nationalgrid

Peter C. Czekanski Manager of Pricing Rhode Island

October 9, 2008

VIA HAND DELIVERY AND ELECTRONIC MAIL

Luly E. Massaro, Division Clerk Rhode Island Public Utilities 89 Jefferson Boulevard Warwick, RI 02888

RE: Docket 3977 - Distribution Adjustment Charge Responses to Division Data Request Set 1

Dear Ms. Massaro:

Enclosed please find ten (10) copies of National Grid's responses to the first set of the Division Data Requests issued on September 18, 2008. This set includes responses to Division Data Requests 1, 3, 7 through 17.

Thank you for your attention to this matter. If you have any questions, please feel free to contact me at (401) 784-7501.

Very truly yours,

Peter C. Czekanski

Enclosures

cc: Docket 3977 Service List

<u>DIV 1-1</u>

Request:

Please provide all electronic spreadsheet files used in the development of each of the attachments and schedules provided with witness Czekanski's August 1, 2008 and September 2, 2008 testimonies. Please provide the requested spreadsheet files with all cell formulas intact.

Response:

Copies of the electronic spreadsheet files used in the development of each of the attachments and schedules provided with witness Czekanski's testimonies were sent via e-mail on October 9, 2008.

<u>DIV 1-3</u>

Request:

Re: Attachment PCC-1 dated September 2, 2008, please provide a version of the referenced attachment which reflects acceptance of all of the Company's recommended DAC changes in the Company's base rate proceeding (Docket No. 3943) that would become effective with a final order in Docket No. 3943.

Response:

Acceptance of the Company's recommended DAC changes in the base rate proceeding (Docket No. 3943) would not change the proposed DAC until November 2009. The new components proposed in Docket No. 3943 (P&PBOP, Revenue Decoupling and Capital Expenditure Tracker) are reconciling components and would be set at zero until the first annual DAC filing after the Commission's approval of the proposed tariff. Attached is an illustrative example of what the Distribution Adjustment Charge Summary would look like.

Illustrative Example of Distribution Adjustment Charge Summary Layout (\$ Per Therm)

Line No.	Description	reference	Residential Non-Heating	Low Income Residential Non-Heating	Residential Heating	Low Income Residential Heating	Small C&I	Medium C&I	Large LLF	Large HLF	Extra Large LLF	Extra Large HLF	Line No.
1	System Pressure	Updated Attach. PCC2	\$0.0051	\$0.0051	\$0.0051	\$0.0051	\$0.0051	\$0.0051	\$0.0051	\$0.0051	\$0.0051	\$0.0051	1
2	Advanced Gas Technology Program (AGT)	PCC Testimony	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	2
3	Low Income Assistance Programs (LIAP)	PCC Testimony	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	3
4	Environmental Response Cost (ERC)	Attach. PCC-4	(\$0.0020)	(\$0.0020)	(\$0.0020)	(\$0.0020)	(\$0.0020)	(\$0.0020)	(\$0.0020)	(\$0.0020)	(\$0.0020)	(\$0.0020)	4
5	On-System Margin Credits (MC)	Updated Attach. PCC-5	(\$0.0076)	(\$0.0076)	(\$0.0076)	(\$0.0076)	(\$0.0076)	(\$0.0076)	(\$0.0076)	(\$0.0076)	(\$0.0076)	(\$0.0076)	5
6	Weather Normalization (WN)	Attach. PCC-6	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	6
7	Earnings Sharing Mechanism (ESM)	PCC Supplemental Testimony	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	7
8	P&PBOP Adjustment	Attach. PCC-X	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	8
9	Revenue Decoupling Mechanism (RDM)	Attach. PCC-X	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	9
10	Capital Expenditure Tracker (CapEx)	Attach. PCC-X	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	10
11	Reconciliation Factor (R)	Updated Attach. PCC-7	\$0.0010	\$0.0010	\$0.0010	\$0.0010	\$0.0010	\$0.0010	\$0.0010	\$0.0010	\$0.0010	\$0.0010	11
12	Subtotal	sum ([1]:[11])	(\$0.0035)	(\$0.0035)	(\$0.0035)	(\$0.0035)	(\$0.0035)	(\$0.0035)	(\$0.0035)	(\$0.0035)	(\$0.0035)	(\$0.0035)	12
13	Uncollectible Percentage	Attach. PCC-X	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	13
14	DAC adjusted for uncollectible (per therm)	[12] / (1 - [13])	(\$0.0036)	(\$0.0036)	(\$0.0036)	(\$0.0036)	(\$0.0036)	(\$0.0036)	(\$0.0036)	(\$0.0036)	(\$0.0036)	(\$0.0036)	14

<u>DIV 1-7</u>

Request:

Re: Attachment PCC-3, please:

- a. Provide a detailed description of the project(s) for which Rebate Disbursements were made in February 2008.
- b. Provide a detailed description of planned or anticipated projects that the Company's anticipates funding as part of its AGT program for the period November 1, 2008 through October 31, 2009.

Response:

- a. The AGT rebate disbursement made in February 2008 was for the installation of a 100 ton high efficiency natural gas fired double effect absorption chiller for the production of chilled water.
- b. There are currently three major AGT projects in various stages of discussions with customers. All three are cogen applications with the largest being 10 megawatts and the other two being 6 megawatts and 1 megawatt. Two of the projects are in conjunction with universities and the other with the State of Rhode Island. In one case, the customer has contracted for an engineering assessment of the project. If either of the two larger projects are implemented, we would expect to be providing an AGT rebate of \$500,000 to \$600,000. Given the size and complexity of these projects, implementation is not expected to occur before October 31, 2009. However, as provided for in the AGT program, a commitment letter could very well be issued prior to that date.

<u>DIV 1-8</u>

Request:

Re: Schedule PCC-4, please:

- a. Provide detailed documentation of all invoices received and amounts paid for work performed relating to each of the environmental projects referenced on page 3 of that attachment during FY 2008.
- b. Provide detailed documentation of all proceeds from insurance settlements that were received during FY 2008 or included in adjustments for FY 2007.
- c. Provide detailed documentation of all adjustments for FY 2007 by project that are reflected on page 3 of Attachment PCC-4.

Response:

- a. Attached please find a listing of all invoices received and amounts paid for work performed relating to each of the environmental projects referenced on page 3 of that attachment during FY 2008.
- b. Attached please find detailed documentation of all proceeds from insurance settlements that were received during FY 2008 or included in adjustments for FY 2007.
- c. Attached please find a listing of all invoices and amounts associated with the adjustments for FY 2007 by project that are reflected on page 3 of Attachment PCC-4.

AP Invoice Report By Site

SITE	Vendor Name	Period	PO ID	Invoice	Ехр Туре	Amount
Aercury F	Regulators	an a	9930	002369		
-	CONECO ENGIN	EERS & SCIE	NTISTS INC			
		1	0000001964	116357	100	\$1,603.03
		1	0000001964	116356	100	\$1,036.81
		2	0000001964	116656	100	\$290.24
		4	0000001964	114695	100	\$2,461.44
		4	0000001964	114474	100	\$2,934.73
		4	0000001964	114470	100	\$737.89
		9	0000001964	115551	100	\$7,914.09
		11	0000001964	116066	100	\$1,290.05
		12	0000001964	116289	100	\$3,059.18
		12	0000001964	116272	100	\$2,428.34
	Summary fo	r 'Vendor Name' =	CONECO ENGINEI	ERS & SCIENTISTS	INC (10 detail records)	
	Sum					\$23,755.80
	Summary fo	or 'Expense Type'	= 100 (10 detail reco	ords)		
	Sum					\$23,755.80
	CLEAN HARBOR	S ENVIRONM	ENTAL SERVIC	ES INC		
		1	0000001632	RI0873809	110	\$28,901.01
		1	0000001632	RI0862921	110	\$374.49
		1	0000001632	RI0880948	110	\$491.11
		1	0000001632	RI0888601	110	\$13,189.91
		1	0000001632	RI0894193	110	\$12,477.55
		2	0000001632	RI0817937	110	\$14,470.48
		2	0000001632	RI0807044	110	\$332.42
		2	0000001632	RI0725495	110	\$654.68
		2	0000001632	RI0816194	110	\$16,747.53
		2	0000001632	RI0810586	110	\$694.64
		3	0000001632	RI0838496	110	\$10,619.13
		3	0000001632	RI0831152	110	\$17,099.92
		4	0000001632	RI0700861	110	\$887.77
		4	0000001632	RI0702616	110	\$884.79
		4	0000001632	RI0702610	110	\$874.85
		4	0000001632	RI0798310	110	\$884.79
		4	0000001632	RI0700859	110	\$887.77
		4	0000001632	RI0702612	110	\$884.79
		5	0000001632	RI0716599	110	\$442.15
		5	0000001632	RI0768617	110	\$879.50
		5	0000001632	RI0799571	110	\$954.61
		5	0000001632	RI0722576	110	\$824.11
		5	0000001632	RI0722575	110	\$824.11
		5	0000001632	RI0722548	110	\$588.87

SITE	Vendor Name	Period	PO ID	Invoice	Exp Type	Amount
	and a second	5	0000001632	RI0719252	110	\$921.59
		6	0000001632	RI0702613R	110	\$884.79
		6	0000001632	RI0732635	110	\$989.23
		6	0000001632	RI0738876	110	\$824.11
		6	0000001632	RI0743959	110	\$884.79
		6	0000001632	RI0743972	110	\$807.21
		6	0000001632	RI0768619	110	\$899.71
		6	0000001632	RI0743969	110	\$884.79
		8	0000001632	RI0794180	110	\$8,577.30
		8	0000001632	RI0795137	110	\$4,667.13
		8	0000001632	RI0789253	110	\$852.96
		8	0000001632	RI0787518	110	\$829.09
		8	0000001632	RI0772021	110	\$902.85
		8	0000001632	RI0772033	110	\$902.85
		8	0000001632	RI0782248	110	\$773.39
		8	0000001632	RI0789258	110	\$1,473.90
		9	0000001632	RI0704054	110	\$3,262.12
		9	0000001632	RI0789258	110	\$30.08
		9	0000001632	RI0787518	110	\$16.92
		9	0000001632	RI0782248	110	\$15.78
		9	0000001632	RI0789253	110	\$17.41
		10	0000001632	RI0737244	110	\$17,652.45
		10	0000001632	RI0717649	110	\$6,261.65
		10	0000001632	RI0716996	110	\$13,018.64
		10	0000001632	RI0735360	110	\$7,778.06
		11	0000001632	RI0846265	110	\$19,213.63
		11	0000001632	RI0855938	110	\$2,064.01
		12	0000001632	RI0874692	110	\$16,596.57
		12	0000001632	RI0862921	110	\$18,349.98
		12	0000001632	RI0867650	110	\$27,645.45
	Summary for	r 'Vendor Name' =	CLEAN HARBORS	ENVIRONMENTAL S	SERVICES INC (54 det	ail r
	Sum					\$283,869.42
	CONECO ENGIN	EERS & SCIE	NTISTS INC			
		11	0000001964	115733	110	\$1,927.00
		11	0000001964	115901	110	\$1,033.25
	Summary for	r 'Vendor Name' =	CONECO ENGINE	ERS & SCIENTISTS I	NC (2 detail records)	
	Sum					\$2,960.25
	ESS LABORATOR					
		12	0000001977	0802242	110	\$35.00
	•	r 'Vendor Name' =	ESS LABORATOR	Y (1 detail record)		
	Sum	The second second	- 110 /57 datail	ordal		\$35.00
	-	n ⊏xpense Type'	= 110 (57 detail rec	Jusj		\$286.864.67
	Sum					Ψ200,004-07

TRAFFORD CORPORATION UTILITY

SITE	Vendor Name	Period	PO ID	Invoice	Ехр Туре	Amount
		1	0000076729	382419	M10	\$6,092.00
		1	0000076729	365769	M10	\$855.00
		1	0000076729	365751	M10	\$2,250.00
		1	0000076729	365752	M10	\$2,745.00
		1	0000076729	365760	M10	\$990.00
		1	0000076729	365762	M10	\$1,620.00
		1	0000076729	364060	M10	\$5,400.00
		1	0000076729	365761	M10	\$3,960.00
		1	0000076729	370554	M10	\$3,465.00
		1	0000076729	382346	M10	\$1,485.00
		1	0000076729	365766	M10	\$4,455.00
		1	0000076729	382343	M10	\$180.00
		1	0000076729	364057	M10	\$3,645.00
		1	0000077026	383765	M10	\$495.00
		1	0000076729	365764	M10	\$5,040.00
		1	0000076729	364058	M10	\$4,455.00
		2	0000076729	365776	M10	\$2,520.00
		2	0000077026	383768	M10	\$5,361.16
		2	0000076729	382418	M10	\$5,940.00
		2	0000077435	376973	M10	\$4,531.00
		2	0000077435	376967	M10	\$3,503.00
		2	0000075195	373514	M10	\$900.00
		2	0000076729	370555	M10	\$5,130.00
		2	0000076729	360930	M10	\$3,960.00
		2	0000076729	360960	M10	\$2,970.00
		2	0000076729	358125	M10	\$5,940.00
		2	0000077026	383456	M10	\$4,047.00
		2	0000076729	358129	M10	\$4,950.00
		2	0000076729	358131	M10	\$2,970.00
		2	0000076729	358133	M10	\$4,815.00
		2	0000077026	383473	M10	\$810.00
		2	0000075195	373511	M10	\$3,510.00
		2	0000077026	383464	M10	\$4,100.00
		2	0000077026	383766	M10	\$820.00
		2	0000077026	383459	M10	\$5,107.00
		2	0000077026	383461	M10	\$7,040.00
		2	0000077026	383462	M10	\$3,280.00
		3	0000079247	CRED-inv#373514	M10	(\$900.00)
		10	0000069185	360929	M10	\$4,455.00
		12	0000075195	377409	M10	\$3,465.00
		12	0000075195	377411	M10	\$3,465.00
		12	0000075195	377412	M10	\$360.00
		12	0000075195	377410	M10	\$180.00
		12	0000069485	375149	M10	\$6,120.00

Attachment to DIV 1-8(a) Docket No. 3977

SITE	Vendor Name	Period	PO ID	Invoice	Exp Type	Amount
		12	0000069485	373517	M10	\$6,930.00
		12	0000069485	373508	M10	\$2,700.00
		12	0000069485	373507	M10	\$3,600.00
		12	0000069485	373505	M10	\$5,130.00
		12	0000069485	373504	M10	\$6,435.00
		12	0000069485	373501	M10	\$5,940.00
		12	0000069485	356225	M10	\$1,333.00
		12	0000069485	373523	M10	\$6,435.00
		12	0000069485	375145	M10	\$3,240.00
		12	0000069485	375159	M10	\$360.00
		12	0000069485	375146	M10	\$540.00
		12	0000069485	375514	M10	\$900.00
		12	0000069485	375150	M10	\$2,475.00
		12	0000069485	375151	M10	\$180.00
		12	0000069485	375154	M10	\$4,455.00
		12	0000069485	375156	M10	\$4,950.00
		12	0000069485	373520	M10	\$2,160.00
		12	0000069485	375158	M10	\$180.00
		12	0000069485	375511	M10	\$3,510.00
	Sum Summary	for 'Site' = Mercui	ry Regulators (130 de	etail records)		\$207,934.16
Site Total						\$518,554.63
Site Total Aisc MGP of Site Total	& Substations (NEC	_ ۳)	993	0000476		
	ENVIRONMENT	AL COUNCIL	OF THE STATES	S		
		1		12221	400	\$450.00
	Summary fo	or 'Vendor Name' =	ENVIRONMENTAL	. COUNCIL OF THE	STATES (1 detail recor	
	Sum					\$450.00
	MGP USA 2008					
		1		1222	400	\$600.00
	Summary fo	or 'Vendor Name' =	= MGP USA 2008 (1	detail record)		* ****
		for 'Expense Type'	' = 400 (2 detail reco	rds)		\$600.00
	Sum					\$1,050.00
	Summary	for 'Site' = Misc N	/GP & Substations (I	NEG) (2 detail record	ds)	#1.050.00
						\$1,050.00
Newport ('	Thames & Wellingto			0002364		
	ARCADIS OF NE	EW YORK INC				
		2	0000041076	0223068	100	\$2,645.47
	-	or 'Vendor Name' =	= ARCADIS OF NEV	V YORK INC (1 deta	ail record)	00 645 47
	Sum					\$2,645.47

SITE	Vendor Name	Period	PO ID	Invoice	Exp Type	Amount
	BLASLAND BOU	CK & LEE INC	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
		9	0000041076	0202109	100	\$5,014.00
	Summary fo	r 'Vendor Name' =	BLASLAND BOUCH	< & LEE INC (1 detail	record)	
	Sum					\$5,014.00
	EECS INC					
		4	0000017281	165	100	\$5,485.53
		7	0000061526	173	100	\$3,599.74
		9	0000061526	176	100	\$935.00
		10	0000061526	179	100	\$165.00
	Summary fo	r 'Vendor Name' =	EECS INC (4 detail	records)		
	Sum					\$10,185.27
	GZA GEOENVIR	ONMENTAL II	VC			
		1	0000039504	0596538	100	\$17,567.58
		3	0000039504	0597975	100	\$13,961.03
		9	0000039504	0592107	100	\$5,920.11
		10	0000039504	0592527	100	\$11,965.73
		11	0000039504	0594404	100	\$7,428.69
	Summary fo	or 'Vendor Name' =	GZA GEOENVIRO	NMENTAL INC (5 det	ail records)	
	Sum					\$56,843.14
	J DEMARCO LAI	NDSCAPING C	COMPANY INC			
		5	Demarco	6/5/07	100	\$5,467.50
		6	Demarco	9/1/2007	100	\$275.00
	Summary fo	or 'Vendor Name' =	J DEMARCO LANE	DSCAPING COMPAN	Y INC (2 detail records	
	Sum					\$5,742.50
	VANASSE HANG					
		5	0000043130	0066339	100	\$26,055.55
		5	0000043130	0067903	100	\$8,510.98
		6	0000043130	0068722	100	\$19,479.72
		7	0000043130	0070889	100	\$14,002.06
		8	0000043130	0072182	100	\$6,021.53
		9	0000043130	00732250	100	\$2,318.34
		10	0000043130	0074566	100	\$1,428.04
		11	0000043130	0076482	100	\$304.28
	-	or 'Vendor Name' =	VANASSE HANGE	N BRUSTLIN INC (8	detail records)	¢70 100 50
	Sum	for 'Expanse Type'	= 100 (21 detail rec	ords)		\$78,120.50
	Sum	tor Expense Type	- 100 (21 detail fec			\$158,550.88 į
		ος ελπμολιλ	ENTAL OFDUTC	ES INC		
	CLEAN HARBOI				110	¢10 077 05
		1	0000001632	RI0892586	110	\$13,877.25 ~
		1	0000001632	RI0880628	110	\$1,534.68 ⁻
		1	0000001632	RI0875767	110	\$9,460.16 <
		3	0000001632	RI0816221	110	\$7,156.41
		3	0000001632	RI0830130	110	\$25,967.66 -

3

0000001632

RI0837440

110

\$10,536.49 1

SITE	Vendor Name	Period	PO ID	Invoice	Ехр Туре	Amount
		4	0000001632	RI0704569	110	\$2,737.91
		4	0000001632	RI0795011	110	\$27,439.50
		5	0000001632	RI0729948	110	\$2,548.42
		5	0000001632	R10729948	110	\$2,548.42
		5	0000001632	RI0744224R	110	\$5,031.19
		7	0000001632	RI0752420	110	\$3,231.79
		8	0000001632	RI0760034	110	\$1,424.05
		8	0000001632	r10789256	110	\$3,274.36
		9	0000001632	RI0713208	110	\$1,731.28
		10	0000001632	RI0735359	110	\$10,348.86 [°]
		12	0000001632	RI0729948 - Revers	sal 110	(\$2,548.42)
	Summary fo	r 'Vendor Name' =	CLEAN HARBORS	ENVIRONMENTAL SE	RVICES INC (17 det	ail r
	Sum					\$126,300.01
	ENVIRONMENTA	IL SOIL MANA	AGEMENT INC			
		4	0000042940	100349	110	(\$594.69)
	Summary fo	r 'Vendor Name' =	ENVIRONMENTAL	SOIL MANAGEMENT I	NC (1 detail record)	
	Sum					(\$594.69)
		or 'Expense Type'	= 110 (18 detail reco	ords)		
	Sum					\$125,705.32 🛷
	HISTORY ASSOC	IATES INC				
		7	History	3655.010.02	400	\$28,940.09
		8	History	8043655.010.03 & (04 400	\$4,353.72
	Summarv fo	r 'Vendor Name' =	·	ATES INC (2 detail reco	ords)	
	Sum			,	,	\$33,293.81
	LECG LLC					
		1		90889	400	\$5,602.50
		3		93154	400	\$3,356.46
	Summary fo		LECG LLC (2 detail	records)		
	Sum					\$8,958.96 🗸
		or 'Expense Type'	= 400 (4 detail recoi	rds)		
	Sum					\$42,252.77
	CURRY PRINTIN	'G				
		2	0000030403	158127	M10	\$185.60
		2	0000030403	158284	M10	\$99.74
	Summary fo		CURRY PRINTING			,
	Sum			(,		\$285.34
	HUDSON VALLE	Y AERIAL PH	OTOS LLC			
		7	0000009805	257	M10	\$300.00
	Summery fo			AERIAL PHOTOS LLC		+000-00
	Summary io	, , ender Wante –	10200N VALLET		(). dotain rooordy	\$300.00
		or 'Expense Type'	= M10 (3 detail reco	rds)		
	Sum		·			\$585.34
	Cummon	for 'Site' = Newpo	rt (Thampe X. Mollini	iton) (dK detail recorde)		

Tuesday, July 15, 2008

					Do	ocket No. 3977
SITE	Vendor Name	Period	PO ID	Invoice	Ехр Туре	Amount
PCB Regu	ılator - Pipe Abandon	ment	9930	0002370		
	CLEAN HARBOR	S ENVIRONMI	ENTAL SERVIC	ES INC		
		3	0000001632	SB0821132	110	\$4,310.49
		3	0000001632	RI0820531	110	\$5,800.12
		3	0000001632	RI0837437	110	\$2,056.82
		3	0000001632	SB0830489	110	\$355.27
		3	0000001632	SB0838087	110	\$4,762.90
		4	0000001632	RI0786651	110	\$2,256.86
		6	0000001632	RI0728864R	110	\$813.93
		6	0000001632	RI0737924	110	\$3,619.64
		8	0000001632	RI0760261	110	\$3,257.54
		12	0000001632	RI0868891	110	\$3,954.01
	Summary fo	r 'Vendor Name' =	CLEAN HARBORS	ENVIRONMENTAL SERV	ICES INC (10 deta	ail r
	Sum					\$31,187.58
	ESS LABORATOR	RY				
		1	0000001977	0803103	110	\$2.08
		1	0000001977	0803226	110	\$93.75
		1	0000001977	0803042	110	\$1.88
		1	0000001977	0803292	110	\$93.75
		1	0000001977	0803225	110	\$93.75
		4	0000001977	0706445	110	\$104.00
		4	0000001977	0706001	110	\$104.00
		4	0000001977	0706003	110	\$104.00
		4	0000001977	0706002	110	\$104.00
		4	0000001977	0706444	110	\$104.00
		5	0000001977	Work Order: 0707431	110	\$104.00
		7	0000001977	0709239	110	\$142.50
		8	0000001977	0709379	110	\$142.50
		8	0000001977	0709383	110	\$104.00
		9	0000001977	0711002	110	\$104.00
		9	0000001977	0710535	110	\$104.00
		10	0000001977	0801010	110	\$101.92
		11	0000001977	0801259	110	\$93.75
		11	0000001977	0801260	110	\$93.75
		11	0000001977	0801280	110	\$93.75
		11	0000001977	0801337	110	\$91.87
		11	0000001977	0801010	110	\$2.08
		11	0000001977	0801351	110	\$91.87
		11	0000001977	0801186	110	\$93.75
		11	0000001977	0801185	110	\$93.75
		11	0000001977	0801184	110	\$93.75
		11	0000001977	0801011	110	\$104.00
		11	0000001977	0801187	110	\$93.75
		12	0000001977	0803042	110	\$91.87

Attachment to DIV 1-8(a) Docket No. 3977

SITE V	endor Name/	Period	PO ID	Invoice	Exp Type	Amount
		12	0000001977	0802179	110	\$93.75
		12	0000001977	0801351	110	\$1.88
		12	0000001977	0803103	110	\$101.92
		12	0000001977	0801337	110	\$1.88
	Summary for	r 'Vendor Name' =	ESS LABORATOR	Y (33 detail records)		
	Sum	r Evono Tunol	- 110 (12 datail raac	(rdo)		\$2,845.50
	Summary ic	n Expense rype -	= 110 (43 detail reco	nus)		\$34,033.08 V
		for 'Site' = PCB Re	egulator - Pipe Aband	donment (43 detail re	ecords)	
Site Total						\$34,033.08
Providence (17	0 Allens Ave) M(GP	9930	002360	L	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.
	GZA GEOENVIRO	ONMENTAL IN	IC			
		4	0000039504	0585799	100	\$502.40
	Summary for	r 'Vendor Name' =	GZA GEOENVIROI	MENTAL INC (1 de	tail record)	
	Sum					\$502.40
L	HINCKLEY ALLE	N & SNYDER .	LLP			
		4	Hinckley	727580	100	\$340.00
		6	Hinckley	733999	100	\$198.00
		7	Hinckley	736510	100	\$99.00
		8	Hinckley	738984	100	\$1,064.00
		9	Hinckley	741809	100	\$198.00
		10	Hinckley	744877	100	\$253.00
		12	Hinckley	747964	100	\$102.60
	Summary for	r 'Vendor Name' =	HINCKLEY ALLEN	& SNYDER LLP (7 d	letail records)	
	Sum					\$2,254.60
		or 'Expense Type' =	= 100 (8 detail recor	ds)		* • • • • • •
	Sum					\$2,757.00
	HUDSON VALLE	Y AERIAL PHO	DTOS LLC			
		7	000009805	257	M10	\$300.00
		r 'Vendor Name' =	HUDSON VALLEY	AERIAL PHOTOS LI	LC (1 detail record)	
	Sum		- 1110 /1 1-1 "			\$300.00
		or ⊏xpense lype'=	= M10 (1 detail reco	ra)		\$200 00 V
	Sum					\$300.00 ⊻
	Summary f	for 'Site' = Provide	nce (170 Allens Ave,	MGP (9 detail reco	rds)	
Site Total						\$3,057.00
Providence (64	2 Allens Ave Hol	ders)	9930	002368		
L	BROWN AND CA	LDWELL				
		2	0000062778	3878738	100	\$12,498.02
	Summary for	r 'Vendor Name' =	BROWN AND CALL	DWELL (1 detail reco	ord)	
	Sum					\$12,498.02 [\]
	VANASSE HANGI	EN BRUSTLIN	INC			
		7	0000043130	0070967	100	\$954.17
	Summary for	r 'Vendor Name' =	VANASSE HANGE	N BRUSTLIN INC (1	detail record)	
	Sum					\$954.17

Attachment to DIV 1-8(a) Docket No. 3977

					Do	cket No. 3977
SITE	Vendor Name	Period	PO ID	Invoice	Exp Type	Amount
	-	or 'Expense Type' =	= 100 (2 detail recor	ds)		The second s
	Sum					\$13,452.19
	CLEAN HARBOR	S ENVIRONMI	ENTAL SERVICI	ES INC		
		8	0000001632	RI0772025	110	\$1,102.70 🖌
	Summary for	r 'Vendor Name' =	CLEAN HARBORS	ENVIRONMENTAL S	SERVICES INC (1 detail	re
	Sum					\$1,102.70
	CURRY PRINTIN	G				
		3	0000030403	158733	110	\$186.44
		r 'Vendor Name' =	CURRY PRINTING	(1 detail record)		
	Sum	217				\$186.44
	ESS LABORATOR					
		1	0000001977	0803241	110	\$739.00
		2	0000001977	0804290	110	\$469.00 \$739.00 \$739.00
		2	0000001977	0804131	110	
		2	0000001977	0804100	110	\$150.00
		3	0000001977	0805095	110	\$200.00
		5	0000001977	0609064	110	\$739.00
		9	0000001977	0711108	110	\$739.00
		10	0000001977	0801073	110	\$724.22 \$739.00 (*)6 / 3
		10	0000001977	0710204	110	
		10 11	0000001977	0711369	110	\$150.00
		11	0000001977	0801355	110	\$441.00
		12	0000001977 0000001977	0801073 0801355	110 110	\$14.78 \$9.00
	Summany for		ESS LABORATORY		110	\$9.00 V
	Summary for	vendor Name -	LOG LADONATON	(15 detail records)		\$5,853.00
		or 'Expense Type' =	= 110 (15 detail reco	ords)		\$6,000,00
	Sum					\$7,142.14
	NARRAGANSETT	BAY COMMIS	SSION			
		5	NBC	99839-07/07	400	\$730.45
	Summary for	r 'Vendor Name' =	NARRAGANSETT L	BAY COMMISSION (
	Sum			·		\$730.45
	Summary fo	or 'Expense Type' =	= 400 (1 detail recor	d)		
	Sum					\$730.45
	Summary f	for 'Site' = Provide	nce (642 Allens Ave	Holders) (18 detail re	cords)	
ite Total						\$21,324.78
ovidence	(642 Allens Ave.) M	GP	9930	002361	L	
	VANASSE HANGI					
	VANASSE NANGI		0000043130	0001005	100	¢0.040.05
		2		0081905	100	\$9,819.85 \$2,003.74
		2 3	0000043130	0080703	100	\$3,902.74
		3 5	0000043130 0000043130	0083688 0065183	100	\$2,781.44 \$1,864.70
		5	0000043130	0065183	100 100	\$1,864.70 \$357.38

