WELLSITE EVALUATIONS
AREAS OF ALLEGED RELEASES
SUSQUEHANNA COUNTY, PENNSYLVANIA
VOLUME I

Prepared for:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation
5 Penn Center West, Suite 401
Pittsburgh, Pennsylvania 15276

Prepared by:

URS

URS Corporation
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

DECEMBER 2011

WELLSITE EVALUATIONS
AREAS OF ALLEGED RELEASES
SUSQUEHANNA COUNTY, PENNSYLVANIA
VOLUME I

Prepared for:

Cabot Oil & Gas Corporation

Cabot Oil & Gas Corporation
5 Penn Center West, Suite 401
Pittsburgh, Pennsylvania 15276

URS Corporation
Mark S. Holsing, PG
Senior Geologist
PG-001238-G

Prepared by:

URS

URS Corporation
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Prepared by:
URS Corporation
Amanda L. Bayne
Project Scientist

Reviewed and Approved by:
URS Corporation
James Pinta, Jr., Ph.D., PG
Principal Geologist
PG-000701-G

DECEMBER 2011

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1

1.0 INTRODUCTION 13
- 1.1 OBJECTIVES 14

2.0 SCOPE OF WORK PERFORMED 15
- 2.1 BLACK 1H WELLSITE 16
  - 2.1.1 Approach to Investigate Allegations – Black 1H Wellsite 16
- 2.2 BROOKS 1H WELLSITE 17
  - 2.2.1 Approach to Investigate Allegations – Brooks 1H Wellsite 17
- 2.3 W. CHUDLEIGH 1 WELLSITE 17
  - 2.3.1 Approach to Investigate Allegations – W. Chudleigh 1 Wellsite 17
- 2.4 COSTELLO 1 WELLSITE 18
  - 2.4.1 Approach to Investigate Allegations – Costello 1 Wellsite 18
- 2.5 ELY 1H/5H/7H SE WELLSITE 18
  - 2.5.1 Approach to Investigate Allegations – Ely 1H/5H/7H SE Wellsite 18
- 2.6 ELY 2 WELLSITE 19
  - 2.6.1 Approach to Investigate Allegations – Ely 2 Wellsite 19
- 2.7 ELY 4H/ELY 6H WELLSITE 20
  - 2.7.1 Approach to Investigate Allegations – Ely 4H/Ely 6H Wellsite 20
- 2.8 GESFORD 2/7H NW WELLSITE 20
  - 2.8.1 Approach to Investigate Allegations – Gesford 2/7H NW Wellsite 20
- 2.9 GESFORD 3/9 WELLSITE 20
  - 2.9.1 Approach to Investigate Allegations – Gesford 3/9 Wellsite 21
- 2.10 LEWIS 2 WELLSITE 22
  - 2.10.1 Approach to Investigate Allegations – Lewis 2 Wellsite 22
- 2.11 TEEL 5 WELLSITE 22
  - 2.11.1 Approach to Investigate Allegations – Teel 5 Wellsite 23
- 2.12 TEEL 6 WELLSITE 24
  - 2.12.1 Approach to Investigate Allegations – Teel 6 Wellsite 24
- 2.13 TEEL 7 WELLSITE 24
  - 2.13.1 Approach to Investigate Allegations – Teel 7 Wellsite 24

3.0 FIELD PROCEDURES 26
- 3.1 SOIL BORING INSTALLATION AND SOIL SAMPLING METHODS 26
- 3.2 TEST PIT INSTALLATION AND SOIL SAMPLING METHODS 27
- 3.3 SURFACE WATER SAMPLING METHODS 27
- 3.4 SAMPLE COLLECTION AND LABORATORY ANALYSIS 28

4.0 SITE ASSESSMENT AND FINDINGS 29
- 4.1 BLACK 1H WELLSITE 30
  - 4.1.1 Black 1H Wellsite Soil Boring Installation and Rationale 30
  - 4.1.2 Black 1H Wellsite Surface Soil Sampling and Rationale 31
  - 4.1.3 Black 1H Wellsite Surface Water Sampling and Rationale 31
  - 4.1.4 Black 1H Wellsite Soil Quality Results and Comparison to Standards 31
  - 4.1.5 Black 1H Wellsite Surface Water Quality Results and Comparison to Standards 32
- 4.2 BROOKS 1H WELLSITE 32
  - 4.2.1 Brooks 1H Wellsite Test Pit Excavation and Rationale 32
  - 4.2.2 Brooks 1H Wellsite Surface Water Sampling and Rationale 33
  - 4.2.3 Brooks 1H Wellsite Soil Quality Results and Comparison to Standards 34
  - 4.2.4 Brooks 1H Wellsite Surface Water Quality Results and Comparison to Standards 34
- 4.3 W. CHUDLEIGH 1 WELLSITE 34
  - 4.3.1 W. Chudleigh 1 Wellsite Soil Boring Installation and Rationale 35
  - 4.3.2 W. Chudleigh 1 Wellsite Surface Water Sampling and Rationale 35

