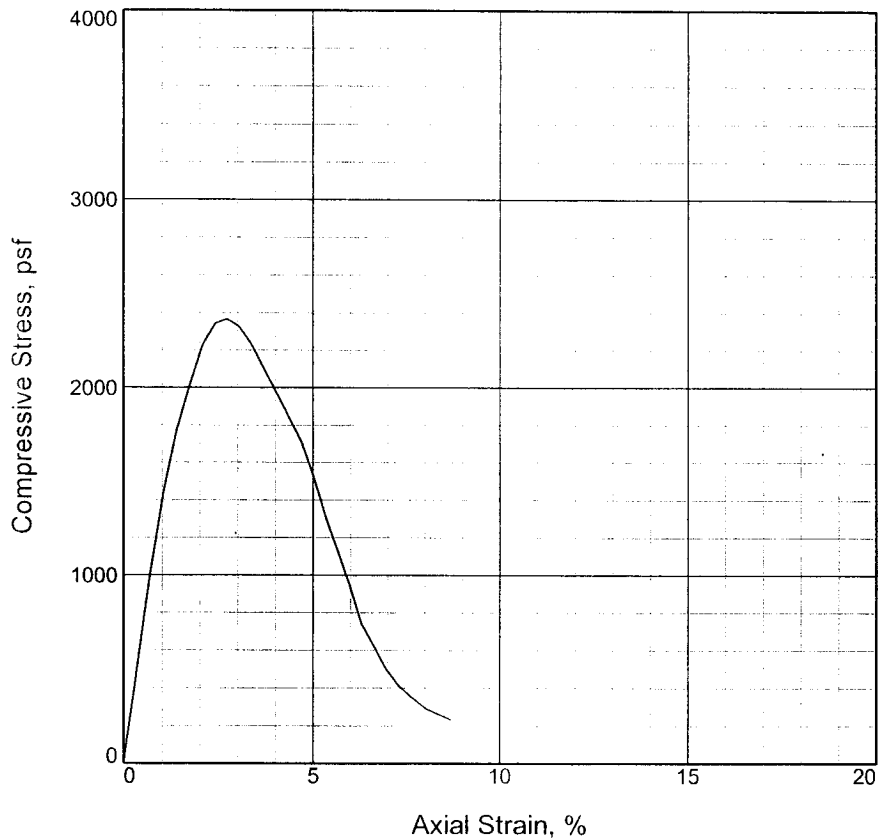


# UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	2365.2			
Undrained shear strength, psf	1182.6			
Failure strain, %	2.7			
Strain rate, in./min.	0.059			
Water content, %	44.3			
Wet density, pcf	104.8			
Dry density, pcf	72.6			
Saturation, %	90.0			
Void ratio	1.3384			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