SITE	Vendor Name	Period	PO ID	Invoice	Exp Type	Amount
		10	0000043130	0074575	100	\$1,360.93
		10	0000043130	0073227	100	\$6,287.42
		10	0000043130	0072170	100	\$3,015.37
		11	0000043130	0077534	100	\$1,561.02
		12	0000043130	0079286	100	\$13,473.41
	Summary for	r 'Vendor Name' =	VANASSE HANGE	N BRUSTLIN INC (11	detail records)	
	Sum					\$45,166.90
	Summary fo	or 'Expense Type'	= 100 (11 detail reco	ords)		,
	Sum					\$45,166.90 V
	CLEAN HARBOR	S ENVIRONM	ENTAL SERVIC	ES INC		
		2	0000001632	RI0807049	110	\$338.79
		9	0000001632	RI0713211	110	\$4,440.34
	Summary for	r 'Vendor Name' =	CLEAN HARBORS	ENVIRONMENTAL S	ERVICES INC (2 detai	ll re
	Sum					\$4,779.13
	ENVIRONMENTA	L SOIL MANA	GEMENT INC			
		9	0000042940	1004557	110	\$3,910.15
	Summary for	r 'Vendor Name' =	ENVIRONMENTAL	SOIL MANAGEMENT	r INC (1 detail record)	
	Sum					\$3,910.15
	ESS LABORATOR	2Y				
		1	0000001977	0802297	110	\$14.78
		1	0000001977	0803054	110	\$3.00
		12	0000001977	0802297	110	\$724.22
		12	0000001977	0803054	110	\$147.00
	Summary for	'Vendor Name' =	ESS LABORATOR	Y (4 detail records)		
	Sum			· · · ·		\$889.00
	Summary fo	or 'Expense Type'	= 110 (7 detail recor	rds)		
	Sum					\$9,578.28 V
	NARRAGANSETT	BAY COMMI	SSION			
		5	NBC	99883-07/07	400	\$365.27
	Summary for	· 'Vendor Name' =	NARRAGANSETT	BAY COMMISSION (1	detail record)	
	Sum					\$365.27
	Summary fo	r 'Expense Type' :	= 400 (1 detail recor	d)		
	Sum					\$365.27
	Summary f	or 'Site' = Provide	nce (642 Allens Ave	.) MGP (19 detail reco	rds)	
te Total						\$55,110.45
downtor (Dowtuokot DI) MC	D	00.27	000442	L	
iewatei (Pawtucket, RI) MG)000442		
	GZA GEOENVIRO)NMENTAL IN	C			
		1	0000039504	0596540	100	\$643.39
		2	0000002301	0597976	100	\$662.74
		5	0000039504	0587748	100	\$581.14
		9	0000039504	0592226	100	\$3,545.93
	Summary for	'Vendor Name' =	GZA GEOENVIROI	NMENTAL INC (4 deta	il records)	
	Sum					\$5,433.20
	VANASSE HANGI	EN BRUSTLIN	INC			

SITE	Vendor Name	Period	PO ID	Invoice	Exp Type	Amount
		3	0000043130	0083352	100	\$468.78
		8	0000043130	0072523	100	\$105.97
		10	0000043130	invoice summary	100	\$1,920.29
		11	0000043130	0072524	100	\$144.87
		11	0000043130	0076481	100	\$708.69
		12	0000043130	0079292	100	\$483.41
	Summary for	r 'Vendor Name' =	VANASSE HANGEI	N BRUSTLIN INC (6 det	ail records)	
	Sum Summary fo	or 'Expense Type' :	= 100 (10 detail reco	ords)		\$3,832.01
	Sum					\$9,265.21
	Summary i	or 'Site' = Tidewal	ter (Pawtucket, RI) M	1GP (10 detail records)		
te Total						\$9,265.21

Grand Total

\$969,489.46

George Aldrich Vice President, Controller Phone: 713-989-7568 Fax: 713-989-1194

2.50

May 8, 2008

Mr. John Cochrane Treasurer and Chief Financial Officer National GRID USA 25 Research Dr. Westborough, MA 01582

Subject: Insurance Proceeds

Dear John,

We refer to the Purchase and Sale Agreement dated as of February 15, 2006, between Southern Union Company and National Grid USA (as amended, the "Purchase Agreement"). Unless otherwise defined herein, terms defined in the Purchase Agreement are used herein as therein defined.

As permitted under Section 6.9(a) of the Purchase Agreement, since the Closing Date, Seller has settled certain insurance claims under past insurance policies and relinquished rights under such policies. Pursuant to the Purchase Agreement, we are hereby remitting to Buyer the amount of \$60,422.00, which represents the portion of insurance proceeds (net of Seller's costs and expenses) received by Seller to date in respect of insurance claims allocable to the Assumed Liabilities.

Please contact the undersigned with any questions.

Sincerely,

Ulaun

George E. Aldrich Vice President, Controller Attachment to DIV 1-8(b)

Docket No. 3977

Southern Union Company

Enclosure

5444 Westheimer Road Houston, TX 77056



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Southern Union Company 5444 Westheimer Road Houston, TX 77056-5306

VENDOR NO.	CHECK NO.	DATE
45006	0000114076	05/05/2008

INVOICE NUMBER	INVOICE DATE	VOUCHER ID	GROSS AMOUNT	DISCOUNT TOTAL	PAID AMOUNT	
0505086042200	0570572008 IORTH ATLANTIC SETT	811014	\$60,422.00	\$0.00	\$60,422.00	
PROCEEDS FOR	NUKIN AILANTIC SET	TOTAL:	\$60,422.00	\$0.00	\$60,422.00	
<u>BU</u> 00048	<u>Activity</u> 182327	<u>wo</u> 9940009302	Project XØ4182			
			а <i>и</i>			
			· · ·		*	
Southern Union Com	Southern Uni pany Southern Uni Statu	on Company ner Road	I INDENTIFEEAGK HASKANN IPMorgan Chase Bank, Syracuse, New York	ARTIECIALSWATERMARK	<u>50-937</u> 213	
U.S. DOLLARS	HALSAND FAIR HUM NATIONA	RED THENTY THE AND OO	100 DOLLARS******	CHECK DAT 05/05/2008	E CHECK NUMBER 0000114076 CHECK AMOUNT \$60,422.00	
AUNO	25 RESE/	ARCH DRIVE ROUGH, MA 01582			DALLA D SIGNATURE	
			<u>@</u>	VOID AFT!	ER 60 DAYS	

#0000111076# #021309379# _ 601892813#

Southern Union Company

All BUHB

cc: GHALE Spartridge

00048 182327

George Aldrich Vice President, Controller Phone: 713-989-7568 Fax: 713-989-1194

July 17, 2007

National GRID USA 25 Research Dr. Westborough, MA 01582 Attn: John Cochrane Treasurer and Chief Financial Officer

RE: Insurance Proceeds

Dear John,

We refer to the Purchase and Sale Agreement dated as of February 15, 2006, between Southern Union Company and National Grid USA (as amended, the "Purchase Agreement"). Unless otherwise defined herein, terms defined in the Purchase Agreement are used herein as therein defined.

As permitted under Section 6.9(a) of the Purchase Agreement, since the Closing Date, Seller has settled certain insurance claims under past insurance policies and relinquished rights under such policies. Pursuant to the Purchase Agreement, we are hereby remitting to Buyer the amount of \$1,110,345, which represents the portion of insurance proceeds (net of Seller's costs and expenses) received by Seller to date in respect of insurance claims allocable to the Assumed Liabilities.

 $^{\prime}$ Please contact the undersigned with any questions.

Lou Soldano, Sub

Sincerely,

He attached cleck the George E. Aldrich He attached cleck the George E. Aldrich Surance proceeds from the Hartford (D, ERZ4 ht slope Matel to R. Intervented sites. The proceeds S444 Westheimer Road are based on on allocation of total for 113-989-2564 Insurances received Portride



Southern Union Company 5444 Westheimer Road Houston, TX 77056-5306

NATIONAL GRID 25 RESEARCH DRIVE WESTBOROUGH, MA 01582

VENDOR NO.	CHECK NO.	DATE
45006	0000112425	07/13/2007

07/1307111034500 07/13/2007 735481 \$1,110,345.00 \$0.00 \$1,110,345.00 TOTAL: \$1,110,345.00 \$0.00 \$1,110,345.00	INVOICE NUMBER	INVOICE DATE	VOUCHER ID	GROSS AMOUNT	DISCOUNT TOTAL	PAID AMOUNT
TOTAL: \$1,110,345.00 \$0.00 \$1,110,345.00	071307111034500	07/13/2007	735481	\$1,110,345.00	\$0.00	\$1,110,345.00
			TOTAL:	\$1,110,345.00	\$0.00	\$1,110,345.00
						م میروند میروند
		· · · · · · · · · · · · · · · · · · ·				

Southern Union Company	Southern Union Company 5444 Westheimer Road Houston, TX 77056-5306	JPMorgan Chase Bank, N.A. Syracuse, New York	n na Stan (Stan Stan Stan Stan) Stan Stan Stan Stan	<u>50-937</u> 213
PAY IN U.S. DOLLARS	***1,110,345 AND 00/100	DOLLAR 5****************	CHECK DATE 07/13/2007	CHECK NUMBER 0000112425
TO THE ORDER OF	NATIONAL GRID 25 RESEARCH DRIVE WESTBOROUGH, MA		ببتناسيم	HECK AMOUNT 51,110,345.00
		· · · · ·	R. LANA AUTHORIZED SIGN VOID AFTER 60 D	

#0000112425# #021309379#

601892813#

<u>DIV 1-9</u>

Request:

Re: the Company's Annual Environmental Report for Gas Service Period July 1, 2007 through June 30, 2008, please document the allocation between Rhode Island gas and electric environmental response funds of the approximately \$6.129 million in proceeds from the bankruptcy claim by NEC and SU against Stone and Webster.

Response:

The \$6.129 million in proceeds from the bankruptcy claim against Stone and Webster was allocated 80 percent to the electric environmental response fund and 20 percent to the gas environmental response fund.

<u>DIV 1-10</u>

Request:

Re: the Company's Annual Environmental Report for Gas Service Period July 1, 2007 through June 30, 2008, please provide detailed documentation of the analytical testing of condensate and wipe test samples and disposal of PCB-contaminated condensate, drip water, and pipe for which dollar amounts are included in the Company's FY 2008 Environmental Response Costs. Please include in the Company's response to this request the number and timing of samples taken, tests performed, and disposal activity.

Response:

The samples collected in support of pipe characterization and disposal included 27 wipe samples analyzed for PCBs as well as two condensate samples analyzed for PCBs, benzene, and flashpoint. Copies of laboratory chains-of-custody (including the number of samples, sample dates and analytical methodology used) and ESS Laboratory invoices are attached. In addition, the Company disposed of 24.4 tons of PCB-containing pipe. Copies of the uniform hazardous waste manifests and Clean Harbor Environmental Services, Inc. invoices associated with the disposal activities are attached. Additional quantities of pipe were washed through an EPA-approved procedure and recycled. Clean Harbor Environmental Services, Inc. invoices are also attached.

Please note that one Clean Harbor Environmental Services, Inc. invoice (\$2,098.80, included with the attached invoices) was included in the cost totals for the PCB Regulated Pipe Abandonment. This invoice should have been included in the Mercury Sealed Regulator Replacement Program costs.

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*By circling MA-MCP, client acknowledges samples were collected	Relinquished by: (Signzture)	Relinguished by: (Signature)	Cooler Temp: 5.10		Cooler Present Yes	Container Type: P-Poly GGi						1 3/22/08	ESS LAB Date Sample#	Telephone #	Rovidence	Contage Person VC+CR HARIEU	Mational Graid	Co. Name	www.esslaboratory.com	Division of I hielsch Engineering, Inc. 185 Frances Avenue, Cranston, RI 02910-2211 Tel (401) 461.7181 East (401) 461.4486	ESS Laboratory
cnowledges samples were coll		Date/Time	[]	Nº NY:	No Inte	Glass S-Sterile V-VOA						1312	Collection Time COMP GRAB	Fax #	LY Suns	ţ.	id .	-	n 	rgineering, Inc. Dranston, RI 0291 Ease (2011) 261-241	atory
	ectived by: (Signature)	Neceived by: (Signature)] Technicians Co] Pickup Sa	Internal Use Only	Matrix: S-Soil SD-Solid				6"OI.	ABAndoned	W 788 350	MATRIX		lio\220	477 Dexter		Project #			The second s
Please fax all changes to Chain of Custody in writing.	Date/Time /	ZAYRAII:04	Comments:	Sampled by:	Preservation Code: 1- NP, 2- HCl, 3- HSO, 4- HNO, 5 NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-	id D-Sludge WW-Waste Water				19'ABANDONET	oned Ripe	50 ADELAIDE	Sample Identification (20 Chat. or less)	Email Address	PO#	itce St	350 Adelaide	Project Name (20 Char. or less)	MA ('RI') CT NH NJ NY ME Is this project for any of the following: MA-MCP Navy USACE	an 5 days, prior a g samples were c	G
n of Custody in writing	Relinquished by: (Signature)	Relinquished by: (Signature)	· · ·		?- HCl, 3- H.SO4, 4- H	GW-Ground				ED		DE AVC	Pres Code Number	ant Co			vide Auc	n. or less)	NY ME Other wing: USACE Other	ard Other al by laboratory is requ d from:	NOF
-	nature)	natiure)			NO, 5	Water		 	 	 -		6	Type of		<u> </u>					ired #	\square
		٦			NaOF	SW-Su		 	 			×	PCI						 		ST
	Date/Time	Date/Time			1, 6- MeOH, 7	SW-Surface Water I		 											Electronic Delive Format: Excel	Keporting Linits	
1 (White) Lab Copy	Received by: (Signature)	Received by: (Signature)	-		r-Asorbic Acid, 8- ZnA	DW-Drinking Water O-												Write Required Analysis	Electronic Deliverable Ye Format: ExcelAccessPDF	g Limits	
2 (Yellow) Client Receipt	:) Date/Tune	e) Date/Time			ct, 9	0-0il (W-Wipes) F-Filters										·····		nalysis	Yes No)FOther	DECESSION BUSICIES	Page of

Attachment to DIV 1-10 Docket 3977

Attachment to DIV 1-10 Docket 3977 Page 2 of 85

ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

To: National Grid Company 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: 350 Adelaide Ave Client Project Number: N/A PO Number: 0000001977 Date: 04/01/08

Work Order: 0803292

Analysis	Unit Cost	Quantity	Rush Surcharge	Extended Cost
PCB Wipes by 8082 - Wipe	\$93.75	1	0%	\$93.75
Invoice Total:				\$93.75

This invoice reflects the following discount off of our standard price list: 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0803292

REMIT TO: THIELSCH ENGINEERING, INC. - P.O. BOX 845327 - BOSTON, MA 02284-5327 For additional services, please call: (401) 461-7181 Federal ID: 050405629

1 (White) Lah Conv 2 (Yellow) Client Receipt

Please fax all changes to Chain of Custody in writing.

"Dry aimline NAA.MCD client actionships earniles were callected

Date/Time	Received by: (Signature)	Date/Time	nature)	l by: (Sig	Relinquished by: (Signature)	<u>75-08/0745</u> Date/Time		Ceived by: (Signature)	45	3-5-08 7:4. Date/Time	Refinquished by: (Sighature)	Relinquished
Date/Time	Received by: (Signature)	Date/Time	nature)	l by: (Sig	Relinquished by: (Signature)	Date/Time	by: (Signature)	Received by: (Sig	<u>́</u>		(ure)	Relinguished
						ts:	Comments:] Technicians	[]		4.2	Cooler Temp: _
27D 3508	a				•	by:	Sampled by:	[] Pickup		No NA:	Yes	Seals Intact
Hexane	Preservation Code: 1- NP, 2- HCl, 3- HiSO,, 4- HNO,, 5- NaOH, 6- McOH, 7- Asorbic Acid, 8- ZnAct, 9-	NaOH, 6- MeO	NO3, 5-	0, 4 H	2- HCl, 3- H.S	ion Code: 1- NP, 2	Preservat	Internal Use Only	Inter	No	Les -	Cooler Present
0-0il W.Wipes	DW-Drinking Water	SW-Surface Water	L	GW-Ground Water	2	D-Sludge WW-Waste Water	SD-Solid	Matrix: S-Soil	V-VOA	S-Sterile	e: P-Poly G-Glass	Container Type:
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				r of Ca		Email Address	ta la	·	*	-5195 Pax #	461-255	Telephone #
		· · · · · · · · · · · · · · · · · · ·				PO#	COBES diz		R H	State	muipence	City Pro
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's'	Write Required Analysis			1	r. or less)	Project Name (20 Char. or less)		Project #			~	Co. Name
Other_	Format: ExcelAccessPDF	Formati		Other	wing: USACE	Is this project for any of the following: MA-MCP Navy USACE	Is this project MA-MCP	1			www.esslaboratory.com	www.essl
030		1		U-har	d from:	State where samples were collected from: MA (RT) CT NIH NIT NY	State where sa	36 177711	61-44	ax (401) ²	Tel. (401) 461-7181 Fax (401) 461-4486	185 Franc Tel. (401)
ESS LAB PROJECT ID	Reporting Limits ESS	Repo	ired #	Other	ard Ot al by laborator	Turn Time <u>I</u> Standard Other <u>I</u> Standard Street than 5 days, prior approval by laboratory is required #	Turn Time If faster than 2		Inc.	gineering,	of Thielsch En	Division .
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Attachment to DIV 1-10 Docket 3977 Page 3 of 85

-Attachment to DIV 1-10 .. Docket 3977 Page 4 of 85

ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

To: National Grid Company 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: 27 Rodman Street Client Project Number: N/A PO Number: 0000001977 Date: 03/12/08

Work Order: 0803042

Analysis	Unit Cost	Quantity	Rush Surcharge	Extended Cost
PCB Wipes by 8082 - Wipe	\$93.75	1	0%	\$93.75
Invoice Total:				\$93.75

This invoice reflects the following discount off of our standard price list: 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0803042

REMIT TO: THIELSCH ENGINEERING, INC. - P.O. BOX 845327 - BOSTON, MA 02284-5327 For additional services, please call: (401) 461-7181 Federal ID: 050405629

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Attachment to DIV 1-10 Docket 3977 Page 6 of 85

ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

To:	National Grid Company	,		Work Order: 0803103	
	300 Erie Boulevard West				
	Syracuse, NY 13202-000				
Attent	tion: Accounts Payable				
Conta	ct: Pete Harley				
Client	Project: Providence				
Client	Project Number: NA				
PO N	umber: 0000001977				
Date:	03/11/08				
Analysi	S	Unit Cost	Quantity	Rush Surcharge	Extended Cost
PCB W	ipes by 8082 - Wipe	\$104.00	1	0%	\$104.00
Invoice	Total				\$104.00

Invoice Total:

This invoice reflects the following discount off of our standard price list: 25%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0803103

REMIT TO: THIELSCH ENGINEERING, INC. - P.O. BOX 845327 - BOSTON, MA 02284-5327 For additional services, please call: (401) 461-7181 Federal 1D: 050405629

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flease tax all changes to Chain of Custody in writing.

*By cirching MA-MCP, client acknowledges samples were collected

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	Date/Time	Date/Time		No NA:	No	G-Glass S-Sterile				*						9:3010	Collection Time	Fa			 		,	Fax (401)	<i>Engineering</i> , Cranston, I	aboratory
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	feat by: (Signature)	Received by: (Siggniure)			<u> </u>	: S-Soil SD-Solid										50th Royer	San		Zip Copeco		Address	Project #				3
	Date/Time	Date/Time	Comments:	sampled by:	Preservation Code: I-NP, 2-HCl, 3-HiSO,, 4-HNO,, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-	D-Sludge										1 williams Are	Sample Identification (20 Char. or Ices)	Email Address	07 PO#	Mel Poxe SL	. Kogen u	Project Name (20 Char. or less)	Is this project for any of the following: MA-MCP Navy USACE	MA CRIP CT NH NJ NY	Turn Time <u>V</u> Standard Oth If faster than 5 days, prior approval by laboratory	G
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		<u> </u>), 5- Na(6 1	Type of PCI		uners						*	CUSTODY
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Attachment to DIV 1-10 Docket 3977 Page 8 of 85

ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

 To:
 National Grid Company 300 Erie Boulevard West Syracuse, NY 13202-000
 Work Order: 0803225

 Attention:
 Accounts Payable

 Contact:
 Pete Harley

 Client Project:
 Roger Williams

 Client Project Number:
 N/A

 PO Number:
 0000001977

 Date:
 03/25/08

 Analysis
 Unit Cost
 Quantity
 Rush Surcharge
 Extended Cost

				DAWING COSt
PCB Wipes by 8082 - Wipe	\$93.75	1	0%	\$93.75
Invoice Total:				\$93.75

This invoice reflects the following discount off of our standard price list: 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0803225

REMIT TO: THIELSCH ENGINEERING, INC. - P.O. BOX 845327 - BOSTON, MA 02284-5327 For additional services, please call: (401) 461-7181 Federal ID: 050405629

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Attachment to DIV 1-10 Docket 3977 Page 10 of 85

ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

To: National Grid Company 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: Allens Ave Client Project Number: N/A PO Number: 0000001977 Date: 03/26/08

Work Order: 0803226

Analysis	Unit Cost	Quantity	Rush Surcharge	Extended Cost
PCB Wipes by 8082 - Wipe	\$93.75	1	0%	\$93.75
Invoice Total:			•	\$93.75

This invoice reflects the following discount off of our standard price list: 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0803226

REMIT TO: THIELSCH ENGINEERING, INC. - P.O. BOX 845327 - BOSTON, MA 02284-5327 For additional services, please call: (401) 461-7181 Federal ID: 050405629

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10/26/04 A .

Attachment to DIV 1-10 Docket 3977 Page 12 of 85

Extended Cost

\$104.00 **\$104.00**

ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

To: National Grid Company Work Order: 0706445 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: Waterman N Prov Client Project Number: N/A PO Number: 0000001977 Date: 06/27/07 Analysis Unit Cost Quantity **Rush Surcharge** PCB Wipes by 8082 - Wipe \$104.00 1 0%

Invoice Total:

This invoice reflects the following discount off of our standard price list: 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0706445

REMIT TO: THIELSCH ENGINEERING, INC. - P.O. BOX 845327 - BOSTON, MA 02284-5327 For additional services, please call: (401) 461-7181 Federal ID: 050405629

1 (White) Lab Copy 2 (Yellow) Client Receipt

Flease fax all changes to Chain of Custody in writing,

in accordance with MADEP CAM VII A sardimes meno conocied

Attachment to DIV 1-10 Docket 3977 Page 13 of 85

Attachment to DIV 1-10 Docket 3977 Page 14 of 85

ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

To: National Grid Company Work Order: 0706444 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: Providence Client Project Number: NA PO Number: 0000001977 Date: 06/27/07 Analysis The C . ~ _ . .

Analysis	Unit Cost	Quantity	Rush Surcharge	Extended Cost
PCB Wipes by 8082 - Wipe	\$104.00	1	0%	\$104.00
Invoice Total:				\$104.00

This invoice reflects the following discount off of our standard price list: 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

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0706444

Please fax all changes to Chain of Custody in writing.

*By circling MA-MCP, client acknowledges sumples were collected

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Date/Time	6/1/07 18-		Nº NA:	No	S-Sterile		 					 00:12	Collection Time	/13 Fax #	Logase D.	asquel			m	185 Frances Avenue, Cranston, RI 02910-2211 Tel. (401) 461-7181 Fax (401) 461-4486	Division of Thielsch Engineering,
	10	[] Technicians	[] Pickup	Internal Use Only	V-VOA Matrix:		 						COMP GRAB MATRIX	×#						RI 02910-22 461-4486	Inc.
by: (Signature)	Received by: (Signature)		5	1	S-Soil SD-Solid							Alleros	San		3) 0600	DEXTER	×	Project #	· ·		
Date/Time	Date/	Comments:	Sampled by:	Preservation Code: 1-NP, 2- HCl, 3- HASO4, 4-	olid D'-Sludge							An Q K	Sample Identification (20 Char. or iess)	Email Address	G PO#	જર	1 Tr	Project N	Is this project for any of the following: MA-MCP Navy USACE	It laster than 5 days, prior approval by laboratory is required # State where samples were collected from: MA (RN CT NH NI NY ME Other	lime C
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Attachment to DIV 1-10 Docket 3977 Page 15 of 85

Attachment to DIV 1-10 Docket 3977 Page 16 of 85

ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

To: National Grid Company 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: Providence Client Project Number: NA PO Number: 0000001977 Date: 06/13/07

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Work Order: 0706003

Analysis	Unit Cost	Quantity	Rush Surcharge	Extended Cost
PCB Wipes by 8082 - Wipe	\$104.00	1	0%	\$104.00
Invoice Total:				\$104.00

This invoice reflects the following discount off of our standard price list: 25.0%

Terms: Net 30 Days

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1.5% Monthly Finance Rate

0706003

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Please fax all changes to Chain of Custody in writing.

*By circling MA-MCP, clieut acknowledges samples were collected

ESS Laboratory CHAIN OF CUSTODY Page of Link Dibiono of Thielde Engenerity Inc. Tim Inc. Standard St		لحج ومحمد ومراجع والمحمد والمحم					and the second se						
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ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

National Grid Company To: Work Order: 0706001 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: East Providence Client Project Number: N/A PO Number: 0000001977 Date: 06/13/07 Analysis Unit Cost Quantity Rush Surcharge Extended Cost PCB Wipes by 8082 - Wipe \$104.00 1 0% \$104.00

Invoice Total:

This invoice reflects the following discount off of our standard price list: 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0706001

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I (White) Lab Copy 2 (Yellow) Client Receipt	Please fax all changes to Chain of Custody in writing.	Please fax all change	*By circling MA-MCP, client acknowledges samples were collected in accuration with MADRP CAM VII A	*By circling MA-MCP, cl in accurdance with MAT
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Date/Time Received by: (Signature) Date/Time	Time Relinquished by: (Signature) $\mathcal{O} \otimes \mathcal{O}$	Nature) Date/Time	6/1/07 18-10 Rescived	Relinguished by (Signalure)
		ursComments:	[] Technicians	Cooler Temp: $\frac{U}{2}$
		Sampled by:	Yes No NA: [] Pickup	Seals Intact
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SW-Surface Water DW-Drinking Water O.Off W-Wipes F-Filters	WW-Waste Water GW-Ground Water	S-Soil SD-Solid D-Sludge	G-Glass S-Sterile V-VOA Matrix:	Container Type: P-Poly/
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Write Required Analysis		Project # Project Na		Co. Name
cess PD	the follo	Is this project for any o MA-MCP Na	hry.com	www.esslaboratory.com
Flarmanic Dalitorable You No.		State where samples were collected from:	Tel. (401) 461-7181 Fax (401) 461-4486	Tel. (401) 461-71
Reporting Limits ESS LAB PROJECT ID	X Standard Other	Tum Time	Division of Thielsch Engineering, Inc.	Division of Thielsc
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ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

To: National Grid Company 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: Wood St Client Project Number: N/A PO Number: 0000001977 Date: 06/13/07

Work Order: 0706002

Analysis	Unit Cost	Quantity	Rush Surcharge	Extended Cost
PCB Wipes by 8082 - Wipe	\$104.00	1	0%	\$104.00
Invoice Total:				\$104.00

This invoice reflects the following discount off of our standard price list: 25.0%

Terms: Net 30 Days

1.5% Monthly Finance Rate

0706002

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Please fax all cha		7/Dat	Comments:	Sampled by:	Preservation Co	olid D-Sludge								· .	MINERAL STRING	Sample Identification (20 Char. or less)	Email Address	PC	approved	Ubeth	MCP N	Project for any	er than 5 days,) where samples	Dime C)
Please fax all changes to Chain of Custody in writing	Date/Time Re	Sh 201	-		Preservation Code: 1- NP, 2- HCI, 3- H.SO,, 4- HNO,, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-	B WW-Waste Water									PRING AVE	(20'Char. or less)	dress)#	H	h PROV	Project Name on Char or Inse	MA RICICE NH NJ NY ME Is this project for any of the following:	If faster than 5 days, prior approval by laboratory is required # State where samples were collected from:		
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ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

To: National Grid Company Work Order: 0707431 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: North Providence Client Project Number: N/A PO Number: 0000001977 Date: 08/01/07 Analysis Unit Cost Quantity Rush Surcharge Extended Cost PCB Wipes by 8082 - Wipe \$104.00 1 0% \$104.00

Invoice Total:

This invoice reflects the following discount off of our standard price list: 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0707431

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2 (Yellow) Client Receipt	Date/Time	Date/Time				W-Wipes F-Filters						Page of of States

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Work Order: 0709239

ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

To: National Grid Company 300 Erie Boulevard West Svracuse, NY 13202-000 Attention: Accounts Payable Contact: Bill Howard Client Project: Filter Drip Client Project Number: N/A PO Number: 0000001977 Date: 09/20/07

Analysis Unit Cost Quantity **Rush Surcharge** Extended Cost \$26.25 Flashpoint by 1010 - Solid 1 0% \$26.25 \$56.25 PCB by 8082 in Oil - Solid 1 0% \$56.25 VOA BTEX/MTBE by 5035/8021/8260 - Solid \$60.00 1 0% \$60.00 \$142.50

In ice Total:

This invoice reflects the following discount off of our standard price list: 25.0%

T· :: Net 30 Days 1.5% Monthly Finance Rate

0709239

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Work Order: 0709379

ESS LABORATORY **Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue** Cranston, Rhode Island 02910-2211

INVOICE

To: National Grid Company 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Bill Howard Client Project: Regulator Drip Client Project Number: N/A PO Number: 0000001977 Date: 10/02/07

Analysis Unit Cost **Rush Surcharge** Quantity Extended Cost Flashpoint by 1010 - Solid \$26.25 1 0% \$26.25 PCB by 8082 in Oil - Solid \$56.25 l 0% \$56.25 \$60.00 1 VOA BTEX by 5035/8021/8260 - Solid 0% \$60.00 \$142.50

Invoice Total:

The invoice reflects the following discount off of our standard price list: 25.0%

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1.5% Monthly Finance Rate

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	Daw/Ime Romanished by: (Sonarure) Daw/Imr Received by: (Signature) Daw/Time 900011130 (120) (120) (100) (Signature) Daw/Time Received by: (Signature) Daw/Time Date/Time Rolacquished by: (Signature) Date/Time Received by: (Signature) Date/Time	5	Preservation Code: 1- NP, 2- HCJ, 3- HSCA, 4- HNCD, 5- NAOH, 6- McCHI, 7- Asorbic Acid, 8- /mAct, 9-	D-Sludge WW-Waste Water GW Ground Water SW Sturface Water. DW. Drinking Water O. Ol W-Wipes F. Filters						Sample Identification (20 Clas. ar less) Pres Code Number Type of C	oi Contain		Ro	Too Rexiten ST PANT Write Required Analysis	Naver Name Andrew USACE Other Format Excel Access PDF Other	MA KIJ CT NH NJ NY ME Other Electronic Deliverable Yes No	Reporting Linuts ESS LAP	CHAIN OF CUSTODY		

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Please fax all changes in Chain of Custody in writing.