4.3.3 W. Chudleigh 1 Wellsite Soil Quality Results and Comparison to Standards 35
4.3.4 W. Chudleigh 1 Wellsite Surface Water Quality Results and Comparison to Standards 35
4.4 COSTELLO 1 WELLSITE 36
4.4.1 Costello 1 Wellsite Soil Boring Installation and Rationale 36
4.4.2 Costello 1 Wellsite Surface Water Sampling and Rationale 37
4.4.3 Costello 1 Wellsite Soil Quality Results and Comparison to Standards 37
4.4.4 Costello 1 Wellsite Surface Water Quality Results and Comparison to Standards 37
4.5 ELY 1H/5H/7H SE WELLSITE 38
4.5.1 Ely 1H/5H/7H SE Wellsite Soil Boring Installation and Rationale 38
4.5.2 Ely 1H/5H/7H SE Wellsite Test Pit Excavation and Rationale 39
4.5.3 Ely 1H/5H/7H SE Wellsite Soil Quality Results and Comparison to Standards 39
4.5.4 Ely 1H/5H/7H SE Wellsite Hillside Reconnaissance 40
4.6 ELY 2 WELLSITE 40
4.6.1 Ely 2 Wellsite Soil Boring Installation and Rationale 40
4.6.2 Ely 2 Wellsite Surface Water Sampling and Rationale 40
4.6.3 Ely 2 Wellsite Soil Quality Results and Comparison to Standards 40
4.6.4 Ely 2 Surface Water Quality Results and Comparison to Standards 41
4.7 ELY 4/6H WELLSITE 41
4.7.1 Ely 4/6H Wellsite Test Pit Excavation and Rationale 42
4.7.2 Ely 4/6H Wellsite Surface Water Sampling and Rationale 43
4.7.3 Ely 4/6H Wellsite Soil Quality Results and Comparison to Standards 43
4.7.4 Ely 4/6H Wellsite Surface Water Quality Results and Comparison to Standards 43
4.8 GESFORD 2/7H NW WELLSITE 44
4.8.1 Gesford 2/7H NW Wellsite Test Pit Excavation and Rationale 44
4.8.2 Gesford 2/7H NW Wellsite Soil Quality Results and Comparison to Standards 46
4.9 GESFORD 3/9 WELLSITE 46
4.9.1 Gesford 3/9 Wellsite Soil Boring Installation and Sampling 46
4.9.2 Gesford 3/9 Wellsite Test Pit Excavation and Rationale 47
4.9.3 Gesford 3/9 Wellsite Soil Quality Results and Comparison to Standards 47
4.9.4 Gesford 3/9 Wellsite Surface Water Quality Results and Comparison to Standards 48
4.9.5 Summary of Reports Detailing Remediation of Releases at the Gesford 3/9 Wellsite 48
4.10 LEWIS 2 WELLSITE 50
4.10.1 Lewis 2 Wellsite Soil Boring Installation and Rationale 50
4.10.2 Lewis 2 Wellsite Test Pit Excavation and Rationale 50
4.10.3 Lewis 2 Wellsite Surface Water Sampling and Rationale 51
4.10.4 Lewis 2 Wellsite Soil Quality Results and Comparison to Standards 51
4.10.5 Lewis 2 Wellsite Surface Water Quality Results and Comparison to Standards 51
4.11 TEEL 5 WELLSITE 52
4.11.1 Teel 5 Wellsite Soil Boring Locations and Rationale 53
4.11.2 Teel 5 Wellsite Surface Water Sampling Locations and Rationale 53
4.11.3 Teel 5 Wellsite Soil Quality Results and Comparison to Standards 53
4.11.4 Teel 5 Wellsite Surface Water Quality Results and Comparison to Standards 53
4.11.5 Summary of Reports Detailing Remediation at the Teel 5 Wellsite 54
4.12 TEEL 6 WELLSITE 55
4.12.1 Teel 6 Wellsite Test Pit Excavation and Rationale 55

CABOT-EPA 003761

DIM0195853 DIM0195856

4.12.2 Teel 6 Wellsite Surface Water Sampling and Rationale 56
4.12.3 Teel 6 Wellsite Soil Quality Results and Comparison to Standards....56
4.12.4 Teel 6 Wellsite Surface Water Quality Results and Comparison to Standards 57
4.13 TEEL 7 WELLSITE 57
4.13.1 Teel 7 Wellsite Soil Boring Locations and Rationale....57
4.13.2 Teel 7 Wellsite Surface Water Sampling and Rationale 57
4.13.3 Teel 7 Wellsite Soil Quality Results and Comparison to Standards....57
4.13.4 Teel 7 Wellsite Surface Water Quality Results and Comparison to Standards 58
5.0 SUMMARY AND CONCLUSIONS 60
5.1 Black 1H Wellsite....61
5.2 Brooks 1H Wellsite 62
5.3 W. Chudleigh 1 Wellsite 63
5.4 Costello 1 Wellsite 63
5.5 Ely 1H/5H/7H SE Wellsite 64
5.6 Ely 2 Wellsite 65
5.7 Ely 4/6H Wellsite 65
5.8 Gesford 2/7H NW Wellsite....66
5.9 Gesford 3/9 Wellsite 67
5.10 Lewis 2 Wellsite 68
5.11 Teel 5 Wellsite 68
5.12 Teel 6 Wellsite 69
5.13 Teel 7 Wellsite 69

TABLES

Table 4.1-1 Analytical Results for Soil – Black 1H Wellsite
Table 4.1-2 Analytical Results for Soil (Seep Area) – Black 1H Wellsite
Table 4.1-3 Analytical Results for Surface Water – Black 1HWellsite
Table 4.2-1 Test Pit Analytical Results for Soil – Brooks 1H Wellsite
Table 4.2-2 Analytical Results for Surface Water Samples – Brooks 1H Wellsite
Table 4.3-1 Analytical Results for Soil – W. Chudleigh 1 Wellsite
Table 4.3-2 Analytical Results for Surface Water – W. Chudleigh 1 Wellsite
Table 4.4-1 Analytical Results for Soil – Costello 1 Wellsite
Table 4.4-2 Analytical Results for Surface Water – Costello 1 Wellsite
Table 4.5-1 Analytical Results for Soil (Borehole Locations) – Ely 1H/5H/7H SE Wellsite
Table 4.5-2 Analytical Results for Soil (Test Pit Locations) – Ely 1H/5H/7H SE Wellsite
Table 4.6-1 Analytical Results for Soil – Ely 2 Wellsite
Table 4.6-2 Analytical Results for Surface Water – Ely 2 Wellsite
Table 4.7-1 Analytical Results for Soil – Ely 4H and Ely 6H Wellsite
Table 4.7-2 Analytical Results for Surface Water – Ely 4H and Ely 6H Wellsite
Table 4.8-1 Test Pit Sample Results for Soil – Gesford 2/7H NW Wellsite
Table 4.9-1 Borehole Analytical Results for Soil – Gesford 3/9 Wellsite
Table 4.9-2 Test Pit Sample Results for Soil – Gesford 3/9 Wellsite

CABOT-EPA 003762

DIM0195853 DIM0195857

Table 4.9-3 Analytical Results for Surface Water Samples – Gesford 3/9 Wellsite
Table 4.10-1 Borehole Analytical Results for Soil – Lewis 2 Wellsite
Table 4.10-2 Test Pit Analytical Results for Soil – Lewis 2 Wellsite
Table 4.10-3 Analytical Results for Surface Water Samples – Lewis 2 Wellsite
Table 4.11-1 Borehole Analytical Results for Soil – Teel 5 Wellsite
Table 4.11-2 Analytical Results for Surface Water Samples – Teel 5 Wellsite
Table 4.12-1 Test Pit Analytical Results for Soil – Teel 6 Wellsite
Table 4.12-2 Analytical Results for Water – Teel 6 Wellsite
Table 4.13-1 Borehole Analytical Results for Soil – Teel 7 Wellsite
Table 4.13-2 Analytical Results for Surface Water Samples – Teel 7 Wellsite

