

00-00-103 (6/78)



New York State Department of Environmental Conservation

MEMORANDUM

TO:
FROM:
SUBJECT:

DATE:

workplan, hw. 130009.2010-12-01, D006130-13_HRP.pdf

New York State Department of Environmental Conservation

Division of Environmental Remediation

Bureau of Program Management, 12th Floor

625 Broadway, Albany, New York 12233-7012

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

Website: www.dec.ny.gov



Peter M. Iwanowicz
Acting Commissioner

December 1, 2010

10026809

Jeff Sotek, P.E.
HRP Engineering, P.C.
1 Fairchild Square, Suite 110
Clifton Park, NY 12065

RE: Schedule 2.11s Approval
Contract/WA No.: D006130-13
Site Name: Photo Circuits
Site # 130009

Dear Mr.Sotek:

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 \$153,702. 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 Manger, Joseph Jones at (518) 402-9621.

Sincerely,

Steve Karwiel
Acting Chief
Contracts and Payment Section
Bureau of Program Management
Division of Environmental Remediation

ec: J. Jones
P. Kappeller
D. Desnoyers
R. Schick
D. Weigel
B. Phaneuf
G. Bobersky
W. Parish
D. Finlayson
T. Wolosen
M/WBE Unit

HRP Associates, Inc.

Creating the Right Solutions Together

November 4, 2010

Patricia Kappeller
NYS Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management
625 Broadway, 12th Floor
Albany, NY 12233-7012

**RE: HRP ENGINEERING P.C., D006130-13, WORK ASSIGNMENT #13
PHOTO CIRCUITS
31 SEA CLIFF AVENUE, GLEN COVE, NEW YORK 11542
SUBMISSION OF WORK ASSIGNMENT BUDGET - 2.11's**

Dear Mrs. Kappeller:

HRP Engineering P.C. (HRP) was issued work assignment number thirteen on September 9, 2010 for a Remedial Design of 31 Sea Cliff, Glen Cove, New York, Nassau County (site ID# 130009).

As per HRP Engineering P.C. (HRP) stand-by services contract D006130, HRP is submitting the work assignment budget for the above referenced site. HRP has followed the NYS procurement procedures to obtain the correct number of bids for each service needed to complete the work assignment as described in the work plan template included in the WA issuance/ notice to proceed letter from the NYSDEC. Also included as an attachment to this letter are the subcontractor certification forms and quotes obtained during the procurement process.

HRP's final budget for D006230-13 is \$153,702, which is above the estimate in the NYSDEC work assignment issuance letter. The additional costs are due to the addition of air sparge observation points and a soil vapor extraction well. The work assignment provided for only the installation of an air sparge well to a depth of 110-ft. The installation of observation points is necessary to identify the radius of influence during the sparge pilot test. Due to the depth of the sparge well and presence of silt and clay stringers in the subsurface, the observation wells will be completed as nested well clusters that are screened at various depths. The drilling cost (\$22,524.21) is higher than the \$12,000 in the DEC proposed budget for subcontractors. In addition, the direct non-salary costs are more than the DEC proposed budget. Also, HRP's labor hours are more than the DEC proposed budget due to the fact that the drilling task is anticipated to take four days.

HRP obtained quotes from several W/MBE's and selected the lowest bidders in each required task. HRP will be utilizing one WBE and one MBE on this work assignment. HRP anticipates the financial expenditures for FY 2010/2011 to be \$76,851.00 and for FY 2011/2012 to be \$76,851.00

If you have questions or comments, please feel free contact Nancy Garry or myself at (518) 877-7101.

Sincerely,
HRP Associates, Inc.



Jeffrey R. Sotek, PE, CSP, CIH

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Attachments (2)

Schedule 2.11(a)

Summary of Work Assignment Price

Work Assignment Number: D006130-13

Photo Circuits, 31 Sea Cliff Avenue, Glen Cove, NY

1) Direct Salary Costs (Schedules 2.10(a) and 2.11(b))	<u>\$33,323</u>
2) Indirect Costs (Schedule 2.10(g))	<u>\$38,322</u>
3) Direct Non-Salary Costs (Schedules 2.10(b)(c)(d) and 2.11(c)(d))	<u>\$19,828</u>
4) Subcontract Costs	

Cost-Plus-Fixed-Fee Subcontracts (Schedule 2.10(e) and 2.11(e))

<u>Name of Subcontractor</u>	<u>Services To Be Performed</u>	<u>Subcontract Price</u>
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i)

A) Total Cost-Plus-Fixed-Fee Subcontracts	<u>\$0</u>
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Unit Price Subcontracts (Schedule 2.10 (f) and 2.11 (f))

<u>Name of Subcontractor</u>	<u>Services To Be Performed</u>	<u>Subcontract Price</u>
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i) Chemtech (MBE)	Laboratory	\$19,360
ii) LAWES (W/DBE)	Driller	\$22,524
iii) TIER	Drum Inventory	\$5,124
iv) TBD	Drummed waste disposal	\$4,815

B) Total Unit Price Subcontracts	<u>\$51,823</u>
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5) Subcontract Management Fee	<u>\$2,094</u>
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6) Total Subcontract Costs (lines 4A + 4B + 5)	<u>\$53,917</u>
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7) Fixed Fee (Schedule 2.10(h))	<u>\$8,311</u>
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8) Total Work Assignment Price (Lines 1 + 2 + 3 + 6 + 7)	<u>\$153,702</u>
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Engineer/Contract # D006130
 Project Name Photo Circuits
 Work Assignment No. WA#13

Date Prepared: 10/25/2010

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

Labor Classification	IX	VIII	VII	VI	V	IV	III	II	I	Admin. Support	Total No. of Direct Labor Hrs.
Task 1 Scoping	0	8	0	0	0	0	0	0	0	0	8
Task 2 Plans & Specifications	0	10	0	0	2	0	0	2	0	0	14
Task 3 Final Design	0	4	0	0	2	0	0	2	0	0	8
Task 4 Additional Studies	0	14	0	0	2	0	0	2	0	0	18
TOTAL HOURS	0	36	0	0	6	0	0	6	0	0	48

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

- 1) Work Plan Budget Development
 - > Conflict of Interest Check
 - > Budget schedules & supporting documentation
- 2) Review work assignment (WA) progress
 - > Conduct progress reviews
 - > Prepare monthly project report
 - > Update WA progress schedule
 - > Prepare M/WBE Utilization Report
- 3) Contractor Application for Payment (CAP)
 - > Oversee and prepare monthly CAP

- 4) Program Management
 - > Prepare monthly cost control report
 - > Cost control reviews
 - <> Staffing Plans
 - > Manage subcontracts
 - > NSPE list update
 - > Equipment inventory
- 5) Miscellaneous
 - > Conduct Health and Safety Reviews
 - > Word processing and graphic artists
 - > Report editing

Contract/Project Administration hours would **not** include:

- 1) QA/QC reviews
- 2) Technical oversight by management
- 3) Develop subcontracts
- 4) Work plan development
- 5) Review of deliverables

Engineer/Contract # D006130
 Project Name Photo Circuits
 Work Assignment No. WA#13

