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Division of Waste Management
UST Section
Mooresville Regional Office

NATURAL ATTENUATION MONITORING REPORT
SECREST GROCERY
3501 ROCKY RIVER ROAD
MONROE, UNION COUNTY, NORTH CAROLINA
GROUNDWATER INCIDENT No. 6185
SHIELD PROJECT #1010087
June 2008

Responsible Party:

Catawba Oil Company
P.O. Box 848
Monroe, NC 28110

Contact:
Mr. Gordon Plyler
(704) 283-2222

Consultant:

Shield Engineering, Inc.
4301 Taggart Creek Road
Charlotte, NC 28208

Contact:
Colleen Clark
(704) 394-6913

Property Owner(s):

Ivan Secrest
3501 Rocky River Road
Monroe, NC 28110
UST Owner: Catawba Oil Company

Contact:
Ivan Secrest (704)-283-4651
Gordon Plyler (704) 283-2222

Site Risk Classification: High

Land Use Category: Residential

Site Latitude: 35.0583° North

Site Longitude: 80.5936°West

Release Discovered: Four underground storage tanks were removed on April 26, 1989. One monitoring well was installed on April 9, 1990

Quantity Released: Unknown

Suspected Release Source(s): USTs, lines and/or dispensers.

Release Cause: Unknown.

Colleen Clark /CT
Colleen S. Clark, P.G.
Registered, NC #2077
Project Manager

7-22-08
Greg D. Icenhour, P.G.
Registered, NC #883
Principal

July 18, 2008

SHIELD ENGINEERING, INC.

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1.0 DISCUSSION OF SAMPLING RESULTS

1.1 Site Monitoring Requirements:

Site Monitoring Requirements Based on CAP and/or NORR		
Sample Point Type	**Total Quantity of Existing Sample Points and Their Identification**	**Required by NCDENR to be Monitored and Sampled per CAP and/or NORR**
Monitoring Wells	10 (MW-1, MW-1A, MW-2, MW-2A, MW-3, MW-3A, MW-4, MW-4A, MW-6, and MW-7)	5 (MW-1A, MW-2A, MW-3A, MW-4A, and MW-6)
Water Supply Wells	7(1) (see figure 3)	3(2) (WSW-1 and WSW-2)

NOTES:
(1) Number of wells located within 1,000 feet of site.
(2) Individual wells identified by NCDENR for specific sampling as approved on Pre-Approval Task Authorization 6185-09

1.2 Summary of Analytical Results and Free Product Thickness(s):

1.2.1 Date(s) of Sampling Events: June, 18 2008

1.2.2 Existing Area Receptors:

- Water supply well information verification for each water supply well located within the 1,500 foot radius was requested in the letter dated September 17, 2007 submitted by Edward G. Leach from NCDENR Mooresville Office. Shield Engineering, Inc. submitted the requested water supply well information via facsimile to Mr. Leach on November 5, 2007.

  Refer to the following Figure for information and locations of area receptors.

  Refer to Figure: Figure 3

1.2.3 Groundwater Flow Direction:

- The current groundwater flow direction is to the west. Current Groundwater Elevation Data is included in the following Table, Figure and Appendix:

Refer to Table: Table 1
Refer to Figure: Figure 4
Refer to Appendix: Appendix A

1.2.4 Free Product:

- Free Product Detected During this Reporting Period?: No

1.2.5 Groundwater Analytical Results:

- Sampled Points and Analytical Methods:

  The following monitoring wells were sampled on June 18, 2008.

Sampled Points and Analytical Methods for this Reporting Period Based on CAP and Pre-Approval Task Authorization Sampling Requirements		
Type	**Points Sampled during this Reporting Period**	**Analytical Method(s)**
Monitoring Wells	(5) Wells (MW-1A, MW-2A, MW-3A, and MW-4A, MW-6)	• EPA Method 602 (+MTBE, IPE, total xylenes), • 3030C Lead
Water Supply Wells	No water supply wells were sampled during this sampling period	N/A

NOTES:

- Laboratory Used: Pace Analytical Services, Inc., Huntersville, North Carolina

- Current Groundwater Analytical Data:

  Refer to the following Table and Appendix for current groundwater analytical data.

  Refer to Table: Table 2
  Refer to Appendix: Appendix B

- Historical Groundwater Analytical Data:

  Refer to the following Table for historical groundwater analytical data.

  Refer to Table: Table 2

- Dissolved Phase Plume Size and Location:

  No plume was located during this sampling period as all samples came back non-detect

- Proximity of Plume to Nearest Receptor:

  No plume was located during this sampling period as all samples came back non-detect

- Predictive Rate of Contaminant Transport:

  No plume was located during this sampling period as all samples came back non-detect

1.2.6 Other Field Data Collected:

- Field data collected during the sampling event is presented on the field data sheets:

  Refer to Appendix: Appendix A

2.0 CONCLUSIONS AND RECOMMENDATIONS

2.1 Progress of Clean-up/Plume Status:

- Dissolved phase petroleum constituent compounds were non-detect in all sample taken

Refer to Tables: Table 1 and Table 2
Refer to Figures: N/A

2.2 Recommendations:

- Due to the non-detect status of all of the wells for this sampling period. One further sampling event is suggested as scheduled for January. If the January sampling event continues to show non-detect for all wells a No Further Action (NFA) will be requested.

