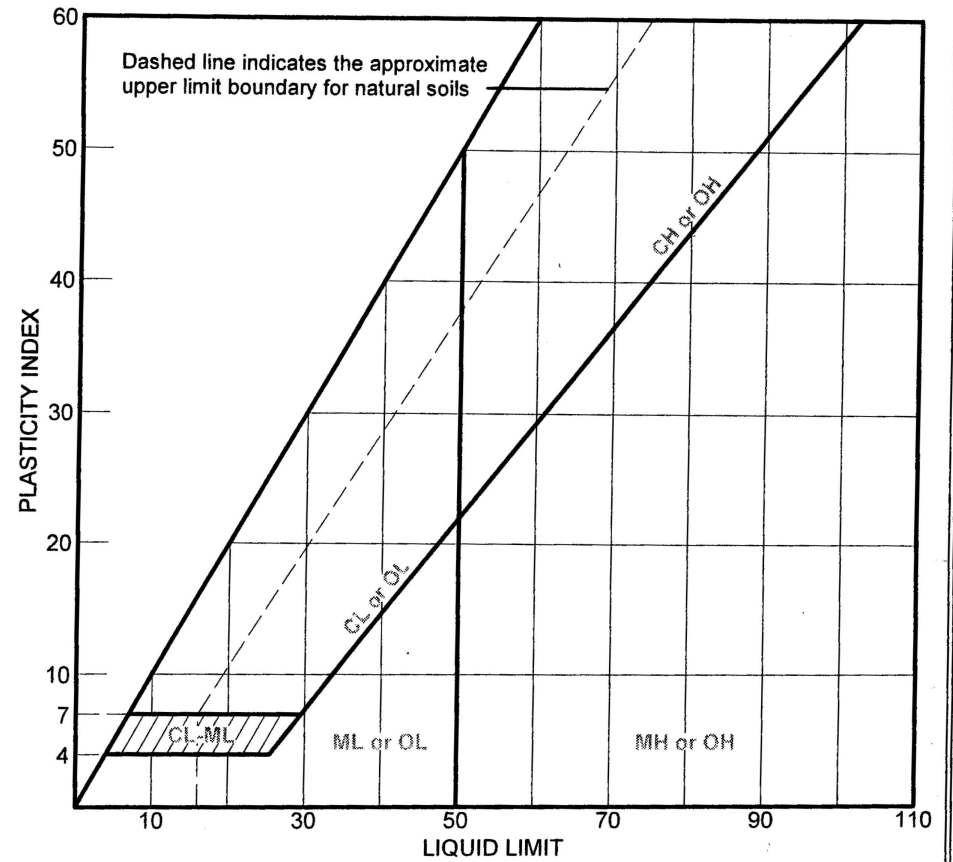


# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-201	2	1.5'	8/4/06	SM	SAND Silty (SM); Red, Micaceous	19.3	NV	NP

Client Bechtel Power Corporation  
 Project SCE&G COL  
 Project No. 6234-06-3534

**MACTEC, INC.**  
 Charlotte, North Carolina

• Tested by: FHM    Reviewed by: JRS  
 ASTM D4318-05  
*JRS*  
 11-17-06

Figure

---

**LIQUID AND PLASTIC LIMIT TEST DATA**

---

**Client:** Bechtel Power Corporation

**Project:** SCE&G COL

**Project Number:** 6234-06-3534

---

**Sample Data**

---

**Source:** B-201

**Sample No.:** 2

**Elev. or Depth:** 1.5'

**Sample Length(in./cm.):**

**Location:**

**Description:** SAND Silty (SM); Red, Micaceous

**Date:** 8/4/06      **Natural Moisture:** 19.3

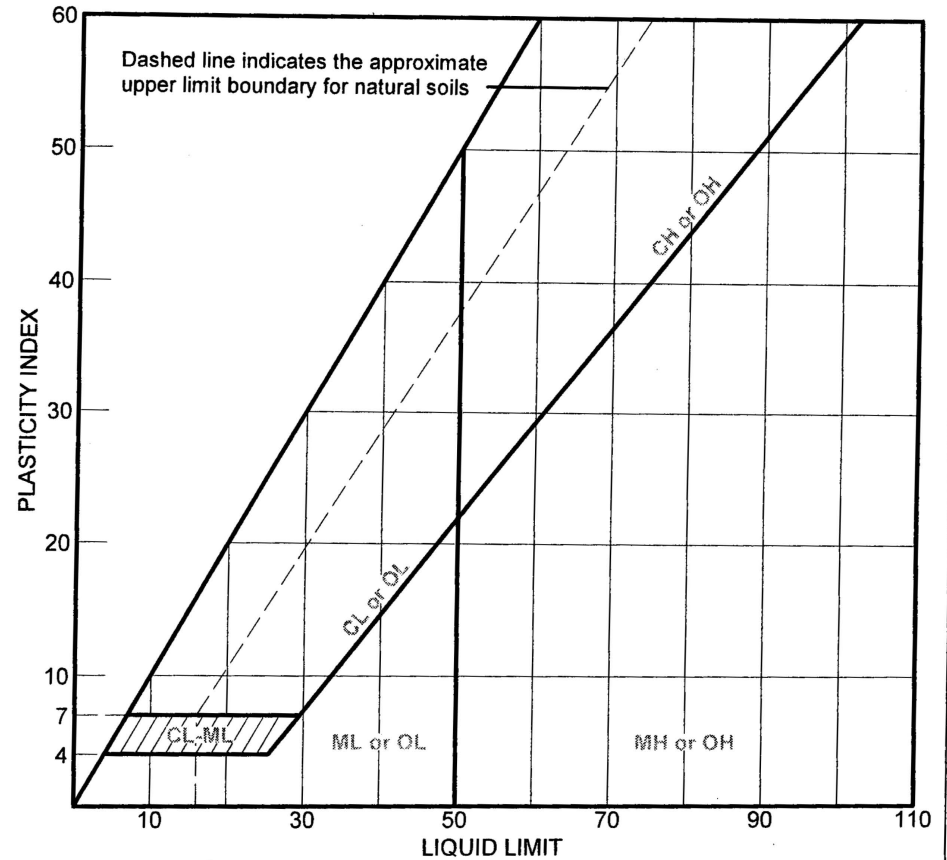
**USCS Class.:** SM

**AASHTO Class.:**

**Testing Remarks:** Tested by: FHM      Reviewed by: JRS  
ASTM D4318-05

**Liquid Limit=**     NV      
**Plastic Limit=**     NP      
**Plasticity Index=**     NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-201	4	6.0'	7/26/06	SM	SAND Silty (SM); Red, Micaceous	18.4	NV	NP

Client Bechtel Power Corporation  
 Project SCE&G COL  
 Project No. 6234-06-3534

**MACTEC, INC.**  
 Charlotte, North Carolina

Tested by: FHM    Reviewed by: JRS  
 ASTM D4318-05  
*JRS*  
 11-17-06

Figure

---

**LIQUID AND PLASTIC LIMIT TEST DATA**

---

**Client:** Bechtel Power Corporation  
**Project:** SCE&G COL  
**Project Number:** 6234-06-3534

---

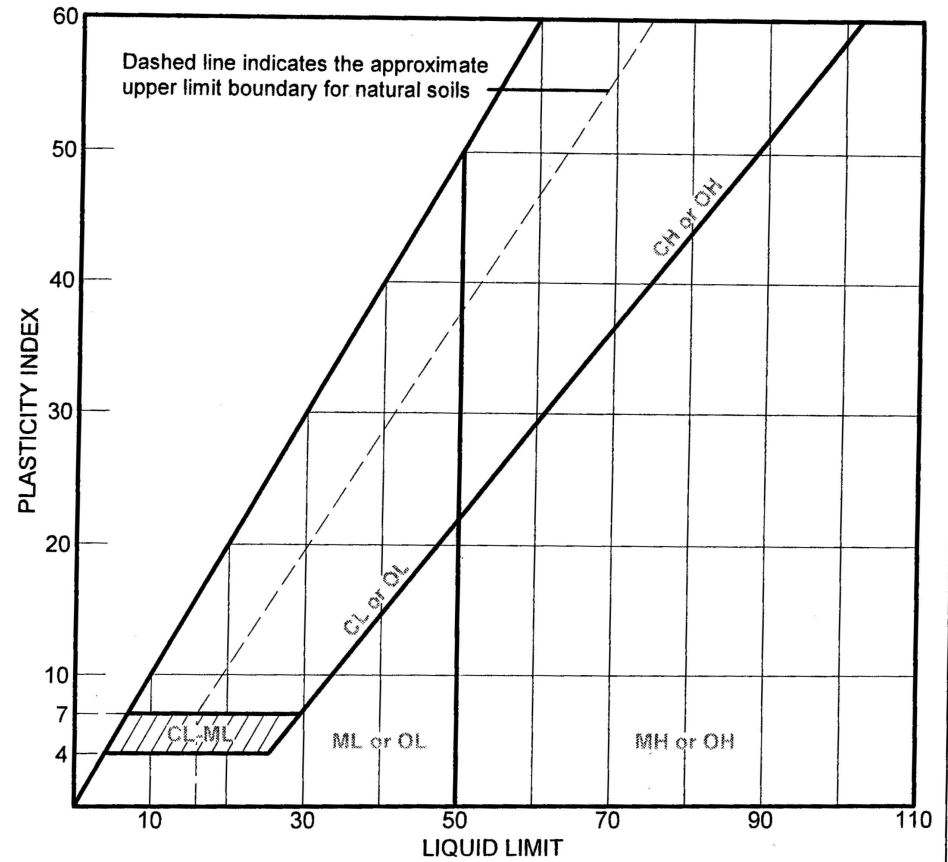
**Sample Data**

---

**Source:** B-201  
**Sample No.:** 4  
**Elev. or Depth:** 6.0' **Sample Length(in./cm.):**  
**Location:**  
**Description:** SAND Silty (SM); Red, Micaceous  
**Date:** 7/26/06 **Natural Moisture:** 18.4  
**USCS Class.:** SM **AASHTO Class.:**  
**Testing Remarks:** Tested by: FHM Reviewed by: JRS  
ASTM D4318-05

**Liquid Limit=**     NV      
**Plastic Limit=**     NP      
**Plasticity Index=**     NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-201	7	13.5'	7/26/06	SM	SAND Silty (SM); Yellowish Red, Micaceous	20.1	NV	NP

Client Bechtel Power Corporation  
 Project SCE&G COL  
 Project No. 6234-06-3534

