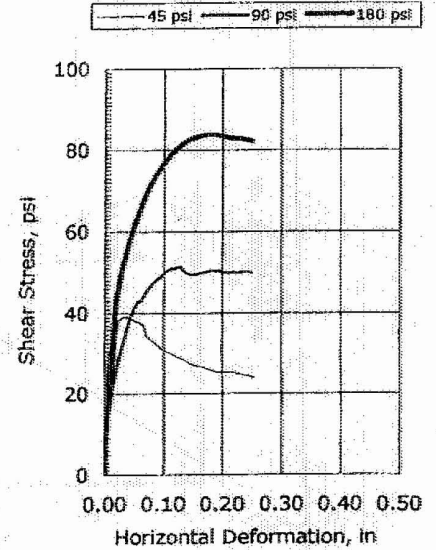
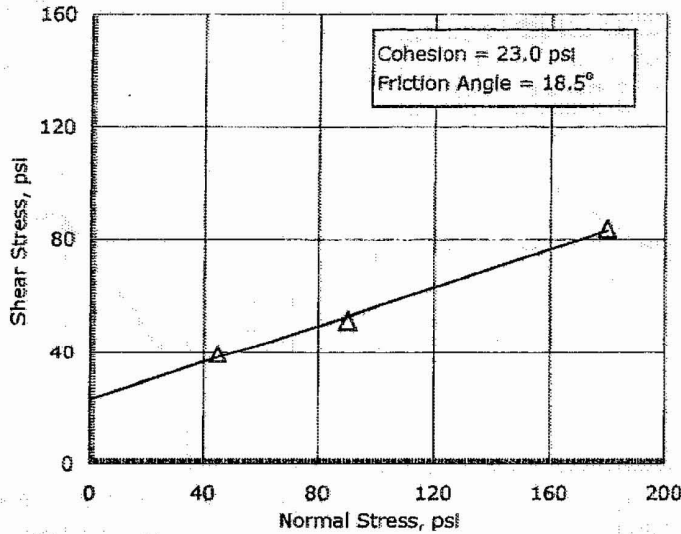


# GeoTesting express

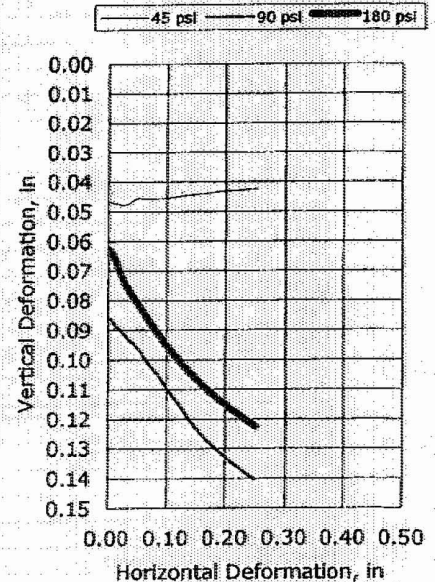
a subsidiary of Geocomp Corporation

Client:	Schnabel Engineering, Inc.
Project Name:	Subsurface Investigation Calvert Cliffs Nuclear PP
Project Location:	Calvert County, MD
GTX #:	6880
Test Date:	10/11/2006
Tested By:	md
Checked By:	jdt
Boring ID:	B-423
Sample ID:	S-41
Depth, ft:	188.5-189.0
Visual Description:	Moist olive gray silt

## Direct Shear Test of Soils Under Consolidated Drained Conditions by ASTM D 3080-04



Test No.:	DS130	DS131	DS132
Initial Diameter, in:	2.5	2.5	2.5
Initial Height, in:	1.0	1.0	1.0
Initial Mass, grams:	123.4	111.4	107.9
Initial Dry Density, pcf:	55.9	50.5	48.5
Initial Moisture Content, %:	71.4	71.2	72.7
Initial Bulk Density, pcf:	95.8	86.5	83.7
Initial Degree of Saturation:	99.6	85.2	81.8
Initial Void Ratio:	1.793	2.090	2.220
Final Dry Density, pcf:	58.4	58.8	55.3
Final Moisture Content, %:	76.1	90.1	70.2
Final Bulk Density, pcf:	102.7	111.7	94.0
Normal Stress, psi:	45.0	90.0	180
Maximum Shear Stress, psi:	39.2	51.4	83.8
Shear Rate, in/min:	0.0006	0.0006	0.0006
t <sub>50</sub> :	---	---	0.9
Sample Type:	Tube		
Measured Specific Gravity:	2.5		
Liquid Limit:	111		
Plastic Limit:	70		
Plasticity Index:	41		
% Passing #200 sieve:	91		
Soil Classification:	Elastic Silt		
Group Symbol:	MH		



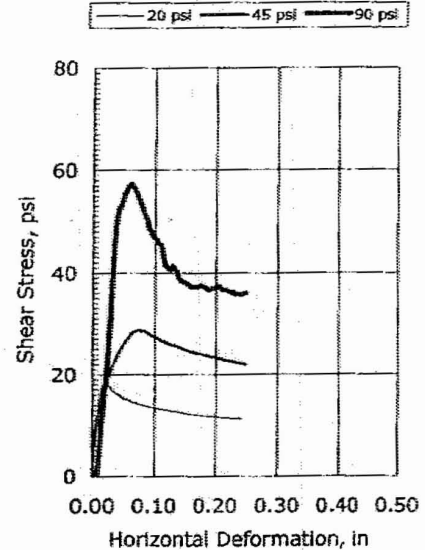
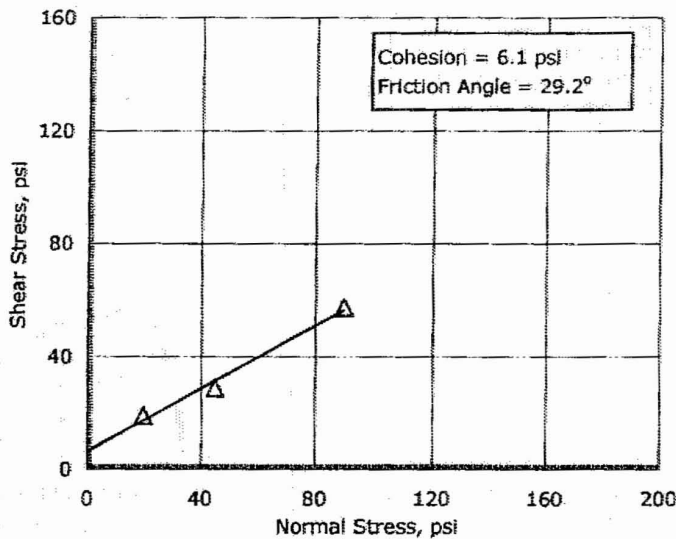
Notes: Moisture content obtained before shear from sample trimmings  
Moisture Content determined by ASTM D 2216  
Specific Gravity determined by ASTM D 854  
Percent passing #200 sieve determined by ASTM D 422