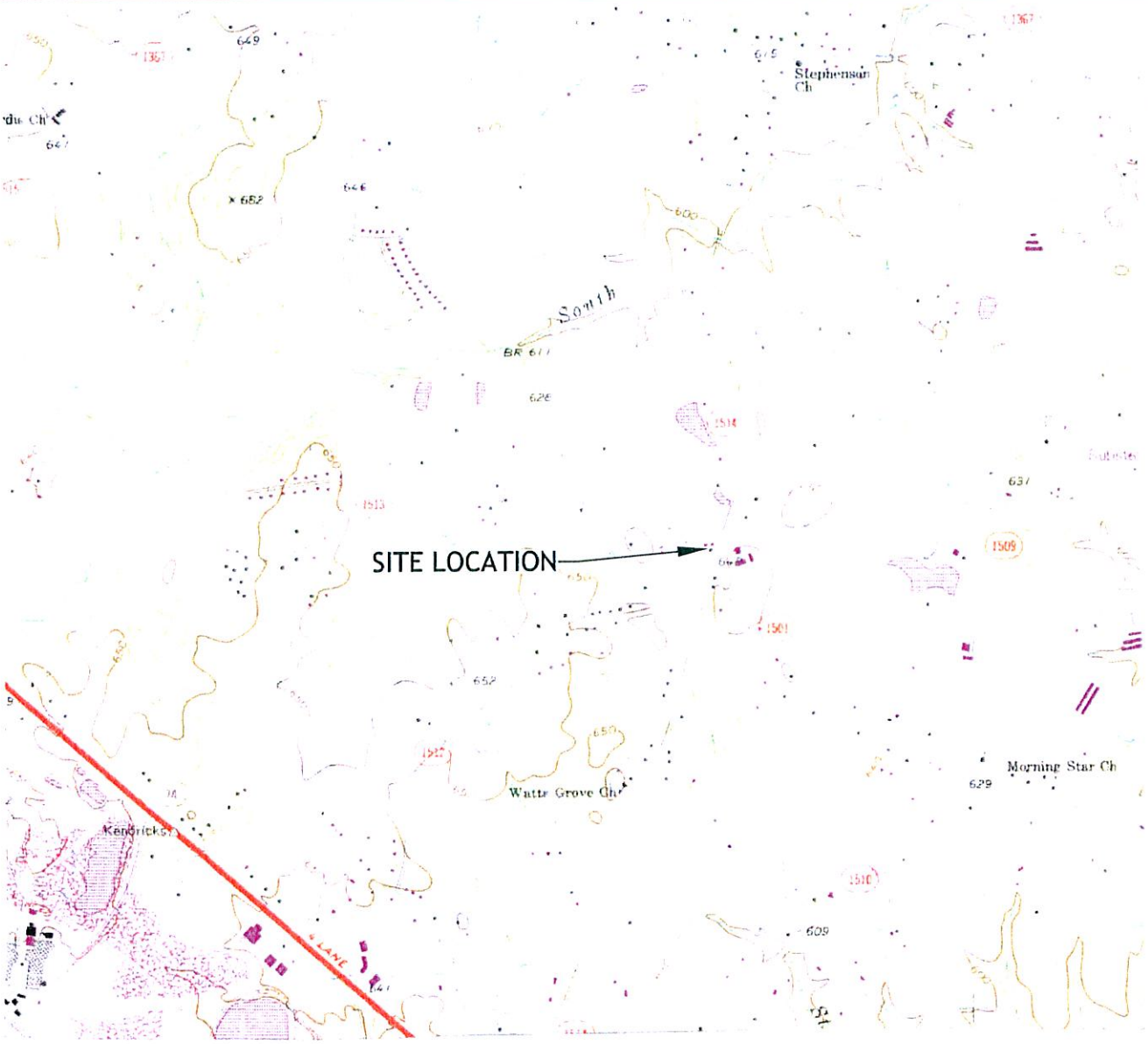
3.0 LIMITATIONS

Shield has performed environmental services at the subject site on behalf of Catawba Oil Company. Shield has performed this scope of work as an independent contractor/consultant using reasonable care and skill in accordance and consistent with customary industry standards of engineering, geology, and hydrogeology practices. This standard of care is the sole and exclusive standard of care that can be applied to measure Shield's performance of the work. No other warranty, expressed or implied, is made or intended by Shield.

Catawba Oil Company has prepared the report for the exclusive use. All recommendations, findings, and conclusions made by Shield have been made to the best of Shield's knowledge, opinion, and belief, based upon information obtained during this scope of work and is limited by the scope nature and type of services as agreed upon between Catawba Oil Company and Shield. Conclusions are provided with the understanding that Shield is presenting information and not rendering legal advice. If such advice is needed, legal counsel should be consulted. It is the responsibility of Catawba Oil Company, under advice of its counsel, to notify the appropriate federal, state, or local public agencies as required by law; or otherwise to disclose in a timely manner, any information that may be necessary to prevent damage to human health, safety, or the environment.

Compliance with recommendations provided as part of this report in no way assures compliance with federal, state, and/or local laws, regulations, and/or requirements. Analytical data has been obtained from Pace Analytical Services, Inc. This information, to the extent that it was relied on to generate this report, is assumed to be correct and complete. The work performed in conjunction with this report and the data developed are intended as a description of available information at the dates and specific locations given. Shield is not responsible for inspecting, examining, or reporting findings or recommendations with respect to any conditions that were knowingly or unknowingly withheld, concealed, hidden, or in any way not disclosed or observable at the time of this scope of work.

FIGURE(S)



SCALE 1:24,000

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

5.5° 98 MILS 0°15' 4 MILS

UTM GRID AND 1987 MAGNETIC NORTH DECLARATION AT CENTER OF SHEET

N.C.

QUADRANGLE LOCATION

BAKERS, NC
35080-A5-TF-024

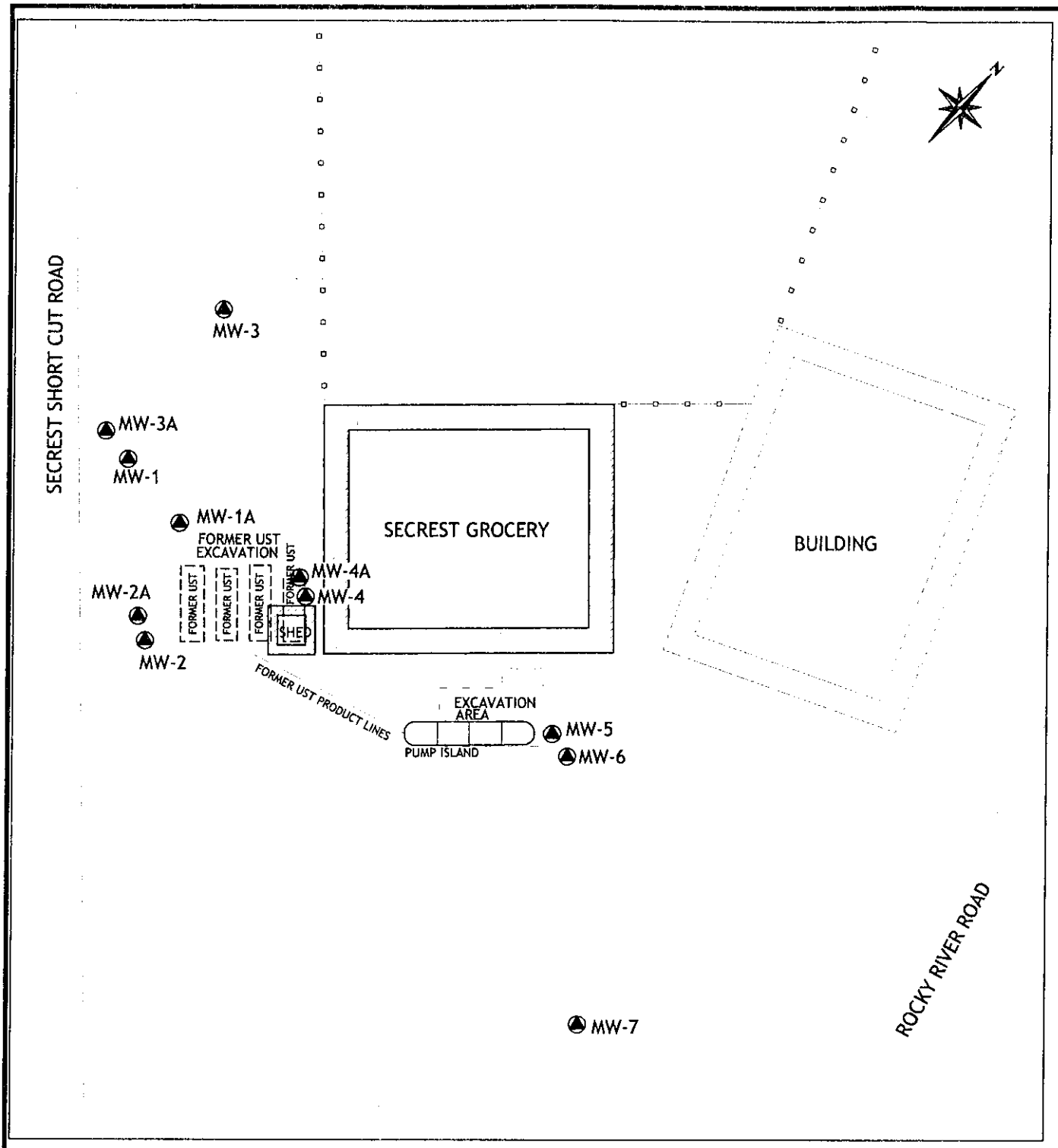
SHIELD ENGINEERING, INC.
4301 TAGGART CREEK ROAD
CHARLOTTE, NC 28208
704-394-6913
704-394-6966 fax
www.shieldengineering.com

SITE LOCATION MAP

SECREST GROCERY
MONROE, UNION COUNTY, NORTH CAROLINA
SHIELD # 1010087

DATE :	02/08/05	DRAWN BY :	DE
SCALE :	AS SHOWN	FIGURE :	1

H:ASSESSMENT\2001\1010087\FIGURES\1010087SL



GRAPHIC SCALE

0 15 22.5 30

SCALE: 1 in. = 30 ft.