FIGURES

Figure 4.1-1 Site Vicinity Map - Black 1H Wellsite
Figure 4.1-2 Soil Sampling Locations – Black 1H Wellsite
Figure 4.1-3 Soil Sampling Locations – Black 1H Wellsite
Figure 4.1-4 Surface Water Sampling Locations – Black 1H Wellsite
Figure 4.2-1 Site Vicinity Map – Brooks 1H Wellsite
Figure 4.2-2 Soil Sampling Locations – Brooks 1H Wellsite
Figure 4.2-3 Surface Water Sampling Locations – Brooks 1 H Wellsite
Figure 4.3-1 Site Vicinity Map – W. Chudleigh 1 Wellsite
Figure 4.3-2 Soil Sampling Locations – W. Chudleigh 1 Wellsite
Figure 4.3-3 Surface Water Sampling Locations – W. Chudleigh 1 Wellsite
Figure 4.4-1 Site Vicinity Map – Costello 1 Wellsite
Figure 4.4-2 Soil Sampling Locations – Costello 1 Wellsite
Figure 4.4-3 Surface Water Sampling Locations – Costello 1 Wellsite
Figure 4.5-1 Site Vicinity Map – Ely 1H/5H/7H SE Wellsite
Figure 4.5-2 Soil Sampling Locations – Ely 1H/5H/7H SE Wellsite
Figure 4.6-1 Site Vicinity Map – Ely 2 Wellsite
Figure 4.6-2 Soil Sampling Locations – Ely 2 Wellsite
Figure 4.6-3 Surface Water Sampling Locations – Ely 2 Wellsite
Figure 4.7-1 Site Vicinity Map – Ely 4/6H Wellsite
Figure 4.7-2 Soil Sampling Locations – Ely 4/6H Wellsite
Figure 4.7-3 Surface Water Sampling Locations – Ely 4/6H Wellsite
Figure 4.8-1 Site Vicinity Map – Gesford 2/7H NW Wellsite
Figure 4.8-2 Soil Sampling Locations – Gesford 2/7H NW Wellsite
Figure 4.9-1 Site Vicinity Map – Gesford 3/9 Wellsite
Figure 4.9-2 Soil Sampling Locations – Gesford 3/9 Wellsite
Figure 4.9-3 Surface Water Sampling Locations – Gesford 3/9 Wellsite
Figure 4.10-1 Site Vicinity Map – Lewis 2 Wellsite

Figure 4.10-2 Soil Sampling Locations – Lewis 2 Wellsite
Figure 4.10-3 Surface Water Sampling Locations – Lewis 2 Wellsite
Figure 4.11-1 Site Vicinity Map – Teel 5 Wellsite
Figure 4.11-2 Soil Sampling Locations – Teel 5 Wellsite
Figure 4.11-3 Surface Water Sampling Locations – Teel 5 Wellsite
Figure 4.12-1 Site Vicinity Map – Teel 6 Wellsite
Figure 4.12-2 Soil Sampling Locations – Teel 6 Wellsite
Figure 4.12-3 Surface Water Sampling Locations – Teel 6 Wellsite
Figure 4.13-1 Site Vicinity Map – Teel 7 Wellsite
Figure 4.13-2 Soil Sampling Locations – Teel 7 Wellsite
Figure 4.13-3 Surface Water Sampling Locations – Teel 7 Wellsite

APPENDICES

Appendix A PADEP Approved Work Plan
Appendix B Systematic Random Sampling Schemes Utilized
Black 1H Surface Soils
Gesford 3V/7H Well Pad
Appendix C Laboratory Certificates of Analyses – Water Samples
Appendix D Laboratory Certificates of Analyses – Soil Samples
Appendix E Soil Test Boring Logs

CABOT-EPA 003764

DIM0195853 DIM0195859

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W. 9th Ave. - King of Prussia, PA 19406
(610) 337-9992 - FAX (610) 337-9939

16 February 2010

Brickhouse Environmental

Doug Schott
515 South Franklin Street
West Chester, PA 19382

RE: Dimock

Laboratory ID #: KTA0345

Enclosed are the results of analyses for samples received by the laboratory on 01/21/10 08:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Oswaldo Burgos
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W. 9th Ave. - King of Prussia, PA 19406
(610) 337-9992 - FAX (610) 337-9939

Brickhouse Environmental	Project: Dimock	
515 South Franklin Street	Project Number: 09-2607-0	**Reported:**
West Chester PA, 19382	Project Manager: Doug Schott	02/16/10 08:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Sautner RW	KTA0345-01	Water	01/20/10 13:50	01/21/10 08:45
Switzer	KTA0345-02	Water	01/20/10 11:25	01/21/10 08:45
Sautner	KTA0345-03	Water	01/20/10 13:00	01/21/10 08:45
Seymour	KTA0345-04	Water	01/20/10 10:15	01/21/10 08:45

TestAmerica King Of Prussia

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Oswaldo Burgos, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W. 9th Ave. - King of Prussia, PA 19406
(610) 337-9992 - FAX (610) 337-9939

Brickhouse Environmental	Project: Dimock	
515 South Franklin Street	Project Number: 09-2607-0	Reported:
West Chester PA, 19382	Project Manager: Doug Schott	02/16/10 08:33

Non-Halogenated Volatile Organics

TestAmerica Buffalo

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sautner RW (KTA0345-01) Water Sampled: 01/20/10 13:50 Received: 01/21/10 08:45									
Propylene glycol	ND	10	mg/L	1	10A1442	01/25/10	01/25/10	8015	
Ethylene Glycol	ND	10	"	"	"	"	"	"	
Surrogate: 1,4-Butanediol		*110 %*	*66-130*		"	"	"	"	
Ex. 6 - Personal Privacy (KTA0345-02) Water Sampled: 01/20/10 11:25 Received: 01/21/10 08:45									
Propylene glycol	ND	10	mg/L	1	10A1442	01/25/10	01/25/10	8015	
Ethylene Glycol	ND	10	"	"	"	"	"	"	
Surrogate: 1,4-Butanediol		*112 %*	*66-130*		"	"	"	"	
Ex. 6 - Personal Privacy (KTA0345-04) Water Sampled: 01/20/10 10:15 Received: 01/21/10 08:45									
Propylene glycol	ND	10	mg/L	1	10A1442	01/25/10	01/25/10	8015	
Ethylene Glycol	ND	10	"	"	"	"	"	"	
Surrogate: 1,4-Butanediol		*112 %*	*66-130*		"	"	"	"	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W. 9th Ave. - King of Prussia, PA 19406
(610) 337-9992 - FAX (610) 337-9939

Brickhouse Environmental	Project: Dimock	
515 South Franklin Street	Project Number: 09-2607-0	Reported:
West Chester PA, 19382	Project Manager: Doug Schott	02/16/10 08:33

