**  
625 Broadway, 11<sup>th</sup> Floor  
Albany, New York 12233-7015  
**Phone:** (518) 402-9625 • **Fax:** (518) 402-9022  
**Website:** [www.dec.state.ny.us](http://www.dec.state.ny.us)



Alexander B. Grannis  
Commissioner

MEMORANDUM

**TO:** Mike Cruden, Chief, Contracts and Payments Section

**FROM:** Guy Bobersky, Chief, REM-A, BURA *GB*  
Through Chittibabu Vasudevan, Director, BURA *CV*

**RE:** Work Assignment Issuance under Engineering Standby Contracts

**DATE:** May 11, 2009

---

**Site/Spill Name and Number, Location:** Tishcon Corporation (New York Ave), Site No. 130043V, Nassau County

**Site/Spill Information:** See attached copy of UIS report

**Conflict of Interest:** See attached owner/operator list

**Work Element:** Vapor Intrusion

**Duration:** 12 Months

**Estimated Budget:** \$8,300

**Funding Source:** State Superfund

**Brief Description of Scope of Work:** The consultant will conduct indoor air and subslab soil vapor sampling (Vapor Intrusion Investigation), and subslab soil sampling, within the on-site building. See attached Quick Start Work Assignment.

Attachments

ec: D. Desnoyers  
S. Ervolina  
C. Vasudevan  
G. Bobersky  
W. Parish  
J. Jones  
D. Weigel





NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
Site Briefing Report



<b>Site Code</b>	130043V	<b>Site Name</b>	Tishcon Corporation (New York Av	
<b>Classification</b>	C	<b>Address</b>	29 New York Avenue	
<b>Region</b>	1	<b>City</b>	North Hempstead	<b>Zip</b> 11590
<b>Latitude</b>	40.7553	<b>Town</b>	North Hempstead	
<b>Longitude</b>	-73.5606	<b>County</b>	Nassau	<b>Project Manager</b> Joseph Jones
<b>Site Type</b>	Structure			<b>Estimated Size</b> 0.5000

### Site Description

The Tishcon site is located within the New Cassel Industrial area, an urban area in Nassau County, NY. The site is largely occupied by a warehouse style building, the remainder of the property is paved. This property is located between Sylvester Street and New York Avenue midway between Old Country Road and Main Street in the New Cassel Industrial Area. The Tishcon Corporation manufactures dietary supplements such as vitamins. Soft gelatin capsules are also manufactured by this company. As part of this process, a 1,1,1-trichloroethane (TCA) dip was used to remove mineral oil from the capsules. Approximately 4 drums of TCA were used per week. Sampling conducted on the property by a State consultant in December 1996 detected 180 ppm of TCA, 65 ppm of 1,1 DCA, 110 ppm of methylphenol and 3,900 ppm of Vitamin "E" in the on-site soils. This sample was collected from an open catch basin in the site parking lot. Past site operations have contaminated at least one dry well with high levels of volatile organics. The on-site contamination has impacted the underlying groundwater. This contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminant plume that is partially emanating from this property has migrated approximately 1,000 feet downgradient. Two public supply wells are located approximately 1,500 feet downgradient. The PRP signed a Remedial Investigation/Feasibility Study (RI/FS) Consent Order. A final Remedial Investigation report was received in January 2000. Based on the results, an IRM was carried out to remove contaminated soil from an on-site dry well. A Proposed Remedial Action Plan (PRAP) has been issued which proposes no further action for the site. In August 2001, the on-site dry well was remediated. End point samples confirmed that the remaining soils were below clean-up levels. The remaining groundwater contamination is due to an upgradient source. Soil vapor samples taken March 2008 indicate elevated VOCs in on-site soil vapors.

Contaminants of Concern (Including Materials Disposed)	Quantity Disposed
1,1,1 - TRICHLOROETHANE (TCA) ( F002 WASTE )	UNKNOWN

**Analytical Data Available for :** Groundwater, Soil, Soil Vapor

**Applicable Standards Exceeded for:** Groundwater

### Site Environmental Assessment

The August 2001 Interim Remedial Measure successfully remediated this site. The remaining groundwater contamination is due to an upgradient source. Soil vapor samples taken on site in March 2008 showed elevated VOC levels.