Date Prepared: 10/25/2010

Schedule 2.11(b)
Direct Labor Hours Budgeted

Labor Classification	IX		VIII		VII		VI		V		IV		III		II		I		Tech. Support	Admin Support	Total No. of Direct Labor Hours and Costs Budgeted	
*Av. Salary Rate (\$) _____ Year 2010	\$67.72		\$43.27		\$38.59		\$33.16		\$29.04		\$25.87		\$24.18		\$20.77		\$18.89		\$0.00	\$0.00	0	
Description	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Task 1 Scoping	1	\$68	91	\$3,938		\$0		\$0	84	\$2,439		\$0		\$0	44	\$914		\$0		\$0	220	\$7,359
Task 2 Preliminary Design		\$0	35	\$1,514		\$0		\$0	110	\$3,194		\$0		\$0	35	\$727	14	\$264		\$0	194	\$5,700
Task 3 Final Design		\$0	12	\$519		\$0		\$0	40	\$1,162		\$0		\$0	24	\$498	16	\$302		\$0	92	\$2,482
Task 4 Additional Sampling	1	\$68	76	\$3,289		\$0		\$0	115	\$3,340	20	\$517	98	\$2,370	202	\$4,196	212	\$4,005		\$0	724	\$17,783
Total Hours	2		214		0		0		349		20		98		305		242		0	0	1230	
Total Direct Labor Cost (\$) Year		\$135		\$9,260		\$0		\$0	#####		\$517		\$2,370		\$6,335		\$4,571		\$0		\$0	\$33,323
Labor Classification	IX		VIII		VII		VI		V		IV		III		II		I		Tech. Support	Admin Support	Total No. of Direct Labor Hours and Costs Budgeted	
*Av. Salary Rate (\$) _____ Year	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	\$0.00	0	
Description	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Task		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0
Total Hours	0		0		0		0		0		0		0		0		0		0		0	
Total Direct Labor Cost (\$) Year		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0
Total Hours	2		214		0		0		349		20		98		305		242		0	0	1230	
Total Direct Labor Cost		\$135		\$9,260		\$0		\$0	#####		\$517		\$2,370		\$6,335		\$4,571		\$0		\$0	\$33,323

* For multiple years use one average salary rate row for each year and each years subtotal Labor Cost.

Schedule 2.11 (c)

**Direct Non-Salary Costs
Work Assignment Number D006130-13
Photo Circuits**

Item	Max. Reimbursement *	Est. No. of Units	Total Estimated Cost
A) Other			
TASK 1 (Scoping)			
1) Reproduction _ B&W 8x11	\$0.03 per copy	200	\$6.00
2) Reproduction _ B&W 11x17	\$0.07 per copy	25	\$1.75
3) Reproduction _ Color 8x11	\$0.50 per copy	0	\$0.00
Total for Task 1A			\$7.75
TASK 2 (Preliminary Design)			
1) Reproduction _ B&W 8x11	\$0.03 per copy	600	\$18.00
2) Reproduction _ B&W 11x17	\$0.07 per copy	50	\$3.50
3) Reproduction _ Color 8x11	\$0.50 per copy	5	\$2.50
6) Fed Ex / lab coolers	\$60.00 shipment	3	\$180.00
Total for Task 2A			\$204.00
TASK 3 (Final Design)			
1) Reproduction _ B&W 8x11	\$0.03 per copy	200	\$6.00
2) Reproduction _ B&W 11x17	\$0.07 per copy	20	\$1.40
3) Reproduction _ Color 8x11	\$0.50 per copy	2	\$1.00
4) Fed Ex / lab coolers	\$60.00 shipment	3	\$180.00
Total for Task 3A			\$188.40
TASK 4 (Additional Sampling)			
1) Reproduction _ B&W 8x11	\$0.03 per copy	1000	\$30.00
2) Reproduction _ B&W 11x17	\$0.07 per copy	5	\$0.35
3) Reproduction _ Color 8x11	\$0.50 per copy	80	\$40.00
4) Reproduction _ Color 11x17	\$1.00 per copy	5	\$5.00
6) Fed Ex / mailing	\$22.00 shipment	3	\$66.00
Total for Task 4A			\$141.35
B) Miscellaneous			
TASK 1 (Scoping)			
1) PPE (level D)	\$15.00 per man/per day	2	\$30
Total for Task 1B			\$30
TASK 2 (Preliminary Design)			
1) PPE (level D)	\$15.00 per man/per day	0	\$0
2) LVE	\$0.80 per person-field	0	\$0
Total for Task 2B			\$0
TASK 3 (Final Design)			
1) PPE (level D)	\$15.00 per man/per day	0	\$0
2) LVE	\$0.80 per person-field	0	\$0
Total for Task 3B			\$0
TASK 4(Additional Sampling)			
1) PPE (level D)	\$15.00 per man/per day	26	\$390
2) LVE	\$0.80 per person-field	26	\$21
Total for Task 4B			\$411
C) Travel			
TASK 1 (Scoping)			
1) Tolls	\$28.00 per trip	1	\$28
2) Mileage	\$0.500 per mile	1740	\$870
Total for Task 1C			<u>\$898</u>
TASK 2 (Preliminary Design)			
1) Meals	\$66 per day	0	\$0
2) Lodging	\$161 per day	0	\$0
3) Mileage	\$0.500 per mile	0	\$0
4) Tolls	\$28.00 per trip	0	\$0
Total for Task 2C			\$0
TASK 3 (Final Design)			
1) Meals	\$66 per day	0	\$0
2) Lodging	\$161 per day	0	\$0
3) Gas rental/vehicles	\$57.00 per trip	0	\$0
4) Vehicle rental	\$60.00 per day	0	\$0
5) Tolls	\$28.00 per trip	0	\$0
Total for Task 3C			\$0
TASK 4 (Additional Sampling)			
1) Meals	\$66 per day	32	\$2,112
2) Lodging	\$161 per day	32	\$5,152
3) Gas rental/vehicles	\$57.00 per trip	16	\$912
4) Vehicle rental	\$60.00 per day	16	\$960

5) Tolls

\$28.00 per trip

4

\$112

Total for Task 3C

\$9,248

Total Direct Non-Salary Costs

\$11,128

Schedule 2.11(d) 3

Photo Circuits

Work Assignment Number: D006130-13

Maximum Reimbursement Rate for Vendor Rented Equipment

Photo Circuits, 31 Sea Cliff Avenue, Glen Cove, NY

Item	Max Reimbursement Rate (\$)² (Per Day)	Shipping charges (round trip)	Est. Usage (unit of time)	Est. Rental Cost (\$) (Col. 2 x 4 + 3)
PID Mini RAE2000 w/10.6 eV lamp	\$75.00	\$80.00	21	\$1,655.00
Dust TRAK 8520 Aerosol Monitor -2 units (\$75/per day one ur	\$150.00	\$150.00	21	\$3,300.00
Dust TRAK Tripod & enclosure	\$35.00	\$50.00	21	\$785.00
Weather Station	\$45.00	\$50.00	21	\$995.00
Solinst Model 122 Interface Probe (150' length)	\$110.00	\$50.00	5	\$600.00
Honda EU2000I Generator	\$45.00	\$80.00	5	\$305.00
YSI 55/550A DO meter	\$25.00	\$50.00	5	\$175.00

TOTAL:

\$7,815

Schedule 2.11(d) 5

Photo Circuits

Work Assignment No.: D006130-13

Maximum Reimbursement Rate for Consumables

Item	Estimated Quantity	Unit Cost (\$)	Total Budgeted Cost (Col 2 x 3) (\$)
Ice (1 pound bags)	20	\$3.00	\$60.00
Health & safety items (e.g., drinks, water, cups)	5	\$100.00	\$500.00
Safety Gloves (boxes)	5	\$10.00	\$50.00
Traffic Cones	8	\$10.00	\$80.00
Caution Tap	5	\$10.00	\$50.00
Coolers	3	\$30.00	\$90.00
Ziploc bags	5	\$4.00	\$20.00
bailers	10	\$3.25	\$32.50
rope	50	\$0.05	\$2.50

TOTAL: \$885.00

Schedule 2.11 (f)

Unit Price Subcontracts
Work Assignment Number D006130-13

Photo Circuits

Name of Subcontractor		Services to be Performed		Subcontract Price	Management Fee
<u>Chemtech (MBE)</u>		<u>Laboratory Services</u>		<u>\$19,360</u>	<u>\$968</u>
Item		Max. Reimbursement Rate (Specify Unit)		Est. No. of Units	Total Est. Cost
1)	Soil VOCs 8260 w/5035	\$95.00	per sample	15	\$1,425
3)	Soil 8 RCRA Metals (total)	\$120.00	per sample	15	\$1,800
4)	Soil Metals (digestion)	\$8.00	per sample	15	\$120
5)	Full TCLP - TCLP/SPLP extraction for metal	\$35.00	per sample	5	\$175
6)	Full TCLP - soil 8 RCRA Metals	\$80.00	per sample	5	\$400
7)	Soil Reactive Sulfide	\$24.00	per sample	5	\$120
8)	Soil Reactive Cyanide	\$24.00	per sample	5	\$120
9)	Soil pH	\$10.00	per sample	5	\$50
10)	Water VOCs 8260	\$85.00	per sample	50	\$4,250
11)	Water 8 RCRA Metals (total)	\$120.00	per sample	50	\$6,000
12)	Soil Reactive Sulfide	\$24.00	per sample	50	\$1,200
13)	Soil Reactive Cyanide	\$24.00	per sample	50	\$1,200
14)	Soil pH	\$10.00	per sample	50	\$500
15)	Flashpoint	\$35.00	per sample	50	\$1,750
16)	TO-15 (vap intrusion)	\$250.00	per sample	1	\$250

**All samples are Category A

Subtotal-Subcontract Price

\$19,360

Subcontract Management Fee

\$968

TOTAL

\$20,328

Schedule 2.11 (f)

Unit Price Subcontracts

Work Assignment Number D006130-13

Photo Circuits, 31 Sea Cliff Avenue, Glen Cove, NY

Name of Subcontractor		Services to be Performed		Subcontract Price	Management Fee
LAWES		<u>Drilling Services</u>		<u>\$22,524</u>	<u>\$1,126</u>
Item	Max. Reimbursement Rate (Specify Unit)	Est. No. of Units	Total Est. Cost		
1)	Mob-Demob	\$ 600.00 per visit	1	\$	600.00
2)	Geoprobe w 2 man crew	\$1,800.00 per day	4	\$	7,200.00
3)	1-in sch 40 riser (5-ft)	\$ 2.75 per 5-ft	697	\$	1,916.75
4)	1-in x 2.5 in pre-pack screen (5-ft)	\$ 24.00 per ft		\$	-
5)	1-in bottom plug	\$ 16.00 each	16	\$	256.00
6)	1-in top plug	\$ 30.00 each	16	\$	480.00
7)	2-in sch 40 10-slot screen (<100-ft)	\$ 7.00 per ft	153	\$	1,071.00
8)	4-in sch 40 10-slot screen (<100 ft)	\$ 12.00 per ft	10	\$	120.00
9)	Install 4-in filter pack	\$ 11.00 per ft	7	\$	77.00
10)	Install 4-in bentonite seal	\$ 35.00 per ft	2	\$	70.00
11)	Riser backfill for 4-in well cement-ben gr	\$ 8.00 per ft	5	\$	40.00
12)	8-in well cover	\$ 200.00 each	2	\$	400.00
13)	12-in well cover	\$ 250.00 each	3	\$	750.00
14)	Construct decon pad	\$ 350.00 each	1	\$	350.00
15)	Decon equipment	\$ 250.00 per hr	4	\$	1,000.00
16)	Steam cleaner	\$ 150.00 per day	4	\$	600.00
17)	Generator	\$ 150.00 per day	4	\$	600.00
18)	DOT drums	\$ 75.00 each	23	\$	1,725.00
19)	Support truck	\$ 250.00 per day	4	\$	1,000.00
20)	Standby time (move drums)	\$ 250.00 per hr	2	\$	500.00
21)	Laborer	\$ 700.00 per day	3	\$	2,100.00
22)	Tax (8%)	\$1,668.46 each	1	\$	1,668.46
				\$	-
Subtotal-Subcontract Price				\$	22,524.21
Subcontract Management Fee				\$	1,126.21
TOTAL				\$	23,650.42

Schedule 2.11 (f)

Unit Price Subcontracts

Work Assignment Number D006130-13

Photo Circuits

Name of Subcontractor		Services to be Performed		Subcontract Price	Management Fee
<u>Clean Harbors</u>		<u>Drum Inventory</u>		<u>\$5,124</u>	<u>\$0</u>
Item	Max. Reimbursement Rate (Specify Unit)	Est. No. of Units		Total Est. Cost	
1)	Daily rate for drum inventory (includes labor, materials, travel, and equipment)	\$1,708.00	day rate	3	\$5,124
Subtotal-Subcontract Price					<u>\$5,124</u>
Subcontract Management Fee					<u>\$0</u>
TOTAL					<u><u>\$5,124</u></u>

Schedule 2.11 (f)

Unit Price Subcontracts

Work Assignment Number D006130-13

Photo Circuits

Name of Subcontractor		Services to be Performed		Subcontract Price	Management Fee
<u>TBD</u>		<u>Waste disposal</u>		<u>\$4,815</u>	<u>\$0</u>
Item	Max. Reimbursement Rate (Specify Unit)			Est. No. of Units	Total Est. Cost
1)	Disposal cost 55 gal. drum, haz waste		225 per drum	10	\$2,250
2)	Disposal cost 55 gal. drum, non-haz waste		85 per drum	24	\$2,040
3)	Pick up fee		525 per trip	1	\$525
**Based on engineers cost estimate from previous projects involving manufacturing sites.					
Subtotal-Subcontract Price					<u>\$4,815</u>
Subcontract Management Fee					<u>\$0</u>
TOTAL					<u>\$4,815</u>

Schedule 2.11 (g) - Summary

**Monthly Cost Control Report
Summary of Fiscal Information**

Engineer HRP Engineering P.C.
 Contract No. D006130
 Project Name Photo Circuits, 31 Sea Cliff Ave, Glen Cove, NY
 Work Assignment No. 13
 Task #/Name Summary
 Complete 0%

Page 1 of 7
 Date Prepared 11/5/10
 Billing Period _____
 Invoice No. _____
 CAP Application No. (PaymentNo.): _____