LEGEND:

FENCE LINE

PRODUCT LINE

MONITORING WELL LOCATION

ABANDONED MONITORING WELL

NOTES:
1- REFERENCE: SITE MAP BASED ON FIELD SKETCH BY SHIELD PERSONNEL.
2- ALL LOCATIONS ARE APPROXIMATE.
3- MONITORING WELLS MW-1A AND MW-3A WERE RELOCATED PER SITE INVESTIGATION BY SHIELD PERSONNEL ON 6-18-08.

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www.shieldengineering.com

SITE MAP

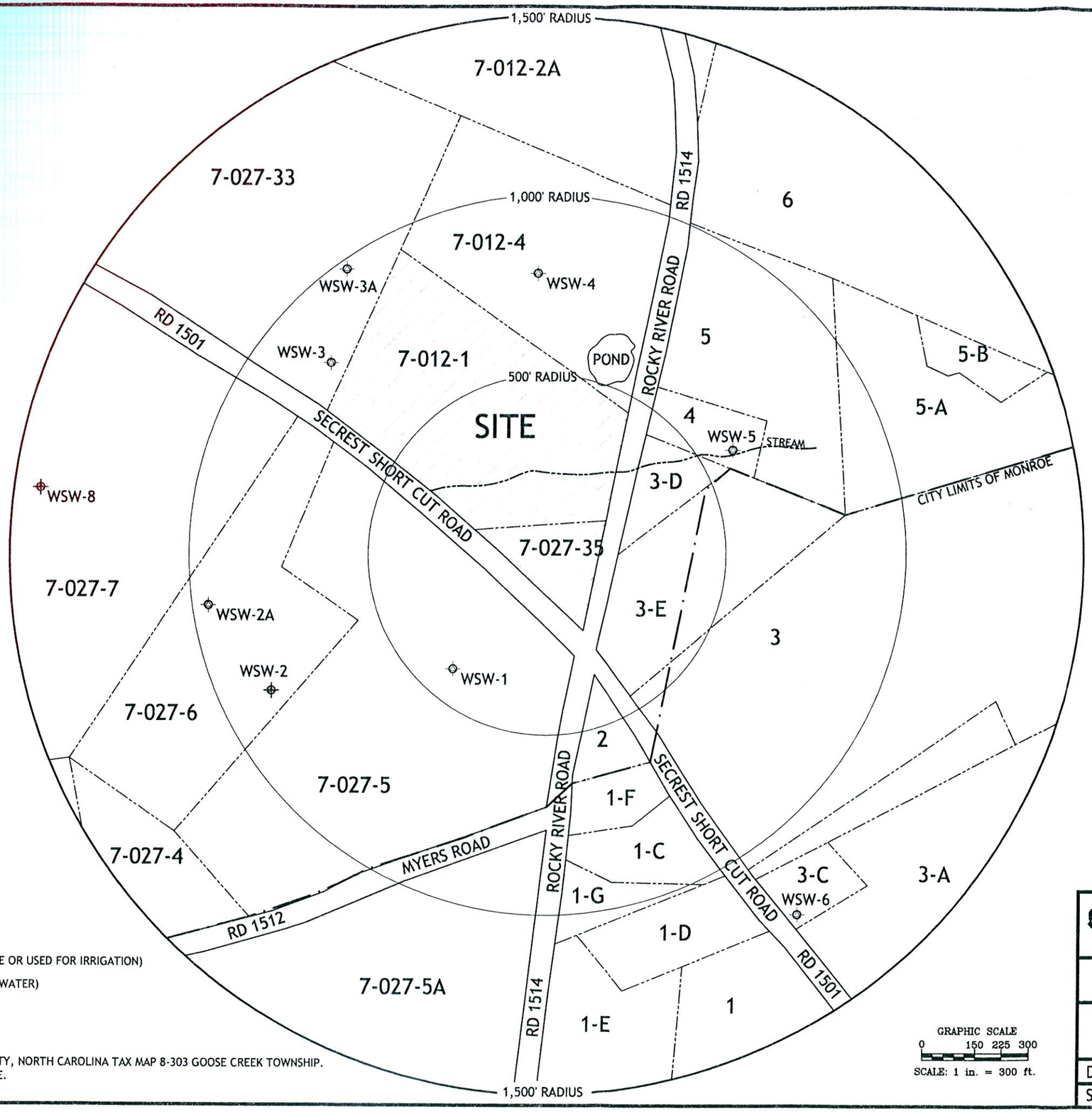
SECREST GROCERY

MONROE, UNION COUNTY, NORTH CAROLINA

SHIELD # 1010087

DATE :	07/17/08	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	2

H:PROJECTS\2001\1010087\FIGURES\1010087 ARMR 7-08



LEGEND:

- WATER SUPPLY WELL (NOT IN USE OR USED FOR IRRIGATION)
- WATER SUPPLY WELL (DRINKING WATER)

NOTES: 1- REF: MAP BASED ON UNION COUNTY, NORTH CAROLINA TAX MAP 8-303 GOOSE CREEK TOWNSHIP.
2- ALL LOCATIONS ARE APPROXIMATE.

GRAPHIC SCALE
0 150 225 300
SCALE: 1 in. = 300 ft.