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**Site Health Assessment**

The site may have contributed contamination to groundwater used for public water supplies. Water from these wells is treated to remove contamination and minimize exposures to contaminants in drinking water. Direct contact with contaminated soil is unlikely because the site is primarily covered with building and pavement. Soil vapor intrusion into on- and off-site buildings is possible.

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**Remedy Description and Cost**

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**Remedy Description for Operable Unit 01**

The IRM will consist of sediment/sludge removal from an on-site drywell via a Vactor truck. End-point samples will be taken to confirm that all soil contamination is removed.

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**

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**Remedy Description for Operable Unit 01A**

The IRM will consist of sediment/sludge removal from an on-site drywell via a Vactor truck. End-point samples will be taken to confirm that all soil contamination is removed.

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**

---

**Remedy Description for Operable Unit 02**

**Total Cost**

**Capital Cost**

**OM&M Cost**

**Issues / Recommendations**

**Owners****Current Owner(s)**

Sew Simple

710 SUMMA AVENUE

WESTBURY NY 11590

ADVANCE FOOD SERVICE EQUIPMENT

750 SUMMA AVENUE

WESTBURY NY 11590

ALL-SHIELD ELECTRONICS

45 BOND STREET

WESTBURY NY 11590

APPLIED FLUIDS

770 MAIN STREET

WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.

686 MAIN STREET

WESTBURY NY 11590

ATLAS GRAPHICS INC.

567 MAIN STREET

WESTBURY NY 11590

AUTRONIC PLASTICS

18 SYLVESTER STREET

WESTBURY NY 11590

DBA LONG ISLAND SPRAY &amp; FINISHING

121 HOPPER STREET

WESTBURY NY 11590

**Operators****Current Operator(s)**

Sew Simple

710 SUMMA AVENUE

WESTBURY NY 11590

ADCHEM CORPORATION

625 MAIN STREET

WESTBURY NY 11590

ADVANCE FOOD SERVICE EQUIPMENT

750 SUMMA AVENUE

WESTBURY NY 11590

ALLTRONICS

45 BOND STREET

WESTBURY NY 11590

ANTHONSEN'S ALL METAL PRODUCTS

630-640 MAIN STREET

WESTBURY NY 11590

APPLIED FLUIDS

770 MAIN STREET

WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.

686 MAIN STREET

WESTBURY NY 11590

ATLAS GRAPHICS INC.