<i>Expenditure Category</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>	<i>G</i>	<i>H</i>
	<i>Costs Claimed This Period</i>	<i>Paid to Date</i>	<i>Total Disallowed to Date</i>	<i>Total Costs Incurred to Date (A+B+C)</i>	<i>Estimated Costs to Completion</i>	<i>Estimated Total Work Assignment Price (A+B+E)</i>	<i>Approved Budget</i>	<i>Estimated Under/Over (G-F)</i>
1. Direct Salary Costs	\$0	\$0	\$0	\$0	\$33,323	\$33,323	\$33,323	\$0
2. Indirect Costs %	\$0	\$0	\$0	\$0	\$38,322	\$38,322	\$38,322	\$0
3. Subtotal Direct Salary Costs and Indirect Costs	\$0	\$0	\$0	\$0	\$71,645	\$71,645	\$71,645	\$0
4. Travel	\$0	\$0	\$0	\$0	\$10,146	\$10,146	\$10,146	\$0
5. Other Non-Salary Costs	\$0	\$0	\$0	\$0	\$9,682	\$9,682	\$9,682	\$0
6. Subtotal Direct Non-Salary Costs	\$0	\$0	\$0	\$0	\$19,828	\$19,828	\$19,828	\$0
7. Subcontractors	\$0	\$0	\$0	\$0	\$51,823	\$51,823	\$51,823	\$0
7a. Subcontract Mgt. Fee	\$0	\$0	\$0	\$0	\$2,094	\$2,094	\$2,094	\$0
8. Total Work Assignment Cost	\$0	\$0	\$0	\$0	\$145,391	\$145,391	\$145,391	\$0
9. Fixed Fee	\$0	\$0	\$0	\$0	\$8,311	\$8,311	\$8,311	\$0
10. Total Work Assignment Price	\$0	\$0	\$0	\$0	\$153,702	\$153,702	\$153,702	\$0

Project Manager: _____

Date: _____

Schedule 2.11 (g)

**Monthly Cost Control Report
Summary of Fiscal Information**

Engineer HRP Engineering P.C.
 Contract No. D006130
 Project Name Photo Circuits, 31 Sea Cliff Ave, Glen Cove, NY
 Work Assignment No. 13
 Task #/Name Task 1 - Scoping
 Complete 0%

Page 2 of 7
 Date Prepared 11/5/10
 Billing Period _____
 Invoice No. _____
 CAP Application No. (PaymentNo.): _____

<i>Expenditure Category</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>	<i>G</i>	<i>H</i>
	<i>Costs Claimed This Period</i>	<i>Paid to Date</i>	<i>Total Disallowed to Date</i>	<i>Total Costs Incurred to Date (A+B+C)</i>	<i>Estimated Costs to Completion</i>	<i>Estimated Total Work Assignment Price (A+B+E)</i>	<i>Approved Budget</i>	<i>Estimated Under/Over (G-F)</i>
1. Direct Salary Costs	\$0	\$0	\$0	\$0	\$7,359	\$7,359	\$7,359	\$0
2. Indirect Costs - %	\$0	\$0	\$0	\$0	\$8,462	\$8,462	\$8,462	\$0
3. Subtotal Direct Salary Costs and Indirect Costs	\$0	\$0	\$0	\$0	\$15,821	\$15,821	\$15,821	\$0
4. Travel	\$0	\$0	\$0	\$0	\$898	\$898	\$898	\$0
5. Other Non-Salary Costs	\$0	\$0	\$0	\$0	\$38	\$38	\$38	\$0
6. Subtotal Direct Non-Salary Costs	\$0	\$0	\$0	\$0	\$936	\$936	\$936	\$0
7. Subcontractors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7a. Subcontract Mgt. Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8. Total Work Assignment Cost	\$0	\$0	\$0	\$0	\$16,757	\$16,757	\$16,757	\$0
9. Fixed Fee	\$0	\$0	\$0	\$0	\$1,835	\$1,835	\$1,835	\$0
10. Total Work Assignment Price	\$0	\$0	\$0	\$0	\$18,592	\$18,592	\$18,592	\$0

Project Manager: _____

Date: _____

Schedule 2.11 (g)

**Monthly Cost Control Report
Summary of Fiscal Information**

Engineer HRP Engineering P.C.
 Contract No. D006130
 Project Name Photo Circuits, 31 Sea Cliff Ave, Glen Cove, NY
 Work Assignment No. 13
 Task #/Name Task 2 - Preliminary Design
 Complete 0%

Page 3 of 7
 Date Prepared 11/5/10
 Billing Period _____
 Invoice No. _____
 CAP Application No. (PaymentNo.): _____

<i>Expenditure Category</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>	<i>G</i>	<i>H</i>
	<i>Costs Claimed This Period</i>	<i>Paid to Date</i>	<i>Total Disallowed to Date</i>	<i>Total Costs Incurred to Date (A+B+C)</i>	<i>Estimated Costs to Completion</i>	<i>Estimated Total Work Assignment Price (A+B+E)</i>	<i>Approved Budget</i>	<i>Estimated Under/Over (G-F)</i>
1. Direct Salary Costs	\$0	\$0	\$0	\$0	\$5,700	\$5,700	\$5,700	\$0
2. Indirect Costs %	\$0	\$0	\$0	\$0	\$6,555	\$6,555	\$6,555	\$0
3. Subtotal Direct Salary Costs and Indirect Costs	\$0	\$0	\$0	\$0	\$12,256	\$12,256	\$12,256	\$0
4. Travel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5. Other Non-Salary Costs	\$0	\$0	\$0	\$0	\$204	\$204	\$204	\$0
6. Subtotal Direct Non-Salary Costs	\$0	\$0	\$0	\$0	\$204	\$204	\$204	\$0
7. Subcontractors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7a. Subcontract Mgt. Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8. Total Work Assignment Cost	\$0	\$0	\$0	\$0	\$12,460	\$12,460	\$12,460	\$0
9. Fixed Fee	\$0	\$0	\$0	\$0	\$1,422	\$1,422	\$1,422	\$0
10. Total Work Assignment Price	\$0	\$0	\$0	\$0	\$13,881	\$13,881	\$13,881	\$0

Project Manager: _____

Date: _____

Schedule 2.11 (g)

**Monthly Cost Control Report
Summary of Fiscal Information**

Engineer HRP Engineering P.C.
 Contract No. D006130
 Project Name Photo Circuits, 31 Sea Cliff Ave, Glen Cove, NY
 Work Assignment No. 13
 Task #/Name Task 3 - Final Design
 Complete 0%

Page 4 of 7
 Date Prepared 11/5/10
 Billing Period _____
 Invoice No. _____
 CAP Application No. (PaymentNo.): _____