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1,500' RADIUS MAP

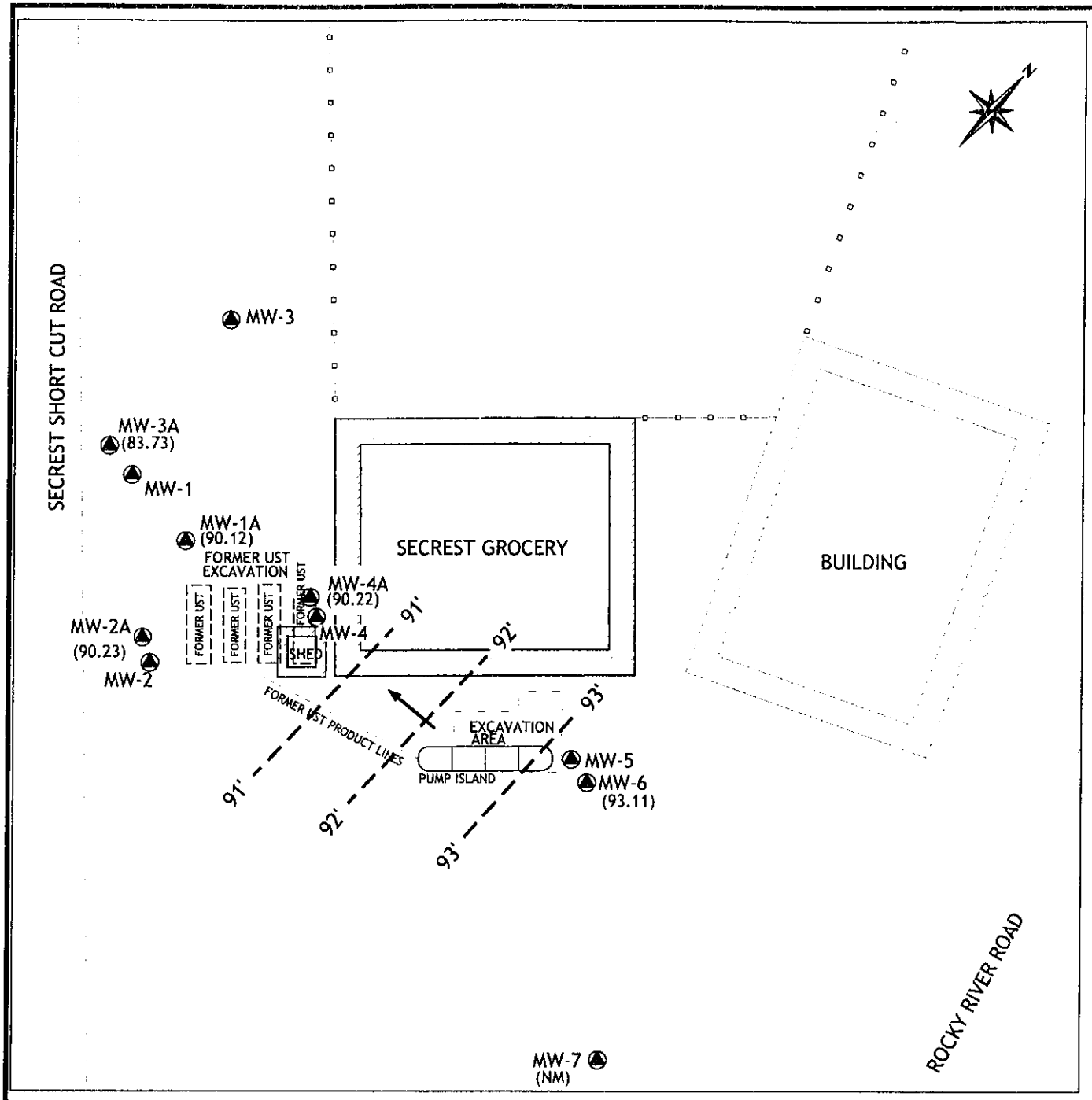
SECREST GROCERY

MONROE, UNION COUNTY, NORTH CAROLINA

SHIELD # 1010087

DATE :	11/07/07	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	3

H:\ASSESSMENT\2001\1010087\FIGURES\1010087sv 11-07-07



LEGEND:

——o——o——	FENCE LINE
—·—·—	PRODUCT LINE
▲	MONITORING WELL LOCATION
▲	ABANDONED MONITORING WELL
(ft)	FEET
(90.12)	GROUNDWATER ELEVATION (ft)
- - - -	GROUNDWATER ELEVATION CONTOUR LINE (ft)
→	GENERALIZED GROUNDWATER FLOW DIRECTION
(NM)	NOT MEASURED

NOTES:
1- REFERENCE: SITE MAP BASED ON FIELD SKETCH BY SHIELD PERSONNEL.
2- ALL LOCATIONS ARE APPROXIMATE.
3- MONITORING WELLS MW-1A AND MW-3A WERE RELOCATED PER SITE INVESTIGATION BY SHIELD PERSONNEL ON 6-18-08.
4- DEPTHS TO GROUNDWATER MEASURED ON 6-18-08.
5- CONTOUR INTERVALS = 1'

GRAPHIC SCALE
0 15 22.5 30
SCALE: 1 in. = 30 ft.

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GROUNDWATER ELEVATION CONTOUR MAP

SECREST GROCERY

MONROE, UNION COUNTY, NORTH CAROLINA

SHIELD # 1010087

DATE :	07-17-08	DRAWN BY :	RBS
SCALE :	AS SHOWN	FIGURE :	4

H:PROJECTS\2001\1010087\FIGURES\1010087 ARMR 7-08

TABLE(S)

Table 1: Summary of Well Construction and Historical Groundwater Elevation Data
Secrest Grocery
3501 Rocky River Road, Monroe, Union County, North Carolina
NCDENR GWI #: 6185

Well ID	Date Installed	Top of Casing Elevation (feet)	As-built Depth (feet)	Screened Interval (feet)	Field Measurements			Field Calculations		
					Gauging Date	Total Depth (feet)	Depth to Static Water (feet)	Diff. Between As-Built and Measured Total Depth (feet)	Measured Water Column in Well (feet)	Ground-water Elevation (feet)
MW-1	4/9/1990	99.53	26	16-26	10/30/1992	26	3.50	0	22.5	96.03
					3/5/1997	25.08	3.84	0.92	21.24	95.69
					10/15/2003	25.2	7.80	0.3	17.90	91.73
					1/15/2005	NM	7.29	N/A	18.71	92.24
MW-1A	1/15/2005	99.65	20	5-20	1/15/2005	19.5	17.10	0.5	2.40	82.55
					12/27/2007	19.95	15.96	0.05	3.99	83.69
					6/1/2008	19.96	9.53	0.04	10.43	90.12
MW-2	10/30/1992	102.59	28	18-28	10/30/1992	28	8.80	0	19.2	93.79
					3/5/1997	27.91	8.53	0.09	19.38	94.06
					10/15/2003	26.25	8.32	1.75	17.93	94.27
					1/15/2005	NM	7.67	N/A	20.33	94.92
MW-2A	1/15/2005	99.93	20	5-20	1/15/2005	19.97	7.25	0.03	12.72	92.68
					12/27/2007	20	16.29	0	3.71	83.64
					6/18/2008	19.98	9.70	-0.05	10.28	90.23
MW-3	10/30/1992	100.72	30	15-30	10/30/1992	30	9.41	0	20.59	91.31
					3/5/1997	30.08	4.70	0.08	25.38	96.70
					10/15/2003	30.19	6.58	0.19	23.61	94.14
					1/15/2005	NM	7.15	N/A	22.85	93.57
MW-3A	1/15/2005	99.34	20	5-20	1/15/2005	20	6.68	0	13.32	92.66
					12/27/2007	20	15.61	0	4.39	83.73
					6/18/2008	20	9.19	0	10.81	90.15
MW-4	10/5/2001	100.23	35	10-35	1/18/2002	35.22	14.64	0.22	20.58	85.59
					2/20/2003	35.16	7.25	0.16	27.91	92.98
					10/15/2003	35.21	8.32	0.21	26.89	91.91
					1/15/2005	NM	7.55	N/A	27.45	92.68
MW-4A	1/15/2005	100.16	20	5-20	1/15/2005	20	14.45	0	5.55	85.71
					12/27/2007	19.98	16.43	0.02	3.55	83.73
					6/18/2008	20.01	9.94	-0.01	10.07	90.22
MW-5	12/7/2001	100.00	50	20-50	1/18/2002	49.88	14.35	0.12	35.53	85.65
					ABANDONED					
MW-6	2/15/2003	102.74	50	5-50	2/20/2003	49.83	8.55	0.17	41.28	94.19
					10/15/2003	49.91	7.53	0.09	42.38	95.21
					1/15/2005	49.88	7.30	0.12	42.55	95.44
					6/18/2008	49.86	9.63	0.14	40.23	93.11
MW-7	2/15/2003	105.39	50	5-50	2/20/2003	49.87	7.24	0.13	42.63	98.15
					10/15/2003	NM	NM	NM	NM	NM
					1/15/2005	NM	7.74	N/A	42.26	97.65