**Description:** ST GR & T CH4 W/ ARS SM, TR-RT, SL

LL =      PL =      PI =      Assumed GS= 2.72      Type: UNDISTURBED

**Project No.:** 19082

**Date:** 11/29/05

**Remarks:**

TORVANE = 0.700 TSF

**Client:** URS Corporation

**Project:** U.S. Army Corps of Engineers  
Inner Harbor Navigational Canal

**Source of Sample:** B-8WG      **Depth:** 5.0

**Sample Number:** 3

UNCONFINED COMPRESSION TEST

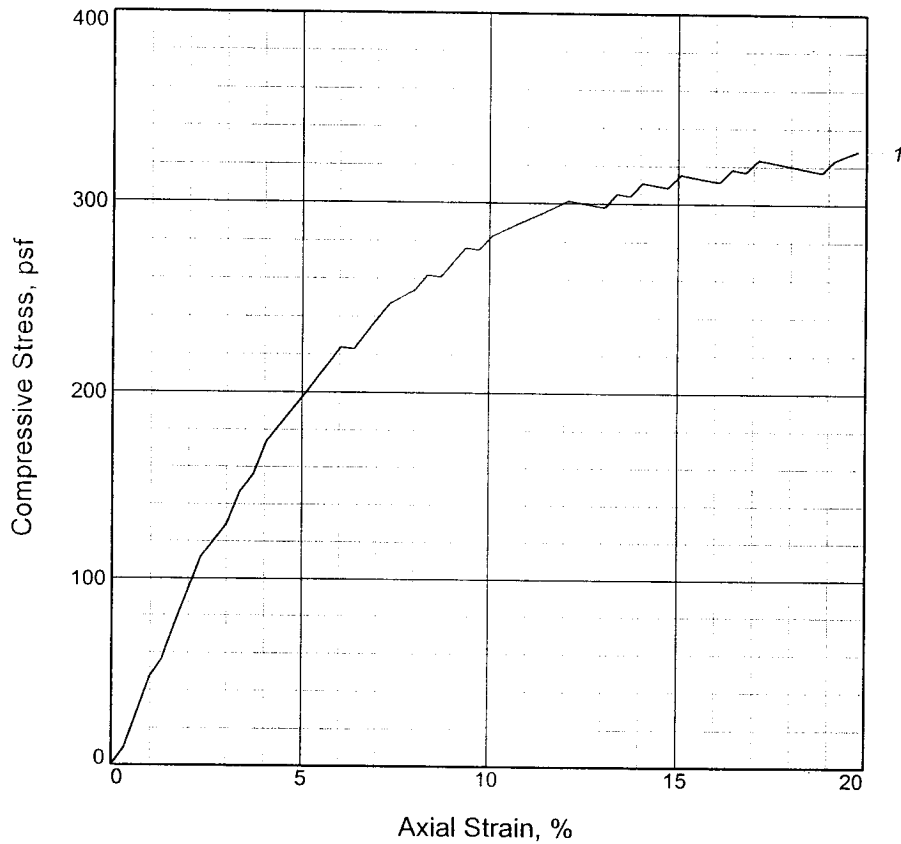
**EUSTIS ENGINEERING COMPANY, INC.**

Figure 1

Tested By: ZH

Checked By: DP

# UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	223.6			
Undrained shear strength, psf	111.8			
Failure strain, %	6.0			
Strain rate, in./min.	0.040			
Water content, %	40.9			
Wet density, pcf	112.4			
Dry density, pcf	79.8			
Saturation, %	98.0			
Void ratio	1.1440			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

**Description:** VSO GR CH4 W/ ARS SP

LL =	PL =	PI =	Assumed GS= 2.74	Type: UNDISTURBED
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**Project No.:** 19082