<i>Expenditure Category</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>	<i>G</i>	<i>H</i>
	<i>Costs Claimed This Period</i>	<i>Paid to Date</i>	<i>Total Disallowed to Date</i>	<i>Total Costs Incurred to Date (A+B+C)</i>	<i>Estimated Costs to Completion</i>	<i>Estimated Total Work Assignment Price (A+B+E)</i>	<i>Approved Budget</i>	<i>Estimated Under/Over (G-F)</i>
1. Direct Salary Costs	\$0	\$0	\$0	\$0	\$2,482	\$2,482	\$2,482	\$0
2. Indirect Costs %	\$0	\$0	\$0	\$0	\$2,854	\$2,854	\$2,854	\$0
3. Subtotal Direct Salary Costs and Indirect Costs	\$0	\$0	\$0	\$0	\$5,335	\$5,335	\$5,335	\$0
4. Travel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5. Other Non-Salary Costs	\$0	\$0	\$0	\$0	\$188	\$188	\$188	\$0
6. Subtotal Direct Non-Salary Costs	\$0	\$0	\$0	\$0	\$188	\$188	\$188	\$0
7. Subcontractors	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7a. Subcontract Mgt. Fee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8. Total Work Assignment Cost	\$0	\$0	\$0	\$0	\$5,524	\$5,524	\$5,524	\$0
9. Fixed Fee	\$0	\$0	\$0	\$0	\$619	\$619	\$619	\$0
10. Total Work Assignment Price	\$0	\$0	\$0	\$0	\$6,143	\$6,143	\$6,143	\$0

Project Manager: _____

Date: _____

Schedule 2.11 (g)

**Monthly Cost Control Report
Summary of Fiscal Information**

Engineer HRP Engineering P.C.
 Contract No. D006130
 Project Name Photo Circuits, 31 Sea Cliff Ave, Glen Cove, NY
 Work Assignment No. 13
 Task #/Name Task 4 -Additional Sampling
 Complete 0%

Page 5 of 7
 Date Prepared 11/5/10
 Billing Period _____
 Invoice No. _____
 CAP Application No. (PaymentNo.): _____

<i>Expenditure Category</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>	<i>G</i>	<i>H</i>
	<i>Costs Claimed This Period</i>	<i>Paid to Date</i>	<i>Total Disallowed to Date</i>	<i>Total Costs Incurred to Date (A+B+C)</i>	<i>Estimated Costs to Completion</i>	<i>Estimated Total Work Assignment Price (A+B+E)</i>	<i>Approved Budget</i>	<i>Estimated Under/Over (G-F)</i>
1. Direct Salary Costs	\$0	\$0	\$0	\$0	\$17,783	\$17,783	\$17,783	\$0
2. Indirect Costs %	\$0	\$0	\$0	\$0	\$20,451	\$20,451	\$20,451	\$0
3. Subtotal Direct Salary Costs and Indirect Costs	\$0	\$0	\$0	\$0	\$38,234	\$38,234	\$38,234	\$0
4. Travel	\$0	\$0	\$0	\$0	\$9,248	\$9,248	\$9,248	\$0
5. Other Non-Salary Costs	\$0	\$0	\$0	\$0	\$9,252	\$9,252	\$9,252	\$0
6. Subtotal Direct Non-Salary Costs	\$0	\$0	\$0	\$0	\$18,500	\$18,500	\$18,500	\$0
7. Subcontractors	\$0	\$0	\$0	\$0	\$51,823	\$51,823	\$51,823	\$0
7a. Subcontract Mgt. Fee	\$0	\$0	\$0	\$0	\$2,094	\$2,094	\$2,094	\$0
8. Total Work Assignment Cost	\$0	\$0	\$0	\$0	\$110,651	\$110,651	\$110,651	\$0
9. Fixed Fee	\$0	\$0	\$0	\$0	\$4,435	\$4,435	\$4,435	\$0
10. Total Work Assignment Price	\$0	\$0	\$0	\$0	\$115,086	\$115,086	\$115,086	\$0

Project Manager: _____

Date: _____

Schedule 2.11 (g) - Supplemental

Cost Control Report for Subcontracts

Engineer HRP Engineering P.C.
 Contract No. D006130
 Project Name Photo Circuits, 31 Sea Cliff Ave, Glen Cove, NY
 Work Assignment No. 13

Page 6 of 7
 Date Prepared 11/5/10
 Billing Period _____
 Invoice No. _____
 CAP Application No. (PaymentNo.): _____

<i>Subcontract Name</i>	<i>A</i> <i>Subcontract Costs Claimed this Application Inc. Resubmittals</i>	<i>B</i> <i>Subcontract Costs Approved for Payment on Previous Applications</i>	<i>C</i> <i>Total Subcontract Costs to Date (A plus B)</i>	<i>D</i> <i>Subcontract Approved Budget</i>	<i>E</i> <i>Management Fee Budget</i>	<i>F</i> <i>Management Fee Paid</i>	<i>G</i> <i>Total Costs to Date (C plus F)</i>
1. Chemtech (MBE)	\$0	\$0	\$0	\$19,360	\$968	\$0	\$0
2 TIER	\$0	\$0	\$0	\$5,124	\$0	\$0	\$0
3 Aztech (WBE)	\$0	\$0	\$0	\$22,524	\$1,126	\$0	\$0
4 TBD	\$0	\$0	\$0	\$4,815	\$0	\$0	\$0
TOTALS	\$0	\$0	\$0	\$51,823	\$2,094	\$0	\$0

Project Manager: _____

Date: _____

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/Contract # HRP Engineering P.C. /D006130
 Project Name Photo Circuits, 31 Sea Cliff Ave, Glen Cove, NY
 Work Assignment No. 13

Page 7 of 7
 Date Prepared 11/5/10
 Billing Period _____
 Invoice No. _____
 CAP Application No. (PaymentNo.): _____

<i>NSPE Labor Classification</i>	<i>IX Exp/Est</i>	<i>VIII Exp/Est</i>	<i>VII Exp/Est</i>	<i>VI Exp/Est</i>	<i>V Exp/Est</i>	<i>IV Exp/Est</i>	<i>III Exp/Est</i>	<i>II Exp/Est</i>	<i>I Exp/Est</i>	<i>Admin.</i>	<i>Total No. of Direct Labor Hrs. Exp/Est</i>
Task 1	0 / 1	0 / 91	0 / 0	0 / 0	0 / 84	0 / 0	0 / 0	0 / 44	0 / 0	0 / 0	0 / 220
Task 2	0 / 0	0 / 35	0 / 0	0 / 0	0 / 110	0 / 0	0 / 0	0 / 35	0 / 14	0 / 0	0 / 194
Task 3	0 / 0	0 / 12	0 / 0	0 / 0	0 / 40	0 / 0	0 / 0	0 / 24	0 / 16	0 / 0	0 / 92
Task 4	0 / 1	0 / 76	0 / 0	0 / 0	0 / 115	0 / 20	0 / 98	0 / 202	0 / 212	0 / 0	0 / 724
Total Hours	0 / 2	0 / 214	0 / 0	0 / 0	0 / 349	0 / 20	0 / 98	0 / 305	0 / 242	0 / 0	0 / 1230

* Expended/Estimated

Project Manager: _____

Date: _____

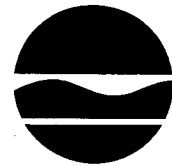
New York State Department of Environmental Conservation

Division of Environmental Remediation, 12th Floor

625 Broadway, Albany, New York 12233-7012

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

Website: www.dec.ny.gov



Alexander B. Grannis
Commissioner

September 9, 2010

Mr. Jeffery Sotek, P.E.
HRP Associates, Inc
1 Fairchild Square
Clifton Park, NY 12065

RE: WA Issuance/Notice to Proceed

Dear Mr. Sotek:

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 template and/or costing tool report for the performance of a Remedial Design to implement the remedy described in the approved Record of Decision.