# GeoTesting express

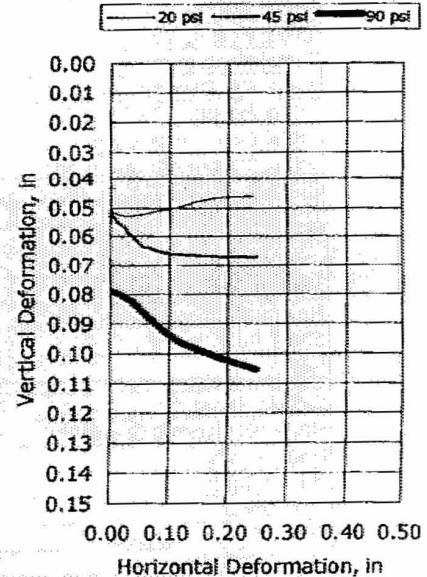
a subsidiary of Geocomp Corporation

Client:	Schnabel Engineering, Inc.
Project Name:	Subsurface Investigation Calvert Cliffs Nuclear PP
Project Location:	Calvert County, MD
GTX #:	6880
Test Date:	9/26/2006
Tested By:	md
Checked By:	jdt
Boring ID:	B-427
Sample ID:	S-16
Depth, ft:	63.5-65.5
Visual Description:	Molst, black sandy organic clay

## Direct Shear Test of Soils Under Consolidated Drained Conditions by ASTM D 3080-04



Test No.:	DS98	DS99	DS100
Initial Diameter, in:	2.5	2.5	2.5
Initial Height, in:	1.0	1.0	1.0
Initial Mass, grams:	147.0	144.9	146.5
Initial Dry Density, pcf:	83.0	83.7	84.4
Initial Moisture Content, %:	35.5	36.2	34.7
Initial Bulk Density, pcf:	112.4	114.1	113.7
Initial Degree of Saturation:	91.7	95.2	92.7
Initial Void Ratio:	1.062	1.043	1.026
Final Dry Density, pcf:	87.0	89.8	94.4
Final Moisture Content, %:	37.7	36.6	37.0
Final Bulk Density, pcf:	119.7	122.6	129.2
Normal Stress, psi:	20.0	45.0	90.0
Maximum Shear Stress, psi:	19.0	28.7	57.4
Shear Rate, in/min:	0.0006	0.0006	0.0006
t <sub>50</sub> :	---	---	2.4
Sample Type:	Tube		
Measured Specific Gravity:	2.74		
Liquid Limit:	56		
Plastic Limit:	18		
Plasticity Index:	38		
% Passing #200 sieve:	61		
Soil Classification:	Sandy organic Clay		
Group Symbol:	OH		



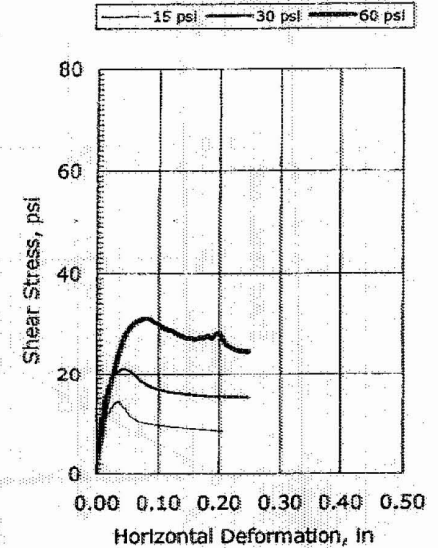
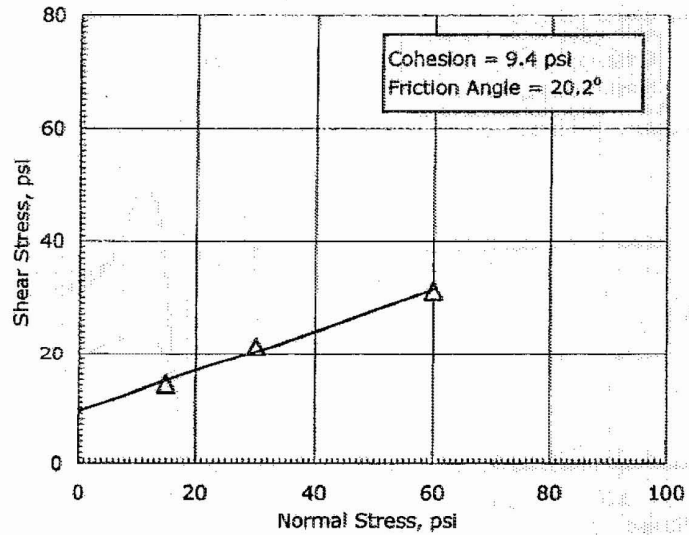
Notes: Moisture content obtained before shear from sample trimmings  
Moisture Content determined by ASTM D 2216  
Specific Gravity determined by ASTM D 854  
Percent passing #200 sieve determined by ASTM D 422

# GeoTesting express

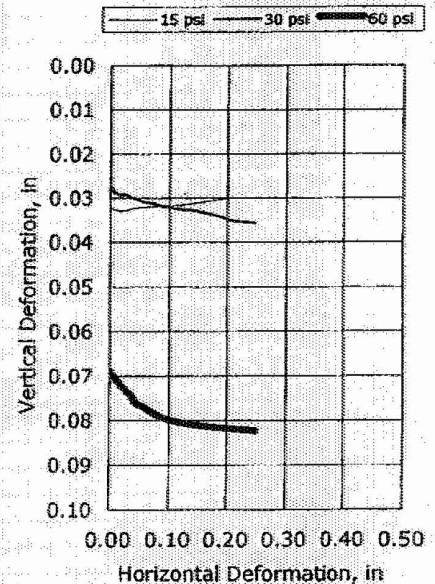
a subsidiary of Geocomp Corporation

Client:	Schnabel Engineering, Inc.
Project Name:	Subsurface Investigation Calvert Cliffs Nuclear PP
Project Location:	Calvert County, MD
GTX #:	6880
Test Date:	9/23/2006
Tested By:	md
Checked By:	jdt
Boring ID:	B-433
Sample ID:	S-11
Depth, ft:	38.5-40.5
Visual Description:	Moist, very dark gray clay