Alcohols by EPA Method 8015 modified

TestAmerica Buffalo

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sautner RW (KTA0345-01) Water Sampled: 01/20/10 13:50 Received: 01/21/10 08:45									
Ethanol	ND	1000	ug/L	1	10A1290	01/25/10	01/25/10	8015	
Isopropyl alcohol	ND	1000	"	"	"	"	"	"	
Methanol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Hexanone		*103 %*		*70-129*	"	"	"	"	
Ex. 6 - Personal Privacy **(KTA0345-02) Water Sampled: 01/20/10 11:25 Received: 01/21/10 08:45**									
Ethanol	ND	1000	ug/L	1	10A1290	01/25/10	01/25/10	8015	
Isopropyl alcohol	ND	1000	"	"	"	"	"	"	
Methanol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Hexanone		*101 %*		*70-129*	"	"	"	"	
Sautner (KTA0345-03) Water Sampled: 01/20/10 13:00 Received: 01/21/10 08:45									
Ethanol	ND	1000	ug/L	1	10A1290	01/25/10	01/25/10	8015	
Isopropyl alcohol	ND	1000	"	"	"	"	"	"	
Methanol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Hexanone		*102 %*		*70-129*	"	"	"	"	
Ex. 6 - Personal Privacy **KTA0345-04) Water Sampled: 01/20/10 10:15 Received: 01/21/10 08:45**									
Ethanol	ND	1000	ug/L	1	10A1290	01/25/10	01/25/10	8015	
Isopropyl alcohol	ND	1000	"	"	"	"	"	"	
Methanol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Hexanone		*100 %*		*70-129*	"	"	"	"	

TestAmerica King Of Prussia

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Oswaldo Burgos, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W. 9th Ave. - King of Prussia, PA 19406
(610) 337-9992 - FAX (610) 337-9939

Brickhouse Environmental	Project: Dimock	
515 South Franklin Street	Project Number: 09-2607-0	**Reported:**
West Chester PA, 19382	Project Manager: Doug Schott	02/16/10 08:33

General Chemistry Parameters

TestAmerica Buffalo

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sautner RW (KTA0345-01) Water Sampled: 01/20/10 13:50 Received: 01/21/10 08:45									
Methylene Blue Active Substances	ND	0.0250	mg/L	1	10A1280	01/21/10	01/21/10	5540 C	
KTA0345-02) Water Sampled: 01/20/10 11:25 Received: 01/21/10 08:45									
Methylene Blue Active Substances	ND	0.0250	mg/L	1	10A1280	01/21/10	01/21/10	5540 C	
Sautner (KTA0345-03) Water Sampled: 01/20/10 13:00 Received: 01/21/10 08:45									
Methylene Blue Active Substances	ND	0.0250	mg/L	1	10A1280	01/21/10	01/21/10	5540 C	
(KTA0345-04) Water Sampled: 01/20/10 10:15 Received: 01/21/10 08:45									
Methylene Blue Active Substances	ND	0.0250	mg/L	1	10A1280	01/21/10	01/21/10	5540 C	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W. 9th Ave. - King of Prussia, PA 19406
(610) 337-9992 - FAX (610) 337-9939

Brickhouse Environmental	Project: Dimock	
515 South Franklin Street	Project Number: 09-2607-0	**Reported:**
West Chester PA, 19382	Project Manager: Doug Schott	02/16/10 08:33

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED above reporting limit. If MDL is provided, analyte is NOT DETECTED above the MDL
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

TestAmerica King Of Prussia

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Oswaldo Burgos, Project Manager

Brickhouse Environmental
Consultants & Engineers
215 South Franklin Street • West Chester, PA 19382 • 610-692-5770 • Fax: 610-692-8600

MBAS

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN

BE Project No #:

Page ___ of ___

Lab Quote #:

Project Name: Dimock
BE Project Number: 09-2607-0
Sampling Team: Doug Schott and Sean Quinn
Project Manager: Doug Schott
BE Purchase Order No.:
Laboratory: Test America
Bill To: Richard J. Lippa & Assoc. (contact Ozzy Burgos at KoP Lab
TAT: [X] Normal-Standard TAT; [ ] Rush-Subject to Lab approval and surcharges.
Date Required: Approved By:
Email? [X]-Y dschott@brickhouse-environmental
Fax? [ ]-Y No.:

Container Type	G	G	P
Container Size	40 ml	40 ml	1 L
Preservative	None	None	None

ANALYSES/METHOD REQUESTED

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Glycols	Methanol, Ethanol, Isopropanol	MBAS-Surfactants	Sample/COC Comments/PID Response/Etc.
1 ~~Seymour~~	~~11/20/10~~	~~1015~~	G	~~DW~~ SO	3	1		KTA0345
2 Sautner RW	11/20/10	1350	G	DW	3	3	1	-01
3			G	DW	3	3	1	
4 Ex. 6 - Personal Privacy	11/20/10	1125	G	GW	3	3	1	-02
5 Sautner Sautner	11/20/10	13:00	G	GW	3	3	1	-03
6 Ex. 6 - Personal Privacy	11/20/10	10:15	G	GW	3	3	1	-04
7								
8								
9								
10								

Enter Number of Containers Per Sample or Field Results Below.

Receipt Information (Receiving Lab)
Cooler Temp: 2.0 Cooler #:
Therm. ID ____

	Y	N
Custody Seals Present?		
(if present) Seals Intact?		
Received on Ice?		
COC/Labels Agree?		
Cont. In Good Cond.?		
Correct Containers?		
Correct Sample Volumes?		
Correct Preservation?		

Ship. Carrier: UPS / FedEx / DHL / Other ____
Tracking #: ____

Project Comments:

Logged By (initials/date/time)
Reviewed By (initials/date/time)

Standard
CLP-like
USACE

Special Processing: USACE [ ] Navy [ ]

State Samples Collected In: [X] PA [ ] NJ [ ] NY [ ] DE

Sample Disposal: Lab [ ] Special [ ]

Format Type-

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Douglas B. Schott	11/20/10	1512	2 Fedex (overnight)		
3			4 [illegible]	11/22/10	[illegible]
5			6		
7			8		
9			10 2.0°		

* G=Grab; C=Composite ** Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; O=Oil; DL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

J:\092607.50\2010.1.19.Chain of Custody Form.xls

CABOT-EPA 000007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W. 9th Ave. - King of Prussia, PA 19406
(610) 337-9992 - FAX (610) 337-9939