Notes:
NM = Not measured
N/A = Not applicable

Table 2: Summary of Analytical Results - Groundwater Samples
Secrest Grocery
3501 Rocky River Road, Monroe, Union County, North Carolina
NCDENR GWI #: 6185

Analytical Method--->		EPA Method 601/602								EPA 3030C
		Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl Tert-Butyl Ether	Disopropylether (IPE)	1,2 Dichloroethane (1,2-DCA)	Naphthalene	Lead
15A NCAC 2L.0202 Standard---->		1	1,000	29	530	200	70	0.38	21	0.015
15A NCAC 2L.0115 Gross Contamination level--->		5,000	257,500	29,000	87,500	200,000	70,000	380	15,500	15
Location	Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/l
MW-1A	6/18/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-2A	6/18/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-3A	6/18/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-4A	6/18/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-6	6/18/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 3: Historical Summary of Analytical Results - Groundwater Samples
Secrest Grocery
3501 Rocky River Road, Monroe, Union County, North Carolina
NCDENR GWI #: 6185

Analytical Method--->		EPA Method 601/602								
		Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl Tert-Butyl Ether	Diisopropylether (IPE)	1,2 Dichloroethane (1,2-DCA)	Naphthalene	Lead
15A NCAC 2L.0202 Standard--->		1	1,000	29	530	200	70	6.38	21	15
15A NCAC 2L.0115 Gross Contamination level--->		5,000	257,500	29,000	87,500	200,000	70,000	380	15,500	15,000
Location	Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-1	10/30/92	ND	ND	ND	ND	**480**	NS	**18**	ND	ND
	03/05/97	ND	ND	ND	ND	ND	ND	ND	NS	NS
	10/15/03	ND	ND	ND	ND	33	14	**3.8**	ND	NS
	02/24/04	ND	ND	ND	ND	31	11	**4.9**	ND	NS
MW-1A	01/15/05	ND	ND	ND	ND	21	3.1	**1.9**	ND	NS
	12/27/07	ND	ND	ND	ND	17.1	ND	ND	ND	ND
	06/18/08	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-2	10/30/92	ND	ND	ND	ND	5.5	NS	**4.2**	ND	ND
	03/05/97	ND	ND	ND	ND	130	13	**8**	NS	NS
	10/15/03	ND	ND	ND	ND	ND	ND	ND	ND	NS
	02/24/04	ND	ND	ND	ND	ND	ND	ND	ND	NS
MW-2A	01/15/05	ND	ND	ND	ND	1.2	2.5	**1.6**	ND	NS
	12/27/07	ND	ND	ND	ND	2.6	14.7	**1.9**	ND	ND
	06/18/08	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-3	10/30/92	ND	ND	ND	ND	130	NS	**2.3**	ND	ND
	03/05/97	ND	ND	ND	ND	18	ND	ND	NS	NS
	10/15/03	ND	ND	ND	ND	4.4	ND	ND	ND	NS
	02/24/04	ND	ND	ND	ND	4.2	ND	ND	ND	NS
MW-3A	01/15/05	ND	ND	ND	ND	38	7.3	**3.2**	ND	NS
	12/27/07	ND	ND	ND	ND	11.6	2.3	ND	ND	9
	06/18/08	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-4	10/10/01	ND	ND	ND	ND	47	28	**3.2**	ND	ND
	02/20/03	ND	ND	ND	ND	29	43	**7.8**	ND	ND
	10/15/03	ND	ND	ND	ND	19	37	**6.2**	ND	NS
	02/24/04	ND	ND	ND	ND	8.9	24	**2.6**	ND	NS
MW-4A	01/15/05	ND	ND	ND	ND	13	27	**2.4**	ND	NS
	12/27/07	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/18/08	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	12/10/01	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-6	02/20/03	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/15/03	ND	ND	ND	ND	ND	6.3	**1.9**	ND	NS
	02/24/04	ND	ND	ND	ND	ND	2.8	ND	ND	NS
	01/15/05	ND	ND	ND	ND	ND	ND	ND	ND	NS
	06/18/08	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-7	02/20/03	ND	ND	ND	ND	ND	ND	ND	ND	NS
WSW-1	12/27/07	ND	ND	ND	ND	ND	ND	ND	ND	ND
WSW-2	10/15/03	ND	ND	ND	ND	ND	ND	ND	ND	NS
	01/15/05	ND	ND	ND	ND	ND	ND	ND	ND	NS
	12/27/07	ND	ND	ND	ND	ND	ND	ND	ND	8.2
WSW-2A	10/15/03	ND	ND	ND	ND	ND	ND	ND	ND	NS
	01/15/05	ND	ND	ND	ND	ND	ND	ND	ND	NS
WSW-5	10/15/03	ND	ND	ND	ND	ND	ND	ND	ND	NS

Notes.
mg/l = Milligrams per liter.
ug/l = Micrograms per liter.
NR = Analysis not requested.
ND = Not detected at or above the method detection limit specified in the laboratory report.
NS = Not sampled per NCDENR request.
MDL = Method Detection Limit
15A NCAC 2L.0202 = NCDENR Standard Statute for non-risked based maximum allowable contaminant concentration in groundwater.
Gross Contamination Levels = NCDENR Standard Statute for risked based maximum gross contamination levels for groundwater as presented in the NCDENR "Guidelines for Assessment and Corrective Action," dated April 2001, effective July 1, 2001.
BOLD = Above 15A NCAC 2L.0202 Standards
All other data can be seen in the attached laboratory report.

APPENDIX A

Location _____ Date _____

Project / Client _____

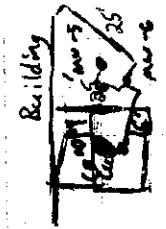
Location Monroe, NC Date 6/18/08

Project / Client Seacrest Grocery

70°F Sunny

PK Departed Shield @ 0900
Arrived onsite @ 0930

Used metal Detector to locate MW-6 5.5" well vault



Opened up monitoring wells MW-1A, MW-2A, MW-3A, MW-4A and MW-6

Well	DTW	DTB	Purge Vol	Actual Purge	Time
MW-1A	9.53	19.96	5.1	5.3	1250
[illegible]	[illegible]	[illegible]	5.0	5.1	1240

APPENDIX B

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

July 01, 2008

Ms. Colleen Clark
Shield Engineering
4301 Taggart Creek Road
Charlotte, NC 28208

RE: Project: SEACREST GROCERY
Pace Project No.: 9221778

Dear Ms. Clark:
Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Herring

Kevin Herring

kevin.herring@pacelabs.com
Project Manager

Enclosures

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

nelac

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CERTIFICATIONS

Project: SEACREST GROCERY
Pace Project No.: 9221778

Charlotte Certification IDs

Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034
North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12
North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003
Tennessee Certification Number: 04010
Virginia Certification Number: 00213