**MACTEC, INC.**  
 Charlotte, North Carolina

• Tested by: FHM    Reviewed by: JRS  
 ASTM D4318-05  
*JRS*  
 11-17-06

Figure

---

**LIQUID AND PLASTIC LIMIT TEST DATA**

---

**Client:** Bechtel Power Corporation

**Project:** SCE&G COL

**Project Number:** 6234-06-3534

---

**Sample Data**

---

**Source:** B-201

**Sample No.:** 7

**Elev. or Depth:** 13.5'

**Sample Length(in./cm.):**

**Location:**

**Description:** SAND Silty (SM); Yellowish Red, Micaceous

**Date:** 7/26/06

**Natural Moisture:** 20.1

**USCS Class.:** SM

**AASHTO Class.:**

**Testing Remarks:** Tested by: FHM

Reviewed by: JRS

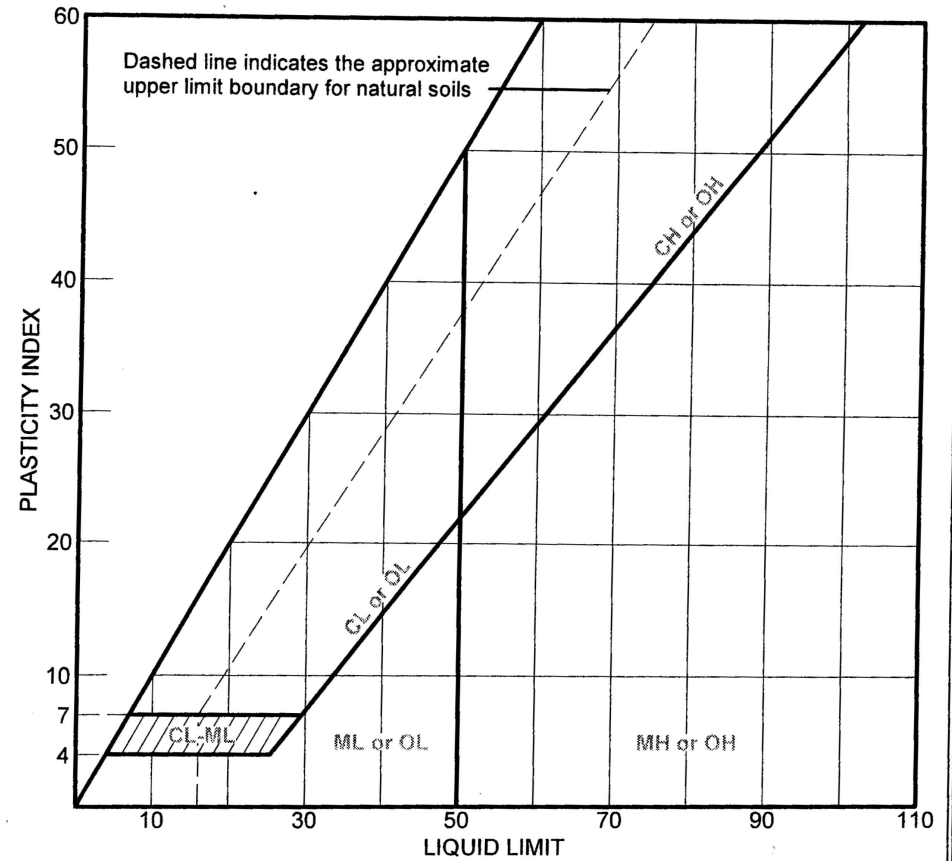
ASTM D4318-05

**Liquid Limit=**     NV    

**Plastic Limit=**     NP    

**Plasticity Index=**     NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-201	10	28.5'	8/3/06	SM	SAND Silty (SM); Strong Brown, Micaceous	28.6	NV	NP

Client Bechtel Power Corporation  
 Project SCE&G COL

---

Project No. 6234-06-3534      Figure

**MACTEC, INC.**  
 Charlotte, North Carolina

• Tested by: FHM      Reviewed by: JRS  
 ASTM D4318-05

*JRS*  
11-17-06

---

**LIQUID AND PLASTIC LIMIT TEST DATA**

---

**Client:** Bechtel Power Corporation

**Project:** SCE&G COL

**Project Number:** 6234-06-3534

---

**Sample Data**

---

**Source:** B-201

**Sample No.:** 10

**Elev. or Depth:** 28.5'

**Sample Length(in./cm.):**

**Location:**

**Description:** SAND Silty (SM); Strong Brown, Micaceous

**Date:** 8/3/06

**Natural Moisture:** 28.6

**USCS Class.:** SM

**AASHTO Class.:**

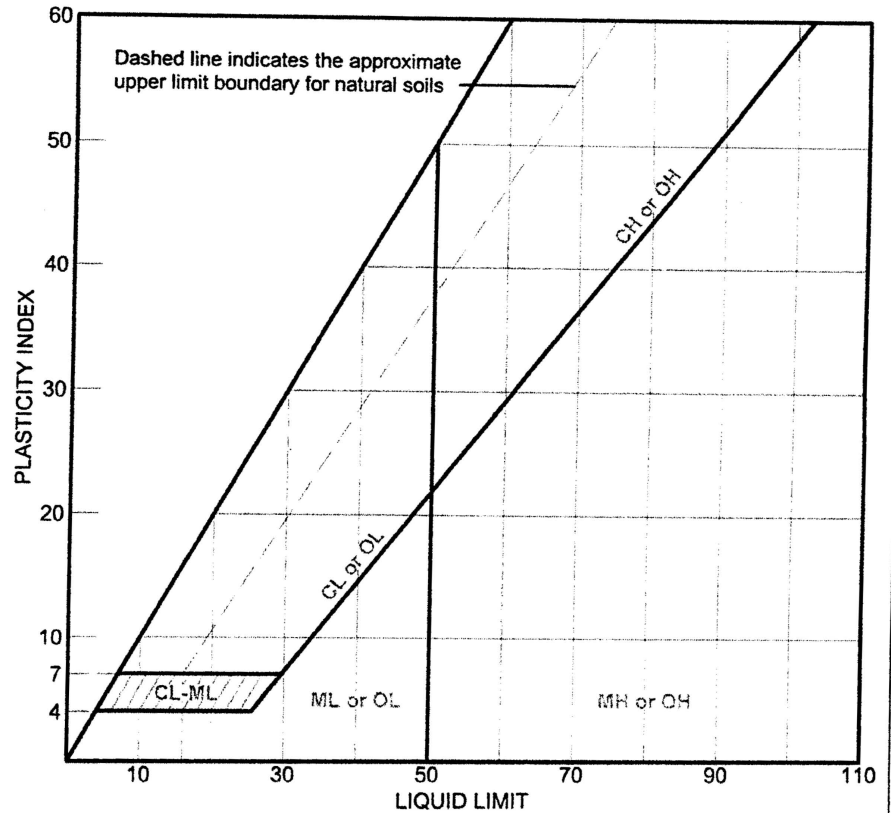
**Testing Remarks:** Tested by: FHM  
ASTM D4318-05

Reviewed by: JRS

**Liquid Limit=**     NV      
**Plastic Limit=**     NP      
**Plasticity Index=**     NP



# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-204	UD-2	18.5Ft.	10/9/06	N/A		N/A	NV	NP

Client  
 Project SCE&G COL  
 Project No. 6234-06-3534S

**MACTEC ENGINEERING  
 AND  
 CONSULTING, INC.**

• Tested by: JM    Reviewed by: HJ  
 ASTM D 4318-05

*JPL 10/24/06*

---

**LIQUID AND PLASTIC LIMIT TEST DATA**

---

**Client:**

**Project:** SCE&G COL

**Project Number:** 6234-06-3534S

---

**Sample Data**

---

**Source:** B-204

**Sample No.:** UD-2

**Elev. or Depth:** 18.5Ft.

**Sample Length(in./cm.):** 5359

**Location:** B-204

**Description:**

**Date:** 10/9/06

**Natural Moisture:** N/A

**USCS Class.:** N/A

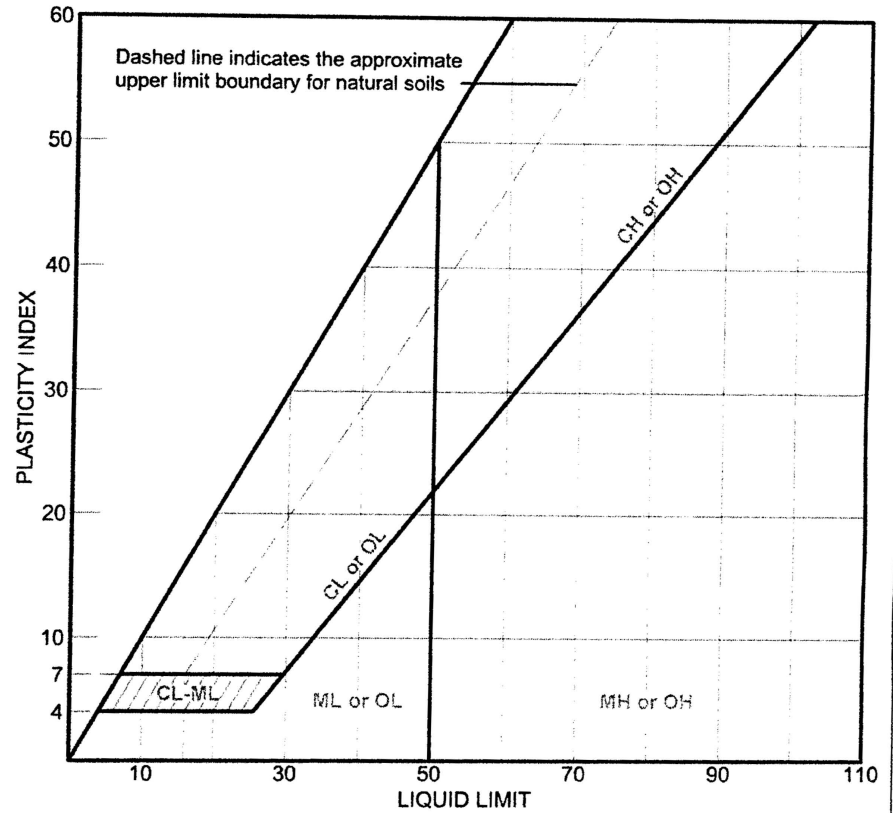
**AASHTO Class.:**

**Testing Remarks:** Tested by: JM      Reviewed by: HJ

ASTM D 4318-05

**Liquid Limit=** \_\_\_\_\_  
**Plastic Limit=**      NP  
**Plasticity Index=**    NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-204	UD-3	28.5Ft.	10/10/6	N/A		N/A	NV	NP

Client  
 Project SCE&G COL  
 Project No. 6234-06-3534S

**MACTEC ENGINEERING  
 AND  
 CONSULTING, INC.**

• Tested by: JM    Reviewed by: HJ  
 ASTM D 4318-05

*JL 11/24/06*

---

**LIQUID AND PLASTIC LIMIT TEST DATA**

---

**Client:**

**Project:** SCE&G COL

**Project Number:** 6234-06-3534S

---

**Sample Data**

---

**Source:** B-204

**Sample No.:** UD-3

**Elev. or Depth:** 28.5Ft.

**Sample Length(in./cm.):** 5360

**Location:** B-204

**Description:**

**Date:** 10/10/6

**Natural Moisture:** N/A

**USCS Class.:** N/A

**AASHTO Class.:** N/A

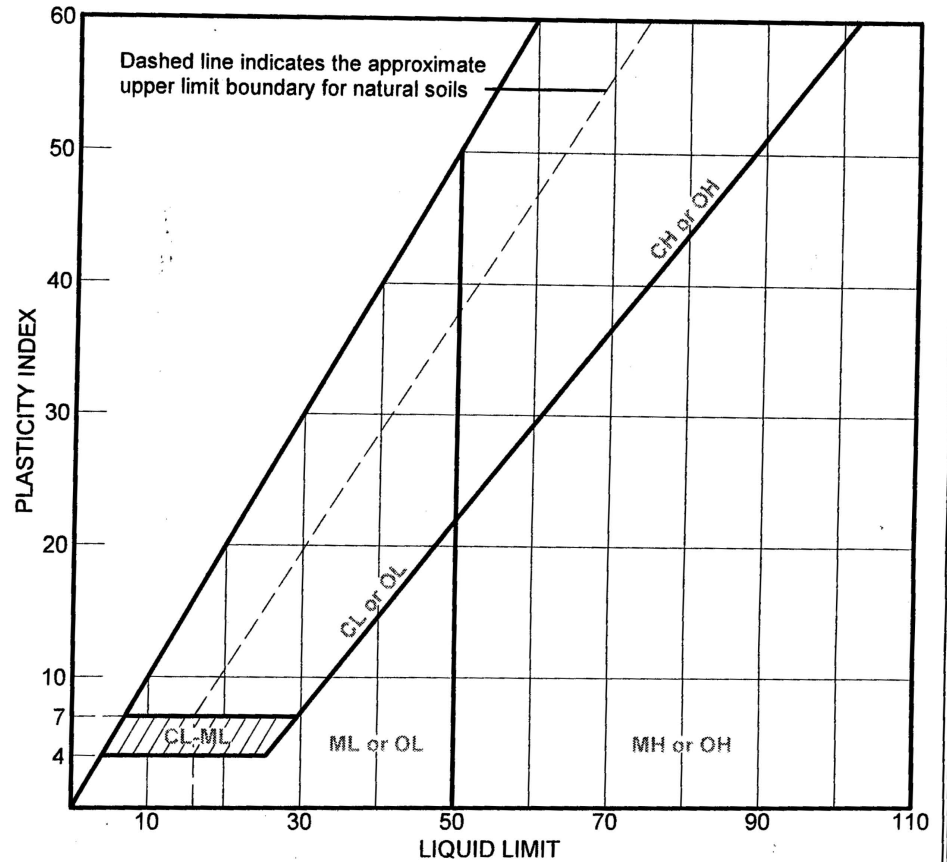
**Testing Remarks:** Tested by: JM

Reviewed by: HJ

ASTM D 4318-05

**Liquid Limit=**     NV      
**Plastic Limit=**     NP      
**Plasticity Index=**     NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-205	2	1.5'	8-8-06	ML	SILT Sandy (ML); Red	34.6	NV	NP