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Attachment to DIV 1-10 Docket 3977 Page 28 of 85

ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

To: National Grid Company 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Bill Howard Client Project: 100 Dexter St Pawt Client Project Number: N/A PO Number: 0000001977 Date: 10/03/07

يحجبنا فالمتحد وعدان

Work Order: 0709383

Analysis	Unit Cost	Quantity	Rush Surcharge	Extended Cost
PCB Wipes by 8082 - Wipe	\$104.00	1	0%	\$104.00
Invoice Total:				\$104.00

This invoice reflects the following discount off of our standard price list: 25.0%

Net 30 Days
 1.5% Monthly Finance Rate

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0709383

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(Yellow)
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2 (Yellow) Client Receipt	1 (White) Lab Copy 2 (Yel			dy in writing.	ain of Custo	Please fax all changes to Chain of Custody in writing.	Plea	collected -	samples were	knowledges	*By circling MA-MCP, client acknowledges samples were collected	*By circling M
Date/ Lime	Keceived by: (Signature)	Date/Jime	uture)	Kelinguished by: (Signature)	Keinodar	Date/ lune	Adceived by: (Signature)	Aceived	Date/ Inne	Lat	kelinquished by: (Signatate)	Relinquished
Date/Time	Received by: (Signature)	Date/Time	, ture)	Reliaquished by: (Signature)	Relinqui	lululon 10 48	by Signature)	Perceived by	Date/Time		by Signardine)	Relinquished by
						Correments:] Technicians			S HIN	Cooler Temp: 10/
						Sampled by:	Sat] Pickup	No ANI	No	A I IN Yes	Seals Intact
	Preservation Code: 1-NP, 2-HCl, 3-H:SO4, 4-HNO5, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9	NaOH, 6- МеОН,	ĺÓ;, 5-]	H2SO4, 4- HI	, 2- HCl, 3-	servation Code: 1-NP		Internal Use Only	· .	الج الج	ut Yes	Cooler Present
W-Wipes F-Filters	DW-Drinking Water O-Oil V	SW-Surface Water	Water S	GW-Ground V	WW-Waste Water	D-Sludge	S-Soil SD-Solid	A Matrix:	S-Steple V-VOA	G-Glass S-St	P-Poly	Container Type:
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		ρc	'Type of	Pres Code Numbe	: or less)	Sample Identification (20 Char. or tess)	Samp	GRAB MATRIX	Collection Time	Collecti Time	Date	ESS LAB Sample#
		B	Contai	r of Co		Email Address			Fax #			Telephone #
			iners	ntainer		PO#	Zip		N ^{San}		2	PROV
						WICKENDEN ST	Address 575 WICK					Contact Person
										60210	NATIONAL	NAT
	Write Required Analysis				har, or less)	Project Name (20 Char. or less)	Project #			-		Co. Name
Other	ccess_PDF	Format:			lowing: USA	Is this project for any of the following: MA-MCP Navy USACE	 			Om	www.esslaboratory.com	www.ess
No No	Electronic Deliverable Yes	Electron		E Other	ted from: NY ME	MA ACT NH NJ NY	1	4486	01) 461-	Fax $(4$	Tel. (401) 461-7181 Fax (401) 461-4486	Tel. (401
ESS LAB PROJECT ID	Reporting Limits ESS L	Reportin	₩ #	Other atory is requir	idard Ival by labor	Turn Time Standard Other If faster than 5 days, prior approval by laboratory is required #		991A_22	n RIN	Enginee	of Thielsch	Division
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Attachment to DIV 1-10 Docket 3977 Page 30 of 85

ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

Analysis	\$	Unit Cost	Quantity	Rush Surcharge	Extended Cost
Date:	11/05/07				
PO Nu	mber: 0000001977				
	Project Number: N/A			`	
Client	Project: 575 Wickenden St				
Contac	et: Pete Harley				
Attenti	on: Accounts Payable				
	Syracuse, NY 13202-000				
	300 Erie Boulevard West				
To:	National Grid Company			Work Order: 0711002	

Analysis	Unit Cost	Quantity	Rush Surcharge	Extended Cost
PCB Wipes by 8082 - Wipe	\$104.00	1	0%	\$104.00
Invoice Total:				\$104.00

T voice reflects the following discount off of our standard price list: 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0711002

Please fax all changes to Chain of Custody in writing.

*By circling MA-MCP, client acknowledges samples were collected

Relinquished by: (Sigharure) Relinquished by: (Signature)

Date/Time 10/31/8:23 Date/Time

Received by (Signature)

60 Dave/

Date/Time 8:23

Relinquished by: (Signature)

Date/Tune

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Received by: (Signature)

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Cooler Temp: 5.	Seals Intact	Cooler Present	Container Type:			2 1-1						~	ESS LAB Sample#	Telephone # $\frac{1}{90}$	PROVIDENCE	Contact Person	NATIONAL	Co. Name	WWW.ESS	Tel. (401	Division 185 Fran	ESS	
51-0	r Tes	ut Ves	ype: P-Poly G-Glass			-				-		10/30/07		- 525- 550	DENCE	act Person DENIS HOUSTON	1. R.D	•	www.essiaboratory.com) 461-7181	Division of 1 hielsch Engineering, Inc. 185 Frances Avenue, Cranston, RI 02910-2211	ESS Laboratory	
	No NA:	No	&-Sterile									15:30	Collection Time	Z Fax #			6A5		1. J.	Fax (401) 46 n	ranston, RI	atory	
[] Technicians	_ [] Pickup	Internal Use Only	V-VOA Matrix;					 				Xu	COMP GRAB MATRIX	*	13					1-4486	nc. 02910-2		
nicians	đ	Ise Only	S-Soil						 i			GANO			70,600	Address 477 L		Project #	M			1	
Comments:	Sampled by:	Preservation Code	SD-Solid D-Sludge									ST. RADISSON	Sample Identification (20 Char. or less)	Email Address	C PO#	477 DEXTER ST.	61240 ST.	Project Na	Is this project for any of the following: MA-MCP Navy USA	CT NH	Juth Jime		
		Preservation Code: 1- NP, 2- HCL, 3-	WW-Waste Water									N HOTEL	(20 Char. or less)	ŝ	*		A	Project Name (20 Chas. or less)	the following: VY USA	U NY ME	approval by labora		•
		HaSO4, 4- HNO4, 5- NaOH, 6- MEOH, 7- Asorbic Acid, 8- ZnAct, 9-	GW-Ground Water					 			 		Pres Code Numbe						CE Other	E Other	ttory is requ	1 **	
		INO3, 5- }						 				6	Type of	Conta						ň	ired #	CUSTOD	
•		VaOH, (SW-Surface Water									×	PCE	5			_					IS	7
		⊦ MeO	ce Water					 											Format	Electr	- Kepor		•
		H, 7- A.						 											at: Excel	Electronic Deliverable	Keporang Limits		
		sorbic A	DW-Drinking Water					 										Write		liverabl	aits		
		ucid, 8-	g Water					 		 	 	<u> </u>						Write Required Analysis	Access				
		ZnAct,	0-Oil					 			<u> </u>			·····		,-		ed Amai	PDF	Yes .	\bigcirc	Page	
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			W Wipes					 			<u> </u>		 		<u></u>				Other	No			
			F-Filters								<u> </u>					·		-		30		of	

Attachment to DIV 1-10 Docket 3977 Page 32 of 85

ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

Client Project: Gano Street Client Project Number: N/A PO Number: 0000001977 Date: 11/07/07				
Analysis	Unit Cost	Quantity	Rush Surcharge	Extended Cost
PCB Wipes by 8082 - Wipe	\$104.00	1	0%	\$104.00

Invoice Total:

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The voice reflects the following discount off of our standard price list: 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0710535

\$104.00

Please fax all changes to Chain of Custody in writing.

*By circling MA-MCP, client acknowledges samples were collected

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Relinquished by: (Signature) Multi Santa Arra Relinquished by: (Signature)	Cooler Temp: 5.2	Seals IntactYes	Cooler Present Yes	Container Type: P-Poly G-Glass									1 12/31/07	ESS LAB Date Sample#	Telephone # 10/- 525-551	City PROVIDENCE	Contact Person . FRANK PASOVEL	NATIONAL GRO	Co. Name	www.esslaboratory.com	<i>Division of intestin Linguisering, inc.</i> 185 Frances Avenue, Cranston, RI 02910-2211 Tel. (401) 461-7181 Fax (401) 461-4486	ESS Labor
1/2/051/3:4/5 Date/Time		No NA: []	No Inte) S-Sterile V-VOA									15:15	Collection Time COMP	5 Pax #	State RT	EL .	0 6AS		m	Fax (401) 461-44	aboratory
Received by: (Signature) Received by: (Signature)] Technicians Co	[] Pickup Sai	Internal Use Only Pre	Matrix: S-Soil SD-Solid									W COLOWIAL	GRAB MATRIX		Zip	477 DEXTER		Project #	Is this p MA-M	<u> </u>	Three Time
Date/Time 3~08 1345 Date/Time	Comments:	Sampled by:	Preservation Code: 1- NP, 2- HCl, 3- Ha	id D-Sludge WW-Waste Water									RD PRav	Sample Identification (20 Char. or less)	Email Address	PO#	R ST	COLDINAL K	Project Name (20 Char. or less)	Is this project for any of the following: MA-MCP Navy USACE	sn 5 days, prior a esamples were co CT NH	CHAD
Relinquished by: (Signature) Relinquished by: (Signature)			- HCI, 3- H-SO4, 4- HNI	e Water GW-Ground Water					· · ·					Pres Code Numbe	r of Co	ontaine	rs	RD.	or less)		l by laboratory is required from: NY ME Other	NOF
ure)			03, 5- N			 							C			iners		·			+	CUSTODY
Date/Time Date/Time			aOH, 6-	SW-Surface Water									$ \times$	PCA	<u> </u>						`	FS
Time			MeOH,	Water		 														Format	T	
Received by: (Signature) Received by: (Signature)			SO, 4- HNO, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-	DW-Drinking Water		 	· · · · ·	·											Write Req	Format: ExcelAccess	Flannonin Dalivanda	YC
iignature) iignature)	, ,		8- ZnAct, 5	ter 0-0il															Write Required Analysis	PD		Page
Date/Time Date/Time				W-Wipes			 												SiS	Other	2801010	ARPRO
Date/Time Date/Time				F-Filters										· · · ·			····				510	of

Attachment to DIV 1-10 Docket 3977 Page 34 of 85

ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

To: National Grid Company Work Order: 0801010 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Bill Howard Client Project: Colonial Rd Client Project Number: N/A PO Number: 0000001977 Date: 01/10/08 Analysis Unit Cost \sim 0

Analysis	Unit Cost	Quantity	Rush Surcharge	Extended Cost
PCB Wipes by 8082 - Wipe	\$104.00	1	0%	\$104.00
Invoice Total:				\$104.00

This invoice reflects the following discount off of our standard price list: 25%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0801010

Please fax all changes to Chain of Custody in writing.

*By circling MA-MCP, client acknowledges samples were collected

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Relinquished by: (Signature)	Cooler Temp: 4.7	Seals Intact Yes	Cooler Present	Container Type: P-Poly G-Glass				-			80-58-1	ESS LAB Date Sample#	Telephone #401 2555	City Providence	Contact Person Peter Harley	Mational (Srip	Co. Name	www.esslaboratory.com	Tel. (401) 461-7181 Fax (401) 461-4486	Division of Thielsch Eng	ESS Laboratory
Date/Time R 1- 33-09 [09:39 Date/Time	.[]	No []	No Inter	S-Sterile V-VOA							X 400:89	Collection Time COMP GRAB	5195 Fax#	State RT		0 Gas			ax (401) 461-448	ineering, Inc.	tory
Received by: (Signature) Acceived by: (Signature)] Technicians Co] Pickup Sai	Internal Use Only Pre	Matrix: S-Soil SD-Solid							 H CHE M	MATRIX		Obto diz	Address + TT 1		Project #		T		
Date/Time 1230X10928 Date/Time	Comments:	Sampled by:	Preservation Code: 1- NP, 2- HCl, 3- HtSO1, 4- HNO1, 5- NaOH, 6- McOH, 7- Asorbic Acid, 8- ZnAct, 9-	d D-Sludge WW-Waste Water							Public St F	Sample Identification (20 Chot. or Ives)	Email Address	101 PO#	Dexter st	247 Public st	Project Name (20 Chan or less)	Is this project for any of the following: MA-MCP Navy USACE	State where samples were collected from: MA (R) CT NH NJ NY	Turn Time U Standard Other If faster than 5 days, prior approval by laboratory is required #	CHAIN
Relinquished by: (Signature) Relinquished by: (Signature)			2- HCl, 3- HiSO4, 4- HN	te Water GW-Ground Water						 	Prov. 91		T of Ce	ontaine		lic st	r. or less)	SACE	d from: NY ME Other	ard Other al by laboratory is require	N OF (
ature) Date/Time ature) Date/Time	. i		101, 5- NaOH, 6-	Vater SW-Surface Water		·					GX	Type of PC		iners						ă # 	USTODY
			MeOH, 7- Asorb	1													Wr	Format: Excel	Electronic Deliverable	Reporting Limits	ODY
Received by: (Signature) Received by: (Signature)			sic Acid, 8- ZnAct, 9	DW-Drinking Water O-Oil			· · · · ·								/		Write Required Analysis	Access_PDF	mhle Yes	ESS C	Page
Date/Time Date/Time			HEXANIC	0-Oil (W-Wipes) F-Filters	· ·										······································		S,	Other	NOI ALC	ESS LAB PROJECT ID	of

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Attachment to DIV 1-10 Docket 3977 Page 36 of 85

ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

To: National Grid Company 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: 247 Public Street Client Project Number: N/A PO Number: 0000001977 Date: 01/29/08

Work Order: 0801260

Analysis	Unit Cost	Quantity	Rush Surcharge	Extended Cost
PCB Wipes by 8082 - Wipe	\$93.75	1	0%	\$93.75
Invoice Total:				\$93.75

This invoice reflects the following discount off of our standard price list 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0801260

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Please fax all changes to Chain of Custody in writing.

*By circling MA-MCP, client acknowledges samples were collected

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Relinquished by: (Mgnature)	Relinquished by: (Signature)	Cooler Temp: 4-3	Seals Intact	Cooler Present <u>(</u>	Container Type: P-Poly								ESS LAB Date Sample#	Telephone #	City Providence	Contact Person Peter Harley	MAtional	Co. Name	www.esslaboratory.com	Tel. (401) 461-71	Division of Thiel 185 Frances Ave	ESS Lab
ure) Date/Time			Yes No NA:	Yes No	G-Glass S-Sterile							1-29-08 6:00Pm	e Collection Time	5195 Fax#	e State 4	larley	Sper auso	> ·	ry.com	81 Fax (401) 46	Division of Ibielsch Engineering, Inc. 185 Frances Avenue, Cranston, RI 02910-2211	aboratory
Ow J-Dation Received by: (Signature)	Received by: (Signature)	[] Technicians	_ [] ^P ickup	Internal Use Only	V-VOA Matrix: S-Soil						<u>ن</u> ــــــــــــــــــــــــــــــــــــ	X/w/349/Manton	COMP GRAB MATRIX		AL ZP	Address 7		Project #			Y]
ure) - 30.08 10950 Date/Time		Comments:	Sampled by:	Preservation Code: 1-1	SD-Solid D-Sludge WW-						-	AVE A	Sample Identification (20 Char. or lyss)	Email Address	#04 LOBED	n Dexter St	MU LHE	Project Name (20 Char. or less)	Is this project for any of the following: MA-MCP Navy USACE	MA (RI) CT NH NJ NY	Jurn Jime LX Standard Other If faster than 5 days, prior approval by laboratory is required #	CF
Relinquished by: (Signature)	Relinquished by: (Signature)			Preservation Code: 1- NP, 2- HCl, 3- HiSO, 4- HNO, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct	WW-Waste Water GW-Ground Water							povidence 9 1	Pres Code	er of Cr	optaine		Manton AVe) Chan or less)	SACE	ected from: JJ NY ME Other	or approval by laboratory is requi	NOF
				NO3, 5- NaOH	1		 					の X	Type of							7	red #	CUSTODY
Date/Time	Date/Time			1, 6- MeOH, 7	SW-Surface Water I														Format:	Electroni	Keportung Limits	TOD
Received by: (Signature)	Received by: (Signature)			7- Asorbic Acid, 8- Z	DW-Drinking Water									·	· · · · · · · · · · · · · · · · · · ·			Write Required Analysis	ccess	Electronic Deliverable	g Limits	Y
				and HEXance	0-Oil W-Wipes F-Filters													Analysis	PDF Other	Yes No		Page
Date/Time	Date/Time			Inc.	F -Filters									·····								

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Work Order: 0801351

ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

To: National Grid Company 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: 349 Manton Avenue Client Project Number: N/A PO Number: 0000001977 Date: 02/06/08

Analysis Unit Cost Quantity **Rush Surcharge** Extended Cost PCB Wipes by 8082 - Wipe \$93.75 1 0% \$93.75 \$93.75

Invoice Total:

This invoice reflects the following discount off of our standard price list 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0801351

Please fax all changes to Chain of Custody in writing.

*By circling MA-MCP, client acknowledges samples were collected

Relinquished by: (Signifure) Date/Time Received by: (Signifure)	Relingdished by: (Signature) Date/Time Received by: (Signature) Date/Time Received by: (Signature)	Cooler Temp: 2.5 [] Technicians_	Scals Intact Yes No NA: [] Pickup	Cooler Present Yes No Internal Use Only	Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil						1 1-23-08 05:00m XWP	Sample# Date Collection Sample# Comp GRAB MATRIX	Iclephone # 1461 255 5-195 Fax #	City Providence State AI	Contact Person Peter Harley Addres	Grill Gas		www.esslaboratory.com	Tel. (401) 461-7181 Fax (401) 461-4486	Division of Thielsch Engineering, Inc. 185 Frances Avenue, Cranston, RI 02910-2211	ESS Laboratory
/ D	: (Signature) Days/Time Relinquished by: (Signature)	Comments:	Sampled by:	Preservation Code: 1- NP, 2- HCl, 3- H.SO,, 4- HNO, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-	oil SD-Solid D-Sludge WW-Waste Water GW-Ground Water						roubence 110	Sample Identification (20 Chat. or loss) Pres Code	Email Address	mtaine	77 Octors St	500 Prairie Ave		SACE	State where samples were collected from: MA (R) CT NH NJ NY ME Other	Turn Time Standard Other If faster than 5 days, prior approval by laboratory is required #	CHAIN OF C
c) Date/Time	e) Date/Time			5- NaOH, 6- M	r SW-Surface Water		 				のオ	Type of PCC		iners				7	ъ		USTOD
ne Received by: (Signature)	me Received by: (Signature)			feOH, 7- Asorbic Acid, 8- ZnAct, 9	DW-Drinking Water O-Oil (· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				Write Required Analysis	ccessPDF	Electronic Deliverable	Reporting Limits ESS I	P Y
Date/Time	Date/Time				W-Wipes F-Filters							· · · · · · · · · · · · · · · · · · ·						Other	DOIA OU	ESS LAB PROJECT ID	of

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<u>Attachment to DIV 1-10</u> Docket 3977 Page 40 of 85

ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

To: National Grid Company 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: 500 Prairie Avenue Client Project Number: N/A PO Number: 0000001977 Date: 02/01/08

Work Order: 0801280

Analysis	Unit Cost	Quantity	Rush Surcharge	Extended Cost
PCB Wipes by 8082 - Wipe	\$93.75	1	0%	\$93.75
Invoice Total:				\$93.75

This invoice reflects the following discount off of our standard price list 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0801280

Please fax all changes to Chain of Custody in writing.

*By circling MA-MCP, client acknowledges samples were collected

ESS Laborator Division of Thielsch Engineerin 185 Frances Avenue, Cranston, 181 (401) 461-7181 Fax (401) Tel. (401) 461-7181 Fax (401) www.esslaboratory.com	ESS Laboratory Division of Thielsch Engineering, Inc. 185 Frances Avenue, Cranston, RJ 02910-2211 Tel. (401) 461-7181 Fax (401) 461-4486 www.esslaboratory.com	Thrn Time Standard If faster than 5 days, prior approval by laboral State where samples were collected from: MA (R) CT NH NJ NY ME Is this project for any of the following: MA-MCP Project Name (20 Chat or less) Project Name (20 Chat or less)	her Other Other	USTODY # Reporting Limits # Reporting Limits Electronic Deliverable Format: Excel Access Write Requi	verable	³ age of ESS LAB PROJECT ID DSO 25 9 Yes No Yes No Ve Other aalysis t
Contact Person Peters h Contact Person Peters h City Prout Dence	Harley Address Harley Address & State RT Fax #	I DUA TUDIUS I DDUATER ST Zip 2907 PO# Email Address	Contaíners ntainers	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
ESS LAB Date Co Sample#	Collection Time GRAB MATRIX	Sample Identification (20 Char. or less)				
80-22-1 1	M X MOO:B	502 Public St Prov.	9 1 G X			
			· · ·			
Container Type: P-Poly G-Gi	G-Glass S-Sterile V-VOA Matrix: S-Soil	SD-Solid D-Sludge WW-Waste Water	GW-Ground Water SW-Surl	SW-Surface Water DW-D	DW-Drinking Water O-Oil (O-Oil W-Wipes F-Filters
Cooler Present 1/Yes	No Internal Use Only	Preservation Code: 1- NP, 2- HCl, 3- HSOs, 4- HNOs, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-	SO4, 4- HNO3, 5- NaOH,	6- MeOH, 7- Asc	rbic Acid, 8- ZnAct, 9-	Hexalle
Seals Intact >Yes	No NA: [] Pickup	Sampled by:				
Cooler Temp: 4.4	[] Techniciaus	Comments:				
Relinguished by: (Signature)	Date/Time Required by: (Signature)	Date/Time			Received by: (Signature)	Date/Time
	Acceived	Date/Time	Relinquished by: (Signature) Dat	Date/Time Rec	Received by: (Signature)	Date/Time

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<u>Attachment to DIV 1-10</u> Docket 3977 Page 42 of 85

ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

INVOICE

To: National Grid Company 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: 502 Public Street Client Project Number: N/A PO Number: 0000001977 Date: 01/29/08 Unit Cost Quantity Rush Surcharge Extended Cost

ranalysis	Unit Cost	Quantity	Kush Surcharge	Extended Cost
PCB Wipes by 8082 - Wipe	\$93.75	1	0%	\$93.75
Invoice Total:				\$93.75

This invoice reflects the following discount off of our standard price list 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0801259

Please fax all changes to Chain of Custody in writing.