**Date:** 12-8-05

**Remarks:**

TORVANE = 0.060 TSF

**Client:** URS Corporation

**Project:** U.S. Army Corps of Engineers  
Inner Harbor Navigational Canal

**Source of Sample:** B-8WG      **Depth:** 30.0

**Sample Number:** 13

UNCONFINED COMPRESSION TEST

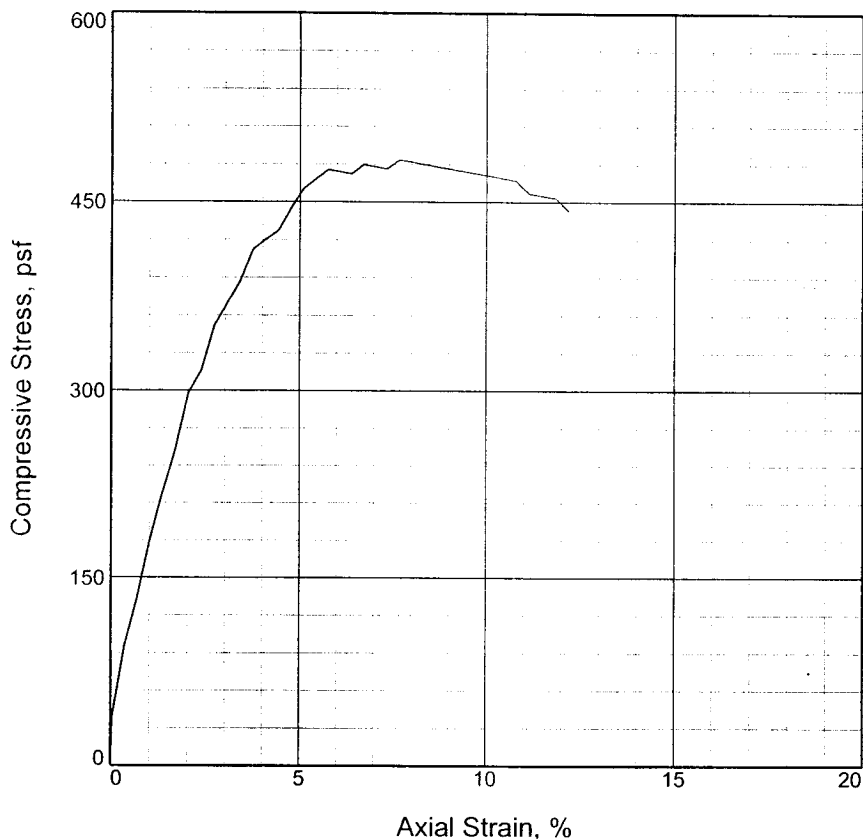
**EUSTIS ENGINEERING COMPANY, INC.**

Figure 1

Tested By: RR

Checked By: JS

# UNCONFINED COMPRESSION TEST



1

Specimen No.	1			
Unconfined strength, psf	475.4			
Undrained shear strength, psf	237.7			
Failure strain, %	5.8			
Strain rate, in./min.	0.058			
Water content, %	68.2			
Wet density, pcf	101.5			
Dry density, pcf	60.4			
Saturation, %	102.0			
Void ratio	1.8342			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

**Description:** VSO GR CH4

**LL =**      **PL =**      **PI =**      **Assumed GS= 2.74**      **Type: UNDISTURBED**

**Project No.:** 19082

**Date:** 11/27/05

**Remarks:**

TORVANE = 0.200 TSF

**Client:** URS Corporation

**Project:** U.S. Army Corps of Engineers  
Inner Harbor Navigational Canal

**Source of Sample:** B-8WG      **Depth:** 35.0

**Sample Number:** 15

UNCONFINED COMPRESSION TEST

**EUSTIS ENGINEERING COMPANY, INC.**

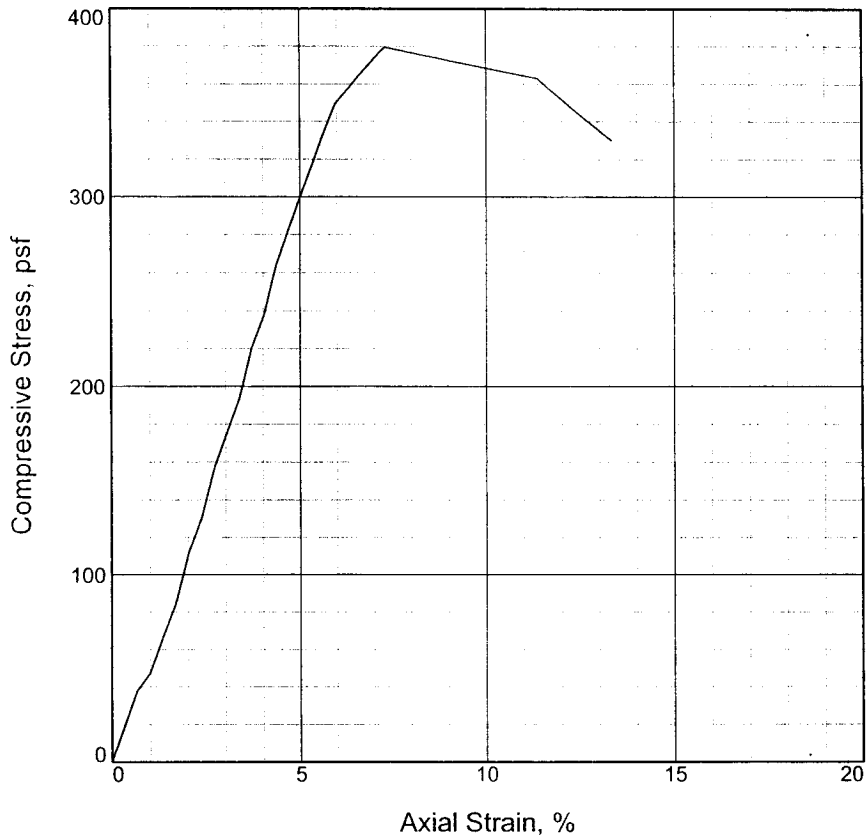
Figure 1

Tested By: ZH

Checked By: DP



# UNCONFINED COMPRESSION TEST



1

Specimen No.	1		
Unconfined strength, psf	379.3		
Undrained shear strength, psf	189.7		
Failure strain, %	7.3		
Strain rate, in./min.	0.058		
Water content, %	26.3		
Wet density, pcf	122.7		
Dry density, pcf	97.2		
Saturation, %	96.7		
Void ratio	0.7344		
Specimen diameter, in.	1.388		
Specimen height, in.	2.930		
Height/diameter ratio	2.11		