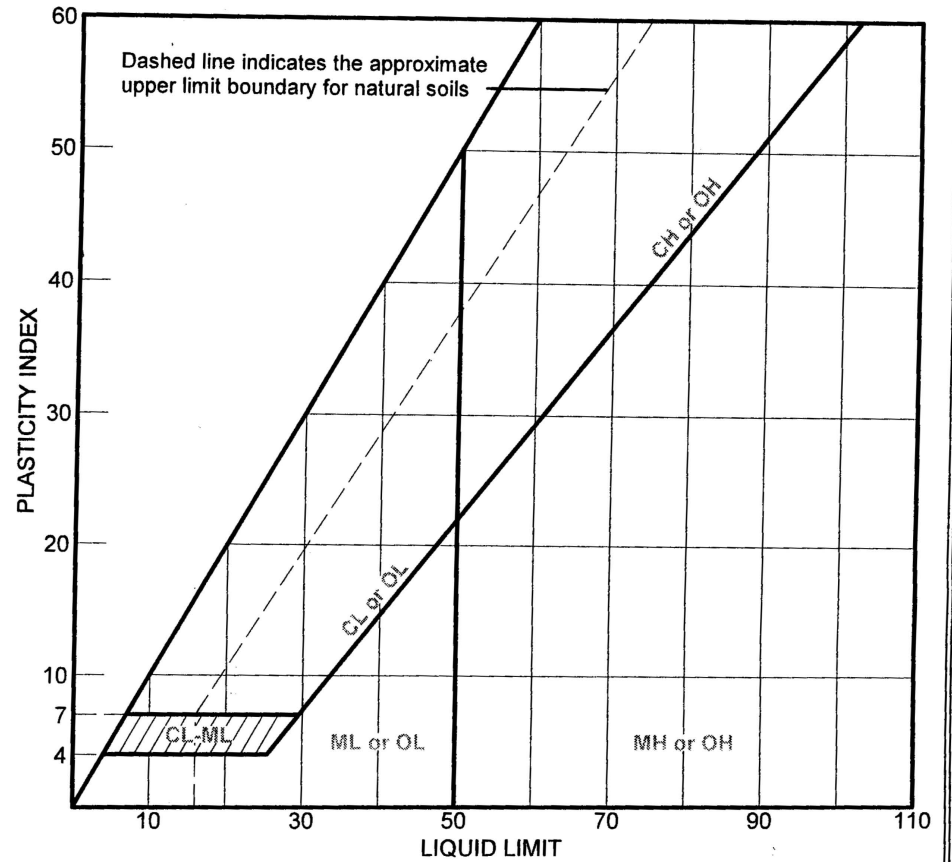
Client Bechtel Power Corporation  
 Project SCE&G COL  
 Project No. 6234-06-3534

**MACTEC, INC.**  
 Charlotte, North Carolina

• Tested by: FHM    Reviewed by: JRS  
 ASTM D4318-05  
*JRS*  
 11-14-06



# LIQUID AND PLASTIC LIMITS TEST REPORT



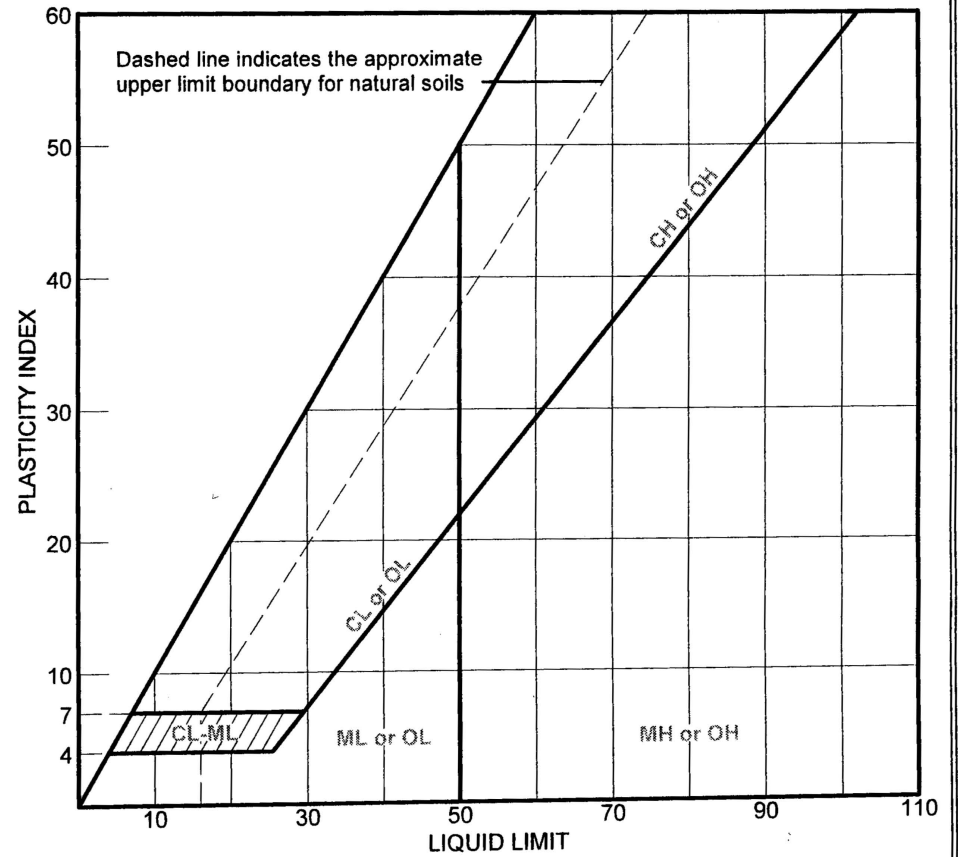
SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-205	8	18.5'	8-8-06	ML	SILT sandy (ML); Strong Brown, Micaceous	30.8	NV	NP

Client Bechtel Power Corporation	<b>MACTEC, INC.</b>	<b>Charlotte, North Carolina</b>	Tested by: FHM    Reviewed by: JRS ASTM D4318-05 <i>JRS</i> 11-14-06
Project SCE&G COL			
Project No. 6234-06-3534      Figure			





# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-205	13	43.5'	8-8-06	SM	SAND Silty (SM); Strong Brown, Micaceous	21.5	NV	NP

Client Bechtel Power Corporation

Project SCE&G COL

Project No. 6234-06-3534

Figure

**MACTEC, INC.**

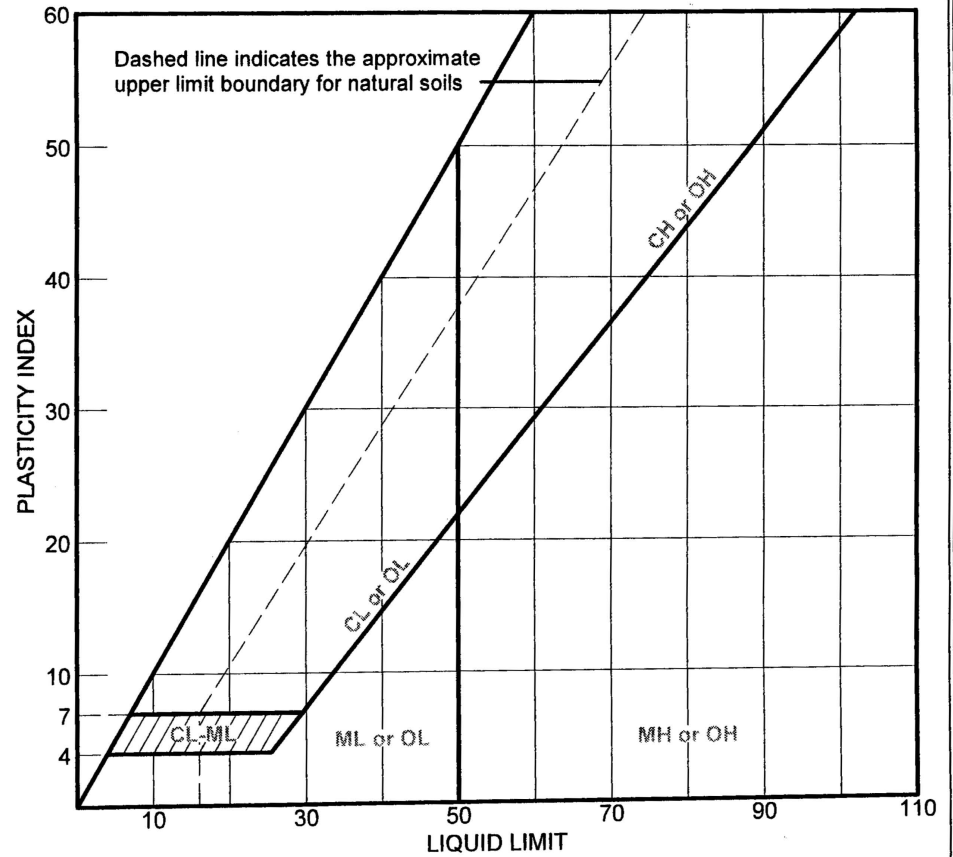
**Charlotte, North Carolina**

• Tested by: FHM    Reviewed by: JRS  
ASTM D4318-05

*JRS*  
11-14-06



# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-205	14	48.5'	8-8-06	SM	SAND Silty (SM); Strong Brown, Micaceous	7.8	NV	NP

Client Bechtel Power Corporation  
 Project SCE&G COL  
 Project No. 6234-06-3534