## Direct Shear Test of Soils Under Consolidated Drained Conditions by ASTM D 3080-04



Test No.:	DS28	DS29	DS30
Initial Diameter, in:	2.5	2.5	2.5
Initial Height, in:	1.0	1.0	1.0
Initial Mass, grams:	149.6	152.5	152.4
Initial Dry Density, pcf:	86.7	89.5	88.7
Initial Moisture Content, %:	34.0	32.3	33.3
Initial Bulk Density, pcf:	116.1	118.4	118.3
Initial Degree of Saturation:	94.6	95.9	97.2
Initial Void Ratio:	0.995	0.933	0.949
Final Dry Density, pcf:	89.3	92.8	96.7
Final Moisture Content, %:	33.0	35.4	34.7
Final Bulk Density, pcf:	118.8	125.6	130.3
Normal Stress, psi:	15.0	30.0	60.0
Maximum Shear Stress, psi:	14.3	21.3	31.1
Shear Rate, in/min:	0.0005	0.0005	0.0005
t <sub>50</sub> :	---	---	3.2
Sample Type:	Tube		
Measured Specific Gravity:	2.77		
Liquid Limit:	61		
Plastic Limit:	14		
Plasticity Index:	47		
% Passing #200 sieve:	91		
Soil Classification:	Fat Clay		
Group Symbol:	CH		



Notes: Moisture content obtained before shear from sample trimmings  
 Moisture Content determined by ASTM D 2216  
 Specific Gravity determined by ASTM D 854  
 Percent passing #200 sieve determined by ASTM D 422

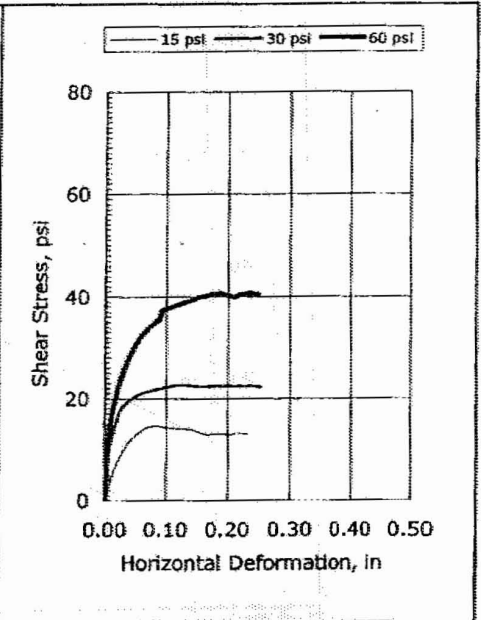
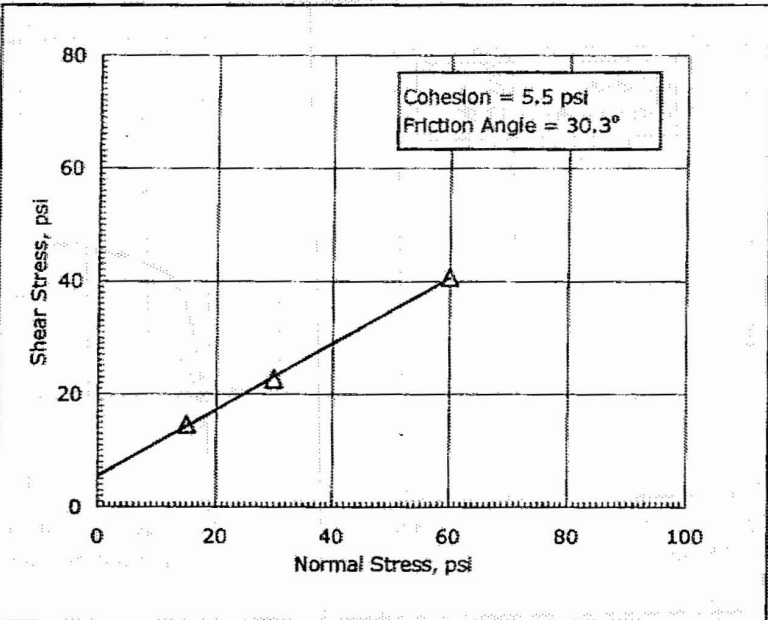


# GeoTesting express

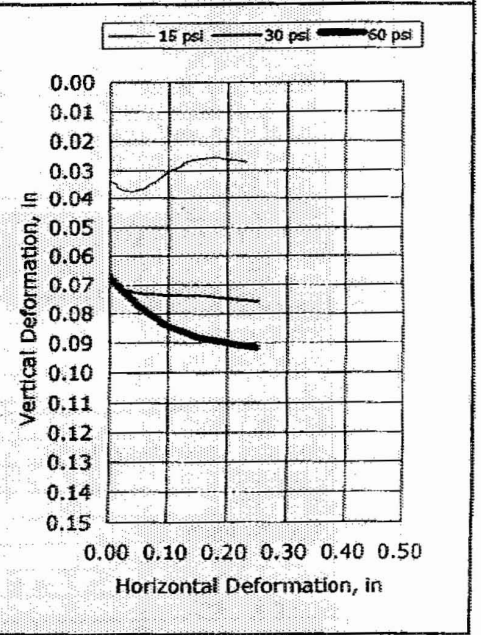
a subsidiary of Geocomp Corporation

Client:	Schnabel Engineering, Inc.
Project Name:	Subsurface Investigation Calvert Cliffs Nuclear PP
Project Location:	Calvert County, MD
GTX #:	6880
Test Date:	10/22/2006
Tested By:	md
Checked By:	jdt
Boring ID:	B-440
Sample ID:	S-14
Depth, ft:	51-53
Visual Description:	Moist, dark greenish gray clayey sand

## Direct Shear Test of Soils Under Consolidated Drained Conditions by ASTM D 3080-04



Test No.:	DS143	DS144	DS145
Initial Diameter, in:	2.5	2.5	2.5
Initial Height, in:	1.0	1.0	1.0
Initial Mass, grams:	154.3	148.3	150.8
Initial Dry Density, pcf:	93.1	87.2	89.6
Initial Moisture Content, %:	28.6	32.1	30.7
Initial Bulk Density, pcf:	119.7	115.1	117.0
Initial Degree of Saturation:	93.1	91.0	92.0
Initial Void Ratio:	0.794	0.821	0.741
Final Dry Density, pcf:	95.7	94.3	98.6
Final Moisture Content, %:	28.7	31.9	27.9
Final Bulk Density, pcf:	123.2	124.3	126.1
Normal Stress, psi:	15.0	30.0	60.0
Maximum Shear Stress, psi:	14.6	22.6	40.8
Shear Rate, in/min:	0.0007	0.0007	0.0007
t <sub>50</sub> :	---	---	5.8
Sample Type:	Tube		
Measured Specific Gravity:	2.75		
Liquid Limit:	30		
Plastic Limit:	21		
Plasticity Index:	9		
% Passing #200 sieve:	18		
Soil Classification:	Clayey Sand		
Group Symbol:	SC		