**Description:** VSO GR CL5 W/ SIF  
**LL =**      **PL =**      **PI =**      **Assumed GS= 2.7**      **Type: UNDISTURBED**

**Project No.:** 19082  
**Date:** 11/27/05  
**Remarks:**  
 TORVANE = 0.100 TSF

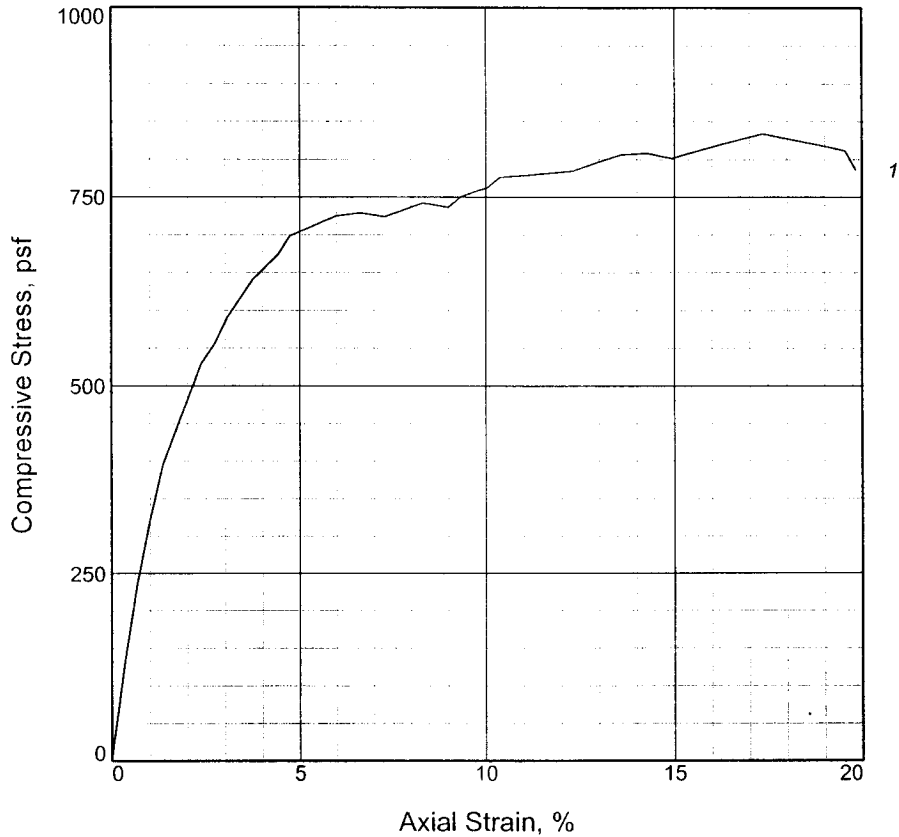
**Figure 1**

**Client:** URS Corporation  
**Project:** U.S. Army Corps of Engineers  
 Inner Harbor Navigational Canal  
**Source of Sample:** B-8WG      **Depth:** 45.0  
**Sample Number:** 19

UNCONFINED COMPRESSION TEST  
**EUSTIS ENGINEERING COMPANY, INC.**

**Tested By:** ZJ      **Checked By:** DP

# UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	728.7			
Undrained shear strength, psf	364.3			
Failure strain, %	6.6			
Strain rate, in./min.	0.057			
Water content, %	50.7			
Wet density, pcf	105.3			
Dry density, pcf	69.9			
Saturation, %	96.5			
Void ratio	1.4286			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