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADRP CAM VII A

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Relinquished	Relinquished	Cooler Temp:	Seals Intact	Cooler Present	Container Type:										ESS LAB Sample#	Telephone #	City	Contact Person	C	Co. Name	www.essl	185 Franc Tel. (401)	LSS Division	ゴンン
Relinquished by: (Signature)	by (bignature)	WH FAR	1/2 Yes	nt Yes	P-Poly	*				 				20-20-10	Date	1-272-	Providence	Frank	Wationsal	-	www.esslaboratory.com	Frances Avenue, (401) 461-7181	of Thielsch 1	- ⊀
Date/Time	Date/Time		No	L'No	G-Glass S-Sterile V			•						3 13:00	Collection Time	5040 Fax #	State	1	112	· >	, m	185 Frances Avenue, Cranston, RI 02910-2211 Tel. (401) 461-7181 Fax (401) 461-4486	ESS Laboratory Division of Thielsch Engineering, Inc.	
~~~	Recq	[ ] Technicians	[ ] Pickup	Internal Use Only	V-VOA Matrix;		· · · · · · · · · · · · · · · · · · ·		· · · ·			2-M(-(	Z Z	Xiv	COMP GRAB MATRIX	*	RF			الأل		I 02910-221: 61-4486	Inc.	
Received by: (Signature)	Ford by: (Signature)	.  .	Sar	г <u></u>	S-Soil SD-Solid							9.0-		Susano	Sampl		Zip	Address	•	Project #	 	<del>,</del>	Turn Time	
Date/Time	Date/Tume	Comments:	Sampled by:	Preservation Code: 1- NP, 2- HCl, 3- H-SO4, 4- HNO4, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-	D-Sludge					· ·				48	Sample Identification (20 Char or less)	Email Address	PO#	7 Decter	Swaw	Project Name (20 Chat. or less)	Is this project for any of the following: MA-MCP Navy USACE	If faster than 5 days, prior approval by laboratory is required # State where samples were collected from: MA (RT) CT NTH NT NTY MF Orbar		
•				NP, 2- HCI, 3- H	WW-Waste Water G										Char, or less)			2	2 57	20 Chat. or Jess)	following: USAC	hereral by laborate liected from: NT NY MF	ALL C	L W E
Relinquished by: (Signature)	ed by: (Signature)			250, 4 HNO, :	GW-Ground Water			•								r of Co		s				Dry is required #		)
)   Date/Time				5- NaOH, 6- Me	W-Surface Water							· · · · · · · · · · · · · · · · · · ·		× ×	Pc e			· <u>·</u> ····	 - -		For	1	Reporting Limi	ゴウゴン
				OH, 7- Asorbic A	ter DW-Drinking Water						· · · ·									Write F	Format: ExcelA		Reporting Limits	
Received by: (Signature)	Received by: (Signature)			cid, 8- ZnAct, 9-	0-0 <u>1</u>		· · · · · · · · · · · · · · · · · · ·				· · ·									Write Required Analysis	ccess_PDF_	×0	Page ESS 1	
Dare/Iime	Date/Time				W-Wipes F-Filters						· · · · ·			· · ·				······		S	Other	<u>L8008</u>	age of ESS LAB PROJECT ID	
	<u> </u>		<u> </u>		3	ŀ																		

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ttachment to DIV 1-10 Docket 3977 Page 44 of 85

### **ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue** Cranston, Rhode Island 02910-2211

# **INVOICE**

To: National Grid Company Work Order: 0801187 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: Swan Street Client Project Number: N/A PO Number: 0000001977 Date: 01/22/08 Analysis Unit Cost Quantity **Rush Surcharge** Extended Cost PCB Wipes by 8082 - Wipe \$93,75 1 0%

**Invoice Total:** This invoice reflects the following discount off of our standard price list: 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0801187

\$93.75

\$93.75

Please fax all changes to Chain of Custody in writing.

*By circling MA-MCP, client acknowledges samples were collected

Attachment to DIV 1-10 Docket 3977	
DOCKEL 3977	
Page 45 of 85	

Relinquished by: (Signature)	Relinguisheour/(Signature)	Cooler Temp: MA F.A.P	Seals Intact Yes	Cooler Present Yes	Container Type: P-Poly G-Glass				-	•			3/1/1/1	ESS LAB Date	Telephone #	City N. MONIDENCE	Poter,	MATIONAL MUIN	Co, Name	www.esslaboratory.com	Tel. (401) 461-7181 Fax (401) 461-4486	Division of Thielsch Engineering, Inc. 185 Frances Avenue, Cranston, RI 02	<b>ESS</b> Laboratory
Date/Time	Date/Time	]	No NA: {	No In	188 S-Sterile V-VOA								6:30 la	Collection Time	Fax #	Stare R	Harley	5		<b>ц</b>	ax (401) 461-44	ngineering, Inc. Franston, RI 029	atory
Received by: (Signature)	Received 6 (Signature)	] Technicians C	] Pickup	Internal Use OnlyP	Matrix: S-Soil SD-Solid						1-1008	10	YW 58 Cepital	GRAB MATRIX		, a	Address 58 C		Project #	Is this MA-N	· · · · · · · · · · · · · · · · · · ·	<b>1</b>	
Date/Time	Date/Time	Comments:	Sampled by:	reservation Code: 1-NP, 2	olid D-Sludge WW-Waste Water								uten Dr.	Sample Identification (20 Chan or less)	Email Address	L	CARITOL VIEW DR	encronchment	Project Name (20 Chas. or less)	Is this project for any of the following: MA-MCP Navy USACE	State where samples were collected from: MA (R) CT NH NJ NY	Turn Time <u>Standard</u> Other If faster than 5 days, prior approval by laboratory is required	CHAI
Relinquished by: (Signature)	Relinquished by: (Signature)			2- HCl, 3- H2SO4, 4- HN	te Water GW-Ground Water				•				N.P.	Pres Code Numbe				14	. or less)	SACE	i trom: NY ME Other	ird Other I by laboratory is required	CHAIN OF C
<u> </u>				O3, S- NAOH	1			 					X S	Type of PC		iners						[#	
Date/Time	Date/Time			l, 6- MeOH,	SW-Surface Water			 												Format	Electron	Reporting Limits	USTODY
Received by: (Signature)	Received by: (Signature)			Preservation Code: 1- NP, 2- HCl, 3- HaSO4, 4- HNO3, 5- NaOH, 6- McOH, 7- Asorbic Acid, 8- ZnAct, 9-	DW-Drinking Water O-Oil														Write Required Analysis	ccessPDF	Electronic Deliverable Yes	2	P
Date/Time	Dare/Time				W-Wipes F-Filters		·								·····				S	Other		ESS LAB PROJECT ID	of

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### ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

# INVOICE

	Unit Cost Quantity	<b>Rush Surcharge</b>	Extended Cost
Analysis	YY 4 - 2		
Date: 01/22/08			
PO Number: 0000001977			
Client Project Number: N/A			
Client Project: Encroachment			
Contact: Pete Harley			
Attention: Accounts Payable			
Syracuse, NY 13202-000			
300 Erie Boulevard West		Work Order: 0801186	j -
To: National Grid Company			

PCB Wipes by 8082 - Wipe	Unit Cost	Quantity	Rush Surcharge	Extended Cost
•	<b>\$93.</b> 75	1	0%	\$93.75
Invoice Total:				\$93.75

This invoice reflects the following discount off of our standard price list: 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0801186

Please fax all changes to Chain of Custody in writing.

*By circling MA-MCP, client acknowledges samples were collected

								7				•			Ρ	age 4	47 of	85			
Relinquished by: (Signature)	01 14 08	Cooler Temp: LALA YAQ. [] Technicians	Scals Intact Yes No NA: [] Pickup	Cooler Present Yes VNo Internal Use Only	Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil S					Gowld .	) 01/14/00 7:45 X W 96	ESS LAB     Date     Collection       Sample#      Time       GRAB	ue≯	City E. PROVIDENCE State R.T. Zip	Inter 76	2 (maro	Co. Name Project #			Division of Thielsch Engineering, Inc.	1
ture) Lare, the Aemidusted S.	Date/Time	Comments:	Sampled by:	Preservation Code: 1- NP, 2- HCl, 3- HaSO,	SD-Solid D-Sludge WW-Waste Water GW-Gro						Leng St E. Prov 1	Sample Identification (20 Char. or lass) Pres de Co	Email Address	PO#	LENA ST	100064879 ENCROACHARENT	Project Name (20 Char. or fess)	ct for any of the following: Navy USACE	State where samples were collected from: MA (T) CT NH NJ NY ME C	Turn Time (Standard) Utner If faster than 5 days, prior approval by laboratory is required #	CHAIN OF
(amerikic)	-	1		4- HNO3, 5- NaOH	GW-Ground Water SW-Su		 				6- 64 ×	Number Type of PC B	Conta		rs		, ,	Other	Other	squired #	IC
	Date/Time Ret			I, 6- MeOH, 7- As	SW-Surface Water DW-L	 ·	 		 									Format: Bxcel	Electronic Deliverable	Keporting Limits	STODY
	Received by: (Signature)			4- HNO, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9	DW-Drinking Water O-Oil V										······		Write Required Analysis	ocessPDF	iverable Yes		P
	Date/Inne				W-Wipes F-Filters		· · · ·											Other	No No		of

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### ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

### INVOICE

To: National Grid Company 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: Encroachment Client Project Number: 9000064879 PO Number: 0000001977 Date: 01/23/08 Work Order: 0801185

Analysis	Unit Cost	Quantity	Rush Surcharge	Extended Cost
PCB Wipes by 8082 - Wipe	\$93.75	1	0%	\$93.75
Invoice Total:				\$93.75

This invoice reflects the following discount off of our standard price list 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0801185

Please fax all changes to Chain of Custody in writing.

*By circling MA-MCP, client acknowledges samples were collected

Relinquished by: (Signature)	Relinquished by Signature)	Cooler Temp: 1114	Scals Intact	Cooler Present	Container Type: P-Polx						6001-1	ESS LAB Date Sample#	Telephone #	City ROUISENCE	Contact Person	Nataral	Co. Name	www.esslaboratory.com	Tel. (401) 461-71	Division of Thiels	ESS Lab
	Date/Time	EAP	Yes No NA: [	Yes I No I	G-Glass S-Sterile V-VOA						9 6SSpr	e Collection Time COMP	Fax #	CE State R.	Dein Amby	Gr. & Gas		y.com	Tel. (401) 461-7181 Fax (401) 461-4486	Division of Thielsch Engineering, Inc.	aboratory
Sceived by: (Signature)	Received by: (Signature)	] Technicians Co	] Pickup Sa	Internal Use Only Pt	A Matrix: S-Soil SD-Solid					2.18	XW 36	GRAB MATRIX		- I Zip 202903	Address 36 H		Project #	Is this MA-M	r		1
	Date/Time	Comments:	Sampled by:	Preservation Code: 1- NP, 2- HCl, 3- HASO4, 4- HNO5, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-	lid D-Sludge WW-Waste Water						Hem Lock 51 f	Sample Identification (20 Char. or less)	Email Address	0'3 PO#	HEMLOCK 5	Han lack	Project Name (20 Chas. or less)	ls this project for any of the following: MA-MCP Navy USACE	State where samples were collected from: MA RI CT NH NJ NY	Turn Time If faster than 5 days, prior approval by laboratory is required	CHAI
Relinquished by: (Signature)	Relinquished by: (Signature)			HCI, 3- HASO4, 4- HNO4,	Water GW-Ground Water		 				Prov.	Pres Code Number			7	t.	ar less)			by laboratory is required #	NOFO
Date/Time	Date/Time			, 5- NaOH, 6- MeOH, 7-	SW-Surface Water						5	Type of PC B		iners				Format: F	Electronic Deliverable	[#] Reporting Limits	YDOLSN:
Received by: (Signature)	Received by: (Signature)			Asorbic Acid, 8- ZnAct, 9	DW-Drinking Water O-Oil												Write Required Analysis	ExcelAccessPDF	Deliverable Yos	•	đ
Date/Time	Date/Time			9	W-Wipes F-Filters												sis	Other	XOUX4	ESS LAB PROJECT ID	yeof

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### ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

# INVOICE

To: National Grid Company 300 Erie Boulevard West Svracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: Hemlock Street Client Project Number: N/A PO Number: 0000001977 Date: 01/22/08 Unit Cost Quantity Rush Surcharge Extended

	Unit Cost	Quantity	Rush Surcharge	Extended Cost
PCB Wipes by 8082 - Wipe	<b>\$9</b> 3.75	1	0%	\$93.75
Invoice Total:				\$93.75

This invoice reflects the following discount off of our standard price list: 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0801184

REMIT TO: THIELSCH ENGINEERING, INC. - P.O. BOX 845327 - BOSTON, MA 02284-5327 For additional services, please call: (401) 461-7181 Federal ID: 050405629

1 (White) Lab Copy 2 (Tellow) Client Receipt

Please fax all changes to Chain of Custody in writing.

*By circling MA-MCP, client acknowledges samples were collected

Relinquished by (Signature) Date/Time Received by Much The Date/Time Referred by Relinquished by: (Signature) Date/Time Referred by	Cooler Temp: 5.2 [ ] Technicians	Scals Intact Yes No NA: [ ] Pickup	Cooler Present No Internal Use Only	Container Type: P-Poly C-Giass S-Sterile V-VOA Matrix: S					· / a   / 5/ 5/ 1	BSS LAB Date Collection Sample# Collection GRAB MATRIX	22	2	KAVEL	AL GRO GAS	Co. Name	www.esslaboratory.com	Tel. (401) 461-7181 Fax (401) 461-4486	Division of Thielsch Engineering, Inc. 185 Frances Avenue Cranston, RI 02910-2211	ESS Laboratory
Received By: (Signature) Date/Time Relinquished by: (Signature) ACALALLO 1-2-08 1134/5 Referved by: (Signature) Date/Time Relinquished by: (Signature)	Comments:	Sampled by:	Only Preservation Code: 1- NP, 2- HCl, 3- HiSO,, 4- HNO, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-	S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water					SI HADTAR ME RON/	Sample Identification (20 Char. or less) Pres Code Numbe; Type of			Address 477 DEXTER ST.	SII HARTIGRO ANTE.	- 1	Is this project for any of the following: MA-MCP Navy USACE		,	CHAIN OF CU
Date/Time     Received by: (Signature)     Date/Time       Date/Time     Received by: (Signature)     Date/Time			- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9	SW-Surface Water DW-Drinking Water O-Oil W-Wipes						. <i>PCB</i>	·····				Write Required Analysis	Format: Excel_Access_PDP_Other_	Electronic Deliverable Yes No	Reporting Limits ESS LAB PROJECT	CUSTODY Page of

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Work Order: 0801011

### ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

## **INVOICE**

To: National Grid Company 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Bill Howard Client Project: 511 Hartford Ave Client Project Number: N/A PO Number: 0000001977 Date: 01/10/08

AnalysisUnit CostQuantityRush SurchargeExtended CostPCB Wipes by 8082 - Wipe\$104.0010%\$104.00Invoice Total:\$104.001\$104.00

This invoice reflects the following discount off of our standard price list: 25%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0801011

REMIT TO: THIELSCH ENGINEERING, INC. - P.O. BOX 845327 - BOSTON, MA 02284-5327 For additional services, please call: (401) 461-7181 Federal ID: 050405629

1 (White) Lab Copy 2 (Yellow) Client Receipt

Please fax all changes to Chain of Custody in writing.

*By cirching MA-MCP, client acknowledges samples were collected

Relinquished by: (Signature) Date/ Ime Received by: (Signature) Relinquished by: (Signature) Date/Time Received by: (Signature)		Seals Intact Yes No NA: [] Pickup	Cooler Present Ves No Internal Use Only	Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil					1 1-20,5 W 1 1-20,50 80-86-1	ESS LAB Date Collection P Sample# Time COMP GRAB MATRIX	Telephone # 1401.255.5195 Fax #	ce sure RT	Contact Person Peter Howley Address	National Grib Gas	Co. Name Project #	www.esslaboratory.com	185 Frances Avenue, Cranston, RI 02910-2211 Tel. (401) 461-7181 Fax (401) 461-4486	Division of Thielsch Engineering, Inc.	ESS Laboratory
(Signature) Date: Titute Networkshow Oy. (Signature) Date: Time Relinquished by: (Signature)	Comments:	Sampled by:	Preservation Code: 1-NP, 2- HCI, 3-H:SOs, 4- HNOs, 5- NaOH, 6- M&OH, 7- Asorbic Acid, 8- ZnAct, 9-	SD-Solid D-Shudge WW-Waste Water GW-Ground Water					51 Smith St Pravioure 9 16	<b>_</b>	Email Address er of C		Dexter St	2051 Smith St		SACE	State where samples were collected from: MA (RI) CT NH NI NY ME Other	Turn Time Khandard Other	V OF (
Date/Time Received by: (Signature)			NaOH, 6- MeOH, 7- Asorbic Acid, 8	SW-Surface Water DW-Drinking Water							3				Write Requi	Format: Excel Access	Electronic Deliverable	Reporting Limits	CUSTODY
	investion) Duro Trime		8- ZnAct, 9- <u>HEXape</u>	0-0il (								······			Write Required Analysis	PDF Other	10×0133/	ESS LAB PROJECT ID	Page of

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### ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

# INVOICE

To: National Grid Company 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: 2051 Smith Street Client Project Number: N/A PO Number: 0000001977 Date: 02/06/08

Work Order: 0801337

Analysis	Unit Cost	Quantity	Rush Surcharge	Extended Cost
PCB Wipes by 8082 - Wipe	\$93.75	1	0%	\$93.75
Invoice Total:				\$93.75

This invoice reflects the following discount off of our standard price list 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0801337

REMIT TO: THIELSCH ENGINEERING, INC. - P.O. BOX 845327 - BOSTON, MA 02284-5327 For additional services, please call: (401) 461-7181 Federal ID: 050405629

1 (White) Lab Copy 2 (Yellow) Client Receipt

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Please fax all changes to Chain of Custody in writing.

*By circling MA-MCP, client acknowledges samples were collected

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Relinquished by: (Signature)	Kelinghished by: (Signature)	Cooler Temp: 4.3	Seals Intact	Cooler Present	Container Type: J			 						t i	Telephone #	City Providence	Contact Person Peter Harley	MAt-ional	Co. Name	www.esslaboratory.com	Tel. (401) 461-7181 Fax (401) 461-4486	Division of Thielsch Engineering, Inc.	ESS Laboratory
			Yes -	KYes -	P-Poly G-Glas	÷ .	 	 					1-29-08	Date	579	ence	Harle	al Grip	-	ratory.com	Avenue, C1 1-7181 Fa	Thielsch Eng	abora
Date/Time	-30-03 9;50		_ No NA:	No	G-Glass S-Sterile V-V							   	6:00Pm	Collection Time	5 Fax #	Z ares		in Gas	•		ax (401) 461	ineering, In	tory
	AN Receive	[ ] Technicians	[ ] Pickup	Internal Use Only	V-VOA Matrix: S-		 	 					XWBY	COMP GRAB MATRIX		Ĥ	Adı		Pro		02710-2211 [-4486	5.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	• .
eceived by: (Signature)	ed by: (Signature)	. 	Samp	r	S-Soil SD-Solid								349/Manton	Sample I		0680	Address The		Project #	Is this proj MA-MCP	State where	Turn Time	
Date/Time	Date/Time 1-30-08   0950	Comments:	Sampled by:	Preservation Code: 1- NP, 2- HCl, 3- HsCo, 4- HNO3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct	D-Sludge WW-W;								Alle	Sample Identification (20 Chas or loss)	Email Address	PO#	Dexter St	349 Menton.	Project Name (20 Chat. or less)	Is this project for any of the following: MA-MCP Navy USACE	State where samples were collected from: MA RT CT NH NI NY	Turn Time K Standard Other If faster than 5 days prior approval by laboratory is required #	CHAIN
Relinquished by: (Si	→ Relinquished by: (Si			2- HCl, 3- H-SO4,	WW-Waste Water GW-Gro			 •					providence 9	Pres Code				on Ave	har. or less)	SACE	ted from:	idard Other	IN OF
: (Signature)	: (Signature)			4- HNO3, 5- Na	GW-Ground Water SW			 ······					162	Number Type of	Conta		1 rs	L		Other	Other	rennired #	-
Date/Time	Date/Time			10H, 6- McOH,	SW-Surface Water			 						PCI	5					Format:		Reporting Limits	CUSTODY
Received by: (Signature)	Received by: (Signature)			7- Asorbic Acid, i	DW-Drinking Water								· · · · · · · · · · · · · · · · · · ·						Write Requ	Format: ExcelAccess		g Linuits	Y
ignature)	ignature)			$\bigcirc$	5							 					·····		Write Required Analysis	PDF		ESSLAI	Page
Date/Time 	Date/Time			HEXanc	0-0il W.Wipes F-Filters			 		 	· ·						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			Other	1001	ESS LAB PROJECT ID	of

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### ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

# INVOICE

To: National Grid Company 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: 349 Manton Avenue Client Project Number: N/A PO Number: 0000001977 Date: 02/06/08

Work Order: 0801351

Analysis	Unit Cost	Quantity	Rush Surcharge	Extended Cost
PCB Wipes by 8082 - Wipe	\$93.75	1	0%	\$93.75
Invoice Total:				\$93.75

This invoice reflects the following discount off of our standard price list 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0801351

REMIT TO: THIELSCH ENGINEERING, INC. - P.O. BOX 845327 - BOSTON, MA 02284-5327 For additional services, please call: (401) 461-7181 Federal ID: 050405629

1 (White) Lab Copy 2 (Yellow) Client Receipt

Please fax all changes to Chain of Custody in writing.

*By circling MA-MCP, client acknowledges samples were collected

Relinquished by: (Signature) Date/Lune Reco March March 2 - 15-CS 10::30 Relinquished by: (Signature) Date/Lime Reco		Seals Intact Yes No NA: [] Pickup	N	Container Type: P-Poly G-Glass S-Szerile V-VOA Ma						1 2-14-08 16:00	Collection Time COMP GRAB	Telephone # 401 255 5195 Fax #	City Providence State RI	Connact Person Peter Harley	NAtional Grid Gas	_	www.esslaboratory.com	Tel. (401) 461-7181 Fax (401) 461-4486	Division of Thielsch Engineering, Inc. 185 Frances Avenue Cranston BI 02010	ESS Laboratory
Received by: (Signature) State Aime Kelinquished by: (Signature) Signature) Signature) Date/Time Relinquished by: (Signature) Relinquis	Comments:	kup Sampled by:	Internal Use Only Preservation Code: 1-NP, 2-HCI, 3-H:SO., 4-HNO, 5-NaOH	Matrix: S-Soil SD-Solid ID-Sludge WW-Waste Water GW-Ground Water SW-Su				2-15-08	470	W 4 Fowler St Providence 9/1 GX	MATRIX Sample Identification (20 Chat. or less) Pres Code Numbe Type of PC E	Conta	~	Address 477 Dexter St	4 fowler St.	Project # Project Name (20 Chat. or less)	Is this project for any of the following: MA-MCP Navy USACE		7211 If faster than 5 days, prior approval by laboratory is required #	CF
Date/Time Received by: (Signature) Date/Time Date/Time Received by: (Signature) Date/Time			5- NaOH, 6- MEOH, 7- Asorbic Acid 8- ZnAct ( ) HCKart	SW-Surface Water DW-Drinking Water O-Oil W.Wines H-Filters												Write Required Analysis	ccess PDF Oth	Flormin Deliverity Yes No	Reporting Linuts ESS LAB PROJECT ID	P DY

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Work Order: 0802179

### ESS LABORATORY Division of THIELSCH ENGINEERING, INC. 185 Frances Avenue Cranston, Rhode Island 02910-2211

## INVOICE

To: National Grid Company 300 Erie Boulevard West Syracuse, NY 13202-000 Attention: Accounts Payable Contact: Pete Harley Client Project: 4 Fowler Street Client Project Number: N/A PO Number: 0000001977 Date: 02/21/08

AnalysisUnit CostQuantityRush SurchargeExtended CostPCB Wipes by 8082 - Wipe\$93.7510%\$93.75Invoice Total:\$93.7510%\$93.75

This invoice reflects the following discount off of our standard price list 25.0%

Terms: Net 30 Days 1.5% Monthly Finance Rate

0802179

REMIT TO: THIELSCH ENGINEERING, INC. - P.O. BOX 845327 - BOSTON, MA 02284-5327 For additional services, please call: (401) 461-7181 Federal ID: 050405629

Attachment to DIV 1-10 Docket 3977 Page 59 of 85

### OFFICE:

Clean Harbors Env Services Inc 609 Pleasant Street East Weymouth, MA 02189 (781) 803-4100

If you have any questions regarding this invoice, please contact your customer service representative at the telephone number listed above

JOB SITE/GENERATOR: Narragansett Electric Company 642 Allens Avenue Providence,RI 02905

 Job Description: Pipe Soaking Project Providence Can to Everett

 Job Date
 Invoice No
 Customer
 Sales Order
 Purchase Order

NAR100

Last Job Date	Task	Task Type	Description		Total
09 May 2008	SB1900832-001	GENERAL	Pipe Soaking Project Providence Can		\$4,310.49
				SUBTOTAL	\$4,310.49
				ТАХ	\$0.00
				INVOICE TOTAL	\$4,310.49

SB1900832

0000001632

### **REMIT TO:**

09 May 2008

Clean Harbors Env. Services PO Box 3442 Boston, MA 02241-3442

> SOLD TO: Peter Harley Narragansett Electric Company Accounts Payable Department, C-1 300 Erie Boulevard West Syracuse,NY 13202- 0000

> > SB0821132



** Payable in USD funds ** Terms 2%10 NET 30 DAYS



#### TASK SB1900832-001 - Pipe Soaking Project Providence Can

Manifest	Item ID	Description	Manifest	Manifest Billing	Billing	Unit	Amount
Info			Qty	UOM Qty	UOM	Price	
		02 May 3	2008				
		•	2000			- /	<b>*</b> - <b>-</b>
	TRACTROLL	Tractor w/Rolloff Trailer		5.000	HR	54.0000	\$270.00
	TKPU	Pickup/Van/Car/Crew Cab		1.000	DAY	75.0000	\$75.00
	FOR	Foreman		5.000	HR	45.0000	\$225.00
	EO	Equipment Operator		5.000	HR	40.0000	\$200.00
		05 May 2	2008				
	TKPU	Pickup/Van/Car/Crew Cab		1.000	DAY	75.0000	\$75.00
	TRACTROLL	Tractor w/Rolloff Trailer		6.000	HR	54.0000	\$324.00
	BACK1YD	Backhoe Loader, 1 Yard Bucket		4.000	HR	79.0000	\$316.00
	FOR	Foreman		5.000	HR	45.0000	\$225.00
	FT	Field Technician		4.000	HR	40.0000	\$160.00
	EO	Equipment Operator		6.000	HR	40.0000	\$240.00
		07 May :	2008				
	TRACTROLL	Tractor w/Rolloff Trailer		3.000	HR	54.0000	\$162.00
	PUMPTRASH	3 3in Trash Pump		0.500	DAY	115.0000	\$57.50
	BACK1YD	Backhoe Loader, 1 Yard Bucket		4.000	HR	79.0000	\$316.00
	TKPU	Pickup/Van/Car/Crew Cab		1.000	DAY	75.0000	\$75.00
	FOR	Foreman		10.000	HR	45.0000	\$450.00
	FT	Field Technician		10.000	HR	40.0000	\$400.00
	EO	Equipment Operator		3.000	HR	40.0000	\$120.00
		09 May 3	2008				
	TRACTROLL	Tractor w/Rolloff Trailer	-	4.000	HR	54.0000	\$216.00
	EO	Equipment Operator		4.000	HR	40.0000	\$216.00 \$160.00
	FEE	Recovery Fee		4,066.500	EA	40.0000	\$160.00 \$243.99
		······································		.,		BTOTAL	\$4,310.49
						ΤΑΧ	\$0.00
					TASK	TOTAL	\$4,310.49

Attachment to DIV 1-10 Docket 3977 Page 61 of 85

### **OFFICE:**

**Clean Harbors Env Services Inc** 609 Pleasant Street East Weymouth, MA 02189 (781) 803-4100

If you have any questions regarding this invoice, please contact your customer service representative at the telephone number listed above

** Payable in USD funds **

JOB SITE/GENERATOR: Narragansett Electric Company 642 Allens Avenue Providence, RI 02905

Job Date	Invoice No	Customer	Sales Order	Purchase Order	Terms
03 Jun 2008	SB0838087	NAR100	SB1923605	000001632	2%10 NET 30 DAYS

Total		Description	Task Type	Task	Last Job Date
\$4,860.10		Pipe Soaking Project Providence Can	GENERAL	SB1923605-001	03 Jun 2008