**Notes:** Moisture content obtained before shear from sample trimmings  
 Moisture Content determined by ASTM D 2216  
 Specific Gravity determined by ASTM D 854  
 Percent passing #200 sieve determined by ASTM D 422

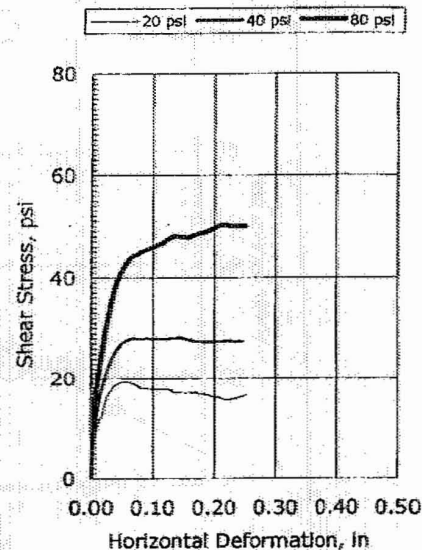
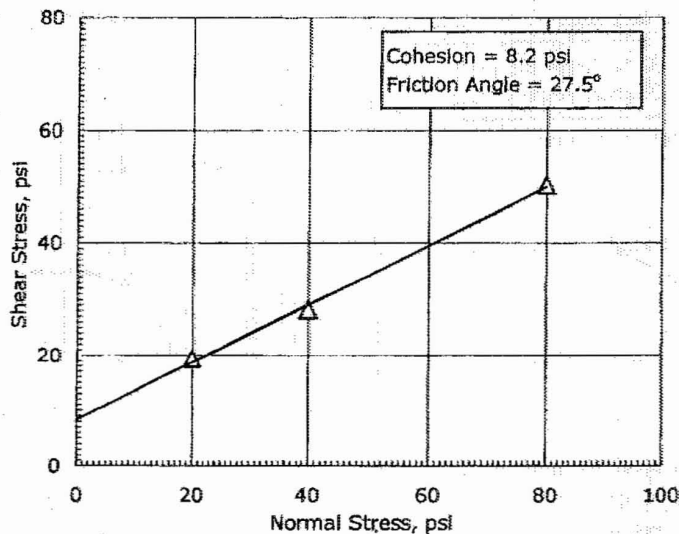


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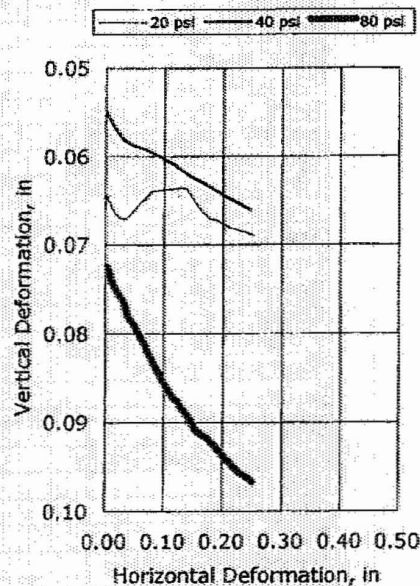
a subsidiary of Geocomp Corporation

Client:	Schnabel Engineering, Inc.
Project Name:	Subsurface Investigation Calvert Cliffs Nuclear PP
Project Location:	Calvert County, MD
GTX #:	6880
Test Date:	9/22/2006
Tested By:	md
Checked By:	jdt
Boring ID:	B-724
Sample ID:	UD-1
Depth, ft:	73.5-75.5
Visual Description:	Molst, dark olive gray sandy organic clay

## Direct Shear Test of Soils Under Consolidated Drained Conditions by ASTM D 3080-04



Test No.:	DS25	DS26	DS27
Initial Diameter, in:	2.5	2.5	2.5
Initial Height, in:	1.0	1.0	1.0
Initial Mass, grams:	149.3	152.0	151.5
Initial Dry Density, pcf:	89.0	90.8	90.1
Initial Moisture Content, %:	30.1	29.9	30.6
Initial Bulk Density, pcf:	115.9	117.9	117.6
Initial Degree of Saturation:	91.1	94.2	94.7
Initial Void Ratio:	0.893	0.856	0.872
Final Dry Density, pcf:	95.6	97.2	99.6
Final Moisture Content, %:	33.0	32.3	31.3
Final Bulk Density, pcf:	127.2	128.7	130.8
Normal Stress, psi:	20.0	40.0	80.0
Maximum Shear Stress, psi	19.3	28.2	50.3
Shear Rate, in/min:	0.001	0.001	0.001
t <sub>50</sub> :	---	---	0.2
Sample Type:	Tube		
Measured Specific Gravity:	2.70		
Liquid Limit:	45		
Plastic Limit:	24		
Plasticity Index:	21		
% Passing #200 sieve:	60		
Soil Classification:	Sandy Organic Clay		
Group Symbol:	OL		