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

<i>Contract/WA No.:</i>	<u>D006130-13</u>
<i>Site/Spill No./PIN:</i>	<u>130009</u>
<i>Site/Spill Name:</i>	<u>Photo Circuits</u>
<i>Program Element:</i>	<u>Remedial Design</u>
<i>Est. Total WA Budget:</i>	<u>\$131,400</u>
 <i>Project Manager:</i>	 <u>Joseph Jones</u>
<i>PM Phone No.:</i>	<u>(518) 402-9621</u>
<i>PM E-mail:</i>	<u>jgjones@gw.dec.state.ny.us</u>
 <i>Contract Manager:</i>	 <u>Patricia Kappeller</u>
<i>CM Phone No.:</i>	<u>(518) 402-9572</u>
<i>CM E-mail:</i>	<u>plkappel@gw.dec.state.ny.us</u>
 <i>M/WBE Contact:</i>	 <u>Juan Abadia</u>
<i>M/WBE Phone No.:</i>	<u>(518) 402-9311</u>
<i>M/WBE E-mail:</i>	<u>mbe@gw.dec.state.ny.us</u>

Please review your firm's relationship with the Potential Responsible Parties (PRPs) listed on the attachment to the enclosed 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 and M/WBE Utilization Plan 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. If multiple sites are included in the WA, Schedule 2.11s must be provided for each site and the total WA. 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 reflect the scope of work outlined in the Work Plan Template and/or Costing Tool Report. A cover letter accompanying the submittal of the Schedule 2.11s should include a brief justification of the budget supported by the Schedule 2.11s, the anticipated completion date(s) for the work, and the anticipated billings by State fiscal year. Additional justification should be included if work is proposed for multiple years. Adobe® PDFs are to be submitted in an electronic format that complies with DER's Electronic Document Standards.

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 to date of termination.

Sincerely,



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

Attachments

cc: J. Jones
P. Kappeller
D. Desnoyers
S. Ervolina
D. Weigel
C. Vasudevan
G. Bobersky
W. Parish
D. Finlayson
T. Wolosen
M/WBE Unit

bec: M. Cruden
L. Lewis

**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 attachment 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 accepting the work assignment.
- b) ☐ The Contractor believes the conflicts would prohibit the Contractor from accepting 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.

- Kollmorgen Corporation, an active domestic business corporation, owned, and its Photocircuits Division operated, the Site from 1971 to 1986.
- Photocircuits Corporation, an inactive domestic business corporation, operated the Site from approximately 1996 until October 14, 2005, when it became the PC Liquidation Corp. and filed a voluntary petition for relief under Chapter 11 of the Bankruptcy Code.
- Photocircuits of New York (NYS fictitious name for Photocircuits Corporation, a Nevada business corporation), operated the Site from approximately March 2006 until approximately early 2008, and is responsible for the abandonment/disposal of hazardous substances and hazardous waste at the Site.
- GPC, LLC, a Nevada limited liability company, is the current owner of the Site.
- Glen Cove Properties, LLC, a Nevada limited liability company, is the managing member of GCP, LLC.
- American Pacific Financial Corporation, a California corporation, entered into a Purchase and Sale Agreement (the "Agreement") with PC Liquidation Corp. to buy substantially all of its business, including its operating assets and the land underlying the Photocircuits Site. The Agreement, as approved by order of the Bankruptcy Court, required AMPFC to assume the environmental liability associated with the Site.
- Larry R. Polhill, an individual, is a principal of American Pacific Financial Corporation and the managing member of Glen Cove Properties, LLC which is the managing member of Glen Cove Properties, LLC which is the managing member of GPC, LLC. Therefore, Mr. Polhill has control of the acts of GPC, LLC.

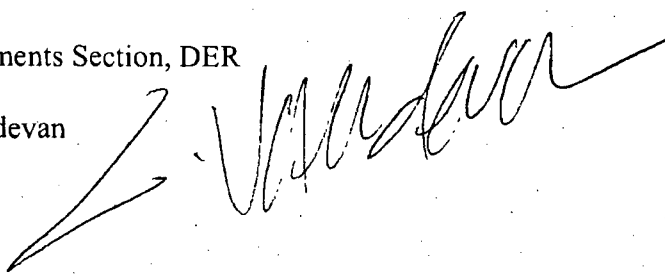
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, 11th Floor
625 Broadway, Albany, New York 12233-7015
Phone: (518) 402-9621 • Fax: (518) 402-9627
Website: www.dec.ny.gov



Alexander B. Grannis
Commissioner

MEMORANDUM

TO: Michael Cruden, Chief, Contracts and Payments Section, DER
FROM: Guy T. Bobersky through Chittibabu Vasudevan
SUBJECT: Work Assignment Issuance Request
DATE: August 4, 2010



Site/Spill Name and Number, Location: Photocircuits Corporation, Site No. 130009

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

Conflict of Interest: See attached list.

Work Element: Remedial Design

Duration: One year

Estimated Budget: \$131,400

Funding Source: State Superfund

Brief Description of Scope of Work: This work assignment is two-fold: 1) to control, minimize or eliminate, to the extent necessary to protect human health and the environment, escape of hazardous waste, hazardous constituents, leachate, contaminated run-off, or hazardous waste decomposition products from the abandoned facility and 2) to develop the remedial design necessary to implement the remedy described in the March 2008 Record of Decision (ROD) for OU1 of the Photocircuits Corporation, Site No. 130009. See the attached Remedial Design Work Plan Template.

Attachments: a/s

ec: Chittibabu Vasudevan
Joseph Jones
Walter Parish
Dale A. Desnoyers
Salvatore Ervolina
Donna Weigel

8/3/2010



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



Site Code	130009	Site Name	Photocircuits Corporation	
Classification	02	Address	31 Sea Cliff Avenue	
Region	1	City	Glen Cove	Zip 11542
Latitude	40.8514	Town	Glen Cove (c)	
Longitude	-73.6221	County	Nassau	Project Manager Joseph Jones
Site Type	Structure			Estimated Size 9,9700

Site Description

The Photocircuits site is located in Glen Cove, Nassau County, NY. The site is bounded by Sea Cliff Avenue to the north, the Pass and Seymour Site to the west, and an arterial highway to the east. The Carney Street well field is located north (downgradient) of the site. The Pall site is located north across Sea Cliff Avenue from the Photocircuits site. Most of the site is paved with several industrial buildings. The property was for manufacturing printed circuit boards. Past investigations of this area have documented chlorinated organics exceeding standards in the groundwater underlying the site. Site investigations completed include a Preliminary Site Assessment (PSA) that was conducted by the Nassau County Department of Public Works (NCDPW) through a Municipal Delegation Agreement with the NYSDEC (September 1992 Source Area Investigation for the Sea Cliff Industrial Area) and a Remedial Investigation conducted from January 1997 through September 1998. A Remedial Investigation/Interim Remedial Measure report was completed in September in 1998. In April 2000, a soil vapor extraction (SVE) system IRM was installed in the drum storage/tank farm area. In addition, a pilot study to use bioremediation to remediate groundwater contamination in the same area was conducted beginning August 2000. As part of these projects, additional groundwater monitoring points were installed in the drum storage/tank farm area. In January 2002, a hydraulic restraint system was installed along Sea Cliff Avenue to prevent downgradient migration of VOCs. Photocircuits submitted an FS for OU-1 (soils and groundwater less than 60 ft bgs) in December 2006. The ROD was signed March 31, 2008. Based on this ROD, an RDRA Superfund Work assignment was prepared in early August of 2010. During 2009 and 2010, a SSF WA was carried out to investigate deep groundwater contamination at and downgradient of the Photocircuits and Pall sites. As of August 4, 2010, this report is still in draft.