\$4,860.10	SUBTOTAL				
\$0.00	ТАХ				
\$4,860.10	INVOICE TOTAL				



### **REMIT TO:**

Clean Harbors Env. Services PO Box 3442 Boston, MA 02241-3442

> SOLD TO: Peter Harley Narragansett Electric Company Accounts Payable Department, C-1 300 Erie Boulevard West Syracuse,NY 13202-0000



#### TASK SB1923605-001 - Pipe Soaking Project Providence Can

Manifest	Item ID	Description	Manifest	Manifest Billing	Billing	Unit	Amount
nfo			Qty	UOM Qty	UOM	Price	
		22 May 20	008			- /	<b>Aa</b> / <b>a a</b>
	TRACTROLL	Tractor w/Rolloff Trailer		4.000	HR	54.0000	\$216.0
	EO	Equipment Operator		4.000	HR	40.0000	\$160.00
		28 May 20	008				
	PCBOIL	PCB oil (method 8080 or 8081)		1.000	EA	109.0000	\$109.00
	TRACTROLL	Tractor w/Rolloff Trailer		4.000	HR	54.0000	\$216.00
	BACK1YD	Backhoe Loader, 1 Yard Bucket		4.000	HR	79.0000	\$316.0
	PUMPTRASH:	3 3in Trash Pump		0.500	DAY	115.0000	\$57.5
	TKPU	Pickup/Van/Car/Crew Cab		1.000	DAY	75.0000	\$75.0
	FOR	Foreman		6.000	HR	45.0000	\$270.00
	FT	Field Technician		6.000	HR	40.0000	\$240.00
	EO	Equipment Operator		4.000	HR	40.0000	\$160.00
	COURIER	SAMPLE PICK UP, COURIER		1.000	EA	90.0000	\$90.00
		SERVICE		4 000	-	100 0000	<b>*</b> 4 6 6 6
	SURCH24	SURCHARGE FOR EXPEDITED TURNAROUND - 24 HOURS		1.000	EA	109.0000	\$109.00
		29 May 20	008				
	PCBOIL	PCB oil (method 8080 or 8081)		1.000	EA	109.0000	\$109.00
	TKPU	Pickup/Van/Car/Crew Cab		1.000	DAY	75.0000	\$75.00
	BACK1YD	Backhoe Loader, 1 Yard Bucket		6.000	HR	79.0000	\$474.0
		3 3in Trash Pump		0.500	DAY	115.0000	\$57.5
	FOR	Foreman		10.000	HR	45.0000	\$450.00
	FT	Field Technician		10.000	HR	40.0000	\$400.0
	COURIER	SAMPLE PICK UP, COURIER		1.000	EA	90.0000	\$400.00
	COOKIEK	SERVICE			LA	90.0000	φ <del>9</del> 0.00
	SURCH24	SURCHARGE FOR EXPEDITED TURNAROUND - 24 HOURS		1.000	EA	109.0000	\$109.00
		30 May 20	008				
	TRACTROLL	Tractor w/Rolloff Trailer		3.000	HR	54.0000	\$162.00
	EO	Equipment Operator		2.000	HR	40.0000	\$80.00
	EOOT	Equipment Operator Overtime		1.000	HR	60.0000	\$60.00
		31 May 20	008				
	ROLLOFF	Rolloff Container with Tarp & Bows CHRT25733 (5/22-5/31)		10.000	DAY	15.0000	\$150.00
	LINRO	Rolloff Poly Liner		1.000	EA	68.0000	\$68.00
		03 Jun 20	008				
	TRACTROLL	Tractor w/Rolloff Trailer		3.000	HR	54.0000	\$162.00
	EO	Equipment Operator		3.000	HR	40.0000	\$120.00
	FEE	Recovery Fee		4,585.000	EA	0.0600	\$275.10
	_	- ,		.,		BTOTAL	\$4,860.10
					30		
						TAX	\$0.00
					TASP	( TOTAL	\$4,860.10

Attachment to DIV 1-10 Docket 3977 Page 63 of 85

#### **OFFICE:**

**Clean Harbors Env Services Inc** 609 Pleasant Street East Weymouth, MA 02189 (781) 803-4100

If you have any questions regarding this invoice, please contact your customer service representative at the telephone number listed above

**JOB SITE/GENERATOR:** Narragansett Electric Company 642 Allens Avenue Providence, RI 02905

Customer

NAR100

Invoice No

SB0830489

Narragansett Electric Company

300 Erie Boulevard West Syracuse,NY 13202-0000

Accounts Payable Department, C-1

Last Job Date	Task	Task Type	Description		Total
07 May 2008	SB1900832-001	GENERAL	Pipe Soaking Project Providence Can		\$362.52
				SUBTOTAL	\$362.52

Sales Order

SB1900832

Purchase Order

0000001632



### **REMIT TO:**

Job Date

07 May 2008

Clean Harbors Env. Services PO Box 3442 Boston, MA 02241-3442

SOLD TO:

Peter Harley

Terms

TAX

INVOICE TOTAL

** Payable in USD funds **

2%10 NET 30 DAYS

\$0.00

\$362.52

Page 1 of 2



#### TASK SB1900832-001 - Pipe Soaking Project Providence Can

Manifest Info	Item ID	Description	Manifest Qty	Manifest Billing UOM Qty	Billing UOM	Unit Price	Amount
		07 May 2008	i				
	PCB	PCB water or soil (method 608, 8080 or 8081)		1.000	EA	126.0000	\$126.00
	COURIER	SAMPLE PICK UP, COURIER SERVICE		1.000	EA	90.0000	\$90.00
	SURCH24	SURCHARGE FOR EXPEDITED TURNAROUND - 24 HOURS		1.000	EA	126.0000	\$126.00
	FEE	Recovery Fee		342.000	EA	0.0600	\$20.52
					SUBTOTAL TAX TASK TOTAL		\$362.52 \$0.00 \$362.52

Attachment to DIV 1-10 Docket 3977 Page 65 of 85

OFFICE:

Clean Harbors Env Services Inc 8 Dexter Road East Providence, RI 02914 (781) 792-5000

If you have any questions regarding this invoice, please contact your customer service representative at the telephone number listed above

NET 15 DAYS

Page 1 of 2

JOB SITE/GENERATOR: Narragansett Electric Company 4145 Quaker Lane North Kingstown,RI 02852

 Job Description: Mercury Regulator Testing
 ** Payable in USD funds **

 Job Date
 Invoice No
 Customer
 Sales Order
 Purchase Order
 Terms

RI1813387

Total		Description	Task Type	Task	Last Job Date
\$2,098.80		Mercury Regulator Testing	GENERAL	RI1813387-001	05 May 2008
\$2,098.80	SUBTOTAL				
\$0.00	ТАХ				
\$2,098.80	INVOICE TOTAL				

1632

### **REMIT TO:**

05 May 2008

Clean Harbors Env. Services PO Box 3442 Boston, MA 02241-3442

> SOLD TO: William Howard Narragansett Electric Company Accounts Payable Department, C-1 300 Erie Boulevard West Syracuse,NY 13202- 0000

> > RI0837437

NA9974



Order



#### TASK RI1813387-001 - Mercury Regulator Testing

Manifest Info	Item ID	Description	Manifest Qty	Manif UOM	est Billing Qty	Billing UOM	Unit Price	Amount
			Gly		Gty		THEE	
		10 Apr 2008						
BOL113887 1	DISPSL / CHG-2	mercury containing devises - Universal waste CH86197NK	1	05DF	1.000	05DF	290.0000	\$290.00
		11 Apr 2008						
BOL113888 1	DISPSL / CHG-2	mercury containing devises - Universal waste CH86197NK	1	05DF	1.000	05DF	290.0000	\$290.00
		14 Apr 2008						
BOL113889 1	DISPSL / CHG-2	mercury containing devises - Universal waste CH86197NK	1	05DF	1.000	05DF	290.0000	\$290.00
BOL113890 1	DISPSL / CHG-2	mercury containing devises - Universal waste CH86197NK	1	05DF	1.000	05DF	290.0000	\$290.00
		15 Apr 2008						
BOL113891 1	DISPSL / CHG-2	mercury containing devises - Universal waste CH86197NK	1	05DF	1.000	05DF	290.0000	\$290.00
		16 Apr 2008						
BOL113892 1	DISPSL / CHG-2	mercury containing devises - Universal waste CH86197NK	1	05DF	1.000	05DF	290.0000	\$290.00
		05 May 2008	3					
	TKUTIL EO FEE	Stake Body/Utility Truck Equipment Operator Recovery Fee			4.000 4.000 1,980.000	HR HR EA	20.0000 40.0000 0.0600	\$80.00 \$160.00 <u>\$118.80</u>
							BTOTAL	\$2,098.80
						TASK	TAX ( TOTAL	\$0.00 \$2,098.80

Attachment to DIV 1-10 Docket 3977 Page 67 of 85

### **OFFICE:**

**Clean Harbors Env Services Inc** 8 Dexter Road East Providence, RI 02914 (781) 792-5000

If you have any questions regarding this invoice, please contact your customer service representative at the telephone number listed above

** Payable in USD funds **

Terms

NET 15 DAYS

**JOB SITE/GENERATOR:** Narragansett Electric Company 642 Allens Avenue Providence, RI 02905

300 Erie Boulevard West Syracuse,NY 13202-0000

Job Description: Drop Can# CHRT25729 for	Future Disposal
------------------------------------------	-----------------

Customer

NAR100

Narragansett Electric Company

Accounts Payable Department, C-1

### J **Invoice No**

RI0820531

-			

Purchase Order

0000001632

Sales Order

RI1854906

Total	Description	Task Type	Task	Last Job Date
\$697.48	Drop Can#CHRT25729 for Future Disposal	GENERAL	RI1854906-001	04 Apr 2008
\$5,102.64	Disposal to BR	DISPOSAL	RI1854906-002	04 Apr 2008
\$5,800.12	SUBTOTAL			
\$0.00	ТАХ			
\$5,800.12	INVOICE TOTAL			



### **REMIT TO:**

Job Date

04 Apr 2008

Clean Harbors Env. Services PO Box 3442 Boston, MA 02241-3442

SOLD TO:

Peter Harley



#### TASK RI1854906-001 - Drop Can#CHRT25729 for Future Disposal

Manifest	Item ID	Description		Manifest	Manif	est Billing	Billing	Unit	Amount
Info				Qty	UOM	Qty	UOM	Price	
			07 Mar 2008						
	TRACTROLL	Tractor w/Rolloff Trailer				1.000	HR	54.0000	\$54.00
	EO	Equipment Operator				1.000	HR	40.0000	\$40.00
			04 Apr 2008						
	TRACTROLL	Tractor w/Rolloff Trailer	-			6.000	HR	54.0000	\$324.00
	EO	Equipment Operator				6.000	HR	40.0000	\$240.00
	FEE	Recovery Fee				658.000	EA	0.0600	\$39.48
							SUI	BTOTAL	\$697.48
								ТАХ	\$0.00
							TASK	TOTAL	\$697.48
TASK RI1854906-0	02 - Disposal to BR								
Manifest	Item ID	Description		Manifest		est Billing	Billing	Unit	Amount
Info				Qty	UOM	Qty	UOM	Price	
			04 5-4 0000						
			21 Feb 2008						•
	LINRO	Rolloff Poly Liner CHRT25729				1.000	EA	68.0000	\$68.00
		0111120120							
			01 Apr 2008						
	ROLLOFF	Rolloff Container with Tar	•			44.000	DAY	15.0000	\$660.00
		CHRT25729	p a 20110				2711	1010000	<i><i><i>qccccccccccccc</i></i></i>
		(2/21-4/4)							
			04 Apr 2008						
									•
001882608FLE 1	DISPSL / CHSL	PCB SOLIDS UNDER500 U50615B_R006	) PPM PCB'S	4	TON	8.150	TON	380.0000	\$3,097.00
1	FEE-DOWN	NY Town Host Tax				3,097.000	%	0.0600	\$185.82
	FEE-TRAN	Rhode Island Hazardous	Waste			16,266.800	P	0.0230	\$374.14
		Transporters Fee				,			¥ -
	FEE-TRAN	Massachusetts Transporte	ers Fee			7,394.000	К	0.0580	\$428.85
	FEE	Recovery Fee				4,813.810	EA	0.0600	\$288.83
							SUI	BTOTAL	\$5,102.64
								ΤΑΧ	\$0.00

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#### OFFICE:

Clean Harbors Env Services Inc 8 Dexter Road East Providence, RI 02914 (781) 792-5000

If you have any questions regarding this invoice, please contact your customer service representative at the telephone number listed above

JOB SITE/GENERATOR: Narragansett Electric Company 642 Allens Avenue Providence, RI 02905

#### Job Description: Drop Rolloff for PCB Disposal

#### ** Payable in USD funds **

Page 1 of 2

Job Date	Invoice No	Customer	Sales Order	Purchase Order	Terms
04 Jun 2007	RI0786651	NAR100	RI1454624	000001632	NET 15 DAYS

Last Job Date	Task	Task Type	Description		Total
04 Jun 2007	RI1454624-001	GENERAL	Labor and Equipment		\$1,239.32
01 Jun 2007	RI1454624-002	DISPOSAL	Disposal of PCB Solids		\$1,017.54
				SUBTOTAL	\$2,256.86
				ТАХ	\$0.00
				INVOICE TOTAL	\$2,256.86



### **REMIT TO:**

Clean Harbors Env. Services PO Box 3442 Boston, MA 02241-3442

> SOLD TO: Peter Harley Narragansett Electric Company Accounts Payable Department, C-1 300 Erie Boulevard West Syracuse, NY 13202 - 0000



#### TASK RI1454624-001 - Labor and Equipment

Manifest	Item ID	Description	Manifest	Manife	est Billing	Billing	Unit	Amount
Info			Qty	UOM	Qty	UOM	Price	
		25 Apr 2007	,					
	TRACTROUL	•			4 000		54 0000	¢004.00
	TRACTROLL	Tractor w/Rolloff Trailer			4.000	HR DAY	51.0000	\$204.00
	ROLLOFF	Rolloff Container with Tarp & Bows R25919RT (4/25-6/1)			38.000	DAY	10.0000	\$380.0
	EO	Equipment Operator			4.000	HR	39.0000	\$156.00
	LINRO	Rolloff Poly Liner			1.000	EA	65.0000	\$65.0
		01 Jun 200	,					
	TRACTROLL	Tractor w/Rolloff Trailer			4.000	HR	51.0000	\$204.00
	EO	Equipment Operator			0.500	HR	39.0000	\$19.50
	EOOT	Equipment Operator Overtime			3.500	HR	55.0000	\$192.50
		04 Jun 200	,					
	DEMOBILIZE	DEMOBILIZE			4.000	HR	0.0000	\$0.00
						EA	0.0000	\$18.32
	FFF	Recovery Fee			1 221 000	FA	0.01.50	
	FEE	Recovery Fee			1,221.000			
	FEE	Recovery Fee			1,221.000		BTOTAL	\$1,239.32
	FEE	Recovery Fee			1,221.000	SUI	BTOTAL TAX	\$1,239.32 \$0.00
TASK RI1454624-0	FEE 02 - Disposal of PCI				1,221.000	SUI	BTOTAL	\$1,239.32
TASK RI1454624-0 Manifest		B Solids	Manifest	Manife		SUI	BTOTAL TAX CTOTAL	\$1,239.32 \$0.00
	02 - Disposal of PCI		Manifest Qty	Manife UOM	est Billing Qty	SUI TASK	BTOTAL TAX CTOTAL	\$1,239.32 \$0.0( \$1,239.32
Manifest	02 - Disposal of PCI	B Solids Description	Qty		est Billing	SUI TASK Billing	BTOTAL TAX TOTAL Unit	\$1,239.32 \$0.0( \$1,239.32
Manifest	02 - Disposal of PCI	B Solids	Qty		est Billing	SUI TASK Billing	BTOTAL TAX TOTAL Unit	\$1,239.32 \$0.0( \$1,239.32
Manifest	02 - Disposal of PCI	B Solids Description	Qty		est Billing	SUI TASK Billing	BTOTAL TAX TOTAL Unit	\$1,239.32 \$0.0( \$1,239.32
Manifest Info 001211263FLE	02 - Disposal of PCI Item ID DISPSL /	B Solids Description 01 Jun 2007 PCB SOLIDS UNDER500 PPM PCB'S	Qty	UOM	est Billing Qty	SUI TASK Billing UOM	BTOTAL TAX TOTAL Unit Price	\$1,239.3; \$0.0( \$1,239.3; Amount \$638.4(
Manifest Info 001211263FLE	02 - Disposal of PCI Item ID DISPSL / CHSL	B Solids Description 01 Jun 2007 PCB SOLIDS UNDER500 PPM PCB'S U50615B_R006	Qty	UOM	est Billing Qty 1.680	SUI TASK Billing UOM	STOTAL TAX TOTAL Unit Price 380.0000	\$1,239.32 \$0.00 \$1,239.32 Amount
Manifest Info 001211263FLE	02 - Disposal of PCI Item ID DISPSL / CHSL FEE-DOWN	B Solids Description 01 Jun 2007 PCB SOLIDS UNDER500 PPM PCB'S U50615B_R006 NY Town Host Tax Rhode Island Hazardous Waste	Qty	UOM	est Billing Qty 1.680 638.400	SUI TASK Billing UOM TON	STOTAL TAX TOTAL Unit Price 380.0000 0.0600	\$1,239.32 \$0.00 \$1,239.32 Amount \$638.40 \$38.30
Manifest Info 001211263FLE	02 - Disposal of PCI Item ID DISPSL / CHSL FEE-DOWN FEE-TRAN	B Solids Description 01 Jun 2007 PCB SOLIDS UNDER500 PPM PCB'S U50615B_R006 NY Town Host Tax Rhode Island Hazardous Waste Transporters Fee	Qty 5	UOM	est Billing Qty 1.680 638.400 6,600.000	SUI TASK Billing UOM TON	380.0000 0.0600 0.0230	\$1,239.3; \$0.00 \$1,239.3; Amount \$638.40 \$38.30 \$151.80 \$174.00
Manifest Info 001211263FLE	02 - Disposal of PCI Item ID DISPSL / CHSL FEE-DOWN FEE-TRAN FEE-TRAN	B Solids Description 01 Jun 2007 PCB SOLIDS UNDER500 PPM PCB'S U50615B_R006 NY Town Host Tax Rhode Island Hazardous Waste Transporters Fee Massachusetts Transporters Fee Washout of Rolloff, Intermodal or Dump	Qty 5	UOM	est Billing Qty 1.680 638.400 6,600.000 3,000.000	SUI TASK Billing UOM TON % P K	380.0000 0.0600 0.0580	\$1,239.32 \$0.00 \$1,239.32 Amount \$638.40 \$38.30 \$151.80
Manifest Info 001211263FLE	02 - Disposal of PCI Item ID DISPSL / CHSL FEE-DOWN FEE-TRAN FEE-TRAN ROLLWASH	B Solids Description 01 Jun 2007 PCB SOLIDS UNDER500 PPM PCB'S U50615B_R006 NY Town Host Tax Rhode Island Hazardous Waste Transporters Fee Massachusetts Transporters Fee Washout of Rolloff, Intermodal or Dump Trailer	Qty 5	UOM	est Billing Qty 1.680 638.400 6,600.000 3,000.000 1.000	SUI TASK Billing UOM TON % P K EA EA	380.0000 0.0600 0.0230 0.0580 0.0000	\$1,239.32 \$0.00 \$1,239.32 Amount \$638.40 \$38.30 \$151.80 \$174.00 \$0.00
Manifest Info 001211263FLE	02 - Disposal of PCI Item ID DISPSL / CHSL FEE-DOWN FEE-TRAN FEE-TRAN ROLLWASH	B Solids Description 01 Jun 2007 PCB SOLIDS UNDER500 PPM PCB'S U50615B_R006 NY Town Host Tax Rhode Island Hazardous Waste Transporters Fee Massachusetts Transporters Fee Washout of Rolloff, Intermodal or Dump Trailer	Qty 5	UOM	est Billing Qty 1.680 638.400 6,600.000 3,000.000 1.000	SUI TASK Billing UOM TON % P K EA EA	380.0000 0.0580 0.0150	\$1,239.32 \$0.00 \$1,239.32 Amount \$638.40 \$38.30 \$151.80 \$174.00 \$0.00 \$15.04

Attachment to DIV 1-10 Docket 3977 Page 71 of 85

### OFFICE:

Clean Harbors Env Services Inc 8 Dexter Road East Providence, RI 02914 (781) 792-5000

If you have any questions regarding this invoice, please contact your customer service representative at the telephone number listed above

JOB SITE/GENERATOR: Narragansett Electric Company 642 Allens Avenue Providence, RI 02905

### Job Description: Drop Can for PCB Pipe Decon

#### ** Payable in USD funds **

09 Mar 2007 RI0728864R NAR100 RI1389399 0000001632 NET 15 DAYS	Job Date	Invoice No	Customer	Sales Order	Purchase Order	Terms
	09 Mar 2007	RI0728864R	NAR100	RI1389399	000001632	NET 15 DAYS

Last Job Date	Task	Task Type	Description		Total
09 Mar 2007	RI1389399-001	GENERAL	Labor and Equipment		\$548.10
09 Mar 2007	RI1389399-003	DISPOSAL	Disposal of PCB Solids		\$282.44
				SUBTOTAL	\$830.54
				ТАХ	\$0.00
				INVOICE TOTAL	\$830.54



### **REMIT TO:**

Clean Harbors Env. Services PO Box 3442 Boston, MA 02241-3442

> SOLD TO: Peter Harley Narragansett Electric Company Accounts Payable Department, C-1 300 Erie Boulevard West Syracuse, NY 13202 - 0000



#### TASK RI1389399-001 - Labor and Equipment

Manifest	Item ID	Description	Manifest	Manifes	t Billing	Billing	Unit	Amount
Info			Qty	UOM	Qty	UOM	Price	
		09 Mar 200	7					
	TRACTROLL	Tractor w/Rolloff Trailer			6.000	HR	51.0000	\$306.00
	EO	Equipment Operator			6.000	HR	39.0000	\$234.00
	FEE	Recovery Fee			540.000	EA	0.0150	\$8.10
						SU	BTOTAL	\$548.10
							ТАХ	\$0.00
						TASK	TOTAL	\$548.10
TASK RI1389399-00	3 - Disposal of PC	B Solids				-	-	
Manifest	Item ID	Description	Manifest	Manifes	t Billing	Billing	Unit	Amount
Info			Qty	UOM	Qty	UOM	Price	
		09 Feb 200	7					
	ROLLOFF	Rolloff Container with Tarp & Bows CHRT25332			9.000	DAY	10.0000	\$90.00
		(3/1-3/9)						
		09 Mar 200	7					
001211136FLE 1	DISPSL / CHSL	PCB SOLIDS UNDER500 PPM PCB'S U50615B_R006	1	TON	0.400	TON	380.0000	\$152.00
	FEE-DOWN	NY Town Host Tax			152.000	%	0.0600	\$9.12
	FEE-TRAN	Rhode Island Hazardous Waste Transporters Fee			550.000	Ρ	0.0230	\$12.65
					250.000	К	0.0580	\$14.50
	FEE-TRAN	Massachussetts Transporters Fee				••		
	FEE-TRAN FEE	Massachussetts Transporters Fee Recovery Fee			278.270	EA	0.0150	\$4.17
					278.270	EA		
					278.270	EA	0.0150	\$4.17 \$282.44 \$0.00

Attachment to DIV 1-10 Docket 3977 Page 73 of 85

#### **OFFICE:**

**Clean Harbors Env Services Inc** 8 Dexter Road East Providence, RI 02914 (781) 792-5000

If you have any questions regarding this invoice, please contact your customer service representative at the telephone number listed above

JOB SITE/GENERATOR: Narragansett Electric Company 642 Allens Avenue Providence, RI 02905

#### Job Description: Remove Rolloff and Drums of Waste

#### ** Payable in USD funds **

Job Date	Invoice No	Customer	Sales Order	Purchase Order	Terms
17 Aug 2007	RI0737924	NAR100	RI1570450	000001632	NET 15 DAYS

Last Job Date	Task	Task Type	Description		Total
17 Aug 2007	RI1570450-001	GENERAL	Labor and Equipment		\$1,400.70
17 Aug 2007	RI1570450-003	DISPOSAL	PCB Solids Disposal		\$2,292.81
16 Aug 2007	RI1570450-004	DRUM	Drum Disposal		\$547.89
				SUBTOTAL	\$4,241.40
				ТАХ	\$0.00
				INVOICE TOTAL	\$4,241.40



# **REMIT TO:**

Clean Harbors Env. Services PO Box 3442 Boston, MA 02241-3442

> SOLD TO: Peter Harley Narragansett Electric Company Accounts Payable Department, C-1 300 Erie Boulevard West Syracuse, NY 13202 - 0000



### TASK RI1570450-001 - Labor and Equipment

Manifest	Item ID	Description	Manifest	Manifes	st Billing	Billing	Unit	Amount
Info		Description	Qty	UOM	Qty	UOM	Price	Allouit
			QU		ay	00111	11100	
		16 Aug 200	7					
	TKBOX10	Box Truck, 10 Wheel			4.000	HR	21.0000	\$84.00
	EO	Equipment Operator			4.000	HR	39.0000	\$156.00
		17 Aug 200	7					
	TRACTROLL	Tractor w/Rolloff Trailer			4.000	HR	51.0000	\$204.00
	ROLLOFF	Rolloff Container with Tarp & Bows CLHA200446 (6/1-8/17)			78.000	DAY	10.0000	\$780.00
	EO	Equipment Operator			4.000	HR	39.0000	\$156.00
	FEE	Recovery Fee			1,380.000	EA	0.0150	\$20.70
		-				SU	BTOTAL	\$1,400.70
							ТАХ	\$0.00
						TASK	( TOTAL	\$1,400.70
TASK RI1570450-00	03 - PCB Solids Dis	sposal						
Manifest	Item ID	Description	Manifest	Manifes	st Billing	Billing	Unit	Amount
Info			Qty	UOM	Qty	UOM	Price	
		17 Aug 200	7					
001144509FLE	DISPSL /	PCB SOLIDS UNDER500 PPM PCB'S	10	TON	4.260	TON	380.0000	\$1,618.80
1	CHSL	U50615B_R006	10	TON	1.200	1 OIV	000.0000	¢1,010.00
	FEE-DOWN	NY Town Host Tax			1,618.800	%	0.0600	\$97.13
	FEE-TRAN	Rhode Island Hazardous Waste Transporters Fee		1	1,000.000	Р	0.0230	\$253.00
	FEE-TRAN	Massachusetts Transporters Fee			5,000.000	к	0.0580	\$290.00
	FEE	Recovery Fee			2,258.930	EA	0.0150	\$33.88
						SU	BTOTAL	\$2,292.81
							TAX	\$0.00
						TASK	TOTAL	\$2,292.81
TASK RI1570450-00	04 - Drum Disposal							
Manifest	Item ID	Description	Manifest	Manifes	st Billing	Billing	Unit	Amount
Info			Qty	UOM	Qty	UOM	Price	
		40 Aug 200	-					
		16 Aug 200	1					
001144518FLE 1	DISPSL / CCRK	PAINT CANS & PAINTING DEBRIS S43477N	1	55DM	1.000	55DM	320.0000	\$320.00
	FEE-DOWN	Nebraska Hazardous Waste Treatment/Incineration Fee			0.038	Т	1.9200	\$0.07
	FEE-TRAN	Rhode Island Hazardous Waste Transporters Fee			100.000	Ρ	0.0230	\$2.30
	FEE-TRAN	Massachusetts Transporters Fee			100.000	Р	0.0270	\$2.70
001144518FLE 2	DISPSL / CHSL	PCB SOLIDS UNDER 500 PPM PCB'S U50615_R006	1	55DM	1.000	55DM	200.0000	\$200.00
	FEE-DOWN	NY Town Host Tax			200.000	%	0.0600	\$12.00
		Dhada laland Llazardaya Wasta			FF 000	П	0 0000	¢4.07

0.0230

0.0580

0.0150

SUBTOTAL

\$1.27

\$1.45

\$8.10

\$0.00

\$547.89

55.000 P

25.000 K 539.790

ΕA

FEE-TRAN

FEE-TRAN

FEE

Rhode Island Hazardous Waste

Massachusetts Transporters Fee

**Transporters Fee** 

**Recovery Fee** 





Attachment to DIV 1-10 Docket 3977 Page 75 of 85

TASK TOTAL

\$547.89

Attachment to DIV 1-10 Docket 3977 Page 76 of 85

OFFICE:

Clean Harbors Env Services Inc 8 Dexter Road East Providence, RI 02914 (781) 792-5000

If you have any questions regarding this invoice, please contact your customer service representative at the telephone number listed above

JOB SITE/GENERATOR: Narragansett Electric Company 642 Allens Avenue Providence, RI 02905

#### Job Description: Drop Can for PCB Disposal

** Payable in USD funds **

Page 1 of 2

Job Date	Invoice No	Customer	Sales Order	Purchase Order	rerms
21 Sep 2007	RI0760261	NAR100	RI1577428	000001632	NET 15 DAYS

Last Job Date	Task	Task Type	Description		Total
21 Sep 2007	RI1577428-001	GENERAL	Labor and Equipment		\$757.19
21 Sep 2007	RI1577428-002	DISPOSAL	PCB Solids Disposal		\$2,500.35
				SUBTOTAL	\$3,257.54
				ТАХ	\$0.00
				INVOICE TOTAL	\$3,257.54



# REMIT TO:

Clean Harbors Env. Services PO Box 3442 Boston, MA 02241-3442

> SOLD TO: Peter Harley Narragansett Electric Company Accounts Payable Department, C-1 300 Erie Boulevard West Syracuse, NY 13202 - 0000



#### TASK RI1577428-001 - Labor and Equipment

Manifest	Item ID	Description	Manifest	Manife	st Billing	Billing	Unit	Amount
Info			Qty	UOM	Qty	UOM	Price	
		17 Aug 2	2007					
	TRACTROLL	Tractor w/Rolloff Trailer			4.000	HR	51.0000	\$204.00
	EO	Equipment Operator			4.000	HR	39.0000	\$156.0
		21 Sep 2	007					
	TRACTROLL	Tractor w/Rolloff Trailer			4.000	HR	51.0000	\$204.00
	EO	Equipment Operator			4.000	HR	39.0000	\$156.00
	POLYSHEET	Poly Sheet, 6mil 20ft x 100ft			0.500	EA	52.0000	\$26.00
	FEE	Recovery Fee			746.000	EA	0.0150	\$11.19
						SUE	BTOTAL	\$757.19
							TAX	\$0.00
						TASK	TOTAL	\$757.19
TASK RI1577428-00		-	Manifast	Manifa	of Dilling	Dilling	11	A
Manifest	Item ID	Description	Manifest		st Billing	Billing		Amount
Info			Qty	UOM	Qty	UOM	Price	
		17 Aug 2	2007					
	LINRO	Rolloff Poly Liner CHRT25673			1.000	EA	65.0000	\$65.00
		23 Aug 2	2007					
	ROLLOFF	Rolloff Container with Tarp & Bows CHRT25673 (8/17-9/21)			36.000	DAY	10.0000	\$360.0
		21 Sep 2	007					
001144566FLE	DISPSL /	PCB SOLIDS UNDER500 PPM PCI	3'S 2	TON	4.570	TON	380.0000	\$1,736.60
1	CHSL	U50615B_R006	55 2	TON	4.570	TON	380.0000	φ1,730.00
	FEE-DOWN	NY Town Host Tax			1,736.600	%	0.0600	\$104.20
	FEE-TRAN	Rhode Island Hazardous Waste Transporters Fee			4,000.000	Ρ	0.0230	\$92.00
	FEE-TRAN	Massachusetts Transporters Fee			2.000	т	52.8000	\$105.6
	FEE	Recovery Fee			2,463.400	EA	0.0150	\$36.9
						SUE	BTOTAL	\$2,500.3
						SU	BTOTAL TAX	\$2,500.3 \$0.00

Attachment to DIV 1-10 Docket 3977 Page 78 of 85

**OFFICE:** 

**Clean Harbors Env Services Inc** 8 Dexter Road East Providence, RI 02914 (781) 792-5000

If you have any questions regarding this invoice, please contact your customer service representative at the telephone number listed above

**JOB SITE/GENERATOR:** Narragansett Electric Company 642 Allens Avenue Providence, RI 02905

**Invoice No** 

RI0868891

### Job Description: Drop Can# CHRT25763 Future Disposal

Last Job Date	Task	Task Type	Description		Total
07 Feb 2008	RI1738994-001	GENERAL	Drop Can# CHRT25763 Future Disposal		\$4,034.70
				SUBTOTAL	\$4,034.70

Sales Order

RI1738994

Purchase Order

0000001632

\$0.00	TAX
\$4,034.70	INVOICE TOTAL



### **REMIT TO:**

Job Date

07 Feb 2008

Clean Harbors Env. Services PO Box 3442 Boston, MA 02241-3442

> SOLD TO: Peter Harley Narragansett Electric Company Accounts Payable Department, C-1 300 Erie Boulevard West Syracuse, NY 13202 - 0000

> > Customer

NAR100

### ** Payable in USD funds ** Terms

NET 15 DAYS



#### TASK RI1738994-001 - Drop Can# CHRT25763 Future Disposal

Manifest	Item ID	Description	Manifest	Mani	fest Billing	Billing	Unit	Amount
Info			Qty	UOM	Qty	UOM	Price	
		09 Jan 20	08					
			00					
	ROLLOFF	CHRT25763 (1/9-2/7)			30.000	DAY	10.0000	\$300.00
	LINRO	Rolloff Poly Liner CHRT25763			1.000	EA	65.0000	\$65.00
		07 Feb 20	08					
	TRACTROLL	Tractor w/Rolloff Trailer			8.000	HR	51.0000	\$408.00
	EO	Equipment Operator			8.500	HR	39.0000	\$331.50
	EOOT	Equipment Operator Overtime			0.500	HR	55.0000	\$27.50
	EO	Equipment Operator			4.000	HR	39.0000	No Charge
001144955FLE 1	DISPSL / CHSL	PCB SOLIDS UNDER500 PPM PCB U50615B_R006	S 1	TON	5.350	TON	380.0000	\$2,033.00
	FEE-DOWN	NY Town Host Tax			2,033.000	%	0.0600	\$121.98
	FEE-TRAN	Rhode Island Hazardous Waste Transporters Fee			13,939.200	Ρ	0.0230	\$320.60
	FEE-TRAN	Massachusetts Transporters Fee			6,336.000	К	0.0580	\$367.49
	FEE	Recovery Fee			3,975.070	EA	0.0150	\$59.63
		·				SU	BTOTAL	\$4,034.70
							ТАХ	\$0.00
						TASK	TOTAL	\$4,034.70