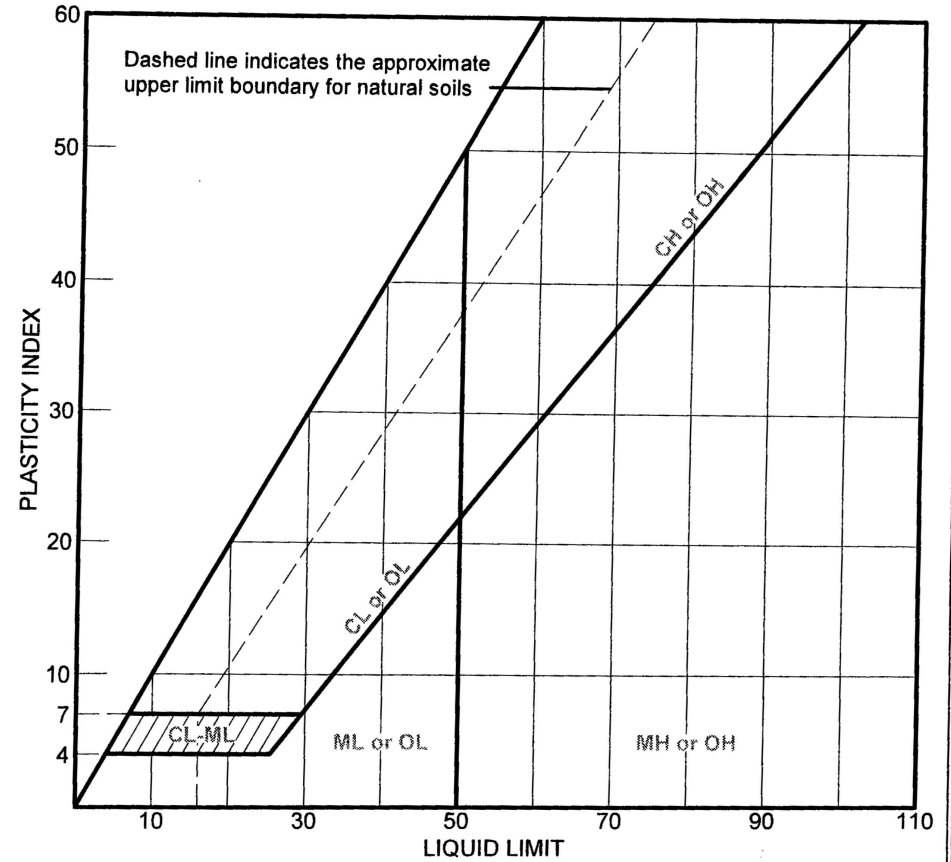
**MACTEC, INC.**  
 Charlotte, North Carolina

• Tested by: FHM    Reviewed by: JRS  
 ASTM D4318-05  
*JRS.*  
 11-14-06

Figure



# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-206	12	38.5'	8/4/06	SM	SAND Silty (SM); Light Olive Brown, Micaceous	27.9	NV	NP

Client Bechtel Power Corporation  
 Project SCE&G COL  
 Project No. 6234-06-3534      Figure

**MACTEC, INC.**  
 Charlotte, North Carolina

• Tested by: FHM      Reviewed by: JRS  
 ASTM D4318-05

*JRS*  
 11-16-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-206

Sample No.: 12

Elev. or Depth: 38.5'

Sample Length(in./cm.):

Location:

Description: SAND Silty (SM); Light Olive Brown, Micaceous

Date: 8/4/06

Natural Moisture: 27.9

USCS Class.: SM

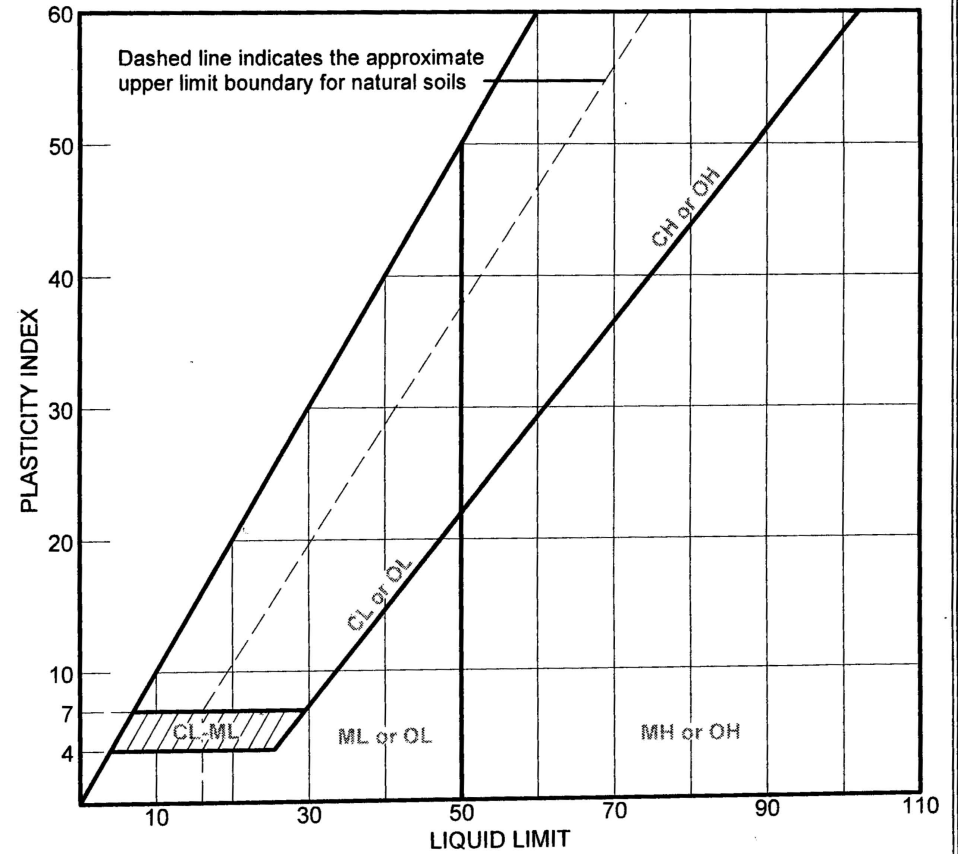
AASHTO Class.:

Testing Remarks: Tested by: FHM  
ASTM D4318-05

Reviewed by: JRS

Liquid Limit= NV  
Plastic Limit= NP  
Plasticity Index= NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-207	1	0.0'	8/4/06	SM	SAND Silty (SM); Red and Brown	9.4	NV	NP

Client Bechtel Power Corporation

Project SCE&G COL

Project No. 6234-06-3534

Figure

**MACTEC, INC.**  
Charlotte, North Carolina

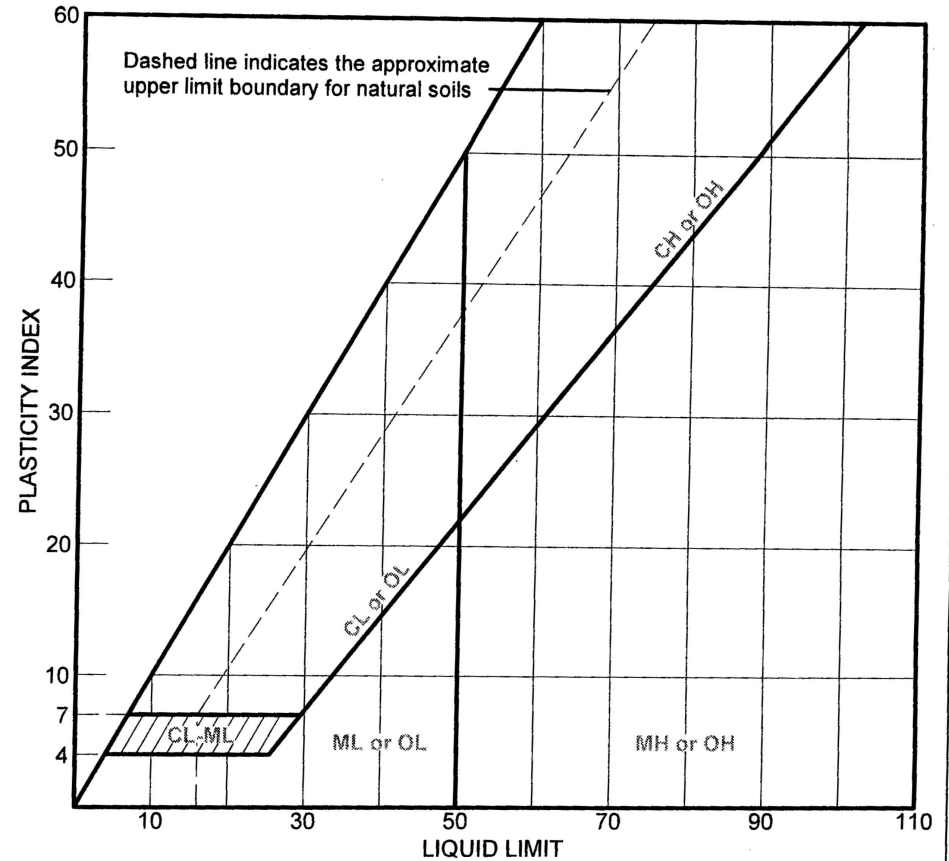
• Tested by: FHM    Reviewed by: JRS  
ASTM D4318-05

*JRS*  
11-16-06





# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-207	6	11.0'	8/4/06	SM	SAND Silty (SM); Brown, Micaceous	19.2	NV	NP

Client Bechtel Power Corporation Project SCE&G COL Project No. 6234-06-3534	<b>MACTEC, INC.</b>  <b>Charlotte, North Carolina</b>	• Tested by: FHM    Reviewed by: JRS ASTM D4318-05 <div style="text-align: right; font-family: cursive;"> <i>JRS</i>            11-16-06         </div>
Figure		

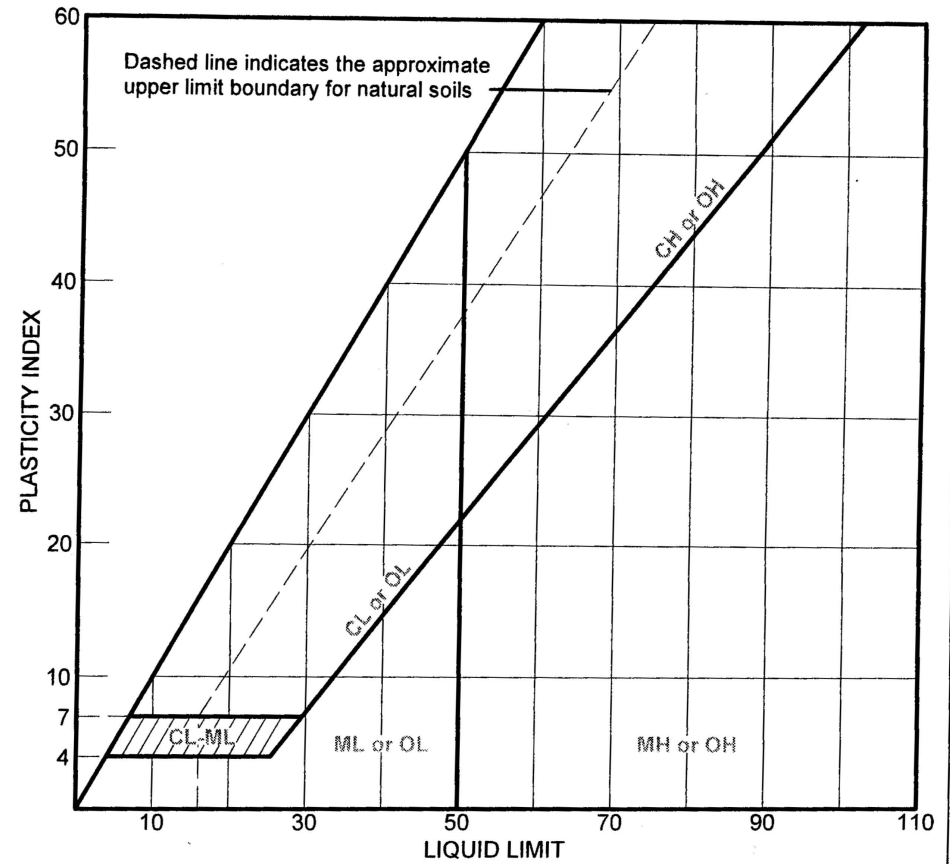
**Client:** Bechtel Power Corporation  
**Project:** SCE&G COL  
**Project Number:** 6234-06-3534