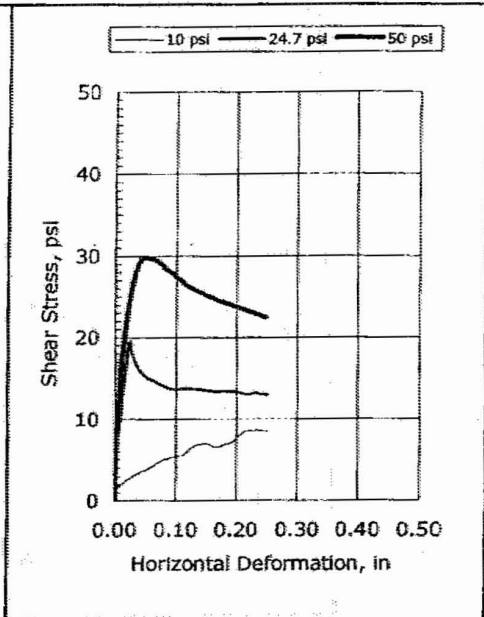
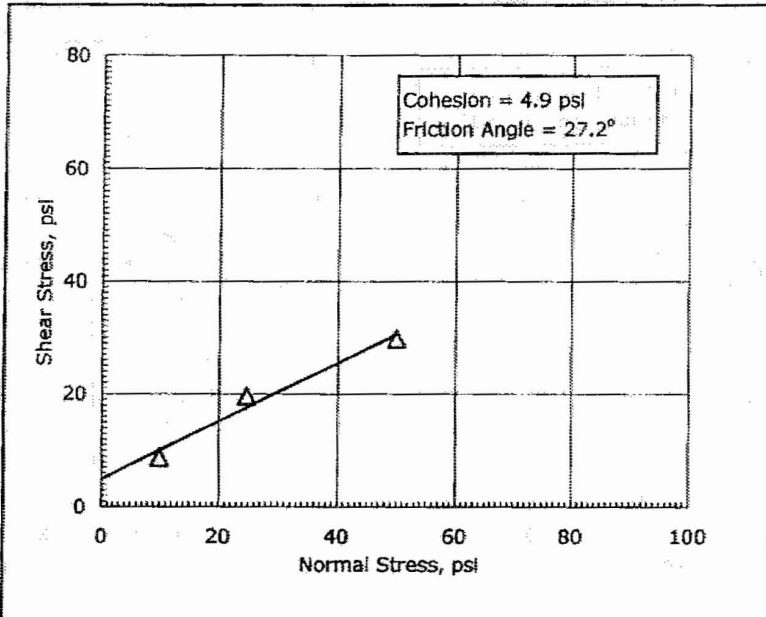
Notes: Moisture content obtained before shear from sample trimmings  
Moisture Content determined by ASTM D 2216  
Specific Gravity determined by ASTM D 854  
Percent passing #200 sieve determined by ASTM D 422

# GeoTesting express

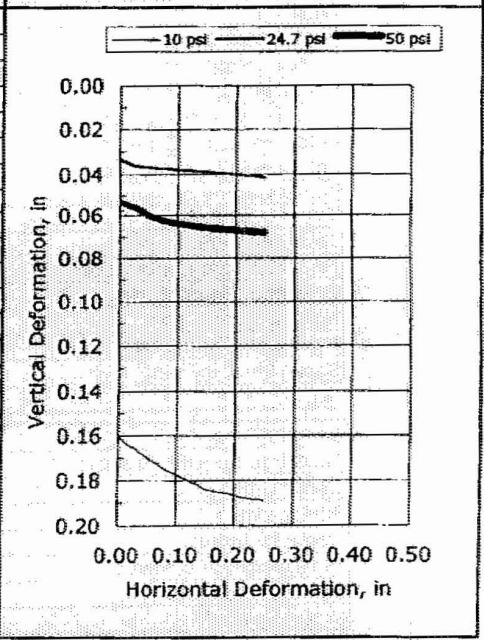
a subsidiary of Geocomp Corporation

Client:	Schnabel Engineering, Inc.
Project Name:	Subsurface Investigation Calvert Cliffs Nuclear PP
Project Location:	Calvert County, MD
GTX #:	6880
Test Date:	9/21/2006
Tested By:	md
Checked By:	jdt
Boring ID:	B-735
Sample ID:	S-9
Depth, ft:	28-30
Visual Description:	Moist, dark gray clay

## Direct Shear Test of Soils Under Consolidated Drained Conditions by ASTM D 3080-04



Test No.:	DS16	DS17	DS18
Initial Diameter, in:	2.5	2.5	2.5
Initial Height, in:	1.0	1.0	1.0
Initial Mass, grams:	142.6	153.3	153.1
Initial Dry Density, pcf:	78.0	90.1	91.3
Initial Moisture Content, %:	42.0	32.0	30.2
Initial Bulk Density, pcf:	110.7	119.0	118.8
Initial Degree of Saturation:	97.8	99.7	96.7
Initial Void Ratio:	1.153	0.863	0.840
Final Dry Density, pcf:	96.2	90.9	97.9
Final Moisture Content, %:	30.3	33.4	33.3
Final Bulk Density, pcf:	125.3	121.2	130.5
Normal Stress, psi:	10.0	24.7	50.0
Maximum Shear Stress, psi:	8.7	19.6	29.8
Shear Rate, in/min:	0.0006	0.0006	0.0006
$c_{so}$ :	---	---	1.1
Sample Type:	Tube		
Measured Specific Gravity:	2.69		
Liquid Limit:	51		
Plastic Limit:	16		
Plasticity Index:	35		
% Passing #200 sieve:	87		
Soil Classification:	Fat Clay		
Group Symbol:	CH		



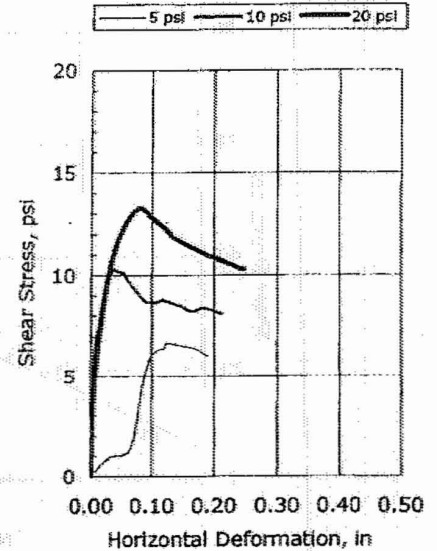
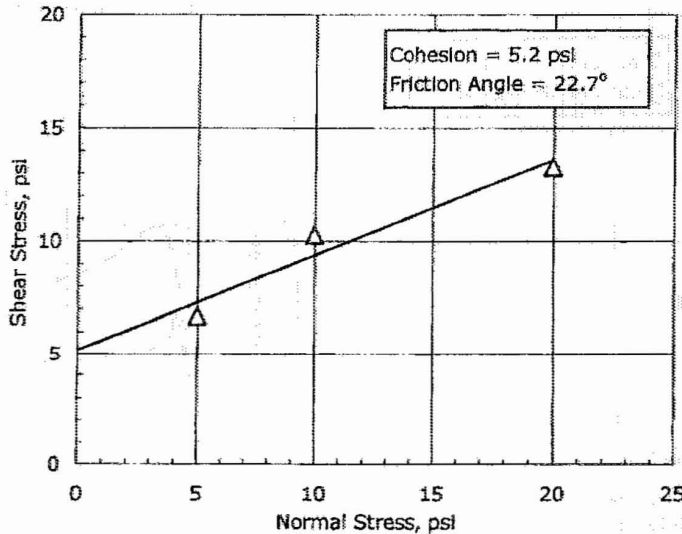
Notes: Moisture content obtained before shear from sample trimmings  
 Moisture Content determined by ASTM D 2216  
 Specific Gravity determined by ASTM D 854  
 Percent passing #200 sieve determined by ASTM D 422