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9
Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 99030001
South Carolina Bioassay Certification Number: 99030002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424
North Carolina Wastewater Certification Number: 633

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ANALYTICAL RESULTS

Project: SEACREST GROCERY
Pace Project No.: 9221778

Sample: MW-1A **Lab ID: 9221778001** Collected: 06/18/08 12:50 Received: 06/19/08 13:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
601/602 Volatiles	Analytical Method: EPA 601/602							
Benzene	ND	ug/L	1.0	1		06/27/08 09:06	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		06/27/08 09:05	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/27/08 09:05	75-25-2	
Bromomethane	ND	ug/L	1.0	1		06/27/08 09:05	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		06/27/08 09:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/27/08 09:05	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/27/08 09:05	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/27/08 09:05	67-66-3	
Chloromethane	ND	ug/L	2.0	1		06/27/08 09:05	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		06/27/08 09:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/27/08 09:05	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/27/08 09:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/27/08 09:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/27/08 09:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/27/08 09:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/27/08 09:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/27/08 09:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/27/08 09:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/27/08 09:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/27/08 09:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/27/08 09:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/27/08 09:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/27/08 09:05	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/27/08 09:06	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/27/08 09:06	100-41-4	
Methylene Chloride	ND	ug/L	2.0	1		06/27/08 09:05	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/27/08 09:06	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		06/27/08 09:06	91-20-3	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/27/08 09:05	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/27/08 09:05	127-18-4	
Toluene	ND	ug/L	1.0	1		06/27/08 09:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/27/08 09:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/27/08 09:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/27/08 09:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/27/08 09:05	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		06/27/08 09:05	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		06/27/08 09:06	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/27/08 09:06	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		06/27/08 09:06	95-47-6	
1-Chloro-3-fluorobenzene (S)	111	%	65-137	1		06/27/08 09:05	625-98-9	
200.7 MET ICP, 3030C	Analytical Method: EPA 200.7 Preparation Method: SM 3030C							
Lead	ND	ug/L	5.0	1	06/20/08 10:15	06/21/08 01:24	7439-92-1	

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ANALYTICAL RESULTS

Project: SEACREST GROCERY
Pace Project No.: 9221778

Sample: MW-2A **Lab ID: 9221778002** Collected: 06/18/08 12:40 Received: 06/19/08 13:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
601/602 Volatiles	Analytical Method: EPA 601/602							
Benzene	ND	ug/L	1.0	1		06/27/08 09:48	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		06/27/08 09:47	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/27/08 09:47	75-25-2	
Bromomethane	ND	ug/L	1.0	1		06/27/08 09:47	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		06/27/08 09:47	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/27/08 09:47	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/27/08 09:47	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/27/08 09:47	67-66-3	
Chloromethane	ND	ug/L	2.0	1		06/27/08 09:47	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		06/27/08 09:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/27/08 09:47	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/27/08 09:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/27/08 09:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/27/08 09:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/27/08 09:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/27/08 09:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/27/08 09:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/27/08 09:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/27/08 09:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/27/08 09:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/27/08 09:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/27/08 09:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/27/08 09:47	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/27/08 09:48	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/27/08 09:48	100-41-4	
Methylene Chloride	ND	ug/L	2.0	1		06/27/08 09:47	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/27/08 09:48	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		06/27/08 09:48	91-20-3	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/27/08 09:47	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/27/08 09:47	127-18-4	
Toluene	ND	ug/L	1.0	1		06/27/08 09:48	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/27/08 09:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/27/08 09:47	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/27/08 09:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/27/08 09:47	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		06/27/08 09:47	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		06/27/08 09:48	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/27/08 09:48	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		06/27/08 09:48	95-47-6	
1-Chloro-3-fluorobenzene (S)	105	%	65-137	1		06/27/08 09:47	625-98-9	
200.7 MET ICP, 3030C	Analytical Method: EPA 200.7 Preparation Method: SM 3030C							
Lead	ND	ug/L	5.0	1	06/20/08 10:15	06/21/08 01:28	7439-92-1	

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ANALYTICAL RESULTS

Project: SEACREST GROCERY
Pace Project No.: 9221778

Sample: MW-3A **Lab ID: 9221778003** Collected: 06/18/08 12:30 Received: 06/19/08 13:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
601/602 Volatiles	Analytical Method: EPA 601/602							
Benzene	ND	ug/L	1.0	1		06/27/08 10:29	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		06/27/08 10:28	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/27/08 10:28	75-25-2	
Bromomethane	ND	ug/L	1.0	1		06/27/08 10:28	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		06/27/08 10:28	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/27/08 10:28	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/27/08 10:28	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/27/08 10:28	67-66-3	
Chloromethane	ND	ug/L	2.0	1		06/27/08 10:28	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		06/27/08 10:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/27/08 10:28	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/27/08 10:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/27/08 10:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/27/08 10:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/27/08 10:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/27/08 10:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/27/08 10:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/27/08 10:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/27/08 10:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/27/08 10:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/27/08 10:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/27/08 10:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/27/08 10:28	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/27/08 10:29	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/27/08 10:29	100-41-4	
Methylene Chloride	ND	ug/L	2.0	1		06/27/08 10:28	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/27/08 10:29	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		06/27/08 10:29	91-20-3	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/27/08 10:28	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/27/08 10:28	127-18-4	
Toluene	ND	ug/L	1.0	1		06/27/08 10:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/27/08 10:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/27/08 10:28	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/27/08 10:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/27/08 10:28	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		06/27/08 10:28	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		06/27/08 10:29	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/27/08 10:29	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		06/27/08 10:29	95-47-6	
1-Chloro-3-fluorobenzene (S)	102	%	65-137	1		06/27/08 10:28	625-98-9	
200.7 MET ICP, 3030C	Analytical Method: EPA 200.7 Preparation Method: SM 3030C							
Lead	ND	ug/L	5.0	1	06/20/08 10:15	06/21/08 01:32	7439-92-1	

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ANALYTICAL RESULTS

Project: SEACREST GROCERY
Pace Project No.: 9221778

Sample: MW-4A **Lab ID: 9221778004** Collected: 06/18/08 12:20 Received: 06/19/08 13:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
601/602 Volatiles	Analytical Method: EPA 601/602							
Benzene	ND	ug/L	1.0	1		06/27/08 11:11	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		06/27/08 11:10	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/27/08 11:10	75-25-2	
Bromomethane	ND	ug/L	1.0	1		06/27/08 11:10	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		06/27/08 11:10	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/27/08 11:10	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/27/08 11:10	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/27/08 11:10	67-66-3	
Chloromethane	ND	ug/L	2.0	1		06/27/08 11:10	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		06/27/08 11:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/27/08 11:10	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/27/08 11:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/27/08 11:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/27/08 11:10	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/27/08 11:10	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/27/08 11:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/27/08 11:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/27/08 11:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/27/08 11:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/27/08 11:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/27/08 11:10	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/27/08 11:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/27/08 11:10	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/27/08 11:11	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/27/08 11:11	100-41-4	
Methylene Chloride	ND	ug/L	2.0	1		06/27/08 11:10	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/27/08 11:11	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		06/27/08 11:11	91-20-3	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/27/08 11:10	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/27/08 11:10	127-18-4	
Toluene	ND	ug/L	1.0	1		06/27/08 11:11	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/27/08 11:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/27/08 11:10	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/27/08 11:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/27/08 11:10	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		06/27/08 11:10	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		06/27/08 11:11	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/27/08 11:11	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		06/27/08 11:11	95-47-6	
1-Chloro-3-fluorobenzene (S)	100	%	65-137	1		06/27/08 11:10	625-98-9	
200.7 MET ICP, 3030C	Analytical Method: EPA 200.7 Preparation Method: SM 3030C							
Lead	ND	ug/L	5.0	1	06/20/08 10:15	06/21/08 01:39	7439-92-1	