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	arragansett Electric Company 12 Allens Avenue									•
P	rovidence , RI 02905									
6. Ti	ansporter 1 Company Name					U.S. EPA ID				
7. Ti	lean Harbors Env Services Inc					U.S. EPA ID	D 0 3 9 Number	322	250	
8 0	esignated Facility Name and Site Address					U.S. EPA ID	Number			
С	lean Harbors of Braintree Inc					MAE	053	4 5 2	637	
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14.	Special Handling Instructions and Additional Information 1.	J50615B R006			sk.					
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ου	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare th marked and labeled/placarded, and are in all respects in proper cond	at the contents of this cons ition for transport according a terms of the attached EP	Acknowledgmei	and accurately d ernational and na nt of Consent.	escribed above ational governm	e by the proper nental regulation	shipping nam ns. If export s	ne, and are cl shipment and		,
<b>OU</b> 15. Ger	<b>GENERATOR'S/OFFEROR'S CERTIFICATION:</b> I hereby declare the marked and labeled/placarded, and are in all respects in proper cond Exporter, I certify that the contents of this consignment conform to the I certify that the waster minimization statement identified in 40 CFR 20 erator's Offeror's Printed/Typed Name	at the contents of this cons ition for transport according a terms of the attached EP	Acknowledgmei Acknowledgmei Antity generator) o Signature	and accurately d ernational and na nt of Consent.	escribed above ational governm	e by the proper nental regulation	shipping nam ns. If export s	ne, and are cl shipment and		ckaged, imary ay Year 7 107
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<b>OU</b> 15. Ger 16. Tra	<b>GENERATOR'S/OFFEROR'S CERTIFICATION</b> : I hereby declare the marked and labeled/placarded, and are in all respects in proper cond Exporter, I certify that the contents of this consignment conform to the I certify that the waster minimization statement identified in 40 CFR 20 erator's Offeror's Printed/Typed Name	at the contents of this cons lition for transport according e terms of the attached EP 32.27(a) (if I am a large qua	Acknowledgmen antity generator) of Signature	and accurately d ernational and na nt of Consent. or (b) (if I am a sn Occorr Port of e	escribed above ational government nall quantity ge entry/exit:	e by the proper nental regulation	shipping nam ns. If export s	M	onth C	ay Year 7 107
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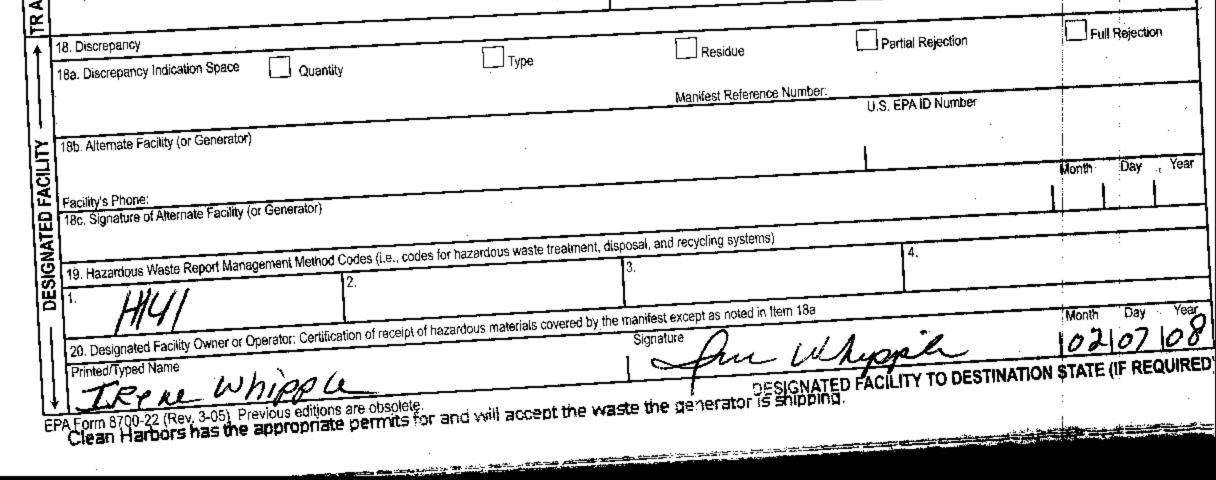
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ase	print or type. (Form designed for use on elite (12-pitch) typewriter.) RI1412054	# 460		9/05/2006	•		d. OMB No.	2050-0039
	NIFORM HAZARDOUS         1. Generator ID Number         2. Page 1 of         3. Eme           WASTE MANIFEST         R         I         D         0         7         9         1         8         7         4         1         3. Eme	gency Respons 30) 483-37	e Phone <b>18</b>	4. Manifest		Number	36 F	LE
6 P	Jarragansett Electric Company 42 Allens Avenue Providence , Rl 02905	or's Site Address	(if different th	an mailing addre	ss)			
Ge 6. 1	Inerator's Phone: 401 784-7490				Mumber .			
С	Clean Harbors Env Services Inc			U.S. EPA ID MAD	039	322	250	
					under			
1 8	Designated Facility Name and Site Address Team Harbor's of Brainfree Inc Hill Ave Brainfree, MA, 02184 cility's Phone: (781) 380-7100			U.S. EPAIDI MAD		452	837	
)a.	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number,	10. Contai	ners	11. Total	12. Unit	13	. Waste Code	s
IM	and Packing Group (if any)) 1 RQ, POLYCHLORINATED BIPHENYLS, SOLID, 9, UN3432, PG II	No.	Туре	Quantity	Wt./Vol.	MA02	R007	· ·
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_	Discrepancy     A. Discrepancy Indication Space Quantity     Type	Residue		Partial Re	ejection	. <u> </u>	Full Re	jection
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18	3b. Alternate Facility (or Generator)			1				
18	acility's Phone: Bc. Signature of Alternate Facility (or Generator)						Month D	ay Year
19	9. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and re	cycling systems		4.				
1.								
	10. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest exc Printed/Typed Name	IA-	0 An	heli	nP		Month D	ay Year 9   07
	Kill Milline	Nu	9 10	FACILITY TO			TATE (IE)	

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

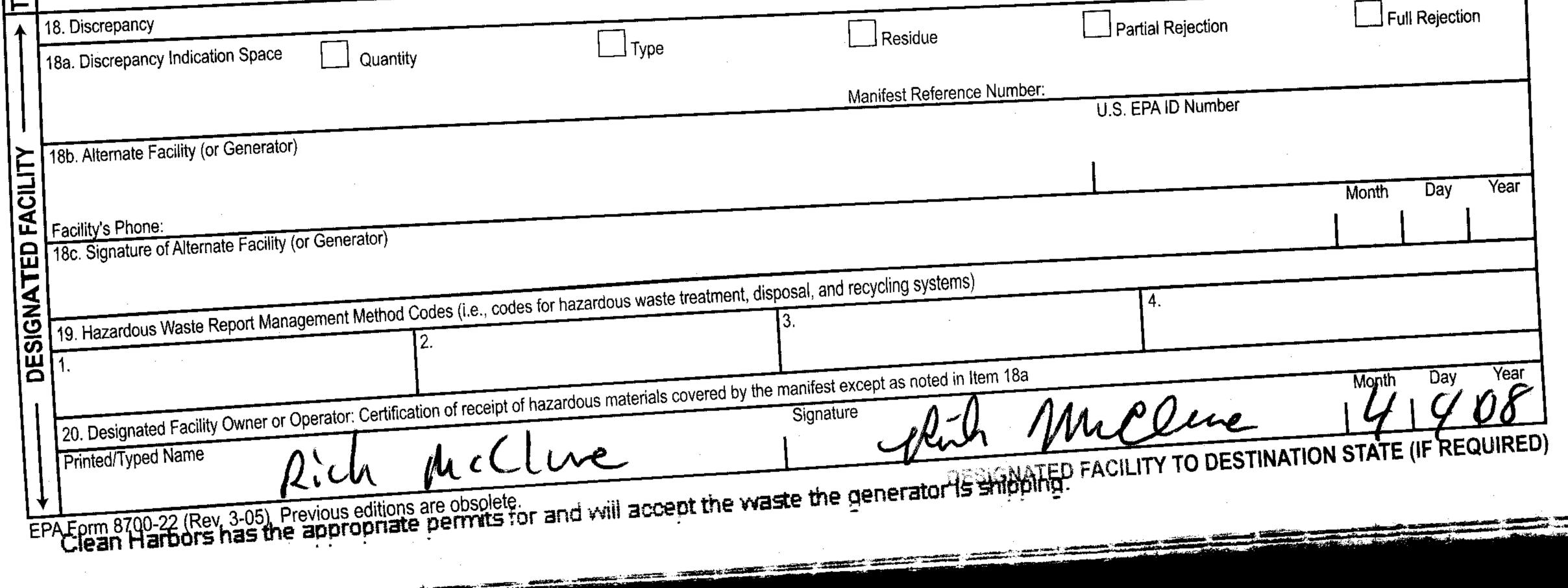
R25919 RT - BAKA

Attachment to DIV 1-10 Docket 3977 Page 84 of 85

se print or type. (Form designed for use on elite (12-pitch) typewriter.)				Page 84 For			. 2050-003
	3. Emergency Respon	se Phone	9/05/2005 4. Manifest	Tracking N	lumber		
WASTE MANIFEST         R   D 0 0 7 9 1 8 7 7 4         1           5. Generator of Mailing Address         1         1	(800) 483-3			<u>112:</u>	1120	<u>53</u>	-LE
5. Generator's Name and Mailing Address ( Narragansett Electric Company	Generator's Site Addres	ss (if different t	han mailing addre	ess)			
642 Allens Avenue							
Providence, RI 02905 Senerator's Phone: 404, 304, 3440							
i. Transporter 1 Company Name <b>7490</b>			U.S. EPA ID	Number			
Clean Harbors Env Services Inc					322	250	
. Transporter 2 Company Name			U.S. EPA ID I	Number			
Designated Facility Name and Site Address			U.S. EPA ID	Number			
Clean Harbors of Braintree Inc			MAD		A E -	6 A T	
1 Hill Ave			MAD	003	4 9 2	031	
Brainfree, MA, 02184 (781) 380-7100				T	Т		
<ul> <li>a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))</li> </ul>	10. Conta No.	ainers Type	11. Total Quantity	12. Unit Wt./Vol.	13	. Waste Cod	es
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1. USO615B ROOG UNIQUE 10 #: 1263 Out of Service i	3-1 Date ; 5	-/5/	07	- <b>L</b>	I	L	
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<ol> <li>US0615B R005</li> <li>GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment ar marked and labeled/placarded, and are in all respects in proper condition for transport according to applica Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowle I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator's/Offeror's Printed/Typed Name</li> <li>DETELE HABLEY</li> <li>International Shipments Import to U.S.</li> <li>Transporter signature (for exports only):</li> <li>Transporter Acknowledgment of Receipt of Materials</li> <li>ansporter 1 Printer Typed Name</li> <li>Signa</li> <li>Signa</li> <li>Signa</li> </ol>	e fully and accurately d ble international and na dgment of Consent. ator) or (b) (if I am a sn ature S. Port of e Date lea ature	escribed abov ational governmenall quantity ge entry/exit:	e by the proper sh nental regulations	hipping nam	Minipment and		y Year   07 y Year y Year   07
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EPA Form 8700-22 (Rev. 3-05) Frevious Guinals are observed and will accept the waste the generator is ship Clean Harbors has the appropriate permits for and will accept the waste the generator is ship

		T	(#L14	72	C	ARTo	Attachment to DIV 1-10 Docket 3977 Page 85 of 85
Please print or type. (Form designed for use on elite (12-pitch) typewriter.)	RI1854906-00			W 01/10/200	B Form	Approved. OMB	No. 2050-0039
UNIFORM HAZARDOUS       1. Generator ID Number         WASTE MANIFEST       R I D 0 0 7 9 1 8 7 7 4	2. Page 1 of 3. Emer	(800) 483	-3718	4. Manifest T	1882	2608	FLE
5. Generator's Name and Mailing Address	Generato	or's Site Address	s (if different tha	in mailing address	S)		
Narragansett Electric Company 25 Research Drive Westhorough, MA 01582	_		ns Avenue Ice , RI - Ož				
Westborough, MA 01582 Generator's Phone: 508 389-2258 ATTN: Environmental D 6. Transporter 1 Company Name	epartment			U.S. EPA ID N			
Clean Harbors Environmental Services Inc				U.S. EPA ID N		93222	
7. Transporter 2 Company Name							5
8. Designated Facility Name and Site Address Clean Harbors of Braintree Inc				U.S. EPA ID N MA		34526	37
1 Hill Avenue Braintree MA 02184							3
Facility's Phone: (/81) 38U-71UU Proper Shipping Name, Hazard Class, ID Numb	er,	10. Conta		11. Total Quantity	12. Unit Wt./Vol.	13. Waste	Codes
HM and Packing Group (if any))		No.	Туре	EST.	VV(./ VOI.	MAO2 F	2 1005
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# <u>DIV 1-11</u>

#### Request:

Re: the Company's Annual Environmental Report for Gas Service Period July 1, 2007 through June 30, 2008, please indicate when the referenced discharge of the collected precipitation for Holders 18 and 21 at 642 Allens Avenue, Providence, RI was, or is anticipated to be, completed and itemize the costs incurred to date for that activity, as well as all costs that the Company expects to incur for that activity during FY 2009.

### Response:

The discharge of collected precipitation for Holders 18 and 21 at 642 Allens Ave is anticipated to be completed in the Spring of 2009 and will coincide with the removal of the two holder structures. The Company pays quarterly Narragansett Bay Commission (NBC) discharge fees. ESS Laboratories performs sampling and inspection activities in accordance with the NBC permit. Attached is an itemized list of available costs incurred since 2006 for ESS Laboratories and Narragansett Bay Commission. Based on past costs and an anticipated discharge completion in the Spring, the Company estimates that the future discharge costs will be approximately \$11,000.

### 642 Allens Avenue - NBC Permit Fees 2006 - 2008

Date of Invoice	Customer No.	Amount of Invoice
08/25/2006	P2712-075-0711	\$293.77
08/25/2006	P2712-075-0711	\$724.27
09/08/2006	P4012-047-0711	\$91.31
10/01/2006	P4012-047-0711	\$362.25
11/27/2006	99883	\$362.25
11/27/2006	99839	\$724.50
01/24/2007	99883	\$362.25
01/24/2007	99839	\$724.50
03/09/2007	99839	\$375.45
03/16/2007	99883	\$365.87
04/04/2007	99883	\$368.85
07/24/2007	99839	\$730.45
07/24/2007	99883	\$365.27
11/29/2007	99839-11/07	\$722.52
11/29/2007	99883-11/07	\$361.26
12/07/2007	99839	\$722.52
12/07/2007	99883	\$361.26
01/23/2008	99883	\$364.87
01/23/2008	99839	\$729.75
04/23/2008	99839	\$730.45
04/23/2008	99883	\$365.23
07/23/2008	99839	\$730.45
07/23/2008	99883	<u>\$365.23</u>
	SUM	l: \$11,304.53

642 Allens Avenue - ESS Laboratories
2006-2008

Date of Invoice	Work Order No.	Amount of Invoice
08/16/2006	0608046	\$759.00
09/21/2006	0609064	\$739.00
10/31/2006	0610351	\$495.25
11/14/2006	0611041	\$739.00
12/19/2006	0612130	\$739.00
01/19/2007	0701176	\$739.00
10/12/2007	0710204	\$739.00
10/18/2007	0710246	\$495.25
11/15/2007	0711119	\$250.00
11/16/2007	0711108	\$739.00
12/07/2007	0711369	\$150.00
01/02/2008	0712285	\$700.00
01/09/2008	0712297	\$739.00
01/16/2008	0801073	\$739.00
02/05/2008	0801355	\$450.00
03/06/2008	0802297	\$739.00
03/07/2008	0803054	\$150.00
03/27/2008	0803241	\$739.00
04/08/2008	0804100	\$150.00
04/17/2008	0804131	\$739.00
04/28/2008	0804290	\$469.00
05/16/2008	0805095	\$200.00
06/02/2008	0805335	\$739.00
06/05/2008	0806042	\$250.00
08/21/2008	0808191	\$300.00
08/29/2008	0808358	\$ <u>200.00</u>
		\$13,886.50

### 642 Allens Avenue - NBC Permit Fees 2006 - 2008

Date of Invoice	Customer No.	Amount of Invoice
08/25/2006	P2712-075-0711	\$293.77
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11/27/2006	99839	\$724.50
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03/09/2007	99839	\$375.45
03/16/2007	99883	\$365.87
04/04/2007	99883	\$368.85
07/24/2007	99839	\$730.45
07/24/2007	99883	\$365.27
11/29/2007	99839-11/07	\$722.52
11/29/2007	99883-11/07	\$361.26
12/07/2007	99839	\$722.52
12/07/2007	99883	\$361.26
01/23/2008	99883	\$364.87
01/23/2008	99839	\$729.75
04/23/2008	99839	\$730.45
04/23/2008	99883	\$365.23
07/23/2008	99839	\$730.45
07/23/2008	99883	<u>\$365.23</u>
	SUM	l: \$11,304.53

642 Allens Avenue - ESS Laboratories
2006-2008

Date of Invoice	Work Order No.	Amount of Invoice
08/16/2006	0608046	\$759.00
09/21/2006	0609064	\$739.00
10/31/2006	0610351	\$495.25
11/14/2006	0611041	\$739.00
12/19/2006	0612130	\$739.00
01/19/2007	0701176	\$739.00
10/12/2007	0710204	\$739.00
10/18/2007	0710246	\$495.25
11/15/2007	0711119	\$250.00
11/16/2007	0711108	\$739.00
12/07/2007	0711369	\$150.00
01/02/2008	0712285	\$700.00
01/09/2008	0712297	\$739.00
01/16/2008	0801073	\$739.00
02/05/2008	0801355	\$450.00
03/06/2008	0802297	\$739.00
03/07/2008	0803054	\$150.00
03/27/2008	0803241	\$739.00
04/08/2008	0804100	\$150.00
04/17/2008	0804131	\$739.00
04/28/2008	0804290	\$469.00
05/16/2008	0805095	\$200.00
06/02/2008	0805335	\$739.00
06/05/2008	0806042	\$250.00
08/21/2008	0808191	\$300.00
08/29/2008	0808358	\$ <u>200.00</u>
		\$13,886.50

# <u>DIV 1-12</u>

# Request:

Re: the Company's Annual Environmental Report for Gas Service Period July 1, 2007 through June 30, 2008, please provide a complete copy of the referenced supplemental site investigation work plan for the Thames & Wellington project in Newport, RI and identify the costs incurred for preparation of that supplemental work plan.

### Response:

A copy of the Proposed Expanded Site Investigation Work Plan for the Former Newport Manufactured Gas Plant Site, prepared by GZA GeoEnvironmental, Inc. and dated January 30, 2008 is attached. The costs incurred by GZA GeoEnvironmental, Inc. to prepare the work plan were \$18,165.44.

Attachment to DIV 1-12 Docket No. 3977

GZA GeoEnvironmental, Inc.

Ergeners and Sciences

January 31, 2008 File No. 33327



Mr. Michael Andrews Office of Waste Management 235 Promenade Street Providence, Rhode Island 02908

140 Broadway Providence Rhode Island 02903 401-421-4140 Fax: 401-751-8613 www.gza.com Re: Proposed Expanded Site Investigation Work Plan Former Manufactured Gas Plant Wellington Avenue and Thames Street Newport, Rhode Island RIDEM Case No. 2006-055

Dear Mr. Andrews:

On behalf of our client, the Narragansett Electric Company (dba National Grid), GZA GeoEnvironmental Inc. (GZA) is pleased to provide this *Expanded Site Investigation Work Plan* describing additional assessment activities to be performed at the former Manufactured Gas Plant (MGP) site located at the corner of Wellington Avenue and Thames Street in Newport, Rhode Island. The tasks outlined in this *Expanded Site Investigation Work Plan* were developed to address data gaps identified by GZA, National Grid and the site property owners, as well as to address comments presented by the RI Department of Environmental Management (RIDEM) in their November 1, 2007 letter to National Grid

This Expanded Site Investigation Work Plan was developed based, in part, on information presented in the September 2007 Site Investigation Data Report prepared by Vanasse Hangen Brustlin, Inc. (VHB). The information and data to be collected during the proposed investigations will be used to develop a Site Investigation Data Report-Addendum.

#### BACKGROUND

The approximately 7.4 acre property (herein referred to as the "Site") is located on the northwest corner of the intersection of Thames Street and Wellington Avenue in Newport, Rhode Island and borders Newport Harbor. The Site is comprised of two lots: Lot 204 consists of an approximately 5.6 acre parcel which is occupied by a hotel/condominium and commercial space; Lot 286 (northwest portion of site) consists of a 1.8 acre parcel of land which includes two condominium buildings. The condominium and commercial buildings on Lot 204 were constructed between 1984 and 1988. The condominiums on Lot 286 were constructed between 1997 and 1999.

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The Site was operated as a MGP from approximately 1885 to 1955. The majority of the historic MGP operations were located on Lot 204. No surficial remnants of the gas plant operation remain. The location of historic buildings and structures at the Site are depicted on Figure 1.

The more recent investigations were initiated, in part, due to the intermittent visual evidence of coal tar-like discharges to Newport Harbor from two stormwater discharge pipes installed as part of Site redevelopment activities. GZA understands that the discharge pipes are associated with the Site's stormwater collection system. In response to these observations, containment boom systems, which are routinely inspected and maintained by National Grid, have been established.

Previous environmental investigations have been performed at the Site; mostly coincidental to the Site's development. These investigations have been performed by C. E. Maguire Inc. in 1982, GZA GeoEnvironmental Inc. in 1983, Haley & Aldrich in 1983, NUS Corporation in 1988, and Environmental Resource Associates Inc. in 1996. These investigations included the performance of 37 test borings, 28 test pits, and the installation of four groundwater monitoring wells.

More recent investigations were performed in 2006/2007 by VHB on behalf of National Grid, and included the performance of 25 test borings and the installation of 10 groundwater monitoring wells in certain of the test borings. Select soil samples were analyzed for metals, total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and cyanide. Groundwater samples collected from select monitoring wells were analyzed for TPH, VOCs, and PAHs and all monitoring wells have been gauged for the presence of Non-Aqueous Phase Liquids (NAPL).

#### PROJECT UNDERSTANDING

The following provides a brief review of VHB's September 2007 Site Investigation Data Report. We focused our review, at this time, on identifying conditions that suggest additional investigations are required to develop remedial alternatives.

#### Subsurface Conditions

The subsurface conditions at the Site generally consist of approximately 5 to 10 feet of fill underlain by silty marine deposits with occasional sandy zones. Glacial till has been encountered approximately 10 to 15 feet below grade and weathered bedrock has been encountered approximately 15 to 20 feet below grade.

The direction of groundwater flow is generally from east to west towards Newport Harbor. The groundwater table is generally encountered approximately 2 to 3 feet below grade during high tide or during the wet season; and approximately 4 to 5 feet below grade during low tide or during the dry season. The groundwater table is approximately 5 to 8 feet below grade on the east side of the Site along Thames Street.



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The groundwater contours presented by VHB, as anticipated, depict groundwater flow toward Newport Harbor. The average hydraulic gradient at low tide was approximately 6 feet in 450 feet or approximately 0.013 ft/ft. This is typical of the soil conditions observed at this Site.

#### Contaminant Transport

The transport mechanism of most concern is non-aqueous phase liquids (NAPLs), both lighter and denser than water, and their potential migration. The lighter NAPLs (LNAPLs) could migrate atop the water table. The dense NAPLs (DNAPLs) are likely fairly viscous and relatively immobile. However, if fractions of DNAPL are in contact with zones of high hydraulic conductivity, such as the stone bedding of pipes located below the water table, they could potentially migrate towards the harbor.

As evidenced by groundwater contours presented by VHB, the greatest amount of groundwater discharge is at low tide. We also note that the stormwater system likely plays a significant role in potential contaminant transport and therefore, additional evaluation/survey of this system is warranted.

#### Nature and Extent of Contamination

The following generally describes GZA's understanding of the nature and extent of subsurface contamination at the Site.

Visual evidence of coal tar/oil was observed in many of the soil samples collected from explorations located on the western half of Lot 204. A review of boring log information indicates that the occurrence of coal tar-like materials is primarily associated with samples collected at or below the groundwater table. The most common occurrence of observed coal tar impacts were in the western and southwestern portions of Lot 204. In addition, petroleum odors were also noted in the soil samples collected from the explorations located within the former gas holder located in the southeast portion of the Site.

Laboratory analytical results of surficial soil samples located above a geotextile fabric on Lot 286 (depth of 0 to 6 inches) revealed the presence of arsenic, beryllium, and/or lead at concentrations in excess of the Method 1 Residential Direct Exposure Criteria (as established in the <u>Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases</u>) at 3 of 6 sampling locations; and PAH concentrations that exceeded the Residential Direct Exposure Criteria (RDEC) at 1 of 6 sampling locations. The materials above the geotextile were imported to the Site in the 1990s as part of development activities. We note that the one PAH exceedance was at sampling location B-200 in the northwest corner of the Site (most distant exploration from the former MGP facility). In addition, only trace levels of PAHs were detected in the groundwater collected from monitoring well B-200. Based on this data, the impacts detected in the materials above the geotextile fabric on Lot 286 are not believed to be associated with former MGP operations and are more likely associated with the quality of the import fill materials.



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Laboratory analytical results of surficial soil samples located on Lot 204 (depth of 0 to 2 feet) revealed that all 15 sampling locations exhibited arsenic, beryllium, lead, or PAHs at concentrations above the RDEC. The PAH concentrations at 11 of the 15 locations were also above the Industrial/Commercial Direct Exposure Criteria (I/C DEC). The PAH and metals concentrations were generally less in the 0 to 0.5 foot interval than the 0.5 to 2.0 foot interval. One of the surficial soil samples exhibited TPH at concentrations above the I/C DEC and 7 of 15 exhibited TPH concentrations above the RDEC. All of the TPH exceedances were encountered between depths of 0.5 to 2.0 feet below ground surface.

A portion of Lot 204 was capped by National Grid in June 2007 as part of a Short Term Response Action to mitigate potential exposure to surface soil impacts in a high intensity-use area. Surface soils within the barbeque area, represented by soil sample locations B-204 and B-211, were removed to a depth of one foot, a geotextile was placed in the excavation, and clean imported fill material was used to backfill the excavation. The area was then restored with sod.

Two (2) of VHB's subsurface soil samples B-212 (7 to 9 feet) and B-224 (7 to 9 feet) exhibited TPH concentrations in excess of the 30,000 mg/kg Upper Concentration Limit (UCL). These two soil samples also had benzene and ethylbenzene concentration greater than Method 1 GB-Leachability Criteria. VHB indicated that soil samples that appeared similar to these two soil samples included: B-205 (4 to 6 feet), B-210 (10 to 15 feet), B-212 (9 to 11 feet), and B-219 (5 to 7 feet). These borings were located: (1) in the southwest portion of the Site (B-205 and B-212); (2) near the former gas holder in the southeast portion of the Site (B-219); and (3) near the former tar shed in the western portion of the Site (B-210). Boring 219 (7 to 9 feet) also had benzene concentrations that exceeded the GB-Leachability Criterion. Note that coal tar and/or oil was observed in all of these samples (except B-219).

The soil sample from boring B-201 (14 to 15 feet), which is located near the seawall between Lots 286 and 204, is the only other VHB sample that had TPH concentrations above the GB-Leachability Criterion. This sample also had ethylbenzene concentration in excess of the GB-Leachability Criterion and visual evidence of coal tar/oil.

Groundwater samples were collected from monitoring wells MW-200, MW-206, MW-207, and MW-208 on April 18, 2007 and were analyzed for VOCs, PAHs, and TPH. The VOC concentrations were below GB Groundwater Objectives and only trace levels of PAHs were detected in the samples. The remaining six monitoring wells (MW-201 to MW-205 and MW-224) were not sampled due to the presence of sheens and/or coal tar/oil droplets observed during purging. Recent groundwater level gauging at monitoring well MW-202 suggests that DNAPL may be present at the bottom of the well.



#### DATA GAPS

The data gaps identified by GZA, the Site property owner's consultant, and by RIDEM in their November 1, 2007 comment letter to National Grid included:

- Further investigation of the areas proximate to borings B-205, B-213, B-217, B-219, B-222, north of the club house, and between Building No.4 and the retail buildings;
- Further investigation of areas proximate to explorations HATP-5, HAB-11, HAB-13, B-204, and B-211;
- Further evaluation of the storm drain system;