# GeoTesting express

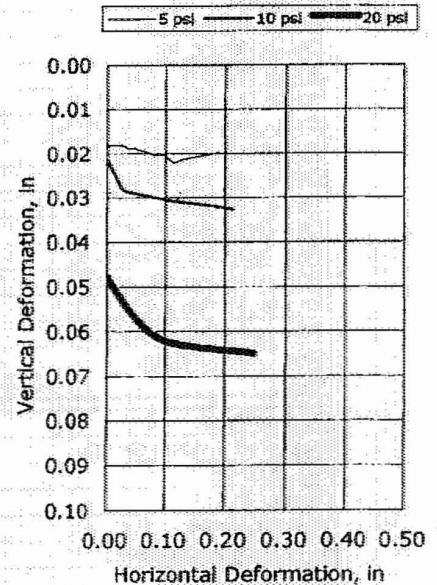
a subsidiary of Geocomp Corporation

Client:	Schnabel Engineering, Inc.
Project Name:	Subsurface Investigation Calvert Cliffs Nuclear PP
Project Location:	Calvert County, MD
GTX #:	6880
Test Date:	9/20/2006
Tested By:	md
Checked By:	jdt
Boring ID:	B-737
Sample ID:	UD-1
Depth, ft:	10.5-12.5
Visual Description:	Moist, very pale brown clay

## Direct Shear Test of Soils Under Consolidated Drained Conditions by ASTM D 3080-04



Test No.:	DS13	DS14	DS15
Initial Diameter, in:	2.5	2.5	2.5
Initial Height, in:	1.0	1.0	1.0
Initial Mass, grams:	147.4	146.9	144.8
Initial Dry Density, pcf:	85.0	86.2	85.3
Initial Moisture Content, %:	34.6	32.3	31.7
Initial Bulk Density, pcf:	114.4	114.0	112.4
Initial Degree of Saturation:	97.7	93.9	90.1
Initial Void Ratio:	0.933	0.906	0.924
Final Dry Density, pcf:	86.3	89.2	91.3
Final Moisture Content, %:	38.0	34.1	33.6
Final Bulk Density, pcf:	119.1	119.6	121.9
Normal Stress, psi:	5.0	10.0	20.0
Maximum Shear Stress, psi	6.7	10.3	13.3
Shear Rate, in/min:	0.0006	0.0006	0.0006
t <sub>50</sub> :	---	---	1.1
Sample Type:	Tube		
Measured Specific Gravity:	2.63		
Liquid Limit:	75		
Plastic Limit:	23		
Plasticity Index:	52		
% Passing #200 sieve:	93		
Soil Classification:	Fat Clay		
Group Symbol:	CH		



Notes: Moisture content obtained before shear from sample trimmings  
 Moisture Content determined by ASTM D 2216  
 Specific Gravity determined by ASTM D 854  
 Percent passing #200 sieve determined by ASTM D 422

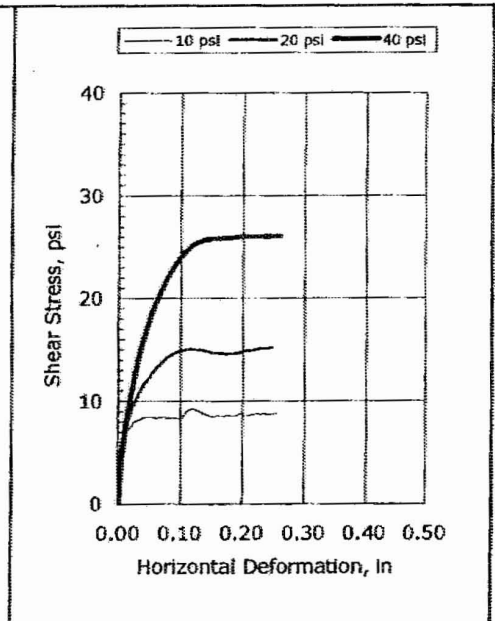
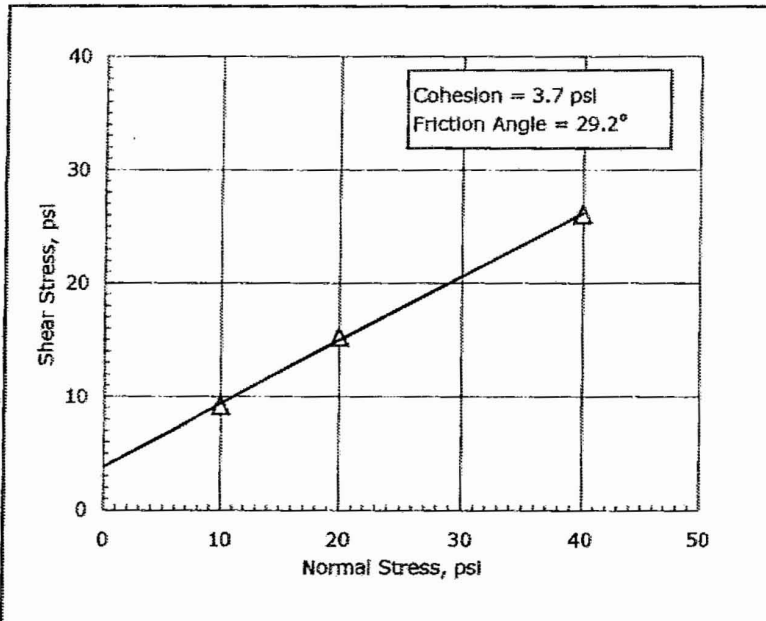


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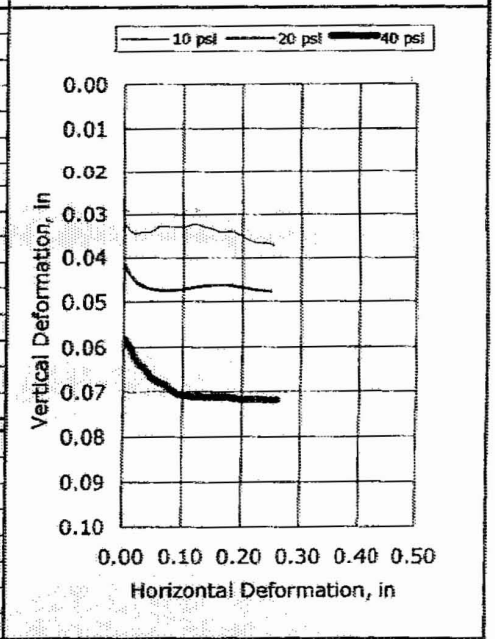
a subsidiary of Geocomp Corporation