567 MAIN STREET

WESTBURY NY 11590

AUTRONIC PLASTICS

18 SYLVESTER STREET

WESTBURY NY 11590

6/16/2008

BERNITE PRODUCTS INC  
84 NEW YORK AVENUE  
WESTBURY NY 11590

BILT-RITE STEEL BUCK CORP.  
95 HOPPER STREET  
WESTBURY NY 11590

CUSTOM COATING INC.  
36 NEW YORK AVENUE  
WESTBURY NY 11590

NUTRA TEC CORPORATION  
72 SYLVESTER STREET  
WESTBURY NY 11590

EFFICIENCY SYSTEMS  
45 URBAN AVENUE  
WESTBURY NY 11590

HURON TOOL AND CUTTING  
75 STATE STREET  
WESTBURY NY 11590

IMC MAGNETICS CORPORATION  
570 MAIN STREET  
WESTBURY NY 11590

INTERNATIONAL RIBBON AND CARBON  
49 SYLVESTER STREET  
WESTBURY NY 11590

AVANEL INDUSTRIES  
121 HOPPER STREET  
WESTBURY NY 11590

HOLMES AND SONS  
84 NEW YORK AVENUE  
WESTBURY NY 11590

JCL CUSTOM METAL DOORS  
95 HOPPER STREET  
WESTBURY NY 11590

CUSTOM COATING INC.  
36 NEW YORK AVENUE  
WESTBURY NY 11590

DURANED PHARMACEUTICALS  
72 SYLVESTER STREET  
WESTBURY NY 11590

GUILLOTINE SPLICER  
45 URBAN AVENUE  
WESTBURY NY 11590

HAMILTON AVENT ELECTRONICS, INC.  
70 STATE STREET  
WESTBURY NY 11590

HURON TOOL AND CUTTING  
75 STATE STREET  
WESTBURY NY 11590

IMC MAGNETICS CORPORATION  
570 MAIN STREET  
WESTBURY NY 11590

INTERNATIONAL RIBBON AND CARBON  
49 SYLVESTER STREET  
WESTBURY NY 11590

6/16/2008

SAM TON SALVAGE  
299 MAIN STREET  
WESTBURY NY 11590

BLEN-CAL ELECTRONICS  
700 SUMMA AVENUE  
WESTBURY NY 11590

KWIK-EEZE CORPORATION  
54 BROOKLYN AVENUE  
WESTBURY NY 11590

LAKA INDUSTRY INC.  
62 KINKEL STREET  
WESTBURY NY 11590

AMERICAN MOTORS  
110 STATE STREET  
WESTBURY NY 11590

PARAFUSE CORPORATION  
65 KINKEL STREET  
WESTBURY NY 11590

PERMAFUSE CORPORATION  
675 MAIN STREET  
WESTBURY NY 11590

SEW SIMPLE  
115 FROST STREET  
WESTBURY NY 11590

ISLAND TRANSPORTATION  
299 MAIN STREET  
WESTBURY NY 11590

BLEN-CAL ELECTRONICS  
700 SUMMA AVENUE  
WESTBURY NY 11590

KWIK-EEZE CORPORATION  
54 BROOKLYN AVENUE  
WESTBURY NY 11590

LAKA INDUSTRIES  
62 KINKEL STREET  
WESTBURY NY 11590

MOLLA INC.  
110 STATE STREET  
WESTBURY NY 11590

PARAFUSE CORPORATION  
65 KINKEL STREET  
WESTBURY NY 11590

PERMAFUSE CORPORATION  
675 MAIN STREET  
WESTBURY NY 11590

SEW SIMPLE  
115 FROST STREET  
WESTBURY NY 11590

UTILITY MANUFACTURING COMPANY  
700 MAIN STREET  
WESTBURY NY 11590

WARREN MACHINE COMPANY  
117 URBAN AVENUE  
WESTBURY NY 11590

6/16/2008

MTD KNITS  
117 URBAN AVENUE  
WESTBURY NY 11590

FREUND WOODWORKING  
589 MAIN STREET  
WESTBURY NY 11590

PRAEC TOOL COMPANY  
512 MAIN STREET  
WESTBURY NY 11590

SUPREME EDGELIGHT  
5 BOND STREET  
WESTBURY NY 11590

KORG USA, INC.  
75 FROST STREET  
WESTBURY NY 11590

JORWAY CORPORATION  
27 BOND STREET  
WESTBURY NY 11590

NEW YORK TESTING  
75 URBAN AVENUE  
WESTBURY NY 11590

BOGNER BROADCAST  
401 RAILROAD AVENUE  
WESTBURY NY 11590

FREUND WOODWORKING  
589 MAIN STREET  
WESTBURY NY 11590

VALU-LITHO  
512 MAIN STREET  
WESTBURY NY 11590

KLÉARTONE TRANSPARENT  
695 SUMMA AVENUE  
WESTBURY NY 11590

SUPREME EDGELIGHT  
5 BOND STREET  
WESTBURY NY 11590

UNICORD  
75 FROST STREET  
WESTBURY NY 11590

JORWAY CORPORATION  
27 BOND STREET  
WESTBURY NY 11590

NEW YORK TESTING  
75 URBAN AVENUE  
WESTBURY NY 11590

BOGNER BROADCAST  
401 RAILROAD AVENUE  
WESTBURY NY 11590

ROYAL GUARD FENCE  
550 MAIN STREET  
WESTBURY NY 11590

T&S BRASS AND BRONZE  
128 MAGNOLIA AVENUE  
WESTBURY NY 11590

6/16/2008

ROYAL GUARD FENCE  
550 MAIN STREET  
WESTBURY NY 11590

B&L COLLISION  
69 KINKEL STREET  
WESTBURY NY 11590

FINE ART AUTOBODY  
90 NEW YORK AVENUE  
WESTBURY NY 11590

JOERGER ENTERPRISES  
32 NEW YORK AVENUE  
WESTBURY NY 11590

UNIFLEX  
474 GRAND BLVD.  
WESTBURY NY 11590

JUDITH LEWIS PRINTERS  
40 URBAN AVENUE  
WESTBURY NY 11590

CONTEMPORARY PACKAGING  
90 HOPPER STREET  
WESTBURY NY 11590

TAPEMAKERS INC.  
48 URBAN AVENUE  
WESTBURY NY 11590

B&L COLLISION  
69 KINKEL STREET  
WESTBURY NY 11590

FINE ART AUTOBODY  
90 NEW YORK AVENUE  
WESTBURY NY 11590

JOERGER ENTERPRISES  