- Sampling groundwater at existing monitoring wells MW-201 to MW-205, and MW-224 and analysis for TPH, VOCs, PAHs, phenolics, and cyanide;
- Evaluate indoor air in the ground floor levels of buildings;
- · Evaluate effects of tidal change on groundwater elevations; and
- Evaluate hydraulic conductivity of subsurface conditions
- Evaluate off-site conditions southwest of the site;
- Further evaluation of conditions on Lot 286 (in the area of the former Standard Oil Company and the former large above ground storage tank);
- Evaluate conditions in proximity of the former coal tar shed, former cistern, and former fuel oil tanks; and
- Evaluate conditions on the eastern side of the site.

Note that we do not plan to complete test pit explorations at the site at this time based on the relatively shallow depth of groundwater, the potential generation of significant odors, and site disturbance/disruptions.

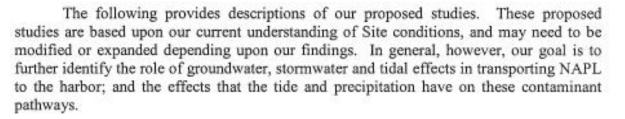
#### PROPOSED WORK PLAN

The tasks outlined in this Expanded Site Investigation Work Plan were developed to address the above data gaps.



#### Evaluation of Storm-drain System

This Task presents how GZA will further characterize Site groundwater flow and contaminant transport mechanism(s). It builds upon work completed by VHB and considers tidal effects, stormwater effects, and visual evidence of contamination (i.e., the presence, duration, extent, thickness of sheens, LNAPL, oil droplets, etc.) in catch basins, discharge outfalls, and shoreline/retaining wall.



- A. Piezometric Survey GZA will use the monitoring wells to evaluate groundwater flow patterns during tidal cycles. Ten of the Site monitoring wells will be equipped with pressure transducers that will collect and record groundwater levels every 5 minutes over a 2- to 4-day period. This effort will be supplemented by manual readings in other accessible wells. Resulting data will be correlated with tide levels in the harbor. At least one of the groundwater elevation rounds will be conducted during a full moon high tide level. We will use this opportunity to look for evidence of NAPLs in monitoring wells.
- B. Manhole Survey GZA will locate and survey the invert elevation (and pipe type and size) of the storm drains and major sewer lines at the Site. In addition, we will locate and survey off-Site storm drain lines/combined sewer lines within Wellington Avenue, Thames Street, and Harrington Street (provided the storm drain manholes are located on the sides of the street). The elevations will be referenced to the site datum. We will make visual and olfactory observations. The assessment activities will be performed during completion of the expanded CCTV inspection described below. Visual and olfactory observations will be made on three occasions. At times of both low and high tides and following a significant precipitation event. The storm drain and major sewer line locations will be depicted on the site map.
- C. Waterfront survey At a time of low tide, we will observe conditions along the seawall, with the intent of identifying areas of groundwater discharge. This will include evidence of seeps through the wall and upwelling in sediments near the base of the wall. Outfall pipes observed along the seawall (that are above the low tide level) will be snaked in an attempt to identify the pipe's origin. The outfall pipe locations will be documented on the site figure. We will also measure the elevation of the sediment along the sea wall. We will review the resulting information, in conjunction with the manhole survey, to better define contaminant transport mechanism, with the intent using this data during future evaluation of potential remedial measures.



- D. Catch Basin Survey GZA will complete the video assessment of the storm drain/catch basins not previously assessed (CCTV Inspection). GZA will engage Inland Waters, Inc. to perform this assessment. GZA will be present during this field program to assess each of the storm drains for evidence of contamination (sheens/impacted sediments), and the condition of storm-line tie-ins (relative to them serving as potential avenues of contamination to the catch basins). We will also review the existing video inspections and document the locations of areas in which groundwater seepage occurs at the joints of the pipes, and the locations of secondary storm system lines such as drain spouts, the pool drains and similar structures.
- E. Engineering Evaluation We will use new and all existing information to identify and evaluate potential short-term remedial measures (relative to the storm drain/discharge systems). The types of short-term measures that are reviewed will be dependant on the identified transport mechanisms (i.e., groundwater induced discharge to the Harbor, or point source discharge from the stormwater system). In the event the mechanisms are not clearly identified we will evaluate feasible, costeffective approaches to mitigate potential discharges to the Harbor.

#### Soil Borings and Monitoring Wells

GZA proposes to install 34 additional groundwater monitoring wells (to be identified as MW-301 to MW-334) at the locations shown on Figure 1. Prior to installing the wells, GZA will perform Site reconnaissance to coordinate DigSafe clearance, and to visually evaluate access restrictions. Some of the locations may change due to the presence of underground utilities. The rationale for the exploration locations are described in the attached Table 1. Depending on utility clearance, we may vacuum excavate the first few feet of some of the explorations.

The monitoring wells will be installed utilizing either a truck-mounted drill rig using hollow stem augers (HSA) or a geoprobe rig (in areas where there are access restrictions). Based on our understanding of subsurface conditions, well depths are anticipated to be approximately 15 feet below ground surface. The drilling tools will be steam-cleaned between each monitoring well location. A GZA geologist or engineer will be present during drilling to classify soil conditions, oversee well installations and prepare boring/well installation logs.

The monitoring wells will be constructed of 2-inch diameter PVC well screen and solid PVC riser pipe (for the wells installed with HSA) or 1-inch diameter PVC for the geoprobe locations. The 10-slot well screen will be set to span from the bottom of the boring to within approximately 1 foot of grade (up to 15 feet length). Filter sand will be backfilled around the well screen and a 6-inch thick bentonite seal will be placed round the solid riser pipe. A concrete surficial seal with a flush-mounted road box will be installed to protect the wells.



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Soil cuttings and wash water (i.e., decontamination water) generated during drilling will be field-screened for total volatile VOCs with a photoionization detector (PID) and then placed in 55-gallon drums for subsequent off-site disposal at an appropriate facility.

Soil samples will be obtained during the drilling of the monitoring wells and the test borings at approximately 2-foot intervals with a split-spoon sampler using Standard Penetration Test techniques. Select soil samples will be collected in glass jars and will be kept cool during shipment under chain-of-custody documentation to the analytical laboratory.

Soil samples will be screened in the field for total VOCs using a PID. It is anticipated that at least one soil sample from each boring location will be selected for laboratory analysis. The soil samples will be analyzed for total cyanide, VOCs using EPA Method 8260, TPH using EPA Method 8100, and PAHs using EPA Method 8270. In addition, based on field screening or sample characteristics, additional surficial soil samples may be tested for EPA 13 Priority Pollutant Metals, TPH, and PAHs.

#### Groundwater Sampling and Analysis

Groundwater samples will be collected from the 34 newly installed monitoring wells and from all 10 existing wells (MW-200 to MW-208, and MW-224). GZA will sample each of the 44 wells using the US EPA's July 30, 1996 *Low Stress (low flow) Purging and Sampling Procedure.* As part of that sampling methodology, well stabilization will be determined through the measurement of specific water quality parameters recorded during the purging process. Prior to sampling the wells will be inspected for the presence of NAPL using an electronic oil/water interface probe. After the wells are sampled, a bailer will be installed to confirm the oil/water interface probe readings in the wells in which the presence of LNAPL and DNAPL was indicated.

Special care will be taken to assure that NAPL is not introduced into the sample. That is, well purging will include the visual evaluation of the presence/absence of NAPL in the purge water. Purge water will be placed in labeled containers, and subsequently disposed of at an appropriate, National Grid-approved, off-Site facility.

The groundwater water samples will be collected in laboratory provided containers, placed in an ice-filled cooler and delivered under chain-of-custody documentation to the analytical laboratory.

Groundwater samples will be analyzed for volatile organic compounds (Method 8260b), total petroleum hydrocarbons (Method 8100M), polycyclic aromatic hydrocarbons (Method 8270), Phenolics (EPA Method 420.1) and total cyanide (EPA Method 335.2).



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Should NAPL be present in the monitoring wells, it will be removed and the recovery rate documented. Based on the results of the groundwater testing program, the return rate of the NAPL and/or thickness of NAPL, distinct NAPL samples may be selected for PAH (Method 8270), VOC (Method 8260B) and/or TPH Fingerprinting (Method 8100M or equivalent).

## Hydraulic Conductivity Testing

The hydraulic conductivity will be estimated at each of the monitoring wells by performing a slug test. The slug of water will be removed using a bailer and the hydraulic response will be measured using a pressure transducer and data logger. The data will be evaluated using the AQTESOLV computer software program.

#### Soil Gas Survey

Based on the high likelihood that the collection of interior air samples could result in the recording of contaminants not associated with MGP wastes, but rather, common products in use or storage, interior air sampling is not proposed at this time. Instead, in order to evaluate whether MGP-related subsurface conditions may impact indoor air quality, we will perform a soil gas survey at exterior locations around retail buildings A, B, C, D, E, the basement portion of the Club House, and elevator pits in Buildings 3, 4, and 5 (2 elevators per building). We note that we do not plan to perform the soil gas survey through the existing floor slabs. This decision is based on our concern that the site structures may have included, at the time of construction, a vapor barrier per the recommendation of Haley & Aldrich.

An elevation survey will be performed to determine the slab elevation of the basement of the Laundry Room in the Club House and elevator pits in Buildings 3, 4, and 5. The soil gas survey will be performed around the perimeter of the structures at, or slightly below, the elevation of the slabs.

The objective of the survey will be to characterize the presence (concentration and distribution) of VOCs in the subsurface soil gas. The survey will involve the installation of temporary soil gas probes along the perimeter of the buildings and structures. The 5-foot long, Schedule 40 black steel probes will be driven manually to depths of approximately 1 to 3 feet below ground surface. Probes will then be withdrawn approximately 3-inches to allow the removal of the bottom plug. The soil gas will be screened for total VOCs using a PID meter equipped with a 10.6 electon volt lamp. In addition, air bags of soil gas samples will be screened for VOCs in the laboratory.



	Attachment to DIV 1-12
DIDEN	Docket No. 3977
RIDEM	January 31, 2008
File No. 33327	Page 10

We trust that this work plan adequately describes our proposed work. Should you have any questions, please feel free to contact either John Hartley at 401-421-4140 or Michele Leone at 508-389-4296.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

John Hartley Principal

Anthony Urbano, PE Senior Project Manager

JPH:tja

Attachment: Table 1 Figure 1

cc: Michele Leone, National Grid Bob Hoffman, Hoffman Engineering Heather Paolino Chris Little Turner Scott, Miller, Scott & Holbrook Tim More Robin Main, Hinkley, Allen & Snyder

J:/ENV/33327.jph/Task 3/WorkPlan-013108.doc

James J. Clark

Principal

# TABLE

# TABLE 1

# RATIONALE FOR SAMPLING LOCATIONS

Former MGP Site Wellington Avenue and Thames Street Newport, Rhode Island

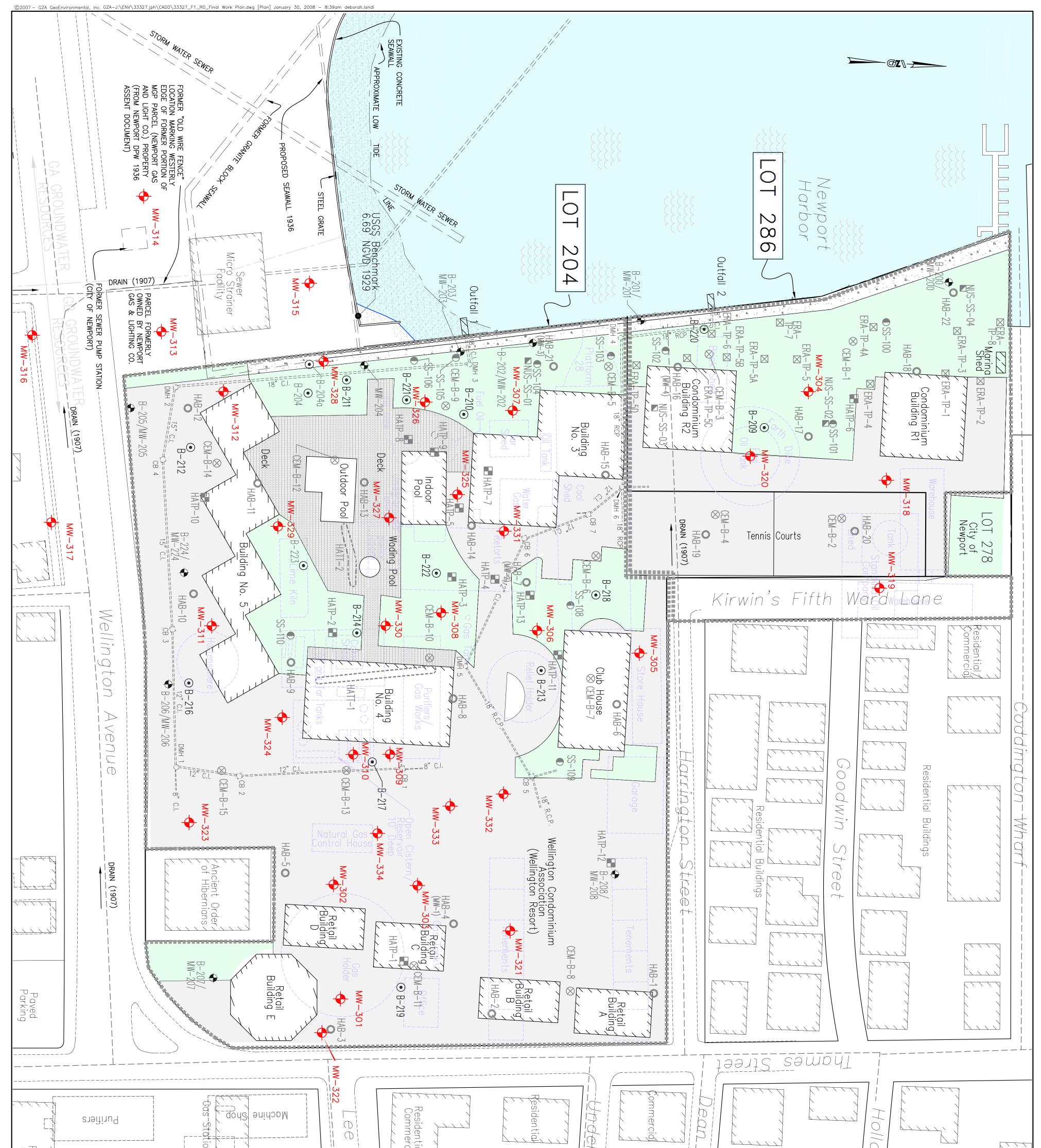
MONITORING WELL LOCATION	RATIONAL FOR LOCATION
301	Near boring B-219, within former gas holder, and near retail buildings.
302 and 303	Downgradient of former gas holder, near retail buildings and between Building No. 4 and retail buildings.
304	Downgradient of boring HAB-17 (boring with evidence of fuel oil odors).
305	North of Club House and near walk-out basement with laundry room.
306	Downgradient of B-213 and former relief holder.
307	Downgradient of former tar shed and upgradient of well with possible NAPL (MW-202).
308	Near boring B-222.
309	Near boring B-217 and outside of former cistem/reservoir.
310	Near boring B-217 and within former cistem/reservoir.
311 and 312	Evaluate extent of contamination in southwest corner of site.
313-317	Evaluate off-site extent of contamination southwest of site.
318 and 319	Evaluate conditions in vicinity of former Standard Oil Company
320	Evaluate conditions beneath former fuel oil tank
321	Evaluation conditions in northeast portion of site
322	Evaluate conditions upgradient of former gas holder
323	Evaluate upgradient sources and conditions near drainage manhole No. 1
324	South of former cistern
325	Near former test pit exploration HATP-5 and indoor pool

# TABLE 1

# RATIONALE FOR SAMPLING LOCATIONS

Former MGP Site Wellington Avenue and Thames Street Newport, Rhode Island

MONITORING WELL LOCATION	RATIONAL FOR LOCATION						
326	Downgradient of former fuel oil tanks						
327	Near HAB-13 and indoor pool						
328	Near B-204 and B-211						
329	Near boring HAB-11						
330	Downgradient of former oil and tar tanks and open cistern						
331	Evaluate extent of petroleum impacted soils						
332	Between MW-306 and MW-321						
333	Between HAB-4 and HAB-8						
334	Between MW-302 and MW-309						



		tial/ rcial			and Street
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR MODIFIED IN WHOLE OR IN PART FOR ANY OTHER PURPOSE OR PROJECT. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING SHALL BE AT THE USER'S OR SUCH OTHER PARTIES' SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.	<ul> <li>HALEY &amp; ALDRICH TEST PIT LOCATION</li> <li>HALEY &amp; ALDRICH BORING LOCATION</li> <li>NUS SAMPLING LOCATION</li> <li>ERA Test Pit Location</li> <li>LANDSCAPE AREA</li> <li>CRUSHED STONE WALKWAY</li> <li>PAVEMENT/ASPHALT AREA</li> <li>ABOVE GROUND POOL DECKING</li> </ul>	Legend PROPOSED BORING VHB BORING			NOTES: 1) BASE MAP DEVELOPED FROM PLAN PROVIDED BY VANASSE HANGEN BRUSTLIN, INC., ENTITLED "FIGURE 6," DATED SEPTEMBER 2007, ORIGINAL SCALE 1"=40', DRAWING No. 6. 2) THE LOCATION OF THE SITE FEATURES, PROPOSED MONITORING WELLS, WERE APPROXIMATELY DETERMINED BY LINE OF SIGHT, FROM EXISTING TOPOGRAPHIC FEATURES AND PHOTOGRAMMETRIC METHOD IMAGE OVERLAY. THESE DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
GREEMENT, OF GZA ON SHOWN A'S CLIENT FOR THE D ON THE D ON THE NSFERRED, SHALL BE SOLE RISK TO GZA. PROJECT NO. <b>33327.00</b> FIGURE NO.	WELLINGTON & THAMES FMGP NEWPORT, RHODE ISLAND PROPOSED MONITORING WELL LOCATION PLAN	DESIGNED BY: ABU REVIEWED BY: ABU OPERATOR: CRB/DL	SCALE: 1"=40' 0 20 40 GZA GZA GeoEnvironme Engineers an 140 BROADWAY PROVIDENCE, RH	d Scientists	HANG HATE

# <u>DIV 1-13</u>

#### Request:

Re: the Company's Annual Environmental Report for Gas Service Period July 1, 2007 through June 30, 2008, please provide a detailed itemization of costs incurred during FY 2008 for deployment, inspection and maintenance of the loom located near shore for the Thames & Wellington project in Newport, RI.

### Response:

The boom inspection and documentation activities were performed by GZA GeoEnvironmental, Inc. and VHB during the period from July 1, 2007 and June 30, 2008. In addition, GZA GeoEnvironmental's boom activities included reevaluating the design of the boom system. Clean Harbors Environmental Services, Inc. performed the deployment and maintenance activities, including deployment, boom repair, replacement of used booms, rental fees for roll- offs for spent booms and proper off-site disposal. Itemization of invoices per vendor for FY08 is attached.

### Newport - Boom Maintenance Invoices July 1, 2007 through June 30, 2008 Clean Harbors Environmental Services, Inc.

Date of Invoice	Invoice No.	Amount of Invoice
07/31/2007	RI0729948	\$2,600.43
08/28/2007	RI0752420	\$3,297.74
09/20/2007	RI1453566	\$1,424.05
10/23/2007	RI0789256	\$3,274.36
11/09/2007	RI0713208	\$1,766.61
12/03/2007	RI0735359	\$10,560.06
12/20/2007	RI0881633	\$927.50
02/22/2008	RI0880628	\$1,534.68
04/10/2008	RI0816221	\$7,302.46
	SUM	\$32,687.89

## Newport - Boom Maintenance Invoices July 1, 2007 through June 30, 2008 VHB

Date of Invoice	Invoice No.	Boom Related Costs
07/24/2007	0067903	\$777.85
08/16/2007	0068722	\$465.30
09/19/2007	0070889	\$1,183.85
10/17/2007	0072182	\$1,210.25
11/09/2007	0073220	\$2,024.59
12/06/2007	0074566	\$507.60
01/09/2008	0076482	\$0.00
	SUM:	\$6,169.44

# Newport - Boom Maintenance Invoices July 1, 2007 through June 30, 2008 GZA GeoEnvironmental, Inc.

Date of Invoice	Invoice No.	Boom Related Costs
11/16/2007	592107	\$0.00
12/10/2007	592527	\$1,145.60
01/22/2008	594404	\$2,739.15
03/19/2008	596538	\$5,250.66
04/23/2008	0597975	\$2,129.04
07/15/2008	0601393	\$2,454.02
08/04/2008	0602061	\$3,846.60
	SUM:	\$17,565.07

# <u>DIV 1-14</u>

## Request:

Re: the Company's Annual Environmental Report for Gas Service Period July 1, 2007 through June 30, 2008, please separately identify the costs incurred during FY 2008 for removal of 379 MSRs and the costs associated with each of the three referenced spills related to mercury seal regulators.

# Response:

During the Gas Service Period of July 1, 2007 through June 30, 2008 three spills were remediated at a cost of \$ 42,203. For the same time period 379 MSRs were removed at a cost of \$ 535,019.

# <u>DIV 1-15</u>

## Request:

Re: the Company's Annual Environmental Report for Gas Service Period July 1, 2007 through June 30, 2008, please identify:

- a. The cause of each of the three referenced spills related to mercury seal regulators,
- b. The date upon which each spill related to mercury seal regulators was identified,
- c. The costs incurred to date for the clean-up of each referenced spill,
- d. The Company's best estimate of remaining costs associated with the clean-up of each spill.

### Response:

For the Gas service period of July 1, 2007 through June 30, 2008, three spills were remediated. Remediation work at all three spills has been completed, and there are no remaining costs.

The first spill was identified on October 18, 2007. The spill was caused by an unknown party who had removed the gas piping and regulator in the basement of the house which was under renovations, and without gas service. Total expenditures for the cleanup were \$26,351.

The second spill was identified on February 9, 2008. The spill occurred during the removal of the MSR located at the property, when a small amount of mercury was released from a pipe. Total expenditures for the cleanup were \$3,966.

The third spill was identified on February 14, 2008. Prior to removal of the MSR, an elevated mercury vapor reading indicated a prior release of mercury. Further investigation discovered that mercury was located behind a pegboard wall in the basement. Total expenditures for the cleanup were \$ 11,886.

# <u>DIV 1-16</u>

# Request:

Re: Attachment PCC-5, pages 4-12, and Updated Attachment PCC-5, pages 4-12, please:

- a. For each month from July 2007 through June 2008, provide full documentation for the determination of the dollar amount and number of therms for each billing adjustment referenced in the "Comments" column on the referenced pages, and provide the Company's rationale for each adjustment.
- b. Document each entry in the "Other Charges" column on the referenced pages showing the calculation of the dollar amount reflected and providing a detailed description of the nature and purpose of each charge shown.

# Response:

a. and b. Please see the attached for a list of the records from PCC-5 that had a billing adjustment referenced in the "Comments" column or had entries in "Other Charges". This list an additional column on the right with the requested additional information

	Charges	Banner La Bill Date Bill		m/ nfir Sales	or cust.	volume	com	con modity rat	nmodity te (per	distrib	distrib			other charges		net revenue for	net revenue including cust.	Gas Cost			Margin for customer level	Margi	in	
Assigned # Alt Fuel	Apply To	mo/yr Da	ate n	n Trar	Is Charge (2	2) (therms) (3		rge (4) the		charge (6)	rate (7)	taxes (8)	GET (9)	(10)	total revenue	margin/Dth	service charge	per Dth	Total Gas Cost	t Total Margin	calc		th Comment	Response and explanations to Other Charges column "10" and adjustments
12 6	Jul-07	Aug-07	N	Trar	IS	(58,605	5.8)	N/A		(5,040.1)	0.0860			(627.08)	(\$5,667)	(\$5,040)	(\$5,040)	0.0000	\$0	(\$5,040)	(\$5,040)	\$0.	.86 adj for Jul.07 bill	Credit 58605.75 therms - account was trued up to actual meter reading resulting in an overall credit of 3087.57 therms (this is the reversa of the original July bill). The amount in "Other Charges" is the associated Energy Efficiency credit of \$827.08. Realiti 5551.81 therms - account was trued up to actual meter reading resulting in an overall credit of 3087.57 therms (this is the rebill of Realiti 5551.81 therms - account was trued up to actual meter reading resulting in an overall credit of 3087.57 therms (this is the rebill of the true of the t
12 6 14 4		Aug-07 Jul-07	N	Trar Sale		55,518	3.2	N/A		4,774.6	0.0860		(0.46)	594.04	\$5,368	\$4,775	\$4,775	0.0000	\$0	\$4,775	\$4,775	\$0.	.86 adj for Jul.07 bill Shut off on June 2nd, back on Sept. 21st	Theorem 300 is to the mins - account was noted up to actual meter reading resuming in an overal creation 5007.57 metrins (mis is me rebuilt of July). The amount in "Other Charges" is the associated Energy Efficiency charge of \$594.04.
																								August 2007 bill includes a \$50.00 Yearly Admin Fee as noted in Tariff Section 5 Schedule G Sheet 6 Section 8.0 - The company in its
6																								discretion may enter into contracts to provide NS/NFT service with terms of one month or longer where in the company determines such contracts are necessary to maximize benifits to the company and its customer. Said contracts may supplement or vary the terms containted in the rate schedule. Customers that desire a negotiated Non Firm Sales MFS rain't va a standardized contract will be subject
12 14 4	Aug-07 Aug-07	Aug-07 Aug-07	N	Trar				N/A		50.0					\$50	\$50	\$50	0.0000	\$0	\$50	\$50	#DIV/0	0! Admin Fee Shut off on June 2nd, back on Sept. 21st	to an Administration charge of 50.00 each time a Non firm sales/non firm transportation rate is neglotated.
67 6	Sep-07	1	N	Trar	-			N/A		(9,775.9)					(\$9,776)	(\$9,776)	(\$9,776)	0.0000	\$0	(\$9,776)	(\$9.776)	#DIV/	0! adj for Sept.07 bill	Correction in pricing of contract - Originally charged .0100 per therm - This is the cancel of 977587.84 therms @ .0100 = 9775.88
67 6	Sep-07		N	Trar				N/A		9,580.4					\$9.580	\$9.580	\$9.580	0.0000	\$0	\$9.580	\$9.580		0! adj for Sept.07 bill	Correction in pricing of contract - Corrected charge of .0098 per therm - This is the rebill of 977587.84 therms @ .0098 = 9580.36
6 6	Oct-07	Oct-07	N	Sale	s		1.1	14.2	3.4888 3.5628					0.04	\$14	\$14	\$14	6.9900	\$3	\$11	\$11	\$27.	.89 gas during curtailment	Energy Efficency charge on Curtailment Penalties 4.08 thrms @ .0107 = .04
18 6 18 6	Oct-07 Oct-07	Oct-07	N	Sale	s	385	7.5	275.9	3.5628					4.12	\$1,376 \$277	\$276	\$1,372 \$276	6.9900	\$269 \$54	\$222	\$222	\$28.	.64 gas during curtailment .64 gas during curtailment	Energy Efficency charge on Curtailment Penalties 365.18 thrms @ .0107 = 4.12 Energy Efficency charge on Curtailment Penalties 77.46 thrms @ .0107 = .83
21 6 27 6	Oct-07 Oct-07		N	Sale		4.550		21.4 526.0	3.5016					0.07	\$21	\$21 \$8.526	\$21 \$8.526	6.9900 6.9900	\$4 \$3,181	\$17 \$5.345	\$17 \$5.345	\$28.	.02 gas during curtailment	Energy Efficency charge on Curtailment Penalties 4.08 thrms @ .0107 = .04