Client:	Schnabel Engineering, Inc.
Project Name:	Subsurface Investigation Calvert Cliffs Nuclear PP
Project Location:	Calvert County, MD
GTX #:	6880
Test Date:	9/20/2006
Tested By:	md
Checked By:	jdt
Boring ID:	B-743
Sample ID:	UD-1
Depth, ft:	23.5-25.5
Visual Description:	Moist, mottled pale yellow, weak red, and brownish yellow sandy clay

## Direct Shear Test of Soils Under Consolidated Drained Conditions by ASTM D 3080-04



Test No.:	DS13	DS14	DS15
Initial Diameter, in:	2.5	2.5	2.5
Initial Height, in:	1.0	1.0	1.0
Initial Mass, grams:	158.5	156.4	152.3
Initial Dry Density, pcf:	100.6	100.2	96.6
Initial Moisture Content, %:	22.2	21.1	22.4
Initial Bulk Density, pcf:	123.0	121.4	118.2
Initial Degree of Saturation:	89.3	84.1	81.5
Initial Void Ratio:	0.669	0.676	0.739
Final Dry Density, pcf:	86.3	89.2	91.3
Final Moisture Content, %:	21.9	22.5	22.8
Final Bulk Density, pcf:	105.3	109.2	112.0
Normal Stress, psi:	10.0	20.0	40.0
Maximum Shear Stress, psi	9.2	15.2	26.1
Shear Rate, in/min:	0.0003	0.0003	0.0003
t <sub>50</sub> :	---	---	3.7
Sample Type:	Tube		
Measured Specific Gravity:	2.69		
Liquid Limit:	38		
Plastic Limit:	13		
Plasticity Index:	25		
% Passing #200 sieve:	57		
Soil Classification:	Sandy Lean Clay		
Group Symbol:	CL		



Notes: Moisture content obtained before shear from sample trimmings  
 Moisture Content determined by ASTM D 2216  
 Specific Gravity determined by ASTM D 854  
 Percent passing #200 sieve determined by ASTM D 422

# write a story

100 words

10 minutes

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**CHEMICAL TEST RESULTS – SOIL**



1997-1998  
1998-1999

1999-2000

# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 24-Jan-07

LAB#- ECL013289-012      SAMPLE ID- C-1b  
LOCATION-      B-301 43.5-45.2  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

Page 12 of 20

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 13:28	CHK	26.3	meq/100g 0.3
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	5.9	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	6.0	S.U. 0.10



# MINI-CATALOG

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# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 24-Jan-07

LAB#- ECL013289-007      SAMPLE ID- C-2b  
LOCATION- B-303 73.5-75; 78.5-80  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

Page 7 of 20

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 11:48	CHK	7.8	meq/100g 0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.6	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.6	S.U. 0.10

100-100000

MEMORANDUM  
FOR THE RECORD

DATE: 10/10/54

TO: SAC, NEW YORK

FROM: SAC, NEW YORK

RE: [Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 24-Jan-07

LAB#- ECL013289-020      SAMPLE ID- C-3b  
LOCATION-      B-318 43.5-45; 48.5-50  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

Page 20 of 20

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 13:32	CHK	27.9	meq/100g 0.5
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	2.5	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	2.6	S.U. 0.10

  
LABORATORY DIRECTOR



LABORATORY REPORT

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# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 24-Jan-07

LAB#- ECL013289-008      SAMPLE ID- C-4b  
LOCATION-      B-323 33.5-35; B-324 32.5-34  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

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ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:05	CHK	1.6	meq/100g 0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	4.6	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	5.9	S.U. 0.10



# LABORATORY REPORT

1. Objective: To determine the effect of temperature on the rate of reaction between hydrogen peroxide and potassium iodide.

2. Theory: The reaction between hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) and potassium iodide (KI) in the presence of a catalyst is exothermic. The rate of reaction is affected by temperature, with higher temperatures generally leading to a faster rate.

3. Procedure: A series of test tubes were prepared containing different volumes of hydrogen peroxide and potassium iodide solutions. The temperature of each mixture was recorded, and the time taken for a color change to occur was measured.

4. Results: The following table shows the recorded data for the reaction at different temperatures. The rate of reaction is inversely proportional to the time taken for the color change to occur.

Temperature (°C)	Time taken (s)
10	120
20	60
30	30
40	15

5. Discussion: The results show a clear trend where the rate of reaction increases as the temperature increases. This is consistent with the Arrhenius equation, which states that the rate constant of a reaction increases exponentially with temperature.

6. Conclusion: The rate of reaction between hydrogen peroxide and potassium iodide is significantly affected by temperature, with higher temperatures resulting in a faster rate of reaction.

7. References: No references were used for this report.

# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 24-Jan-07

LAB#- ECL013289-017      SAMPLE ID- C-5b  
LOCATION-      B-335 63.5-65; 68.5-70  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

Page 17 of 20

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:30	CHK	10.1	meq/100g 0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.0	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.0	S.U. 0.10



# MEMORANDUM FOR THE DIRECTOR

TO: [Name] FROM: [Name]

DATE

SUBJECT

1. [Text]

2. [Text]

3. [Text]

# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 24-Jan-07

LAB#- ECL013289-018      SAMPLE ID- C-6b  
LOCATION-      B-401 63.5-65; 73.5-75  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

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ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:32	CHK	8.0	meq/100g 0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.4	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.4	S.U. 0.10



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# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 24-Jan-07

LAB#- ECL013289-019      SAMPLE ID- C-7b  
LOCATION-      B-402 23.5-25; 28.5-30  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

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ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 13:30	CHK	31.9	meq/100g 0.3
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	2.9	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	3.0	S.U. 0.10



# FINANCIAL STATEMENTS

STATE OF CALIFORNIA  
DEPARTMENT OF REVENUE

STATE OF CALIFORNIA  
DEPARTMENT OF REVENUE

STATE OF CALIFORNIA

STATE OF CALIFORNIA

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# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 24-Jan-07

LAB#- ECL013289-005      SAMPLE ID- C-8b  
LOCATION-      B-422      48.5-50.5  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

Page 5 of 20

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 13:26	CHK	22.8	meq/100g 0.3
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	4.8	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	4.9	S.U. 0.10



# THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO  
1100 SOUTH EAST ASIAN BLVD  
CHICAGO, ILLINOIS 60607

1978

THE UNIVERSITY OF CHICAGO  
1100 SOUTH EAST ASIAN BLVD  
CHICAGO, ILLINOIS 60607

THE UNIVERSITY OF CHICAGO  
1100 SOUTH EAST ASIAN BLVD  
CHICAGO, ILLINOIS 60607

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CHICAGO, ILLINOIS 60607

# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 24-Jan-07

LAB#- ECL013289-009      SAMPLE ID- C-9b  
LOCATION-      B-424 33.5-35; 38.5-40  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

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ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:09	CHK	3.1	meq/100g 0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	5.0	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	5.8	S.U. 0.10



# REPORT OF THE COMMISSIONER OF THE

STATE OF NEW YORK  
IN SENATE  
JANUARY 18, 1908

## CONTENTS

REPORT OF THE COMMISSIONER OF THE STATE OF NEW YORK  
ON THE PROGRESS OF THE STATE OF NEW YORK  
DURING THE YEAR 1907

REPORT OF THE COMMISSIONER OF THE STATE OF NEW YORK  
ON THE PROGRESS OF THE STATE OF NEW YORK  
DURING THE YEAR 1907

REPORT OF THE COMMISSIONER OF THE STATE OF NEW YORK  
ON THE PROGRESS OF THE STATE OF NEW YORK  
DURING THE YEAR 1907

REPORT OF THE COMMISSIONER OF THE STATE OF NEW YORK  
ON THE PROGRESS OF THE STATE OF NEW YORK  
DURING THE YEAR 1907

# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 24-Jan-07

LAB#- ECL013289-014      SAMPLE ID- C-10b  
LOCATION-      B-428 38.5-40; B-429 38.5-40  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

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ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:25	CHK	2.0	meq/100g 0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.1	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.8	S.U. 0.10





AMERICAN  
OVERSEAS INVESTMENT CORP.



1954

AMERICAN OVERSEAS INVESTMENT CORP.  
100 WALL STREET, NEW YORK 5, N.Y.

1954

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100 WALL STREET, NEW YORK 5, N.Y.



# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 30-Jan-07

LAB#- ECL013289-004      SAMPLE ID- C-11b  
LOCATION- B-428 63-65  
DATE SAMPLED-                      TIME SAMPLED-                      SAMPLER-  
DATE RECEIVED- 1/8/2007              TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb              RECEIVED BY- VPS

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ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 13:24	CHK	24.9	meq/100g 0.3
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	3.8	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	3.9	S.U. 0.10

INTERNATIONAL  
FINANCIAL CORPORATION

1970-1971

1970-1971

1970-1971

1970-1971

1970-1971

1970-1971

# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 24-Jan-07

LAB#- ECL013289-011      SAMPLE ID- C-12b  
LOCATION-      B-705 43.5-45; 48.5-50  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

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ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:13	CHK	7.0	meq/100g 0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.3	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.3	S.U. 0.10



# THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO  
DIVISION OF THE PHYSICAL SCIENCES  
DEPARTMENT OF CHEMISTRY

MEMORANDUM

TO : [Name]

FROM : [Name]

1. [Text]

2. [Text]

3. [Text]

4. [Text]

# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 24-Jan-07

LAB#- ECL013289-015      SAMPLE ID- C-13b  
LOCATION- B-708      23.5-25; 28.5-30  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

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ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:27	CHK	7.2	meq/100g 0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.3	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.4	S.U. 0.10



# BARBERS COLLEGE

THE BARBERS COLLEGE OF THE CITY OF BARBERS COLLEGE, ILLINOIS

OFFICE OF THE CHANCELLOR

CHANCELLOR

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# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 24-Jan-07

LAB#- ECL013289-013      SAMPLE ID- C-14b  
LOCATION-      B-711 28.5-30; 33.5-35  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

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ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:19	CHK	6.6	meq/100g 0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.7	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.8	S.U. 0.10





# Environ & Eng Laboratory Report

Environ & Eng  
Laboratory Report

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Laboratory Report

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Laboratory Report

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Laboratory Report

Environ & Eng  
Laboratory Report

# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 30-Jan-07

LAB#- ECL013289-002      SAMPLE ID- C-15b  
LOCATION- B-725      48.5-50; 53.5-55  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

Page 2 of 20

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 11:39	CHK	8.5	meq/100g 0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.7	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.8	S.U. 0.10



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# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 24-Jan-07

LAB#- ECL013289-001      SAMPLE ID- C-16b  
LOCATION-      B-735      63.5-65;      68.5-70  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

Page 1 of 20

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 11:35	CHK	6.6	meq/100g 0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.7	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.7	S.U. 0.10

LABORATORY REPORT

10/10/20

1. Name of the student: [Name]

2. Title of the experiment: [Title]

3. Objective of the experiment: [Objective]

4. Theory: [Theory]

5. Procedure: [Procedure]

6. Results: [Results]

7. Conclusion: [Conclusion]

# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 30-Jan-07

LAB#- ECL013289-003      SAMPLE ID- C-17b  
LOCATION-      B-744 48.5-50; 53.5-55  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

Page 3 of 20

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 11:41	CHK	16.8	meq/100g 0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	3.0	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	3.4	S.U. 0.10



# INVESTMENT

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# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 24-Jan-07

LAB#- ECL013289-016      SAMPLE ID- C-18b  
LOCATION- B-756 33.5-35; 38.5-40  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

Page 16 of 20

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:28	CHK	9.6	meq/100g 0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	5.8	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	6.4	S.U. 0.10



# INTERNATIONAL CONFERENCE

ON THE  
TEACHING OF  
ENGLISH AS A  
SECOND LANGUAGE

1967  
UNIVERSITY OF  
TORONTO

PROCEEDINGS  
OF THE  
CONFERENCE  
ON THE  
TEACHING OF  
ENGLISH AS A  
SECOND LANGUAGE

VOLUME 1

EDITED BY  
J. R. HOLLAND



# ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

## FINAL REPORT OF ANALYSES

Schnabel Engineering  
656 Quince Orchard Road  
Suite 700  
Gaithersburg, MD 20878

PROJECT NAME:  
REPORT DATE: 24-Jan-07

LAB#- ECL013289-006      SAMPLE ID- C-19b  
LOCATION-      B-768      43.5-45  
DATE SAMPLED-      TIME SAMPLED-      SAMPLER-  
DATE RECEIVED- 1/8/2007      TIME RECEIVED- 16:15  
DELIVERED BY- M. Dunscomb      RECEIVED BY- VPS

Page 6 of 20

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 11:46	CHK	6.8	meq/100g 0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.1	S.U. 0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.2	S.U. 0.10