Contaminants of Concern (Including Materials Disposed)	Quantity Disposed	
1,1,1 TCA	UNKNOWN	Gallons
TETRACHLOROETHYLENE (PCE)	UNKNOWN	Gallons

Analytical Data Available for : Groundwater, Soil

Applicable Standards Exceeded for: Groundwater

Site Environmental Assessment

The primary contaminants on the site are VOCs including PCE and TCA. Soil on the premises has been contaminated with VOCs, and this contamination has spread to the underlying sole-source aquifer. Exceedances of standards, criteria, and guidance indicate that that PCE, TCA and several breakdown products exceed standards in groundwater. The site presents a significant environmental threat due to the levels of VOC contamination in groundwater.

Site Health Assessment

Human exposure to contaminated soil and groundwater is not expected because fencing limits access and public water serves the area. The potential for exposure from soil vapor intrusion into structures on or near the site will be evaluated and actions taken as appropriate.

Remedy Description and Cost

Remedy Description for Operable Unit 01

Based on the results of the Remedial Investigation and Feasibility Study (RI/FS) for the Photocircuits Corporation site and the criteria identified for evaluation of alternatives, the Department has selected bioremediation with additional injection points coupled with a downgradient air sparging curtain. The components of the remedy are as follows:

1. A remedial design program will be implemented to provide the details necessary for the construction, operation, maintenance, and monitoring of the remedial program, including the installation of at least one air sparging curtain well for the purpose of determining the radius of influence. Based upon the data collected from that well, the remainder of the air sparging curtain will be installed, and operated until the remedial goals are attained, or the Department determines that it is no longer effective to operate.
2. One substrate injection event, utilizing approximately 20 injection points covering the drum storage/tank farm area and the adjacent area immediately to the south will be conducted. Additional injection events will be carried out as required over a period of up to 5 years.
3. Continued groundwater monitoring at locations established during the bioremediation pilot study, at a minimum of two additional points located south of the pilot study area, and at a minimum of two downgradient points. Groundwater will be monitored for VOCs, dissolved oxygen, organic content and methane at a minimum. Additional groundwater monitoring well installations or contingent soil vapor extraction may be required based upon results.
4. Imposition of an institutional control in the form of an environmental easement that will require (a) limiting the use and development of the property to commercial use, which will also permit industrial use; (b) compliance with the approved site management plan; (c) restricting the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH; and (d) the property owner to complete and submit to the Department a periodic certification of institutional and engineering controls.
5. Development of a site management plan which will include the following institutional and engineering controls: (a) continued evaluation of the potential for vapor intrusion for any buildings developed or existing buildings re-occupied on the site, including provision for mitigation of any impacts identified both on-site and off-site; (b) monitoring of groundwater; (c) identification of any use restrictions on the site; and (d) provisions for the continued proper operation and maintenance of the components of the remedy.
6. The property owner will provide a periodic certification of institutional and engineering controls, prepared and submitted by a professional engineer or such other expert acceptable to the Department, until the Department notifies the property owner in writing that this certification is no longer needed. This submittal will: (a) contain certification that the institutional controls and engineering controls put in place are still in place and are either unchanged from the previous certification or are compliant with Department-approved modifications; (b) allow the Department access to the site; and (c) state that nothing has occurred that will impair the ability of the control to protect public health or the environment, or constitute a violation or failure to comply with the site management plan unless otherwise approved by the Department.

8/3/2010

7. The operation of the components of the remedy will continue until the remedial objectives have been achieved, or until the Department determines that continued operation is technically impracticable or not feasible.

Total Cost \$547,000

Capital Cost \$265,000

OM&M Cost \$18,400

Issues / Recommendations

There is a class 2 site directly downgradient known as the Pall Corporation, Site No. 130053B. Pall Corporation contends that contaminated groundwater from the Photocircuits site reaches shallow groundwater beneath the Pall site, either through the hydraulic restraint system, or by-passing beneath it and rising due to a vertical upward hydraulic gradient that they claim exists at the Pall Property. Another potential issue is the 2006 bankruptcy of the Photocircuits Corporation. Counsel continues to negotiate an AOC for work at the Photocircuits site with the successor company. The Carney Street well field is located downgradient of both the Photocircuits and Pall sites is closed due to VOC contamination. The City of Glen Cove has repeatedly expressed interest in reopening this field.

Site/Spill No./
PIN: 130009

Site/Spill Name: Photocircuits

Work Plan Template **Work Element: Remedial Design**

Date: 07/30/2010

The scope of work will generally encompass activities contained in the Remedial Design Work Element of Schedule 1 and other work elements as appropriate in the Standby Consultant Engineering Contract. Remedial Design should be conducted in accordance with the "Draft DER-10, Technical Guidance for Site Investigation and Remediation dated 12/25/02" or the latest versions of this document when available. Quality Assurance/Quality Control (QA/QC) must conform to the most recent version of the NYSDEC Analytical Services Protocol (ASP)

Task 1: Scoping		
Notes: 1. Unless otherwise approved in writing by the Department's PM, all work shall conform to standby contractor's pre-approved QAPP, HASP and TAP.		
File Review	Max Hours	40
1 Trip to Site	Max Hours	120
1 Trip to Albany for Scoping Mtg (may be combined with site visit at discretion of Department's PM)	Max Hours	20
Develop Schedule 2.11s	Max Hours	20
Progress Schedule Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Max Hours	20
Executive Summary Required for Repository? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (if yes, discuss with PM)	Max Hours	
		Total Task 1 Max Hours 220
Notes:	<p>This work assignment is two-fold: 1) to control, minimize or eliminate, to the extent necessary to protect human health and the environment, escape of hazardous waste, hazardous constituents, leachate, contaminated run-off, or hazardous waste decomposition products from the abandoned facility and 2) to develop the remedial design necessary to implement the remedy described in the March 2008 Record of Decision (ROD) for OU1 of the Photocircuits site, Site No. 130009. Both the March 2008 Record of Decision for OU1 of the Photocircuits Corporation, Site No. 130009, and a report summarizing a limited container inventory and cost estimate for waste characterization, transportation and disposal and related work at this site and the adjoining Pass and Seymour, Site No. 130053a are attached for information.</p> <p>In the first instance, the objective is to ensure that hazardous wastes remaining on-site at the abandoned facility either have not been released or are managed to prevent a release that would impair the remedy described in the March 2008, Record of Decision for OU1. It is not the intent to decontaminate or remove contaminated equipment, structures, etc, with this effort, but merely to remove remaining hazardous waste from the abandoned facility. The consultant will, to control, minimize or eliminate the escape of hazardous waste, hazardous constituents, leachate, contaminated run-off, or hazardous waste decomposition products from the abandoned facility, which may impair satisfactory implementation of the remedy described in the March 2008 Record of Decision for OU1 of the Photocircuits Corporation.</p>	