**Sample Data**

**Source:** B-207  
**Sample No.:** 6  
**Elev. or Depth:** 11.0' **Sample Length(in./cm.):**  
**Location:**  
**Description:** SAND Silty (SM); Brown, Micaceous  
**Date:** 8/4/06 **Natural Moisture:** 19.2  
**USCS Class.:** SM **AASHTO Class.:**  
**Testing Remarks:** Tested by: FHM Reviewed by: JRS  
ASTM D4318-05

**Liquid Limit=** NV  
**Plastic Limit=** NP  
**Plasticity Index=** NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-207	11	33.5'	8/3/06	SM	SAND Silty (SM); Yellowish Red, Micaceous	23.1	NV	NP

Client Bechtel Power Corporation  
 Project SCE&G COL  
 Project No. 6234-06-3534

**MACTEC, INC.**  
 Charlotte, North Carolina

• Tested by: FHM    Reviewed by: JRS  
 ASTM D4318-05  
  
 11-16-06

**Client:** Bechtel Power Corporation  
**Project:** SCE&G COL  
**Project Number:** 6234-06-3534

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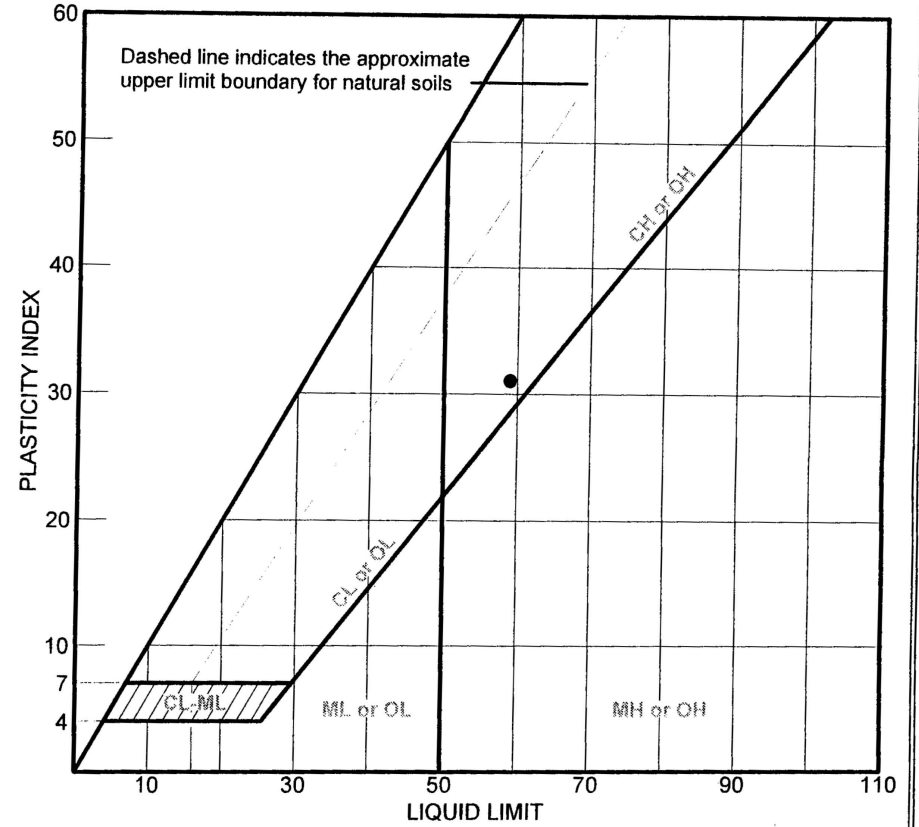
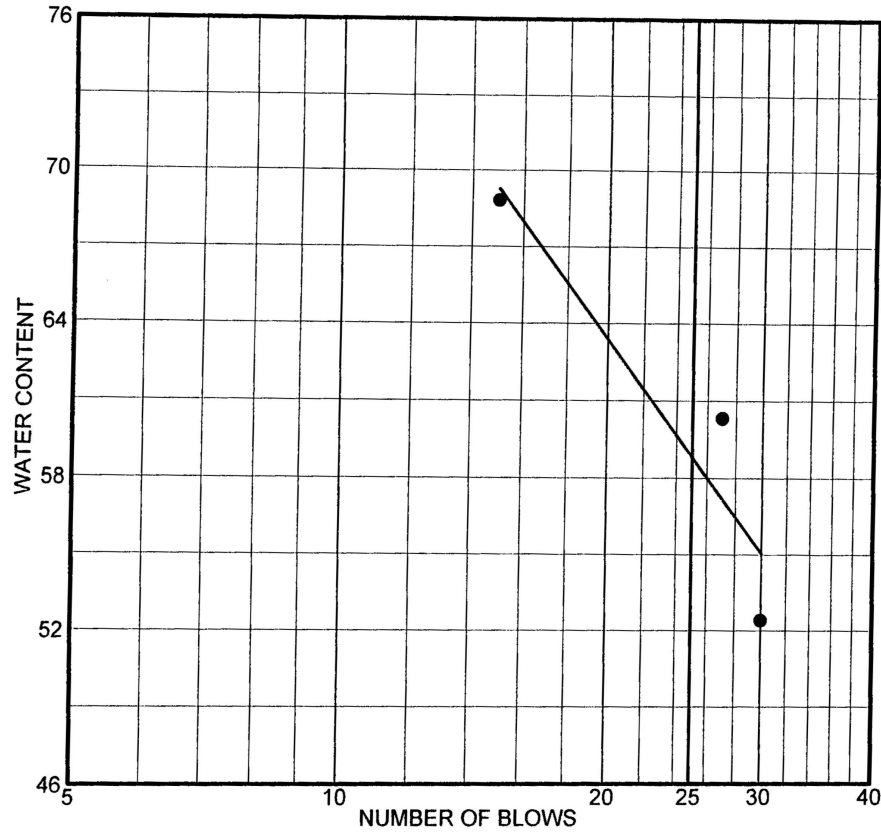
**Sample Data**

---

**Source:** B-207  
**Sample No.:** 11  
**Elev. or Depth:** 33.5' **Sample Length(in./cm.):**  
**Location:**  
**Description:** SAND Silty (SM); Yellowish Red, Micaceous  
**Date:** 8/3/06 **Natural Moisture:** 23.1  
**USCS Class.:** SM **AASHTO Class.:**  
**Testing Remarks:** Tested by: FHM Reviewed by: JRS  
ASTM D4318-05

**Liquid Limit=**     NV      
**Plastic Limit=**     NP      
**Plasticity Index=**     NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
● B-208	UD-1	8.5 Ft.	11/09/6	CH	Fat clay with sand	N/A	59	31

Client  
Project SCE&G COL

Project No. 6234-06-3534S      Figure

**MACTEC ENGINEERING  
AND  
CONSULTING, INC.**

● Tested by: JM    Reviewed by: HJ  
ASTM D 4318-05

*[Signature]*  
11/24/06

**LIQUID AND PLASTIC LIMIT TEST DATA**

Client:  
 Project: SCE&G COL  
 Project Number: 6234-06-3534S

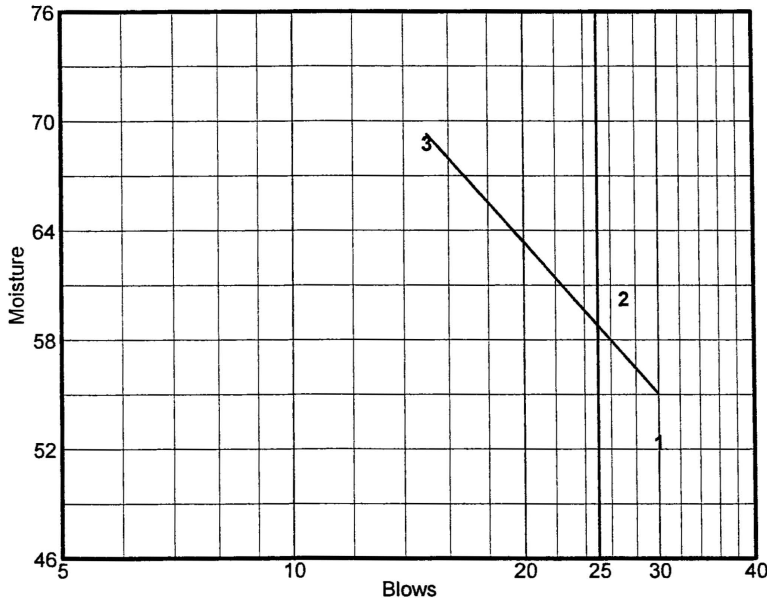
**Sample Data**

Source: B-208  
 Sample No.: UD-1  
 Elev. or Depth: 8.5 Ft. Sample Length(in./cm.): 5362  
 Location: B-208  
 Description: Fat clay with sand  
 Date: 11/09/6 Natural Moisture: N/A  
 USCS Class.: CH AASHTO Class.: N/A  
 Testing Remarks: Tested by: JM Reviewed by: HJ

ASTM D 4318-05

**Liquid Limit Data**

Run No.	1	2	3	4	5	6
Wet+Tare	35.41	29.38	29.59			
Dry+Tare	30.06	26.15	26.1			
Tare	19.85	20.79	21.03			
# Blows	30	27	15			
Moisture	52.4	60.3	68.8			