28 6	Oct-07 Oct-07		N	Sale		4,550		11.2	3.3658					48.69	\$8,575	\$0,520	\$6,526	6.9900	\$3,181	\$5,345	\$5,345 \$9	\$29.	.75 gas during curtailment .58 gas during curtailment	Energy Efficency charge on Curtailment Penalties 4550.85 thrms @ .0107 = 48.69 Commodity charge 3.06 thrms @ 3.65780 = 11.19
31 4	Oct-07		N	Sale				141.7	1.9048					0.80	\$143		\$142		\$52			\$12.	.06 gas during curtailment	Energy Efficency charge on Curtailment Penalties 74.40 thrms @ .0107 = .80
35 6	Oct-07 Oct-07		N	Sale		371		305.8	3.5108					4.11	\$1,310 \$7,189	\$1,306 \$7,168	\$1,306	6.9900	\$260 \$1,370	\$1,046 \$5,798	\$1,046		.12 gas during curtailment .59 gas during curtailment	Energy Efficency charge on Curtailment Penalties 384.17 thrms @ .0107 = 4.11 Energy Efficency charge on Curtailment Penalties 1959.54 thrms @ .0107 = 20.97
43 6	Oct-07	Oct-07	N	Sale	s	77		275.9	3.5628					0.83	\$277	\$276	\$276	6.9900	\$54	\$222	\$222		.64 gas during curtailment	Energy Efficency charge on Curtailment Penalties 77.45 thrms @ .0107 = .83
46 6	Oct-07		N	Sale	-	19			3.4888					0.21	\$68	\$68	\$68		\$14		\$54		.90 gas during curtailment	Energy Efficency charge on Curtailment Penalties 19.36 thrms @ .0107 = .21
57 6 45 4	Oct-07 Nov-07		N	Sale		21	.4	82.4	3.8525					0.23	\$83	\$82	\$82	6.9900 7.9900	\$15	\$67	\$67	\$31.	.53 gas during curtailment Shut down during winter	Energy Efficency charge on Curtailment Penalties 21.40 thrms @ .0107 = .23
60 6	Nov-07	Apr-08	N	Sale	s	(48,575	5.9) (48,	337.9)	0.9951				(76.18)	(519.76)	(\$48,934)	(\$48,338)	(\$48,338)	7.9900	(\$38,812	) (\$9,526)	(\$9,526)	) \$1.	.96 adj for Nov.07 bill	Prior period correction for November - We experienced a phone line issue whereby the meter was not calling in. Original estimated usag was trued up to a more reliable customer reading. This is the reversal of the original November bill. The "Other Charges" is the associated Energy Elfency charge of 48576 as Utrus @.0107 = 519.76
60 6	Nov-07		N	Sale		29,160			0.9951				45.98	312.01	\$29,376	\$29,018	\$29,018	7.9900	\$23,299	\$5,719	\$5,719		.96 adj for Nov.07 bill	Prior period correction for November - We experienced a phone line issue whereby the meter was not calling in. Original estimated usag was trued up to a more reliable customer reading. This is the rebill of the November bill. The 'Other Charges' is the associated Energy Efficiency charge for 29160.06 therms @ .0107 = 312.01
16 2 27 6	Dec-07 Dec-07		N	Sale		25.889			9.7200 2.8700					277.01	\$70 \$74,579	\$70 \$74,302	\$70	7.9534 7.9534	\$6	\$64 \$53,711	\$64 \$53,711		.25 gas during curtailment .75 gas during curtailment	Energy Efficency charge 7.18thrms @ .0107 = .08 Energy Efficency charge 25889.06 thrms @ .0107 =277.01
31 4	Oct-07		N	Sale		(3,206			1.3698				(141.32)	(34.31)	(\$4,568)	(\$4,393)	(\$4,393)				(\$2,151)		.71 adjustment cancel Oct 2007 bill	Original bill for October was based on an estimate due to a lack of actual readings. It was later determined that the customer was not using gas in October. This adjustment is a partial reversal of the original Oct 2007 bill.
4	Dec-07	Dec-07	N	Sale		(74		141.7)	1.9048					(0.80)	(\$143)	(\$142)	(\$142)	7.9534	(\$59	) (683)	(\$83)		.09 adjustment cancel Oct 2007 curtailment penalty	Original bill for October was based on an estimate due to a lack of actual readings. It was later determined that the customer was not using gas in October. This adjustment is a partial reversal of the original Oct 2007 bill.
40 6 45 4	Dec-07 Dec-07	Dec-07	N	Sale	s	· · · · · · · · · · · · · · · · · · ·			8.9000					0.16	\$128	(4.1-)	\$128	7.9534	\$11	\$116	\$116		.04 gas during curtailment Shut down during winter	Energy Efficency charge 14.36 thrms @ .0107 = .16
65 6			N	Sale		8	3.2	37.9	4.6100					0.09	\$38	\$38	\$38	7.9534	\$7	\$31	\$31	\$38.	1.15 gas during curtailment	Energy Efficency charge 8.21 thrms @ .0107 = .09
14 4	Jan-08		N	Sale	s	260			4.7300					1.64	\$1,234	\$1,233	\$1,233	7.9080	\$206	\$1,027	\$1,027	\$39.	.39 gas during curtailment	Energy Efficency charge 260.60 thrms @ .0107 = 1.64
27 6 35 6	Jan-08 Jan-08		N	Sale		5 70		423.3 527.6	5.9800 3.2000					0.76 30.28	\$1,049 \$4,558	\$423 \$4,528	\$1,048 \$4,528	7.9080 7.9080	\$56 \$1,119	\$992 \$3,409	\$367		.89 gas during curtailment .09 gas during curtailment	Energy Efficency charge 70.79 thms @ .0107 = .76
35 6						1,414	·									φ4,520	φ <del>1</del> ,520	1	φ1,115					Energy Efficency charge2829.72 thrms @ .0107 = 30.28 Customer was charged double for Energy Efficiency in the month of January - Credit Energy Efficency charge -1414.86 thrms @ .0107 =
35 0	Jan-08 Jan-08	Feb-08	N	Sale		1.097	7.8	069.0	0.0107				(0.48)	(15.14)	(\$16) \$8,069	\$0 \$8,069	\$0	7.9080	\$0 \$868	\$0 \$7,201	\$0 \$7,201	#DIV/0	0! adj for Jan. 08 bill .59 gas during curtailment	15.14 Energy Efficency charge 1294.83 thrms @ .0107 = 13.85
39 4	Jan-08	Jan-08	N	Sale	s	1	.0	8.3	8.0200						\$8	\$8	\$8	7.9080	\$1	\$7	\$7	\$72.	.29 gas during curtailment	1.03 thrms @ 8.02 = 8.26
39 4	Jan-08		N	Sale			k.1		3.2000					7.56	\$13	\$13	\$13	7.9080	\$3	\$10			.08 gas during curtailment	4.12 thrms @ 3.20 = 13.18
43 6 43 6	Jan-08 Jan-08		N	Sale		698		192.2 30.2	6.0000 7.3500					234.38	\$4,200 \$265	\$4,192	\$4,192 \$30	7.9080	\$553	\$3,640 \$27	\$3,640 \$27		.09 gas during curtailment .60 gas during curtailment	Energy Efficency charge 706.92 thrms @ .0107 = 7.56 Late payment charged calculated as set in tariff based on Advantage balance
45 4		Jan-08	N	Sale			_											7.9080	1				Shut down during winter	Customer had Duplicate contracts in LDCM which resulted in duplicate Customer charge for January - Credit for 625.00 customer charge
27 6	Jan-08	Feb-08	N	Trar	is (\$62	(5)		N/A					(19.32)		(\$644)	(\$0)	(\$625)	0.0000	\$0	(\$625)	(\$0)	) #DIV/0	0! adj. for Jan. 08 bill	and 19.32 gross earnings tax
67 6	Jan-08	May-08	N	Trar	IS	(141,998	3.4)	N/A		(1,384.5)	0.0098				(\$1,384)	(\$1,384)	(\$1,384)	0.0000	\$0	(\$1,384)	(\$1,384)	\$0.	.10 adj for Jan.08 bill	We experienced an issue with spiked usage from the Meter Reading system for January 2008 that was not recognized as an error until system parameters were changed. This is the reversal of that original billed 141998.40 thems @ .00975 = -1384.48 We experienced an issue with spiked usage from the Meter Reading system for January 2008 that was not recognized as an error until with experienced an issue with spiked usage from the Meter Reading system for January 2008 that was not recognized as an error until
67 6		May-08	N	Trar		40,424		N/A		394.1	0.0098				\$394	\$394	\$394	0.0000		\$394	\$394		.10 adj for Jan.08 bill	system parameters were changed. This is the corrected rebill of 40424.40 therms @ .00975 = 394.14
35 6 45 4	Feb-08 Feb-08	Apr-08	N	Sale				30.9							\$31	\$31	\$31	8.8320 8.8320	\$0	\$31	\$31	#DIV/0	0! adj for Feb. 08 bill Shut down during winter	This is a reversal for a payment was aplied to the account in error
15 6	Feb-08		N	Trar		166,584	1.4	N/A		24,338.0	0.1461		807.85	1,782.46	\$26,928	\$24,338	\$24,338	0.0020	\$0	\$24,338	\$24,338	\$1.	.46 adj for Feb. 08 bill	Billing failed to bill distribution and Energy Efficiency due to an inconsistency in the contract in LDCM and the Meter Reading system. W had to enter these two charges manually for therms of 166584.44
6	Feb-08	May-08	N	Trar	IS	(1,019,741	1.4)	N/A		(9,942.5)	0.0098				(\$9,942)	(\$9,942)	(\$9,942)	0.0000	\$0	(\$9,942)	(\$9,942)	\$0.	.10 adj for Feb. 08 bill	We experienced an issue with spiked usage from the Meter Reading system for February 2008 that was not recognized as an error until system parameters were changed. This is the reversal of that original billed 1019741.40 thms @.00075 – .9942.48 We experienced an issue with spiked usage from the Wefer Reading system for February 2008 that was not recognized as an error until it
67 6	Feb-08		N	Trar		88,441		N/A		862.3	0.0098				\$862	\$862	\$862	0.0000	\$0	\$862	\$862		.10 adj for Feb. 08 bill	system parameters were changed. This is the corrected rebill of 88441.20 @ .0975 = 862.31
25 6	Mar-08 Mar-08		N	Sale		(64,548			1.2340				(0.46)	(690.67) 696.34	(\$80,344)	(\$79,653) \$80,306	(\$79,653)	9.9890 9.9890	(\$64,478 \$65,007		(\$15,175) \$15,300		1.35 adj for Mar. 08 bill	Customer had missing usage for March billing period - This is the reversal of that original billed 64548.74 therms
25 6 45 4	Mar-08		N	Sale		05,078	80,	000.4	1.2340					050.34	\$81,003	φου,306	\$80,306	9.9890	\$05,007	\$15,300	φ10,300	φ2.	2.35 adj for Mar. 08 bill Shut down during winter	Customer had missing usage for March billing period - This is the reversal of that original billed 65078.14 therms
16 2	Mar-08	Apr-08	N	Trar	is	(563,862		N/A		(39,470.4)				(6,033.33)	(\$45,504)	(\$39,470)	(\$39,470)	0.0000	\$0	(\$39,470)	(\$39,470)	1	.70 adj for Mar. 08 bill	We experienced an issue with spiked usage from the Meter Reading system for March 2008 that was not recognized as an error until system parameters were changed. This is the reversal of that original billed 563862.94 therms We experienced an issue with spiked usage from the Meter Reading system for March 2008 that was not recognized as an error until the experienced and issue with spiked usage from the Meter Reading system for March 2008 that was not recognized as an error until the experienced and the system of the Meter Reading system for March 2008 that was not recognized as an error until the system of the system of the system of the Meter Reading system for March 2008 that was not recognized as an error until the system of the system of the system of the system of March 2008 that was not recognized as an error until the system of the system of the system of the system of March 2008 that was not recognized as an error until the system of the system of the system of the system of March 2008 that was not recognized as an error until the system of the system of the system of the system of March 2008 that was not recognized as an error until the system of the system of the system of March 2008 that was not recognized as an error until the system of the system of the system of the system of March 2008 that was not recognized as an error until the system of the system of the system of the system of March 2008 that was not recognized as an error until the system of the system of the system of the system of March 2008 that was not recognized as an error until the system of the system of the system of the system of March 2008 that was not recognized as an error until the system of the s
16 2	Mar-08		N	Trar		505,171		N/A		35,362.0				5,405.34	\$40,767	\$35,362	\$35,362	0.0000	\$0	\$35,362	\$35,362		.70 adj for Mar. 08 bill	system parameters were changed. This is the corrected rebill of 505171.64 therms
67 6 67 6	Mar-08 Mar-08		N	Trar Trar		(7,110 85,332	9.4	N/A N/A		(69.0) 827.7	0.0097				(\$69) \$828	(\$69) \$828	(\$69) \$828	0.0000	\$0 ¢n	(\$69) \$828	(\$69) \$828	) \$0. \$0	1.10 adj for Mar.08 bill 1.10 adj for Mar.08 bill	Incorrect meter readings received for March 2008 - This is the reversal of original billed -7110.18 thrms @ .00970 = -68.97 Incorrect meter readings received for March 2008 - This is the corrected rebill 85332.42 @ 0.00975 = 827.72
67 6		May-08	N	Trar		(133,267		N/A		(1,299.4)					(\$1,299)	(\$1,299)	(\$1,299)	0.0000	\$0	(\$1,299)	(\$1,299)		10 adj for Apr.08 bill	We experienced an issue with spiked usage from the Meter Reading system for April 2008 that was not recognized as an error until system parameters were changed. This is the reversal of that original billed -133267.4 therms @.009758 - 1299.35
67 6		May-08	N	Trar		101,738		N/A			0.0098				\$987	\$987	\$987	0.0000	¢0	\$987	\$987		1.10 adj for Apr.08 bill	We experienced an issue with spiked usage from the Meter Reading system for April 2008 that was not recognized as an error until system parameters were changed. This is the corrected rebill of 101738.16 @ .00970 = 986.86
07	Api-06	way-uo	IN	1 mar	10	101,730	J.C	11//1		500.5	0.0030				φ967	φ <del>3</del> 6/	φ967	1 0.0000	1 30	φ307	φ907	φU.	. rojauj ior Apr.00 bili	pysiem parameters were enanged. This is the contected feelin of 1017-36 to @ .00970 = 860.50

# <u>DIV 1-17</u>

Request:

Re: Attachment PCC-5, pages 4-12, and Updated Attachment PCC-5, pages 4-12, please:

- a. Document the Company's determination of gas costs billed for each month from July 2007 through June 2008.
- b. Explain how and when the gas costs used for billing service to non-firm customers are reconciled with actual gas costs incurred to serve such customers within the determination of margins subject to sharing for each month from July 2007 through June 2008.
- c. Document the calculation of all penalties, or additional charges, for gas use during a period of curtailment that were billed to each non-firm customer for each month from July 2007 through June 2008.

# Response:

- a. As shown in schedule PCC-5, pages 4-12, the gas costs billed to customers is the product of the metered use and the gas cost rate. Attached is a schedule showing the calculation of the gas cost rate used in each month from July 2007 through June 2008.
- b. Gas costs used for billing non-firm customers are initially estimated during the accounting close process done performed each month. The estimated amount is subtracted from total gas costs to determine the estimated gas costs for firm customers. In the following month, after customer bills have been prepared, the estimated costs are reconciled with the actual gas costs billed to non-firm customers and the difference is debited or credited to gas costs as part of the overall reconciliation of gas costs which is done to insure that gas costs match invoices.
- c. Two daily unauthorized curtailment penalty rates are calculated for customers served by Tennessee and Algonquin citygates. Customer location determines which rate is used for a particular customer. For both Tennessee and Algonquin, the highest cost of gas for the day is provided by Gas Supply. That number is adjusted for line loss and multiplied by 5, consistent with Section 5, Schedule G, Sheet 5, section 5.0 of the tariff. Details of curtailment penalty charges are provided in Attachment to DIV 1-17c.

Prepared by or under the supervision of: Gary Beland

For authorized use during a curtailment, the maximum system rate is calculated as follows: ((demand rate divided by the number of days in the month) plus distribution charge plus energy efficiency surcharge plus DAC plus GCR plus authorized maximum system cost per therm) multiplied by the number of therms.

	Jul-07	
Columbia Supply (Appalachia) - AGT Commodity on TCO	0.0164	per Dth
Commodity on AGT Fuel on TCO	0.0128 1.989%	
Fuel on AGT Total Delivered to City Gate	0.66%	per Dth
Unaccounted for factor	2.46%	
Gas Cost at Customer	\$7.79	per Dth
	Aug-07	
TENNESSEE ZN 0 100 leg	-	per Dth
Commodity to zone 6 Fuel to zone 6	0.1624 7.42%	
Total Delivered to City Gate		per Dth
Unaccounted for factor	2.46%	
Gas Cost at Customer	\$6.72	per Dth
	Sep-07	
TENNESSEE ZN 0 100 leg		per Dth
Commodity to zone 6 Fuel to zone 6	0.1624 7.42%	
Total Delivered to City Gate		per Dth
Unaccounted for factor	2.46%	
Gas Cost at Customer	\$5.98	per Dth
	<u>Oct-07</u>	
Columbia Supply (Appalachia) - AGT		per Dth
Commodity on TCO	0.0164	
Commodity on AGT Fuel on TCO	0.0128 1.989%	
Fuel on AGT	0.66%	
Total Delivered to City Gate	6.82	per Dth
Unaccounted for factor	2.46%	Dil
Gas Cost at Customer	\$6.99	per Dth
	<u>Nov-07</u>	
Columbia Supply (Appalachia) - AGT	\$7.5490	per Dth
Commodity on TCO Commodity on AGT	0.0164 0.0128	
Fuel on TCO	1.989%	
Fuel on AGT	0.66%	
Total Delivered to City Gate		per Dth
Unaccounted for factor	2.57%	nor Dth
Gas Cost at Customer	\$1.99	per Dth

#### Dec-07

<u>Jan-08</u>

Feb-08

Columbia Supply (Appalachia) - AGT	\$7.46 per Dth
Commodity on TCO	0.0167
Commodity on AGT	0.0131
Fuel on TCO	1.989%
Fuel on AGT	1.35%
Total Delivered to City Gate	7.75 per Dth
Unaccounted for factor	2.57%
Gas Cost at Customer	\$7.95 per Dth

Columbia Supply (Appalachia) - AGT	<b>\$7.42</b> per Dth
Commodity on TCO	0.0167
Commodity on AGT	0.0131
Fuel on TCO	1.989%
Fuel on AGT	1.32%
Total Delivered to City Gate	7.70 per Dth
Unaccounted for factor	2.57%
Gas Cost at Customer	\$7.91 per Dth

Columbia Supply (Appalachia) - AGT	\$8.29 per Dth
Commodity on TCO	0.0167
Commodity on AGT	0.0131
Fuel on TCO	1.989%
Fuel on AGT	1.32%
Total Delivered to City Gate	8.60 per Dth
Unaccounted for factor	2.57%
Gas Cost at Customer	\$8.83 per Dth

	<u>Mar-08</u>
Columbia Supply (Appalachia) - AGT	<b>\$9.38</b> per Dth
Commodity on TCO	0.0167
Commodity on AGT	0.0131
Fuel on TCO	1.989%
Fuel on AGT	1.32%
Total Delivered to City Gate	9.73 per Dth
Unaccounted for factor	2.57%
Gas Cost at Customer	\$9.99 per Dth

	<u>Apr-08</u>
Columbia Supply (Appalachia) - AGT	<b>\$9.38</b> per Dth
Commodity on TCO	0.0167
Commodity on AGT	0.0131
Fuel on TCO	1.989%
Fuel on AGT	1.32%
Total Delivered to City Gate	9.73 per Dth
Unaccounted for factor	2.57%
Gas Cost at Customer	\$9.99 per Dth

#### <u>May-08</u>

TENNESSEE ZN 1 500 leg	<b>\$11.279</b> per Dth
Commodity to zone 6	0.1522
Fuel to zone 6	6.67%
Total Delivered to City Gate	<b>12.24</b> per Dth
Unaccounted for factor	2.57%
Gas Cost at Customer	\$12.56 per Dth

#### <u>Jun-08</u>

Columbia Supply (Appalachia) - AGT	\$12.44 per Dth
Commodity on TCO	0.0167
Commodity on AGT	0.0131
Fuel on TCO	1.989%
Fuel on AGT	0.61%
Total Delivered to City Gate	12.80 per Dth
Unaccounted for factor	2.57%
Gas Cost at Customer	\$13.13 per Dth

#### Curtailment Charge Calculations - October 2007

	10	/28/2007	1	0/29/2007	1	0/30/2007	10	/31/2007
UNAUTHORIZED ALGONQUIN DAILY INDEX/DTH	\$	6.8100	\$	6.8100	\$	7.1400	\$	7.5150
UNAUTHORIZED ALGONQUIN DAILY INDEX/THERM	\$	3.4888	\$	3.4888	\$	3.6578	\$	3.8499
UNAUTHORIZED TENNESSEE DAILY INDEX/DTH	\$	6.8350	\$	6.8350	\$	7.1850	\$	7.5200
UNAUTHORIZED TENNESSEE DAILY INDEX/THERM	\$	3.5016	\$	3.5016	\$	3.6809	\$	3.8525
AUTHORIZED MAX SYSTEM/DTH	\$	6.8661	\$	6.8661	\$	7.1809	\$	7.5773
AUTHORIZED MAX SYSTEM/THERM	\$	0.7035	\$	0.7035	\$	0.7358	\$	0.7764

#### THERM CONSUMPTION DURING CURTAILMENT

ASSIGNED #	10/28/2007	10/29/2007	10/30/2007	10/31/2007	TOTAL
28	0	0	3	0	3
31	15	15	21	22	74
35	313	23	24	11	372
36	0	0	1,960	0	1,960
43	0	56	0	0	56
46	19	0	0	0	19
57	0	0	0	21	21
18	143	111	131		385
21	6		0	0	6
27		4,551	0	0	4,551
6		4	0	0	4
TOTAL	523	4,764	2,144	55	7,486

#### PENALTY DOLLARS

ASSIGNED #	INDEX	10/28/2007	10/29/2007	10/30/2007	10/31/2007	TOTAL	\$/DTH
28	ALGONQUIN	\$0	\$0	\$11	\$0	\$11	\$36.58
31	AUTHORIZED	\$29	\$29	\$41	\$44	\$142	\$19.05
35	ALGONQUIN	\$1,091	\$82	\$89	\$43	\$1,306	\$35.11
36	ALGONQUIN	\$0	\$0	\$7,168	\$0	\$7,168	\$36.58
43	ALGONQUIN	\$0	\$196	\$0	\$0	\$196	\$34.89
46	ALGONQUIN	\$68	\$0	\$0	\$0	\$68	\$34.89
57	TENNESSEE	\$0	\$0	\$0	\$82	\$82	\$38.52
18	TENNESSEE	\$500	\$389	\$484	\$0	\$1,372	\$35.63
21	TENNESSEE	\$21	\$0	\$0	\$0	\$21	\$35.02
27	AUTHORIZED	\$0	\$8,526	\$0	\$0	\$8,526	\$18.74
6	ALGONQUIN	\$0	\$14	\$0	\$0	\$14	\$34.89
TOTAL	=	\$1,723	\$9,246	\$7,808	\$169	\$18,946	

Applicable firm rate extra large low load factor

Applicable firm rate extra large low load factor

Use on gas day 10/28 took place between 8 & 10 am on 10/29

Use on gas day 10/28 took place between 5 & 6 am on 10/29

#### Curtailment Charge Calculations - December 2007

	12/16/2007	12/17/2007	12/18/2007	12/19/2007
UNAUTHORIZED ALGONQUIN DAILY INDEX/DTH	\$ 17.3450	\$ 17.3450	\$ 20.1450	\$ 11.1700
UNAUTHORIZED ALGONQUIN DAILY INDEX/THERM	\$ 8.8954	\$ 8.8954	\$ 10.3314	\$ 5.7285
UNAUTHORIZED TENNESSEE DAILY INDEX/DTH	\$ 16.2000	\$ 16.2000	\$ 18.0650	\$ 8.9850
UNAUTHORIZED TENNESSEE DAILY INDEX/THERM	\$ 8.3082	\$ 8.3082	\$ 9.2646	\$ 4.6080
AUTHORIZED MAX SYSTEM/DTH	\$ 16.7532	\$ 16.7532	\$ 18.5384	\$ 9.2279
AUTHORIZED MAX SYSTEM/THERM	\$ 1.7184	\$ 1.7184	\$ 1.9015	\$ 0.9465

#### THERM CONSUMPTION DURING CURTAILMENT

ASSIGNED #	12/16/2007	12/17/2007	12/18/2007	12/19/2007	
27	5,699	20,190	0	0	25,889
16	0	3.078	4.104	0	7
65	0	0	0	8.21	8
43	0	0	0	1.03	1
39	1.03	0	1.03	0	2
40	14.36	0	0	0	14
TOTAL	5,714	20,193	5	9	25,922

#### PENALTY DOLLARS

ASSIGNED #	INDEX	12/16/2007	12/17/2007	12/18/2007	12/19/2007		\$/DTH
27	AUTHORIZED	\$16,384	\$58,042	\$0	\$0	\$74,426	\$28.75
16	ALGONQUIN	\$0	\$27	\$42	\$0	\$70	\$97.16
65	TENNESSEE	\$0	\$0	\$0	\$38	\$38	\$46.08
43	ALGONQUIN	\$0	\$0	\$0	\$6	\$6	\$57.29
39	ALGONQUIN	\$9	\$0	\$11	\$0	\$20	\$96.13
40	ALGONQUIN	\$128	\$0	\$0	\$0	\$128	\$88.95
TOTAL		\$16,520	\$58,070	\$53	\$44	\$74,687	

#### Curtailment Charge Calculations - January 2008

	01/01/2008	01/02/2008	01/03/2008	01/04/2008	01/19/2008	01/20/2008	01/21/2008	01/22/2008	01/23/2008	01/24/2008	01/25/2008	01/26/2008	01/27/2008	TOTAL
UNAUTHORIZED ALGONQUIN DAILY INDEX/DTH	\$ 11.6600 \$	11.6600 \$	22.3250 \$	12.1750 \$	17.9900 \$	17.9900 \$	17.9900 \$	17.9900 \$	13.6500 \$	14.2150 \$	15.7100 \$	10.1950	\$ 10.1950	
UNAUTHORIZED ALGONQUIN DAILY INDEX/THERM	\$ 5.9798 \$	5.9798 \$	11.4494 \$	6.2439 \$	9.2262 \$	9.2262 \$	9.2262 \$	9.2262 \$	7.0004 \$	7.2902 \$	8.0569 \$	5.2285	\$ 5.2285	
UNAUTHORIZED TENNESSEE DAILY INDEX/DTH	\$ 10.6800 \$	10.6800 \$	18.3400 \$	11.1000 \$	15.9000 \$	15.9000 \$	15.9000 \$	15.9000 \$	12.9600 \$	13.9100 \$	15.0150 \$	9.8650	\$ 9.8650	
UNAUTHORIZED TENNESSEE DAILY INDEX/THERM	\$ 5.4772 \$	5.4772 \$	9.4057 \$	5.6926 \$	8.1543 \$	8.1543 \$	8.1543 \$	8.1543 \$	6.6465 \$	7.1337 \$	7.7004 \$	5.0593	\$ 5.0593	
AUTHORIZED MAX SYSTEM/DTH	\$ 11.5061 \$	11.5061 \$	22.0303 \$	12.0143 \$	17.7525 \$	17.7525 \$	17.7525 \$	17.7525 \$	14.3910 \$	14.0274 \$	15.5026 \$	9.7234	\$ 9.7234	
AUTHORIZED MAX SYSTEM/THERM	\$ 1.1802 \$	1.1802 \$	2.2596 \$	1.2323 \$	1.8209 \$	1.8209 \$	1.8209 \$	1.8209 \$	1.4761 \$	1.4388 \$	1.5901 \$	0.9973	\$ 0.9973	

								T	HERM CONSUMI		CURTAILMENT			
ASSIGNED #	01/01/2008	01/02/2008	01/03/2008	01/04/2008	01/19/2008	01/20/2008	01/21/2008	01/22/2008	01/23/2008	01/24/2008	01/25/2008	01/26/2008	01/27/2008	TOTAL
27	0.00	70.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71
37	276.51	280.35	260.35	279.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,097
43	653.56	45.14	1.03	0.00	0.00	1.03	0.00	0.00	1.03	0.00	2.05	0.00	1.03	705
16	4.10	4.10	3.08	4.10	4.10	14.36	22.57	4.10	7.18	7.18	7.18	4.10	10.26	96
57	0.06	0.11	0.11	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
33	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
42	0.00	0.00	0.00	0.00	532.49	595.08	584.82	514.03	517.10	84.13	0.00	0.00	0.00	2,828
50	28.73	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00	0.00	0.00	30
30	133.38	296.51	445.28	516.08	196.99	188.78	332.42	288.31	264.71	416.56	399.11	306.77	318.06	4,103
35	0.00	0.00	0.00	60.53	12.31	0.00	0.00	0.00	72.85	652.54	653.56	23.60	0.00	1,475
39	0.00	1.00	1.00	0.00	0.00	1.03	1.03	0.00	1.03	0.00	1.03	0.00	1.03	7
65	2,010.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,011
18	0.00	0.00	0.00	0.00	0.00	37.96	23.60	0.00	0.00	0.00	23.60	0.00	45.14	130
14	0.00	0.00	0.00	0.00	49.25	0.00	0.00	29.75	181.60	0.00	0.00	0.00	0.00	261
TOTAL	3,107	698	711	860	798	838	965	836	1,046	1,160	1,087	334	376	12,817

#### PENALTY DOLLARS

ASSIGNED #	INDEX	01/01/2008	01/02/2008	01/03/2008	01/04/2008	01/19/2008	01/20/2008	01/21/2008	01/22/2008	01/23/2008	01/24/2008	01/25/2008	01/26/2008	01/27/2008	TOTAL	\$/DTH
27	ALGONQUIN	\$0	\$423	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$423	\$59.80
37	ALGONQUIN	\$1,653	\$1,676	\$2,981	\$1,746	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,056	\$73.45
43	ALGONQUIN	\$3,908	\$270	\$12	\$0	\$0	\$9	\$0	\$0	\$7	\$0	\$17	\$0	\$5	\$4,228	\$59.99
16	ALGONQUIN	\$25	\$25	\$35	\$26	\$38	\$133	\$208	\$38	\$50	\$52	\$58	\$21	\$54	\$762	\$79.02
57	TENNESSEE	\$0	\$1	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2	\$67.86
33	ALGONQUIN	\$0	\$0	\$0	\$0	\$28	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28	\$92.26
36	ALGONQUIN	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	#DIV/0!
42	ALGONQUIN	\$0	\$0	\$0	\$0	\$1,659	\$1,854	\$1,822	\$1,601	\$1,433	\$230	\$0	\$0	\$0	\$8,598	\$30.41
50	TENNESSEE	\$157	\$0	\$0	\$0	\$0	\$0	\$8	\$0	\$0	\$0	\$0	\$0	\$0	\$166	\$55.70
30	ALGONQUIN	\$798	\$1,773	\$5,098	\$3,222	\$1,817	\$1,742	\$3,067	\$2,660	\$1,853	\$3,037	\$3,216	\$1,604	\$1,663	\$31,550	\$76.90
35	ALGONQUIN	\$0	\$0	\$0	\$378	\$114	\$0	\$0	\$0	\$510	\$1,783	\$1,885	\$54	\$0	\$4,724	\$32.02
39	ALGONQUIN	\$0	\$6	\$11	\$0	\$0	\$10	\$10	\$0	\$7	\$0	\$8	\$0	\$5	\$57	\$80.18
65	TENNESSEE	\$11,015	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,015	\$54.77
18	TENNESSEE	\$0	\$0	\$0	\$0	\$0	\$310	\$192	\$0	\$0	\$0	\$182	\$0	\$228	\$912	\$70.00
14	ALGONQUIN	\$0	\$0	\$0	\$0	\$454	\$0	\$0	\$274	\$503	\$0	\$0	\$0	\$0	\$1,232	\$47.27
TOTAL		\$17,556	\$4,174	\$8,138	\$5,372	\$4,110	\$4,056	\$5,307	\$4,574	\$4,363	\$5,102	\$5,365	\$1,679	\$1,956	\$71,754	