Task 2: Plans and Specifications														
Component 1: Preliminary Design (30%)					Notes: Because of the extensive field investigations necessary for this work assignment, the 30% design report will be delivered in two sections: The design for the ROD remedy and the design for corrective actions which will not be undertaken until after completion of the field work									
Provide minimum 3 copies of preliminary design														
Property Survey	<input checked="" type="checkbox"/>	Verify Existing Site Conditions	<input checked="" type="checkbox"/>	Initial Cost Estimate						<input checked="" type="checkbox"/>				
30% Design Report	<input checked="" type="checkbox"/>	Preliminary Drawings	<input checked="" type="checkbox"/>	Preliminary Specifications						<input checked="" type="checkbox"/>				
Component 2: Intermediate Design (60%)					Notes: Also deliverable in two sections as above									
Provide minimum 3 copies of intermediate design														
Draft Design Calculations		<input checked="" type="checkbox"/>	60% Drawings							<input checked="" type="checkbox"/>				
Draft Limited Site Data Document		<input checked="" type="checkbox"/>	60% Specifications							<input checked="" type="checkbox"/>				
Standard Construction Boilerplate		<input checked="" type="checkbox"/>	60% Design Report							<input checked="" type="checkbox"/>				
Supporting Data for SMP		<input checked="" type="checkbox"/>	Access and Permit Issues							<input checked="" type="checkbox"/>				
Estimate Bid Quantities and Cost Estimate		<input checked="" type="checkbox"/>	Draft Measurement for Payment							<input checked="" type="checkbox"/>				
Cap/Liner	<input type="checkbox"/>	Excavation	<input checked="" type="checkbox"/>	Backfill						<input type="checkbox"/>	Gas Vents	<input type="checkbox"/>	Topsoil	<input checked="" type="checkbox"/>
Seed & Mulch	<input type="checkbox"/>	Rip Rap	<input type="checkbox"/>	Gabions						<input type="checkbox"/>	Excav Support	<input checked="" type="checkbox"/>	Asbestos	<input checked="" type="checkbox"/>
Truck Scale	<input type="checkbox"/>	Dewatering	<input type="checkbox"/>	Stream Stabilization						<input type="checkbox"/>	Drums	<input checked="" type="checkbox"/>	Trenching	<input checked="" type="checkbox"/>
Off Site T&D	<input type="checkbox"/>	Wells	<input checked="" type="checkbox"/>	EC & SWM	<input type="checkbox"/>	Temp Facilities and Controls		<input type="checkbox"/>	Sediment	<input checked="" type="checkbox"/>				
Demolition	<input type="checkbox"/>													
Other (Specify)														

Component 3: Final Design				Notes	Separate design documents shall be provided for the remedy installation and waste removal portions of the RD in order to all partial bids from separate contractors.		
Provide 5 copies for final review and 75 copies for bidding after approval							
Final Contract Documents	<input checked="" type="checkbox"/>	Final Design Report	<input checked="" type="checkbox"/>			Final Engineer's Estimate	<input checked="" type="checkbox"/>
P.E. Seal	<input checked="" type="checkbox"/>	Final Limited Site Data Report				<input checked="" type="checkbox"/>	
Final List of Required Permits/Access Agreements						<input checked="" type="checkbox"/>	
All Data needed to develop SMP	<input checked="" type="checkbox"/>	Letter Summarizing Response to Comments				<input checked="" type="checkbox"/>	
Component 4: Project Cost Estimate				Notes	Separate cost estimates should be provided for the remedy installation and waste removal portions of the RD.		
Pre-Bid Estimate accounting for all addenda	<input checked="" type="checkbox"/>	Quantity Take Off Sheets				<input checked="" type="checkbox"/>	
Basis for Estimated Costs for Lump Sum and Unit Price Items						<input checked="" type="checkbox"/>	
Additional Requirements:				Total Task 2 Max Hours		200	
Task 3: Additional Studies				Estimated Subcontract Costs:			
Additional Subsurface Investigation and Environmental Sampling				Drilling	\$	12,000	
Borings and samples at locations approved by NYSDEC	# of Borings Installed w/ 1 mobilization		Lab	\$	16,400		
Auger size (inches)	4	Depth of boring (feet)	Geophysical	\$			
Continuous split spoon samples from	0	feet to 100 feet	Survey	\$	20,000		
Screened across the water table	Feet at deepest point		Test Trench/Pit	\$			
Depth of screen (in feet)	90	Screens made of 4 Inch diameter Sch	Notes	The drilling is for the air sparging test well specified in the ROD. A sitewide survey will be necessary to define the locations of contaminants for removal.			
Bedrock Wells	no	Coring Size					
Steel Casing(s) to protect down hole migration	<input checked="" type="checkbox"/>	Finished with				Flush-mount protective casing	<input checked="" type="checkbox"/>
Other (Specify)	A complete inventory of wastes on-site will be taken as described in the notes to Task 1.						

Influent		Effluent		Sludge		Media (carbon, biological, filter sand)	
Full TCL List		Full TCL List		Full TCL List		Full TCL List	
Mercury or Total Cyanide		Mercury or Total Cyanide		Mercury or Total Cyanide		Mercury or Total Cyanide	
Metals		Metals		Metals	10	Metals	
Semi-volatiles		Semi-volatiles		Semi-volatiles		Semi-volatiles	
Volatiles		Volatiles		Volatiles	20	Volatiles	20
Petroleum		Petroleum		Petroleum		Petroleum	
PCBs/Pesticides		PCBs/Pesticides		PCBs/Pesticides		PCBs/Pesticides	
Cat B Deliverables		Cat B Deliverables		Cat B Deliverables		Cat B Deliverables	
Soil		Sediment		Ground/Surface Water		Air	TO-15
Full TCL List		Full TCL List		Full TCL List		Full TCL List	
Mercury or Total Cyanide		Mercury or Total Cyanide		Mercury or Total Cyanide		Mercury or Total Cyanide	
Metals	5	TMetals	5	Metals		Metals	
Semi-volatiles		Semi-volatiles		Semi-volatiles		Semi-volatiles	
Volatiles	20	Volatiles	20	Volatiles	20	Volatiles	
Petroleum		Petroleum		Petroleum		Petroleum	
PCBs/Pesticides		PCBs/Pesticides		PCBs/Pesticides		PCBs/Pesticides	
Cat B Deliverables		Cat B Deliverables		Cat B Deliverables		Cat B Deliverables	
Notes	Additional groundwater sampling may be taken in support of the Remedial Design as specified in the ROD. Actual distribution and numbers and types of samples to be determined during the field phase, as necessary. This table provides only an initial estimate.						

Evaluation of Additional Data		Max Hours	120
Reporting: Pre-Design Investigation Report		Max Hours	120
Notes	Total task 3 hours allows for 400 hours for on-site data aquisition , including sampling.	Total Task 3 Max Hours	640

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

Level of Effort (direct labor hours):

Task 1:	220
Task 2:	200
Task 3:	640
Total	1060

Estimated Subcontracting Costs	\$ 48,400
Estimated Direct Non-Salary Costs	\$ 3,000
Estimated Project Cost	\$ 131,400

Calendar Days:

0
90
120
240
360

Project Milestones:

Issuance of Work Assignment
Acceptance of WP and 211s
Field work begins
30% design report due
project completion