Liquid Limit= 59  
 Plastic Limit= 28  
 Plasticity Index= 31

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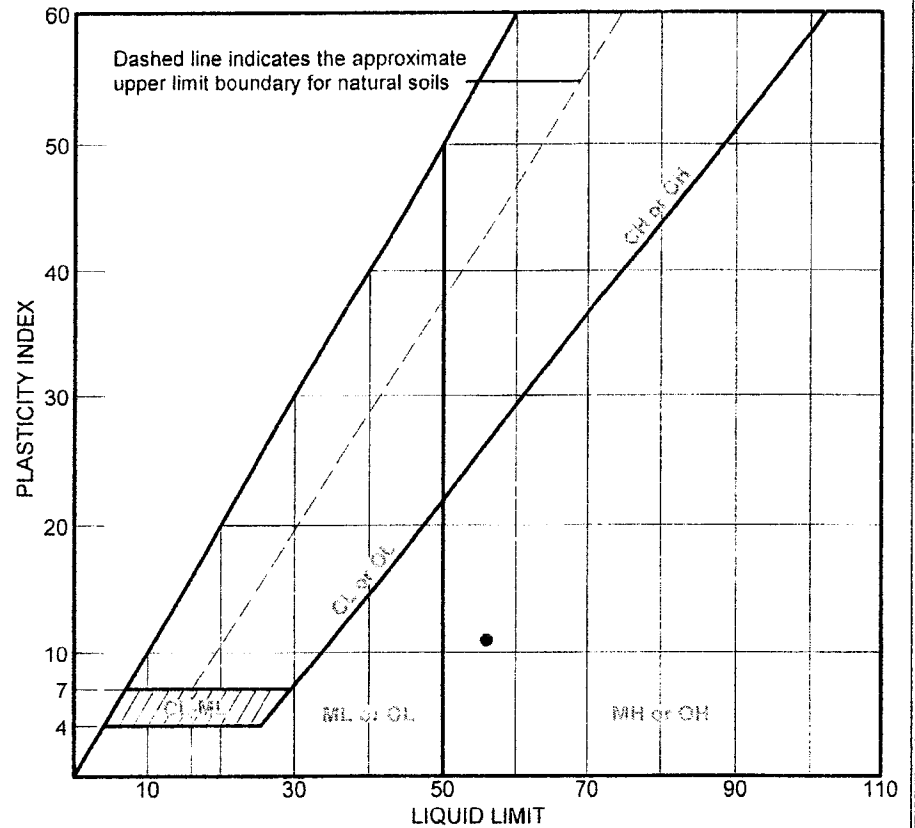
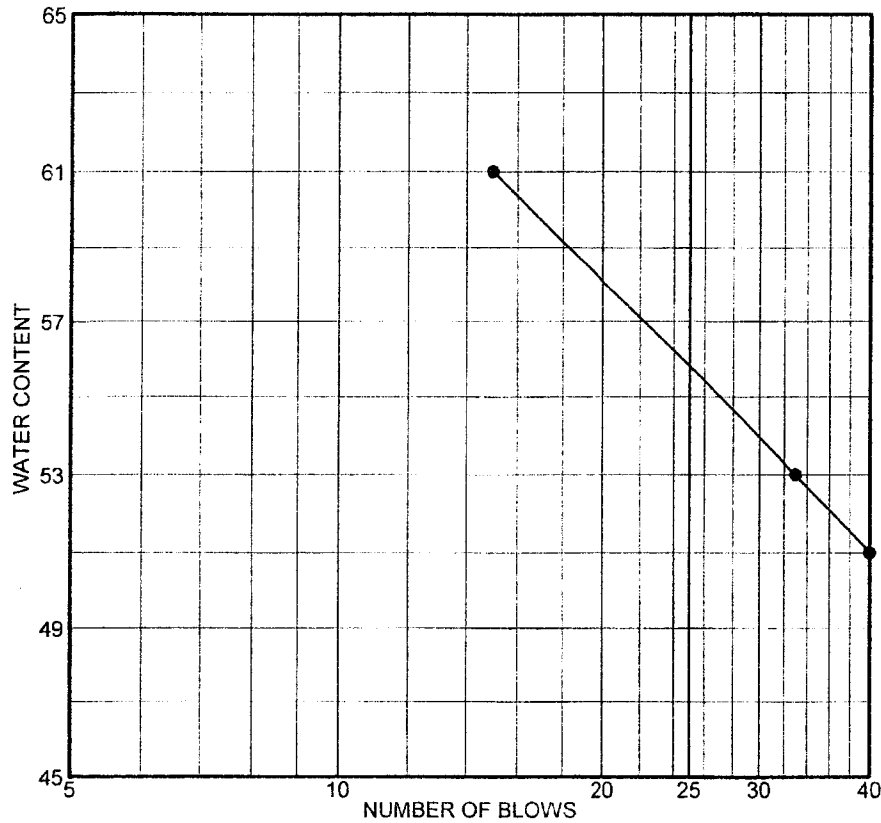
**LIQUID AND PLASTIC LIMIT TEST DATA**

---

**Plastic Limit Data**

<b>Run No.</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	
<b>Wet+Tare</b>	26.84	25.13			
<b>Dry+Tare</b>	25.59	24.01			
<b>Tare</b>	21.24	20.03			
<b>Moisture</b>	28.7	28.1			

# LIQUID AND PLASTIC LIMITS TEST REPORT ASTM D 4318-05



SOURCE	SAMPLE #	DEPTH/ELEV	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-209	UD-1	8.5 Ft.	10/5/06		Sandy Silt (MH)	N/A	56	11

Client  
 Project SCE&G COL  
 Project No. 6234-06-3534S      Lab

**MACTEC ENGINEERING  
 AND  
 CONSULTING, INC.**

• Tested by: JM    Reviewed by: HJ  
 ASTM D 4318-05

*JH* 10/22/06



**LIQUID AND PLASTIC LIMIT TEST DATA**

**Client:**

**Project:** SCE&G COL

**Project Number:** 6234-06-3534S

**Sample Data**

**Source:** B-209

**Sample No.:** UD-1

**Elev. or Depth:** 8.5 Ft.

**Sample Length(in./cm.):** 5365

**Location:** B-209

**Description:** Sandy Silt (MH)

**%<#40:**

**%<#200:**

**USCS:**

**AASHTO:** N/A

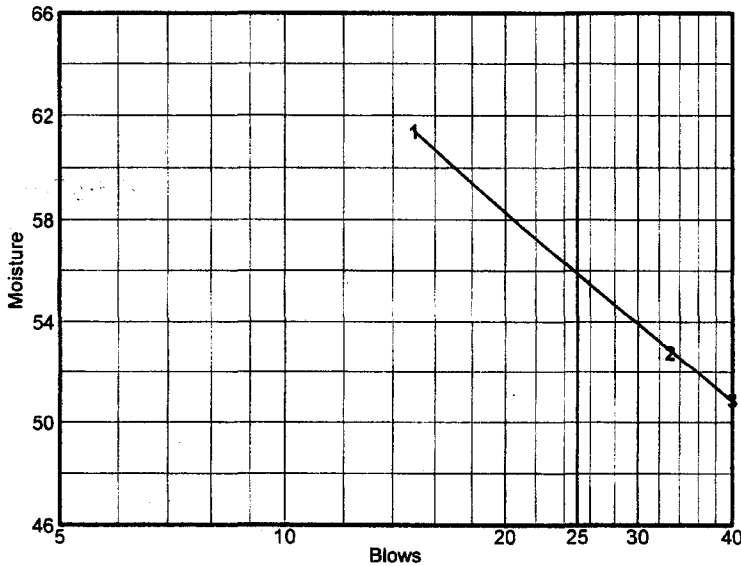
**Testing Remarks:** Tested by: JM

Reviewed by: HJ

ASTM D 4318-05

**Liquid Limit Data**

Run No.	1	2	3	4	5	6
<b>Wet+Tare</b>	31.55	31.66	30.23			
<b>Dry+Tare</b>	27.29	27.85	26.96			
<b>Tare</b>	20.35	20.63	20.54			
<b># Blows</b>	15	33	40			
<b>Moisture</b>	61.4	52.8	50.9			

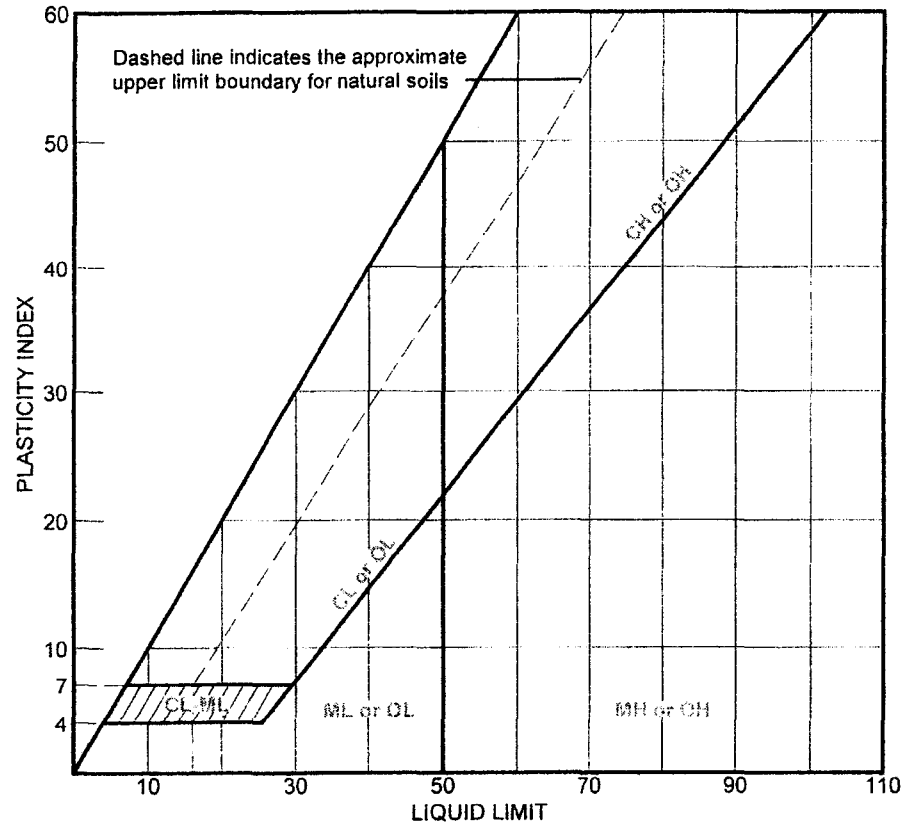


**Liquid Limit=** 56  
**Plastic Limit=** 45  
**Plasticity Index=** 11

**Plastic Limit Data**

Run No.	1	2	3	4
<b>Wet+Tare</b>	27.75	27.30		
<b>Dry+Tare</b>	25.35	25.08		
<b>Tare</b>	20.00	20.14		
<b>Moisture</b>	44.9	44.9		

# LIQUID AND PLASTIC LIMITS TEST REPORT ASTM D 4318-05



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-209	UD-4	38.5 Ft.	10/10/6		Sandy Silt (ML)	N/A	NV	NP

Client \_\_\_\_\_  
 Project SCE&G COL  
 Project No. 6234-06-3534S      Lab \_\_\_\_\_

**MACTEC ENGINEERING  
 AND  
 CONSULTING, INC.**

• Tested by: JM    Reviewed by: HJ  
 ASTM D 4318-05

*J.P. [Signature]*

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**LIQUID AND PLASTIC LIMIT TEST DATA**

---

**Client:**

**Project:** SCE&G COL

**Project Number:** 6234-06-3534S

---

**Sample Data**

---

**Source:** B-209

**Sample No.:** UD-4

**Elev. or Depth:** 38.5 Ft.

**Sample Length(in./cm.):** 5368

**Location:** B-209

**Description:** Sandy Silt (ML)

**%<#40:**                      **%<#200:**

**USCS:**

**AASHTO:** N/A

**Testing Remarks:** Tested by: JM

Reviewed by: HJ

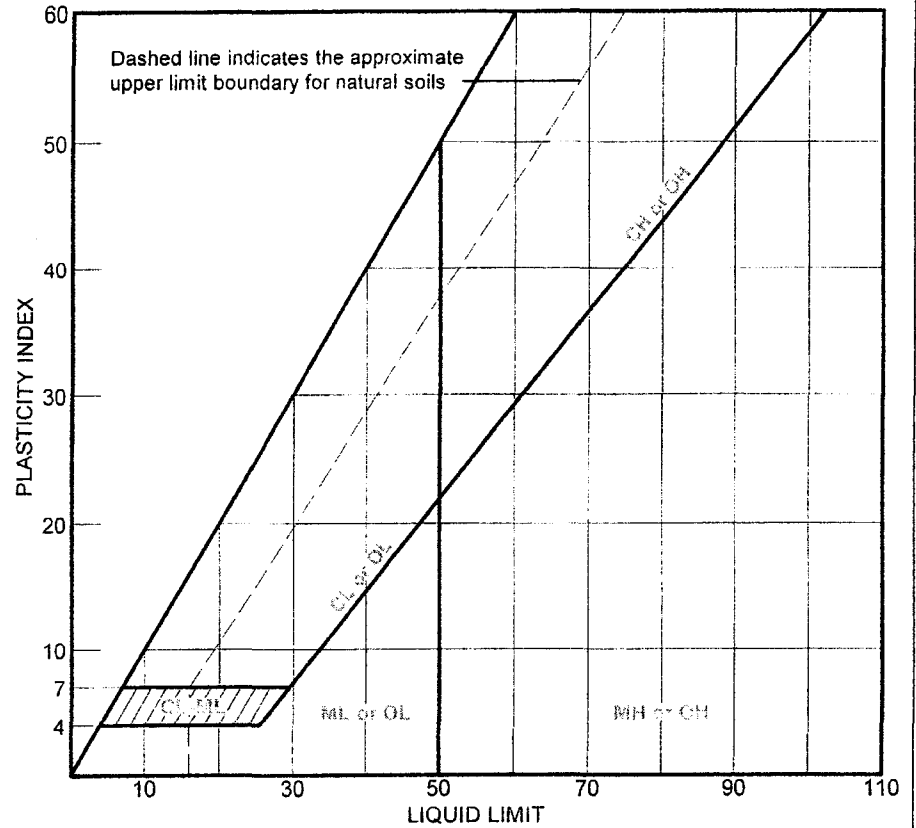
ASTM D 4318-05

**Liquid Limit=**     NV    

**Plastic Limit=**     NP    

**Plasticity Index=**     NP

# LIQUID AND PLASTIC LIMITS TEST REPORT ASTM D 4318-05



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-210	UD-1	8.5 Ft.	10/10/6		Sandy Silt (ML)	N/A	NV	NP