16 February 2010

Brickhouse Environmental

Doug Schott
515 South Franklin Street
West Chester, PA 19382

RE: Dimock

Laboratory ID #: KTA0398

Enclosed are the results of analyses for samples received by the laboratory on 01/22/10 09:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Oswaldo Burgos
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W. 9th Ave. - King of Prussia, PA 19406
(610) 337-9992 - FAX (610) 337-9939

16 February 2010

Brickhouse Environmental

Doug Schott
515 South Franklin Street
West Chester, PA 19382

RE: Dimock

Laboratory ID #: KTA0398

Enclosed are the results of analyses for samples received by the laboratory on 01/22/10 09:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Oswaldo Burgos
Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

1008 W. 9th Ave. - King of Prussia, PA 19406

(610) 337-9992 - FAX (610) 337-9939

Brickhouse Environmental 515 South Franklin Street West Chester PA, 19382	Project: Dimock Project Number: 09-2607-0 Project Manager: Doug Schott	Reported: 02/16/10 08:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Ex. 6 - Personal Privacy	KTA0398-01	Water	01/20/10 13:00	01/22/10 09:15
	KTA0398-02	Water	01/20/10 17:00	01/22/10 09:15
	KTA0398-03	Water	01/20/10 18:25	01/22/10 09:15
	KTA0398-04	Water	01/21/10 08:00	01/22/10 09:15
	KTA0398-05	Water	01/21/10 09:15	01/22/10 09:15
	KTA0398-06	Water	01/21/10 10:00	01/22/10 09:15
	KTA0398-07	Water	01/21/10 11:20	01/22/10 09:15
	KTA0398-08	Water	01/21/10 11:25	01/22/10 09:15
	KTA0398-09	Water	01/21/10 13:30	01/22/10 09:15
	KTA0398-10	Water	01/21/10 14:10	01/22/10 09:15

TestAmerica King Of Prussia

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Oswaldo Burgos, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W. 9th Ave. - King of Prussia, PA 19406
(610) 337-9992 - FAX (610) 337-9939

Brickhouse Environmental 515 South Franklin Street West Chester PA, 19382	Project: Dimock Project Number: 09-2607-0 Project Manager: Doug Schott	**Reported:** 02/16/10 08 35

Non-Halogenated Volatile Organics

TestAmerica Buffalo

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sautner (KTA0398-01) Water Sampled: 01/20/10 13:00 Received: 01/22/10 09:15									
Propylene glycol	ND	10	mg/L	1	10A1442	01/25/10	01/25/10 13:26	8015	
Ethylene Glycol	ND	10	"	"	"	"	"	"	
Surrogate: 1,4-Butanediol		*112 %*	*66-130*		"	"	"	"	
Ex. 6 - Personal Privacy **(KTA0398-02) Water Sampled: 01/20/10 17:00 Received: 01/22/10 09:15**									
Propylene glycol	ND	10	mg/L	1	10A1442	01/25/10	01/25/10 13:42	8015	
Ethylene Glycol	ND	10	"	"	"	"	"	"	
Surrogate: 1,4-Butanediol		*113 %*	*66-130*		"	"	"	"	
Ex. 6 - Personal Privacy **(KTA0398-03) Water Sampled: 01/20/10 18:25 Received: 01/22/10 09:15**									
Propylene glycol	ND	10	mg/L	1	10A1442	01/25/10	01/25/10 13:57	8015	
Ethylene Glycol	ND	10	"	"	"	"	"	"	
Surrogate: 1,4-Butanediol		*114 %*	*66-130*		"	"	"	"	
Ex. 6 - Personal Privacy **(KTA0398-04) Water Sampled: 01/21/10 08:00 Received: 01/22/10 09:15**									
Propylene glycol	ND	10	mg/L	1	10A1442	01/25/10	01/25/10 14:13	8015	
Ethylene Glycol	ND	10	"	"	"	"	"	"	
Surrogate: 1,4-Butanediol		*115 %*	*66-130*		"	"	"	"	
Ex. 6 - Personal Privacy **(KTA0398-05) Water Sampled: 01/21/10 09:15 Received: 01/22/10 09:15**									
Propylene glycol	ND	10	mg/L	1	10A1442	01/25/10	01/25/10 14:28	8015	
Ethylene Glycol	ND	10	"	"	"	"	"	"	
Surrogate: 1,4-Butanediol		*111 %*	*66-130*		"	"	"	"	
Ex. 6 - Personal Privacy **(KTA0398-06) Water Sampled: 01/21/10 10:00 Received: 01/22/10 09:15**									
Propylene glycol	ND	10	mg/L	1	10A1442	01/25/10	01/25/10 14:44	8015	
Ethylene Glycol	ND	10	"	"	"	"	"	"	
Surrogate: 1,4-Butanediol		*112 %*	*66-130*		"	"	"	"	

TestAmerica King Of Prussia

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Oswaldo Burgos, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W. 9th Ave. - King of Prussia, PA 19406
(610) 337-9992 - FAX (610) 337-9939

Brickhouse Environmental	Project: Dimock	
515 South Franklin Street	Project Number: 09-2607-0	Reported:
West Chester PA, 19382	Project Manager: Doug Schott	02/16/10 08:35

Non-Halogenated Volatile Organics

TestAmerica Buffalo

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Ex. 6 - Personal Privacy (KTA0398-07) Water Sampled: 01/21/10 11:20 Received: 01/22/10 09:15									
Propylene glycol	ND	10	mg/L	1	10A1442	01/25/10	01/25/10 14:59	8015	
Ethylene Glycol	ND	10	"	"	"	"	"	"	
Surrogate: 1,4-Butanediol		*112 %*	*66-130*		"	"	"	"	
Ex. 6 - Personal Privacy (KTA0398-08) Water Sampled: 01/21/10 11:25 Received: 01/22/10 09:15									
Propylene glycol	ND	10	mg/L	1	10A1442	01/25/10	01/25/10 15:15	8015	
Ethylene Glycol	ND	10	"	"	"	"	"	"	
Surrogate: 1,4-Butanediol		*112 %*	*66-130*		"	"	"	"	
Ex. 6 - Personal Privacy (KTA0398-09) Water Sampled: 01/21/10 13:30 Received: 01/22/10 09:15									
Propylene glycol	ND	10	mg/L	1	10A1442	01/25/10	01/25/10 15:30	8015	
Ethylene Glycol	ND	10	"	"	"	"	"	"	
Surrogate: 1,4-Butanediol		*112 %*	*66-130*		"	"	"	"	
Ex. 6 - Personal Privacy (KTA0398-10) Water Sampled: 01/21/10 14:10 Received: 01/22/10 09:15									
Propylene glycol	ND	10	mg/L	1	10A1442	01/25/10	01/25/10 15:46	8015	
Ethylene Glycol	ND	10	"	"	"	"	"	"	
Surrogate: 1,4-Butanediol		*112 %*	*66-130*		"	"	"	"	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