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ANALYTICAL RESULTS

Project: SEACREST GROCERY
Pace Project No.: 9221778

Sample: MW-6 **Lab ID: 9221778005** Collected: 06/18/08 12:10 Received: 06/19/08 13:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
601/602 Volatiles	Analytical Method: EPA 601/602							
Benzene	ND	ug/L	1.0	1		06/27/08 11:53	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		06/27/08 11:52	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/27/08 11:52	75-25-2	
Bromomethane	ND	ug/L	1.0	1		06/27/08 11:52	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		06/27/08 11:52	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/27/08 11:53	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/27/08 11:52	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/27/08 11:52	67-66-3	
Chloromethane	ND	ug/L	2.0	1		06/27/08 11:52	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		06/27/08 11:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/27/08 11:52	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/27/08 11:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/27/08 11:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/27/08 11:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/27/08 11:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/27/08 11:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/27/08 11:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/27/08 11:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/27/08 11:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/27/08 11:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/27/08 11:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/27/08 11:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/27/08 11:53	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		06/27/08 11:53	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		06/27/08 11:53	100-41-4	
Methylene Chloride	ND	ug/L	2.0	1		06/27/08 11:52	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/27/08 11:53	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		06/27/08 11:53	91-20-3	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/27/08 11:52	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/27/08 11:53	127-18-4	
Toluene	ND	ug/L	1.0	1		06/27/08 11:53	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/27/08 11:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/27/08 11:52	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/27/08 11:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/27/08 11:52	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		06/27/08 11:52	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		06/27/08 11:53	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/27/08 11:53	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		06/27/08 11:53	95-47-6	
1-Chloro-3-fluorobenzene (S)	99	%	65-137	1		06/27/08 11:53	625-98-9	
200.7 MET ICP, 3030C	Analytical Method: EPA 200.7 Preparation Method: SM 3030C							
Lead	ND	ug/L	5.0	1	06/20/08 10:15	06/21/08 01:54	7439-92-1	

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QUALITY CONTROL DATA

Project: SEACREST GROCERY
Pace Project No.: 9221778

QC Batch: MPRP/2549 Analysis Method: EPA 200.7
QC Batch Method: SM 3030C Analysis Description: 200.7 MET 3030C
Associated Lab Samples: 9221778001, 9221778002, 9221778003, 9221778004, 9221778005

METHOD BLANK: 130585
Associated Lab Samples: 9221778001, 9221778002, 9221778003, 9221778004, 9221778005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lead	ug/L	ND	5.0	

LABORATORY CONTROL SAMPLE: 130586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	522	104	85-115	

MATRIX SPIKE SAMPLE: 130587

Parameter	Units	9221778005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	ND	500	471	94	70-130	

SAMPLE DUPLICATE: 130588

Parameter	Units	9221778004 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	ND	ND	7	

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QUALITY CONTROL DATA

Project: SEACREST GROCERY
Pace Project No.: 9221778

QC Batch: GCV/2201 | Analysis Method: EPA 601/602
QC Batch Method: EPA 601/602 | Analysis Description: 601/602 GCV Water
Associated Lab Samples: 9221778001, 9221778002, 9221778003, 9221778004, 9221778005

METHOD BLANK: 133302
Associated Lab Samples: 9221778001, 9221778002, 9221778003, 9221778004, 9221778005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,2-Trichloroethane	ug/L	ND	1.0	
1,1-Dichloroethane	ug/L	ND	1.0	
1,1-Dichloroethene	ug/L	ND	1.0	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	
1,2-Dichlorobenzene	ug/L	ND	1.0	
1,2-Dichloroethane	ug/L	ND	1.0	
1,2-Dichloropropane	ug/L	ND	1.0	
1,3-Dichlorobenzene	ug/L	ND	1.0	
1,4-Dichlorobenzene	ug/L	ND	1.0	
Benzene	ug/L	ND	1.0	
Bromodichloromethane	ug/L	ND	1.0	
Bromoform	ug/L	ND	1.0	
Bromomethane	ug/L	ND	1.0	
Carbon tetrachloride	ug/L	ND	1.0	
Chlorobenzene	ug/L	ND	1.0	
Chloroethane	ug/L	ND	1.0	
Chloroform	ug/L	ND	1.0	
Chloromethane	ug/L	ND	2.0	
cis-1,2-Dichloroethene	ug/L	ND	1.0	
cis-1,3-Dichloropropene	ug/L	ND	1.0	
Dibromochloromethane	ug/L	ND	1.0	
Dichlorodifluoromethane	ug/L	ND	1.0	
Diisopropyl ether	ug/L	ND	1.0	
Ethylbenzene	ug/L	ND	1.0	
m&p-Xylene	ug/L	ND	2.0	
Methyl-tert-butyl ether	ug/L	ND	1.0	
Methylene Chloride	ug/L	ND	2.0	
Naphthalene	ug/L	ND	2.0	
o-Xylene	ug/L	ND	1.0	
Tetrachloroethene	ug/L	ND	1.0	
Toluene	ug/L	ND	1.0	
trans-1,2-Dichloroethene	ug/L	ND	1.0	
trans-1,3-Dichloropropene	ug/L	ND	1.0	
Trichloroethene	ug/L	ND	1.0	
Trichlorofluoromethane	ug/L	ND	1.0	
Vinyl chloride	ug/L	ND	1.0	
Xylene (Total)	ug/L	ND	3.0	
1-Chloro-3-fluorobenzene (S)	%	96	65-137	