Client \_\_\_\_\_  
 Project SCE&G COL  
 Project No. 6234-06-3534S      Lab \_\_\_\_\_

**MACTEC ENGINEERING  
 AND  
 CONSULTING, INC.**

• Tested by: JM    Reviewed by: HJ  
 ASTM D 4318-05

*JPL* 12/22/06

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**LIQUID AND PLASTIC LIMIT TEST DATA**

---

**Client:**

**Project:** SCE&G COL

**Project Number:** 6234-06-3534S

---

**Sample Data**

---

**Source:** B-210

**Sample No.:** UD-1

**Elev. or Depth:** 8.5 Ft.

**Sample Length(in./cm.):** 5369

**Location:** B-210

**Description:** Sandy Silt (ML)

**%<#40:**                    **%<#200:**

**USCS:**

**AASHTO:** N/A

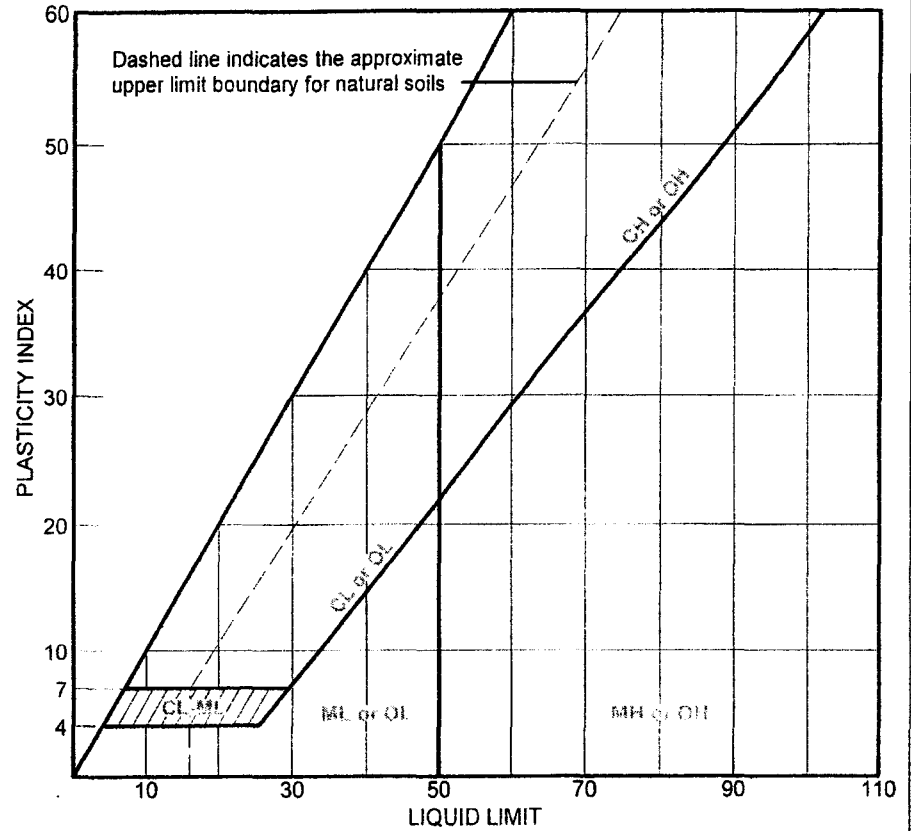
**Testing Remarks:** Tested by: JM

Reviewed by: HJ

ASTM D 4318-05

**Liquid Limit=**     NV      
**Plastic Limit=**     NP      
**Plasticity Index=**     NP

# LIQUID AND PLASTIC LIMITS TEST REPORT ASTM D 4318-05



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-210	UD-3	28.5 Ft.	10/10/6		Sandy Silt (ML)	N/A	NV	NP

Client	<b>MACTEC ENGINEERING AND CONSULTING, INC.</b>	• Tested by: JM    Reviewed by: IJJ ASTM D 4318-05
Project SCE&G COL		
Project No. 6234-06-3534S      Lab		

*J. J. [Signature]*

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**LIQUID AND PLASTIC LIMIT TEST DATA**

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**Client:**

**Project:** SCE&G COL

**Project Number:** 6234-06-3534S

---

**Sample Data**

---

**Source:** B-210

**Sample No.:** UD-3

**Elev. or Depth:** 28.5 Ft.

**Sample Length(in./cm.):** 5371

**Location:** B-210

**Description:** Sandy Silt (ML)

**%<#40:**

**%<#200:**

**USCS:**

**AASHTO:** N/A

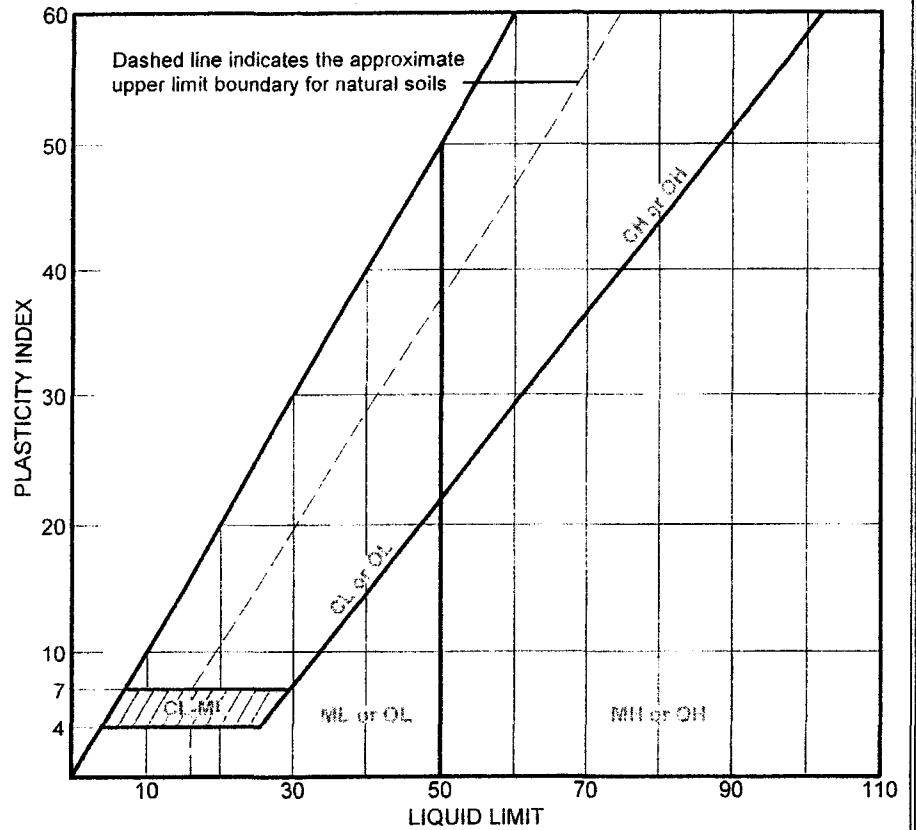
**Testing Remarks:** Tested by: JM

Reviewed by: HJ

ASTM D 4318-05

**Liquid Limit=**     NV      
**Plastic Limit=**     NP      
**Plasticity Index=**     NP

# LIQUID AND PLASTIC LIMITS TEST REPORT ASTM D 4318-05



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-210	UD-4	38.5 Ft.	10/10/6		Sandy Silt (ML)	N/A	NV	NP

Client	<b>MACTEC ENGINEERING AND CONSULTING, INC.</b>	• Tested by: JM    Reviewed by: HJ  ASTM D 4318-05
Project SCE&G COL		
Project No. 6234-06-3534S      Lab		

*JL* 10/22/06



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**LIQUID AND PLASTIC LIMIT TEST DATA**

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**Client:**

**Project:** SCE&G COL

**Project Number:** 6234-06-3534S

---

**Sample Data**

---

**Source:** B-210

**Sample No.:** UD-4

**Elev. or Depth:** 38.5 Ft.

**Sample Length(in./cm.):** 5372

**Location:** B-210

**Description:** Sandy Silt (ML)

**%<#40:**

**%<#200:**

**USCS:**

**AASHTO:** N/A

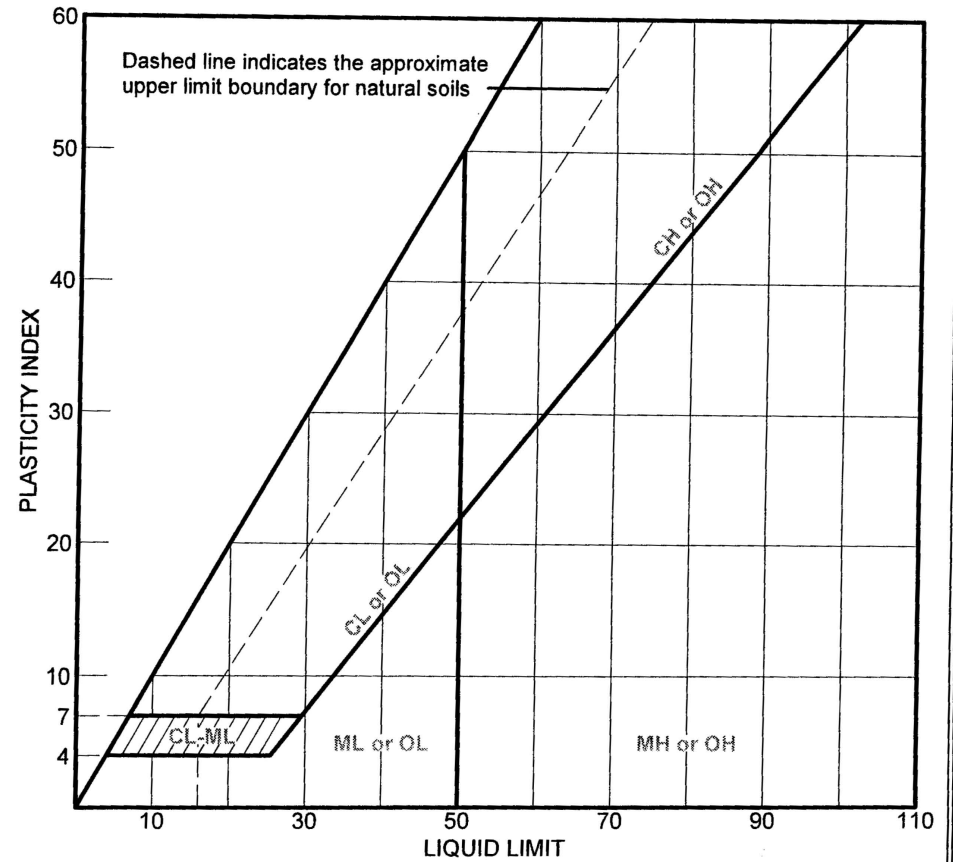
**Testing Remarks:** Tested by: JM

Reviewed by: HJ

ASTM D 4318-05

**Liquid Limit=**     NV      
**Plastic Limit=**     NP      
**Plasticity Index=**     NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-211	2	1.5'	8/6/06	SM	SAND Silty (SM); Red	14.8	NV	NP