1008 W. 9th Ave. - King of Prussia, PA 19406

(610) 337-9992 - FAX (610) 337-9939

Brickhouse Environmental	Project: Dimock	
515 South Franklin Street	Project Number: 09-2607-0	Reported:
West Chester PA, 19382	Project Manager: Doug Schott	02/16/10 08:35

Alcohols by EPA Method 8015 modified

TestAmerica Buffalo

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Ex. 6 - Personal Privacy (KTA0398-02) Water Sampled: 01/20/10 17:00 Received: 01/22/10 09:15									
Ethanol	ND	1000	ug/L	1	10A1290	01/25/10	01/25/10 11:18	8015	
Isopropyl alcohol	ND	1000	"	"	"	"	"	"	
Methanol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Hexanone		*101 %*	*70-129*		"	"	"	"	
Ex. 6 - Personal Privacy (KTA0398-03) Water Sampled: 01/20/10 18:25 Received: 01/22/10 09:15									
Ethanol	ND	1000	ug/L	1	10A1290	01/25/10	01/25/10 11:37	8015	
Isopropyl alcohol	ND	1000	"	"	"	"	"	"	
Methanol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Hexanone		*93 %*	*70-129*		"	"	"	"	
Ex. 6 - Personal Privacy (KTA0398-04) Water Sampled: 01/21/10 08:00 Received: 01/22/10 09:15									
Ethanol	ND	1000	ug/L	1	10A1290	01/25/10	01/25/10 11:46	8015	
Isopropyl alcohol	ND	1000	"	"	"	"	"	"	
Methanol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Hexanone		*100 %*	*70-129*		"	"	"	"	
Ex. 6 - Personal Privacy (KTA0398-05) Water Sampled: 01/21/10 09:15 Received: 01/22/10 09:15									
Ethanol	ND	1000	ug/L	1	10A1290	01/25/10	01/25/10 11:55	8015	
Isopropyl alcohol	ND	1000	"	"	"	"	"	"	
Methanol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Hexanone		*100 %*	*70-129*		"	"	"	"	
Ex. 6 - Personal Privacy (KTA0398-06) Water Sampled: 01/21/10 10:00 Received: 01/22/10 09:15									
Ethanol	ND	1000	ug/L	1	10A1290	01/25/10	01/25/10 12:04	8015	
Isopropyl alcohol	ND	1000	"	"	"	"	"	"	
Methanol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Hexanone		*97 %*	*70-129*		"	"	"	"	

TestAmerica King Of Prussia

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Oswaldo Burgos, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W. 9th Ave. - King of Prussia, PA 19406
(610) 337-9992 - FAX (610) 337-9939

Brickhouse Environmental	Project: Dimock	
515 South Franklin Street	Project Number: 09-2607-0	Reported:
West Chester PA, 19382	Project Manager: Doug Schott	02/16/10 08:35

Alcohols by EPA Method 8015 modified

TestAmerica Buffalo

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Ex. 6 - Personal Privacy (KTA0398-07) Water Sampled: 01/21/10 11:20 Received: 01/22/10 09:15									
Ethanol	ND	1000	ug/L	1	10A1290	01/25/10	01/25/10 12:14	8015	
Isopropyl alcohol	ND	1000	"	"	"	"	"	"	
Methanol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Hexanone		*100 %*	*70-129*		"	"	"	"	
Ex. 6 - Personal Privacy (KTA0398-08) Water Sampled: 01/21/10 11:25 Received: 01/22/10 09:15									
Ethanol	ND	1000	ug/L	1	10A1290	01/25/10	01/25/10 12:23	8015	
Isopropyl alcohol	ND	1000	"	"	"	"	"	"	
Methanol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Hexanone		*99 %*	*70-129*		"	"	"	"	
Ex. 6 - Personal Privacy (KTA0398-09) Water Sampled: 01/21/10 13:30 Received: 01/22/10 09:15									
Ethanol	ND	1000	ug/L	1	10A1290	01/25/10	01/25/10 12:32	8015	
Isopropyl alcohol	ND	1000	"	"	"	"	"	"	
Methanol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Hexanone		*95 %*	*70-129*		"	"	"	"	
(KTA0398-10) Water Sampled: 01/21/10 14:10 Received: 01/22/10 09:15									
Ethanol	ND	1000	ug/L	1	10A1290	01/25/10	01/25/10 12:41	8015	
Isopropyl alcohol	ND	1000	"	"	"	"	"	"	
Methanol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Hexanone		*101 %*	*70-129*		"	"	"	"	

TestAmerica King Of Prussia

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety

Oswaldo Burgos, Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

1008 W. 9th Ave. - King of Prussia, PA 19406

(610) 337-9992 - FAX (610) 337-9939

Brickhouse Environmental	Project: Dimock	
515 South Franklin Street	Project Number: 09-2607-0	**Reported:**
West Chester PA, 19382	Project Manager: Doug Schott	02/16/10 08:35

General Chemistry Parameters

TestAmerica Buffalo

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Ex. 6 - Personal Privacy (KTA0398-02) Water Sampled: 01/20/10 17:00 Received: 01/22/10 09:15									
Methylene Blue Active Substances	**0.0476**	0.0250	mg/L	1	10A1370	01/22/10	01/22/10 16:00	5540 C	
Ex. 6 - Personal Privacy (KTA0398-03) Water Sampled: 01/20/10 18:25 Received: 01/22/10 09:15									
Methylene Blue Active Substances	ND	0.0250	mg/L	1	10A1370	01/22/10	01/22/10 16:00	5540 C	
S Ex. 6 - Personal Privacy (KTA0398-04) Water Sampled: 01/21/10 08:00 Received: 01/22/10 09:15									
Methylene Blue Active Substances	**0.0376**	0.0250	mg/L	1	10A1370	01/22/10	01/22/10 16:00	5540 C	
Ex. 6 - Personal Privacy (Weaver) (KTA0398-05) Water Sampled: 01/21/10 09:15 Received: 01/22/10 09:15									
Methylene Blue Active Substances	**0.0488**	0.0250	mg/L	1	10A1370	01/22/10	01/22/10 16:00	5540 C	
Ex. 6 - Personal Privacy (KTA0398-06) Water Sampled: 01/21/10 10:00 Received: 01/22/10 09:15									
Methylene Blue Active Substances	**0.0289**	0.0250	mg/L	1	10A1370	01/22/10	01/22/10 16:00	5540 C	
Ex. 6 - Personal Privacy KTA0398-07) Water Sampled: 01/21/10 11:20 Received: 01/22/10 09:15									
Methylene Blue Active Substances	ND	0.0250	mg/L	1	10A1370	01/22/10	01/22/10 16:00	5540 C	
Ex. 6 - Personal Privacy KTA0398-08) Water Sampled: 01/21/10 11:25 Received: 01/22/10 09:15									
Methylene Blue Active Substances	ND	0.0250	mg/L	1	10A1370	01/22/10	01/22/10 16:00	5540 C	
Ex. 6 - Personal Privacy (KTA0398-09) Water Sampled: 01/21/10 13:30 Received: 01/22/10 09:15									
Methylene Blue Active Substances	ND	0.0250	mg/L	1	10A1370	01/22/10	01/22/10 16:00	5540 C	
Ex. 6 - Personal Privacy (KTA0398-10) Water Sampled: 01/21/10 14:10 Received: 01/22/10 09:15									
Methylene Blue Active Substances	ND	0.0250	mg/L	1	10A1370	01/22/10	01/22/10 16:00	5540 C	