32 NEW YORK AVENUE  
WESTBURY NY 11590

TISCHON CORPORATION  
68 KINKEL STREET  
WESTBURY NY 11590

UNIFLEX  
474 GRAND BLVD.  
WESTBURY NY 11590

JUDITH LEWIS PRINTERS  
40 URBAN AVENUE  
WESTBURY NY 11590

CONTEMPORARY PACKAGING  
90 HOPPER STREET  
WESTBURY NY 11590

TAPEMAKERS INC.  
48 URBAN AVENUE  
WESTBURY NY 11590

AVON PRESS  
25 KINKEL STREET  
WESTBURY NY 11590

B&G LIGHTING  
51 URBAN AVENUE  
WESTBURY NY 11590

6/16/2008

AVON PRESS  
25 KINKEL STREET  
WESTBURY NY 11590

MAKE 1 STOP AUTO S&J BODY & FENDER  
51 URBAN AVENUE  
WESTBURY NY 11590

METPAR STEEL  
97 STATE STREET  
WESTBURY NY 11590

SUPREME METAL FABRICATORS  
776-790 SUMMA AVENUE  
WESTBURY NY 11590

CONTINENTAL EXTRUSION  
751 SUMMA AVENUE  
WESTBURY NY 11590

HOWARD SCHUBERT  
51 RUSHMORE STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES  
710 SUMMA AVENUE  
WESTBURY NY 11590

ARKWIN INDUSTRIES  
656 MAIN STREET  
WESTBURY NY 11590

METPAR STEEL  
97 STATE STREET  
WESTBURY NY 11590

SUPREME METAL FABRICATORS  
776-790 SUMMA AVENUE  
WESTBURY NY 11590

CONTINENTAL EXTRUSION  
751 SUMMA AVENUE  
WESTBURY NY 11590

HOWARD SCHUBERT  
51 RUSHMORE STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.  
710 SUMMA AVENUE  
WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.  
656 MAIN STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.  
670 MAIN STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES, INC.  
70 MAIN STREET  
WESTBURY NY 11590

KORG USA, INC.  
89 FROST STREET  
WESTBURY NY 11590

NEW YORK TESTING  
81 URBAN STREET  
WESTBURY NY 11590



6/16/2008

ARKWIN INDUSTRIES  
670 MAIN STREET  
WESTBURY NY 11590

ARKWIN INDUSTRIES  
70 MAIN STREET  
WESTBURY NY 11590

KORG USA, INC.  
89 FROST STREET  
WESTBURY NY 11590

NEW YORK TESTING  
81 URBAN AVENUE  
WESTBURY NY 11590

OGIJENKO ANATOLE  
ESTATE OF BISHOP ANDREI KUSCHAK  
90-10 180TH STREET  
JAMAICA NY 11432

TISCHON CORPORATION  
29 KINKEL STREET  
WESTBURY NY 11590

TISCHON CORPORATION  
40 NEW YORK AVENUE  
WESTBURY NY 11590

TISCHON CORPORATION  
85 BROOKLYN AVENUE  
WESTBURY NY 11590

Site/Spill No./PIN: 130043V

Site/Spill Name: Tishcon Corporation (NY Ave.)

**Work Plan Template**  
**Work Element: Vapor Intrusion Mitigation**

Date: April 30, 2009

The scope of work will generally encompass activities as appropriate in the Standby Consulting Engineering Contract. Work shall be conducted in accordance with the "Draft DER-10, Technical Guidance for Site Investigation and Remediation dated 12/25/02" or the latest version when available. Quality Assurance/Quality Control (QA/QC) must conform to the most current version of the NYSDEC Analytical Services Protocol (ASP). Soil vapor investigations will be performed in accordance with the NYSDOH "Guidance for Evaluating Soil Vapor Intrusion in the State of New York". Additional information can be found at : [http://www.health.state.ny.us/environmental/investigations/soil\\_gas/svi\\_guidance](http://www.health.state.ny.us/environmental/investigations/soil_gas/svi_guidance)

<b>Task 1: Scoping</b>			
Unless otherwise approved in writing by the Department's project manager, all work shall conform to standby contractor's pre-approved QAPP, HASP and FAP.			
File Review	<input checked="" type="checkbox"/>	Max Hours	4
1 Trip to Site	<input checked="" type="checkbox"/>	Max Hours	2
1 Trip to Albany for Scoping Meeting (may be combined with site visit at discretion of Department's PM)	<input type="checkbox"/>	Max Hours	
Develop Schedule 2.11s	<input checked="" type="checkbox"/>	Max Hours	8
Progress Schedule Required?      Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Max Hours	2
Executive Summary Required for Repository?      Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Max Hours	
<b>Total Task 1 Max Hours</b>			<b>16</b>

Notes: This is one of 7 Vapor Intrusion Investigation WAs issued within the New Cassel Industrial Area. The site trip can be combined for all 7 sites.