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QUALITY CONTROL DATA

Project: SEACREST GROCERY
Pace Project No.: 9221778

LABORATORY CONTROL SAMPLE: 133303

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.9	100	41-138	
1,1,2,2-Tetrachloroethane	ug/L	20	17.3	86	8-184	
1,1,2-Trichloroethane	ug/L	20	19.7	98	39-136	
1,1-Dichloroethane	ug/L	20	20.4	102	47-132	
1,1-Dichloroethene	ug/L	20	14.6	73	28-167	
1,2-Dibromoethane (EDB)	ug/L	20	21.5	108	50-150	
1,2-Dichlorobenzene	ug/L	20	19.0	95	1-208	
1,2-Dichloroethane	ug/L	20	20.3	102	51-147	
1,2-Dichloropropane	ug/L	20	20.1	101	44-156	
1,3-Dichlorobenzene	ug/L	20	17.5	87	7-187	
1,4-Dichlorobenzene	ug/L	20	18.7	94	42-143	
Benzene	ug/L	20	20.9	105	39-150	
Bromodichloromethane	ug/L	20	22.0	110	42-172	
Bromoform	ug/L	20	19.3	97	13-159	
Bromomethane	ug/L	20	15.8	79	1-144	
Carbon tetrachloride	ug/L	20	21.7	108	43-143	
Chlorobenzene	ug/L	20	21.2	106	38-150	
Chloroethane	ug/L	20	17.2	86	46-137	
Chloroform	ug/L	20	20.4	102	49-133	
Chloromethane	ug/L	20	17.4	87	1-193	
cis-1,2-Dichloroethene	ug/L	20	21.0	105	38-155	
cis-1,3-Dichloropropene	ug/L	20	22.5	112	22-178	
Dibromochloromethane	ug/L	20	19.9	99	24-191	
Dichlorodifluoromethane	ug/L	20	16.6	83	48-157	
Diisopropyl ether	ug/L	20	19.1	96	89-108	
Ethylbenzene	ug/L	20	20.3	102	32-160	
m&p-Xylene	ug/L	40	39.3	98	82-115	
Methyl-tert-butyl ether	ug/L	20	20.7	104	88-110	
Methylene Chloride	ug/L	20	21.4	107	25-162	
Naphthalene	ug/L	20	20.6	103	50-150	
o-Xylene	ug/L	20	20.5	103	91-110	
Tetrachloroethene	ug/L	20	18.9	94	26-162	
Toluene	ug/L	20	19.9	99	46-148	
trans-1,2-Dichloroethene	ug/L	20	18.9	95	38-155	
trans-1,3-Dichloropropene	ug/L	20	22.8	114	22-178	
Trichloroethene	ug/L	20	20.9	104	35-146	
Trichlorofluoromethane	ug/L	20	16.1	81	21-156	
Vinyl chloride	ug/L	20	17.7	89	28-163	
Xylene (Total)	ug/L	60	59.8	100	50-150	
1-Chloro-3-fluorobenzene (S)	%			100	65-137	

MATRIX SPIKE SAMPLE: 133304

Parameter	Units	9222029001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	20	21.9	110	41-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	22.9	115	8-184	
1,1,2-Trichloroethane	ug/L	ND	20	19.4	97	39-136	

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QUALITY CONTROL DATA

Project: SEACREST GROCERY
Pace Project No.: 9221778

MATRIX SPIKE SAMPLE: 133304

Parameter	Units	9222029001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/L	ND	20	21.4	107	47-132	
1,1-Dichloroethene	ug/L	ND	20	16.7	84	28-167	
1,2-Dibromoethane (EDB)	ug/L	ND	20	21.2	106	50-150	
1,2-Dichlorobenzene	ug/L	ND	20	19.6	98	1-208	
1,2-Dichloroethane	ug/L	ND	20	21.4	107	51-147	
1,2-Dichloropropane	ug/L	ND	20	19.0	95	44-156	
1,3-Dichlorobenzene	ug/L	ND	20	18.0	90	7-187	
1,4-Dichlorobenzene	ug/L	ND	20	19.0	95	42-143	
Benzene	ug/L	ND	20	21.9	109	39-150	
Bromodichloromethane	ug/L	ND	20	21.2	106	42-172	
Bromoform	ug/L	ND	20	19.5	98	13-159	
Bromomethane	ug/L	ND	20	13.0	65	1-144	
Carbon tetrachloride	ug/L	ND	20	22.9	114	43-143	
Chlorobenzene	ug/L	ND	20	21.3	107	38-150	
Chloroethane	ug/L	ND	20	17.6	88	46-137	
Chloroform	ug/L	ND	20	22.8	114	49-133	
Chloromethane	ug/L	ND	20	18.0	90	1-193	
cis-1,2-Dichloroethene	ug/L	ND	20	21.1	105	38-155	
cis-1,3-Dichloropropene	ug/L	ND	20	19.9	99	22-178	
Dibromochloromethane	ug/L	ND	20	19.9	100	24-191	
Dichlorodifluoromethane	ug/L	ND	20	17.5	87	48-157	
Diisopropyl ether	ug/L	ND	20	20.6	103	89-108	
Ethylbenzene	ug/L	ND	20	21.0	105	32-160	
m&p-Xylene	ug/L	ND	40	41.7	104	82-115	
Methyl-tert-butyl ether	ug/L	ND	20	20.2	101	88-110	
Methylene Chloride	ug/L	ND	20	22.9	114	25-162	
Naphthalene	ug/L	ND	20	17.6	88	50-150	
o-Xylene	ug/L	ND	20	22.5	113	91-110	M0
Tetrachloroethene	ug/L	ND	20	18.6	93	26-162	
Toluene	ug/L	ND	20	21.9	109	46-148	
trans-1,2-Dichloroethene	ug/L	ND	20	20.7	103	38-155	
trans-1,3-Dichloropropene	ug/L	ND	20	20.9	105	22-178	
Trichloroethene	ug/L	ND	20	20.0	100	35-146	
Trichlorofluoromethane	ug/L	ND	20	18.4	92	21-156	
Vinyl chloride	ug/L	ND	20	18.2	91	28-163	
1-Chloro-3-fluorobenzene (S)	%				98	65-137	

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QUALIFIERS

Project: SEACREST GROCERY
Pace Project No.: 9221778

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

M0 Matrix spike recovery was outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SEACREST GROCERY
Pace Project No.: 9221778

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
9221778001	**MW-1A**	SM 3030C	MPRP/2549	EPA 200.7	ICP/2431
9221778002	**MW-2A**	SM 3030C	MPRP/2549	EPA 200.7	ICP/2431
9221778003	**MW-3A**	SM 3030C	MPRP/2549	EPA 200.7	ICP/2431
9221778004	**MW-4A**	SM 3030C	MPRP/2549	EPA 200.7	ICP/2431
9221778005	**MW-6**	SM 3030C	MPRP/2549	EPA 200.7	ICP/2431
9221778001	**MW-1A**	EPA 601/602	GCV/2201		
9221778002	**MW-2A**	EPA 601/602	GCV/2201		
9221778003	**MW-3A**	EPA 601/602	GCV/2201		
9221778004	**MW-4A**	EPA 601/602	GCV/2201		
9221778005	**MW-6**	EPA 601/602	GCV/2201		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1172535

Section A Required Client Information:

Company: Shield Engineering
Address: 4301 Taggart Creek Rd
Charlotte NC 28208
Email To: cclark@shieldengineering.com
Phone: (704) 394-6913 Fax: (704) 394-6968
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Colleen Clark
Copy To:
Purchase Order No.:
Project Name: Seacrest Grocery
Project Number: 1010087

Section C Invoice Information:

Attention: Colleen Clark
Company Name: Shield
Address: Same
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 739-8

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☒ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	Composite Start Time	Composite End/Grab Date	Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	601/602 Ext	3030c (Lead)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1A	WT	G			6/18/08	1250		4				3	1					X	X		9221778001
2	MW-2A	WT	↓				1240		↓				↓	↓					↓	↓		002
3	MW-3A	WT	↓				1230		↓				↓	↓					↓	↓		003
4	MW-4A	WT	↓				1220		↓				↓	↓					↓	↓		004
5	MW-6	WT	↓			↓	1210		↓				↓	↓					↓	↓		005
6																						
7																						
8																						
9																						
10																						
11																						
12																						

9221778

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Patrick Kelly / Shield	6/19/08	13:20	[signature] / Pace	6/19/08	13:20				
	[signature] / Pace	6/19/08	13:55	JMoore	6/19	1355	37	4	N	4

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Patrick Kelly

SIGNATURE of SAMPLER: Patrick Kelly

DATE Signed (MM/DD/YY): 06/18/08

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.