TestAmerica King Of Prussia

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Oswaldo Burgos, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W. 9th Ave. - King of Prussia, PA 19406
(610) 337-9992 - FAX (610) 337-9939

Brickhouse Environmental	Project: Dimock	
515 South Franklin Street	Project Number: 09-2607-0	**Reported:**
West Chester PA, 19382	Project Manager: Doug Schott	02/16/10 08:35

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED above reporting limit. If MDL is provided, analyte is NOT DETECTED above the MDL
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

TestAmerica King Of Prussia

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Oswaldo Burgos, Project Manager

SUBCONTRACT ORDER
TestAmerica King Of Prussia

KTA0398

SENDING LABORATORY:	RECEIVING LABORATORY:
TestAmerica King Of Prussia	TestAmerica Buffalo
1008 West Ninth Avenue	10 Hazelwood Drive
King of Prussia, PA 19406	Amherst, NY 14228-2298
Phone: 610.337.9992	Phone :(716) 691-2600
Fax: 610.337.9939	Fax: (716) 691-7991
Project Manager: Oswaldo Burgos	Project Location: Pennsylvania
Client: Brickhouse Environmental	Receipt Temperature: _____ °C Ice: Y / N

Samples shipped directly to TA-Buffalo. JK 1/25/10

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
Sample ID: KTA0398-01 (Sautner - Water)			Sampled: 01/20/10 13:00			
Ethylene Glycol	mg/L	02/02/10	02/03/10 13:00	$75.00	0%	Include Propylene Glycol
Containers Supplied:						
Voa Vial - HCl (A)	Voa Vial - HCl (B)	Voa Vial - HCl (C)				
Sample ID: KTA0398-02 ([redacted] Water)			Sampled: 01/20/10 17:00			
Ethylene Glycol	mg/L	02/02/10	02/03/10 17:00	$75.00	0%	Include Propylene Glycol
MBAS-425.1 SUB	mg/L	02/02/10	01/22/10 17:00	$60.00	0%	
Misc. Sub 2	% by Weight	02/02/10	07/19/10 17:00	$0.00	0%	Methanol, Ethanol, Isopropanol
Containers Supplied:						
Voa Vial - HCl (A)	Voa Vial - HCl (B)	Voa Vial - HCl (C)	Voa Vial - HCl (D)	Voa Vial - HCl (E)		
Voa Vial - HCl (F)	1L Poly-Cool 4°C (G)					
Sample ID: KTA0398-03 ([redacted] - Water)			Sampled: 01/20/10 18:25			
Ethylene Glycol	mg/L	02/02/10	02/03/10 18:25	$75.00	0%	Include Propylene Glycol
MBAS-425.1 SUB	mg/L	02/02/10	01/22/10 18:25	$60.00	0%	
Misc. Sub 2	% by Weight	02/02/10	07/19/10 18:25	$0.00	0%	Methanol, Ethanol, Isopropanol
Containers Supplied:						
Voa Vial - HCl (A)	Voa Vial - HCl (B)	Voa Vial - HCl (C)	Voa Vial - HCl (D)	Voa Vial - HCl (E)		
Voa Vial - HCl (F)	1L Poly-Cool 4°C (G)					
Sample ID: KTA0398-04 ([redacted] - Water)			Sampled: 01/21/10 08:00			
Ethylene Glycol	mg/L	02/02/10	02/04/10 08:00	$75.00	0%	Include Propylene Glycol
MBAS-425.1 SUB	mg/L	02/02/10	01/23/10 08:00	$60.00	0%	
Misc. Sub 2	% by Weight	02/02/10	07/20/10 08:00	$0.00	0%	Methanol, Ethanol, Isopropanol
Containers Supplied:						
Voa Vial - HCl (A)	Voa Vial - HCl (B)	Voa Vial - HCl (C)	Voa Vial - HCl (D)	Voa Vial - HCl (E)		
Voa Vial - HCl (F)	1L Poly-Cool 4°C (G)					

Released By	Date/Time	Received By	Date/Time
[signature]	1/25/10		
Released By	Date/Time	Received By	Date/Time