Task 2: Soil Vapor/Indoor Air Investigations									
Identify SCGs									
Other General Requirements						Notes			
Prior to structure air sampling, an inspection of general site conditions will be performed at each property location.							<input type="checkbox"/>		
Based on analytical results, perform an evaluation to determine the appropriate alternative (sub-slab depressurization system or soil vapor extraction system).							<input type="checkbox"/>		
Structures	<input checked="" type="checkbox"/>	Access Issues (include details)	Contact site owner to arrange for mutually agreeable access time.						
Sub-slab soil vapor	<input type="checkbox"/>	3	Sump Samples	<input type="checkbox"/>	Notes			Subslab samples at 3 locations and 2 indoor air samples. Also continuous split spoon samples to 20 ft bgs screened with a OVM with highest reading sent to lab for volatile analysis.	
Sub level air sample	<input type="checkbox"/>		Sub-slab soil	<input type="checkbox"/>					
First floor air sample	<input type="checkbox"/>	2	Sub-slab ground water	<input type="checkbox"/>					
Continuous split spoon samples from		<input type="checkbox"/>	1	to	<input type="checkbox"/>	20	feet		
Permanent Soil Vapor points	<input type="checkbox"/>	Feet at Deepest Point			<input type="checkbox"/>	Total Task 2 Max Hours	<input type="checkbox"/>	10	
Task 3: Mitigation									
If applicable, design an active sub-slab depressurization system in accordance with Radon Mitigation Standards (EPA 402-R-93-078, most recent version and NYSDOH SVI guidance.									
A short duration soil vapor extraction (SVE) system pilot scale test to evaluate the radius of influence and provide design recommendations pertaining to the number of extraction wells, the depth of screen(s), the size of blower(s), the operating vacuum, and anticipated removal rates shall be performed, if necessary.									
SVE	<input type="checkbox"/>	Sub-slab depressurization	<input type="checkbox"/>	Residential	<input type="checkbox"/>	Commercial/Industrial	<input type="checkbox"/>		
Electrical	<input type="checkbox"/>	Warranty(s)	<input type="checkbox"/>	Vent Discharge	<input type="checkbox"/>	Shop Drawings	<input type="checkbox"/>	Fan	<input type="checkbox"/>
OM&M Descriptions						<input type="checkbox"/>	Total Task 3 Max Hours	<input type="checkbox"/>	
Notes	Mitigation measures, if required, will be determined after the results of this investigation are available.								

Task 4: Reporting			
Letter Report <input checked="" type="checkbox"/>	Full Report <input type="checkbox"/>	Building Survey <input type="checkbox"/>	As-Built <input type="checkbox"/>
DUSR <input checked="" type="checkbox"/>	Data Validation <input checked="" type="checkbox"/>	IRM Required (specify) <input type="checkbox"/>	
Assistance for public meeting, including trip to meeting(s), preparation of summary fact sheet(s) on site and info <input type="checkbox"/>			Total Task 4 Max Hours <input type="text" value="12"/>
Notes			

Multi-year work assignments can include a 3% escalation for costs in subsequent years. Administrative level of effort (LOE) should not exceed 4% of the overall LOWE. NSPE level IX LOE should not exceed 2% of the total LOE.

Level of Effort (direct labor hours)

Task 1	<input type="text" value="16"/>	Task 4	<input type="text" value="12"/>
Task 2	<input type="text" value="16"/>		
Task 3	<input type="text" value="0"/>	<b>Total</b>	<input type="text" value="44"/>

Estimated Subcontract Costs	\$ <input type="text" value="3,000"/>
Estimated Direct Non-Salary Costs	\$ <input type="text" value="2,000"/>
Estimated Project Cost	\$ <input type="text" value="8,300"/>

Calendar Days or work Timeframe

- 
- 
- 
- 
- 

Project Milestone

- 
- 
- 
- 
-