**Description:** SO GR CH4 W/ ARS SP

LL =      PL =      PI =      Assumed GS= 2.72      Type: UNDISTURBED

**Project No.:** 19082

**Date:** 11/27/05

**Remarks:**

TORVANE = 0.260 TSF

**Client:** URS Corporation

**Project:** U.S. Army Corps of Engineers  
Inner Harbor Navigational Canal

**Source of Sample:** B-8WG      **Depth:** 50.0

**Sample Number:** 21

UNCONFINED COMPRESSION TEST

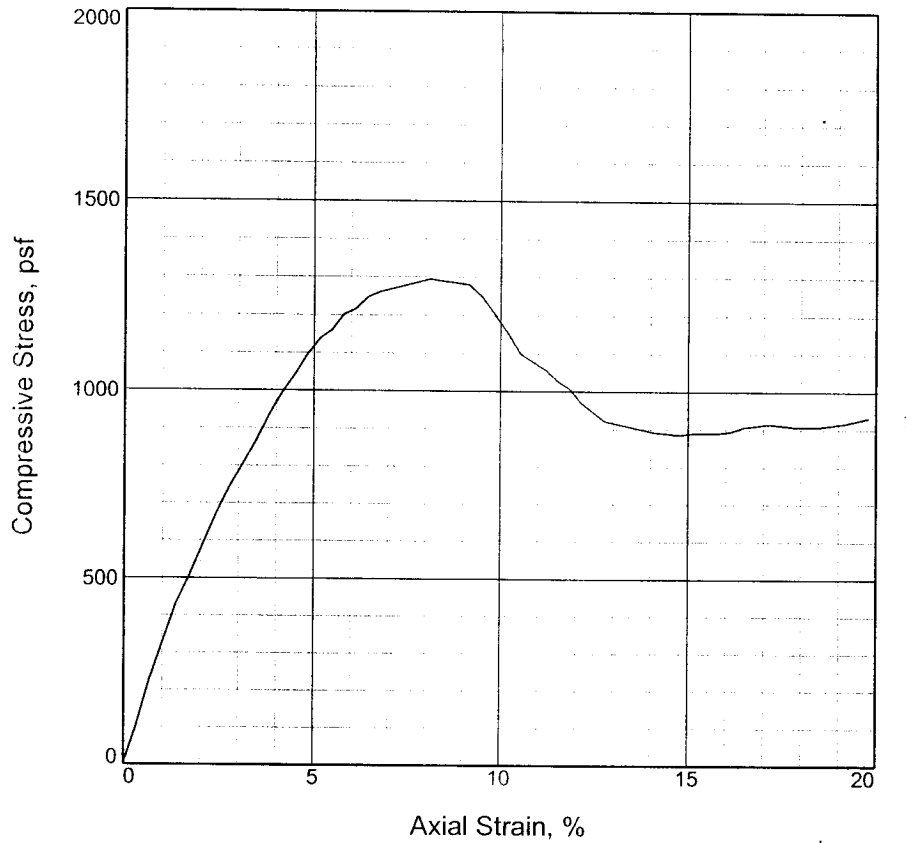
**EUSTIS ENGINEERING COMPANY, INC.**

Figure 1

Tested By: ZH

Checked By: DP

# UNCONFINED COMPRESSION TEST



Specimen No.	1			
Unconfined strength, psf	1294.1			
Undrained shear strength, psf	647.1			
Failure strain, %	8.1			
Strain rate, in./min.	0.059			
Water content, %	38.2			
Wet density, pcf	113.3			
Dry density, pcf	81.9			
Saturation, %	97.0			
Void ratio	1.0724			
Specimen diameter, in.	1.388			
Specimen height, in.	2.930			
Height/diameter ratio	2.11			

**Description:** M GR CH3 W/ ARS & LNS SM, TR-WD

LL =      PL =      PI =      Assumed GS= 2.72      Type: UNDISTURBED

**Project No.:** 19082

**Date:** 11/27/05

**Remarks:**

TORVANE = 0.320 TSF

**Client:** URS Corporation

**Project:** U.S. Army Corps of Engineers  
Inner Harbor Navigational Canal

**Source of Sample:** B-8WG      **Depth:** 55.0

**Sample Number:** 23

UNCONFINED COMPRESSION TEST

**EUSTIS ENGINEERING COMPANY, INC.**

Figure 1

Tested By: ZH \_\_\_\_\_

Checked By: DP \_\_\_\_\_