SUBCONTRACT ORDER
TestAmerica King Of Prussia

KTA0398

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
Sample ID: KTA0398-05 ([Ex. 6 - Personal Privacy] - Water) Sampled: 01/21/10 09:15						
Ethylene Glycol	mg/L	02/02/10	02/04/10 09:15	$75.00	0%	Include Propylene Glycol
MBAS-425.1 SUB	mg/L	02/02/10	01/23/10 09:15	$60.00	0%	
Misc. Sub 2	% by Weight	02/02/10	07/20/10 09:15	$0.00	0%	Methanol, Ethanol, Isopropanol
Containers Supplied:						
Voa Vial - HCl (A)	Voa Vial - HCl (B)	Voa Vial - HCl (C)	Voa Vial - HCl (D)	Voa Vial - HCl (E)		
Voa Vial - HCl (F)	1L Poly-Cool 4°C (G)					
Sample ID: KTA0398-06 ([Ex. 6 - Personal Privacy] - Water) Sampled: 01/21/10 10:00						
Ethylene Glycol	mg/L	02/02/10	02/04/10 10:00	$75.00	0%	Include Propylene Glycol /DW Standards
MBAS-425.1 SUB	mg/L	02/02/10	01/23/10 10:00	$60.00	0%	DW Standards
Misc. Sub 2	% by Weight	02/02/10	07/20/10 10:00	$0.00	0%	Methanol, Ethanol, Isopropanol / DW Standards
Containers Supplied:						
Voa Vial - HCl (A)	Voa Vial - HCl (B)	Voa Vial - HCl (C)	Voa Vial - HCl (D)	Voa Vial - HCl (E)		
Voa Vial - HCl (F)	1L Poly-Cool 4°C (G)					
Sample ID: KTA0398-07 ([Ex. 6 - Personal Privacy] Water) Sampled: 01/21/10 11:20						
Ethylene Glycol	mg/L	02/02/10	02/04/10 11:20	$75.00	0%	Include Propylene Glycol
MBAS-425.1 SUB	mg/L	02/02/10	01/23/10 11:20	$60.00	0%	
Misc. Sub 2	% by Weight	02/02/10	07/20/10 11:20	$0.00	0%	Methanol, Ethanol, Isopropanol
Containers Supplied:						
Voa Vial - HCl (A)	Voa Vial - HCl (B)	Voa Vial - HCl (C)	Voa Vial - HCl (D)	Voa Vial - HCl (E)		
Voa Vial - HCl (F)	1L Poly-Cool 4°C (G)					
Sample ID: KTA0398-08 ([Ex. 6 - Personal Privacy] Water) Sampled: 01/21/10 11:25						
Ethylene Glycol	mg/L	02/02/10	02/04/10 11:25	$75.00	0%	Include Propylene Glycol
MBAS-425.1 SUB	mg/L	02/02/10	01/23/10 11:25	$60.00	0%	
Misc. Sub 2	% by Weight	02/02/10	07/20/10 11:25	$0.00	0%	Methanol, Ethanol, Isopropanol
Containers Supplied:						
Voa Vial - HCl (A)	Voa Vial - HCl (B)	Voa Vial - HCl (C)	Voa Vial - HCl (D)	Voa Vial - HCl (E)		
Voa Vial - HCl (F)	1L Poly-Cool 4°C (G)					
Sample ID: KTA0398-09 ([Ex. 6 - Personal Privacy] Water) Sampled: 01/21/10 13:30						
Ethylene Glycol	mg/L	02/02/10	02/04/10 13:30	$75.00	0%	Include Propylene Glycol
MBAS-425.1 SUB	mg/L	02/02/10	01/23/10 13:30	$60.00	0%	
Misc. Sub 2	% by Weight	02/02/10	07/20/10 13:30	$0.00	0%	Methanol, Ethanol, Isopropanol
Containers Supplied:						
Voa Vial - HCl (A)	Voa Vial - HCl (B)	Voa Vial - HCl (C)	Voa Vial - HCl (D)	Voa Vial - HCl (E)		
Voa Vial - HCl (F)	1L Poly-Cool 4°C (G)					

SUBCONTRACT ORDER
TestAmerica King Of Prussia

KTA0398

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
Sample ID: KTA0398-10 ([illegible] Water)			**Sampled: 01/21/10 14:10**			
Ethylene Glycol	mg/L	02/02/10	02/04/10 14:10	$75.00	0%	Include Propylene Glycol
MBAS-425.1 SUB	mg/L	02/02/10	01/23/10 14:10	$60.00	0%	
Misc. Sub 2	% by Weight	02/02/10	07/20/10 14:10	$0.00	0%	Methanol, Ethanol, Isopropanol

Containers Supplied:

Voa Vial - HCl (A)	Voa Vial - HCl (B)	Voa Vial - HCl (C)	Voa Vial - HCl (D)	Voa Vial - HCl (E)
Voa Vial - HCl (F)	1L Poly-Cool 4°C (G)			

Brickhouse Environmental
Consultants & Engineers

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

BE Project No #:

Lab Quote #:

Page ___ of ___

Project Name: Dimock
BE Project Number: 09-2602-0
Sampling Team: Doug Schott and Sean Quinn
Project Manager: Doug Schott
BE Purchase Order No.:
Laboratory: Kar America
BE's Lab: Richard J. Lippincott, contact Gary Burgess at Kar Lab
TAT: [X] Normal Standard TAT; [ ] Rush-Subject to Lab approval and surcharges.
Doug Requested: Approved By:
Email: [X] Yes: dschott@brickhouse-environmental
Fax: [ ] Yes: No:

Container Type	G	G	P
Container Size	40 ml	40 ml	1L
Preservative	None	None	None

ANALYSES/METHOD REQUESTED

Receipt Information (Receiving Lab)
Cooler Temp: 2.0 Cooler #:
Therm. ID ___ Y N
Custody Seals Present? [ ] [ ]
(If present) Seals Intact? [ ] [ ]
Received on Ice? [ ] [ ]
COC/Labels Agree? [ ] [ ]
Cont. in Good Cond.? [ ] [ ]
Correct Containers? [ ] [ ]
Correct Sample Volumes? [ ] [ ]
Correct Preservation? [ ] [ ]
Ship. Carrier: UPS / FedEx / DHL / Other ___
Tracking #: ___

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Glycols	Methanol, Ethanol, Isopropanol	MBAS-Surfactants	Sample/COC Comments/PID Response/Etc.
Ex. 6 - Personal Privacy	1/20/10	1300	G	GW	3	3	1	KTA0598 -01
	1/20/10	1700	G	GW	3	3	1	-02
	1/20/10	1825	G	GW	3	3	1	-03
	1/21/10	800	G	GW	3	3	1	-04
	1/21/10	945	G	GW	3	3	1	-05
	1/21/10	1002	G	GW	3	3	1	-06
	1/21/10	1120	G	GW	3	3	1	-07
	1/21/10	1125	G	GW	3	3	1	-08
	1/21/10	1330	G	GW	3	3	1	-09
	1/21/10	~~1350~~ 1410	G	GW	3	3	1	-10

Enter Number of Containers Per Sample or Field Results Below.

Project Comments:

Logged By (initials/date/time)
Reviewed By (initials/date/time)

[ ] Standard
[ ] CLP-like
[ ] USACE

Special Processing: USACE [ ] Navy [ ]
State Samples Collected In: [ ] PA [ ] NJ [ ] NY [ ] DE
Sample Disposal: Lab [ ] Special [ ]
Format Type-

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature]	1/21/10	1525	2 FedEx overnight	1/21/10	
3			4		
5			6 [signature]	1/22	0815
7			8		
9			10		

*G=Grab, C=Composite **Matrix - AI=Air, DW=Drinking Water, GW=Groundwater, OI=Oil, OL=Other Liquid, SL=Sludge, SO=Soil, WP=Wipe, WW=Wastewater

J:\092607.50\2010.1.19.Chain of Custody Form.xls

CABOT-EPA 000019