Client Bechtel Power Corporation  
 Project SCE&G COL  
 Project No. 6234-06-3534

**MACTEC, INC.**  
 Charlotte, North Carolina

• Tested by: FHM    Reviewed by: JRS  
 ASTM D4318-05

*JRS.*  
 11-14-06

Figure

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**LIQUID AND PLASTIC LIMIT TEST DATA**

---

**Client:** Bechtel Power Corporation

**Project:** SCE&G COL

**Project Number:** 6234-06-3534

---

**Sample Data**

---

**Source:** B-211

**Sample No.:** 2

**Elev. or Depth:** 1.5'

**Sample Length(in./cm.):**

**Location:**

**Description:** SAND Silty (SM); Red

**Date:** 8/6/06

**Natural Moisture:** 14.8

**USCS Class.:** SM

**AASHTO Class.:**

**Testing Remarks:** Tested by: FHM

Reviewed by: JRS

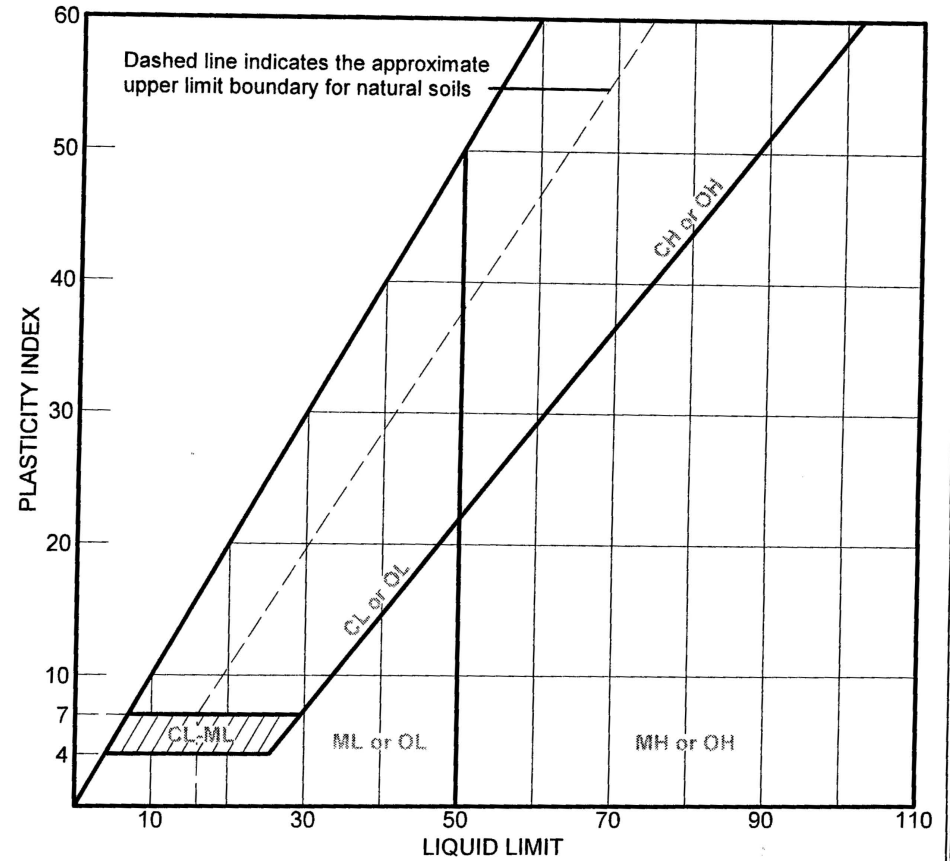
ASTM D4318-05

**Liquid Limit=**     NV    

**Plastic Limit=**     NP    

**Plasticity Index=**     NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
● B-211	4	6.0'	8/6/06	SM	SAND Silty (SM); Strong Brown, Micaceous	28.2	NV	NP

Client Bechtel Power Corporation  
 Project SCE&G COL

Project No. 6234-06-3534      Figure

**MACTEC, INC.**  
 Charlotte, North Carolina

● Tested by: FHM      Reviewed by: JRS  
 ASTM D4318-05

*JRS*  
 11-14-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-211

Sample No.: 4

Elev. or Depth: 6.0'

Sample Length(in./cm.):

Location:

Description: SAND Silty (SM); Strong Brown, Micaceous

Date: 8/6/06

Natural Moisture: 28.2

USCS Class.: SM

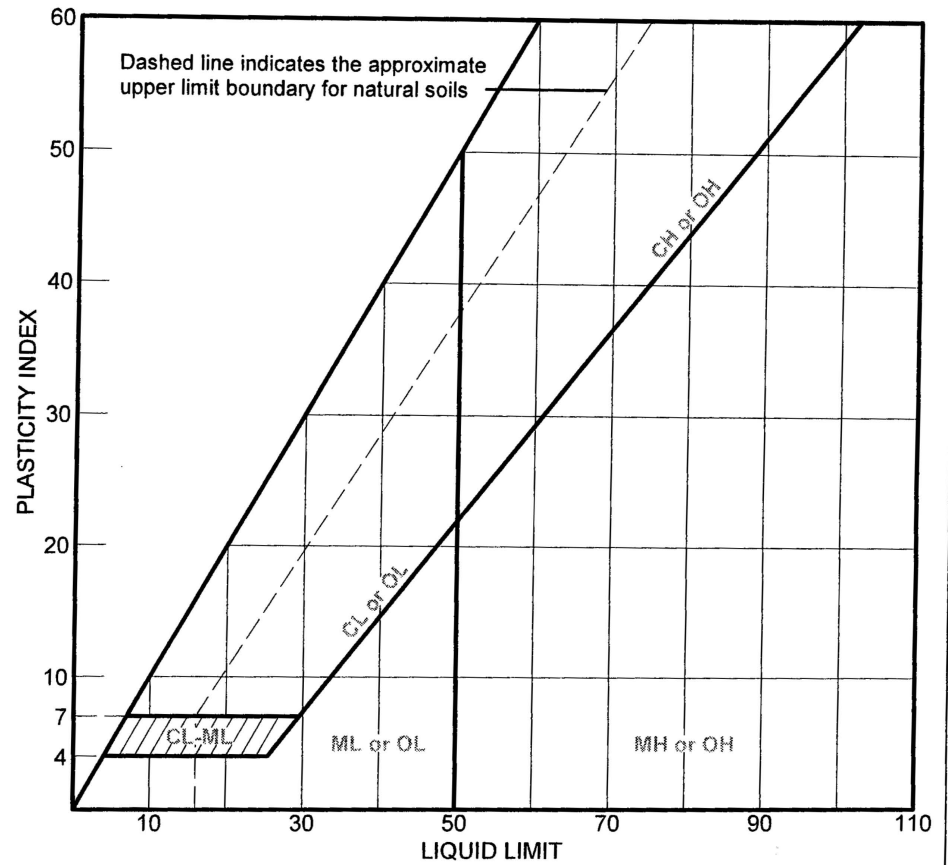
AASHTO Class.:

Testing Remarks: Tested by: FHM  
ASTM D4318-05

Reviewed by: JRS

Liquid Limit= NV  
Plastic Limit= NP  
Plasticity Index= NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-211	6	11.0'	8/6/06	SM	SAND Silty (SM); Light Brown, Very Micaceous	17.9	NV	NP

Client Bechtel Power Corporation  
 Project SCE&G COL  
 Project No. 6234-06-3534

**MACTEC, INC.**  
 Charlotte, North Carolina

• Tested by: FHM    Reviewed by: JRS  
 ASTM D4318-05  
*JRS.*  
 11-14-06

LIQUID AND PLASTIC LIMIT TEST DATA

Client: Bechtel Power Corporation

Project: SCE&G COL

Project Number: 6234-06-3534

Sample Data

Source: B-211

Sample No.: 6

Elev. or Depth: 11.0'

Sample Length(in./cm.):

Location:

Description: SAND Silty (SM); Light Brown, Very Micaceous

Date: 8/6/06

Natural Moisture: 17.9

USCS Class.: SM

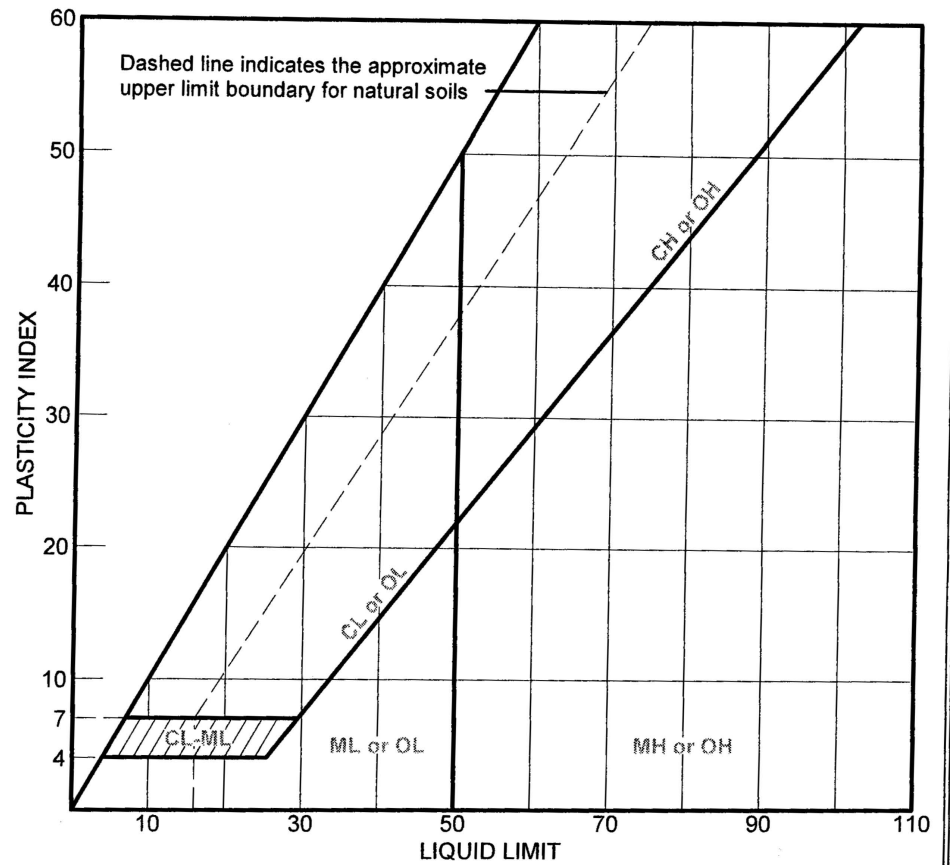
AASHTO Class.:

Testing Remarks: Tested by: FHM  
ASTM D4318-05

Reviewed by: JRS

Liquid Limit= NV  
Plastic Limit= NP  
Plasticity Index= NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



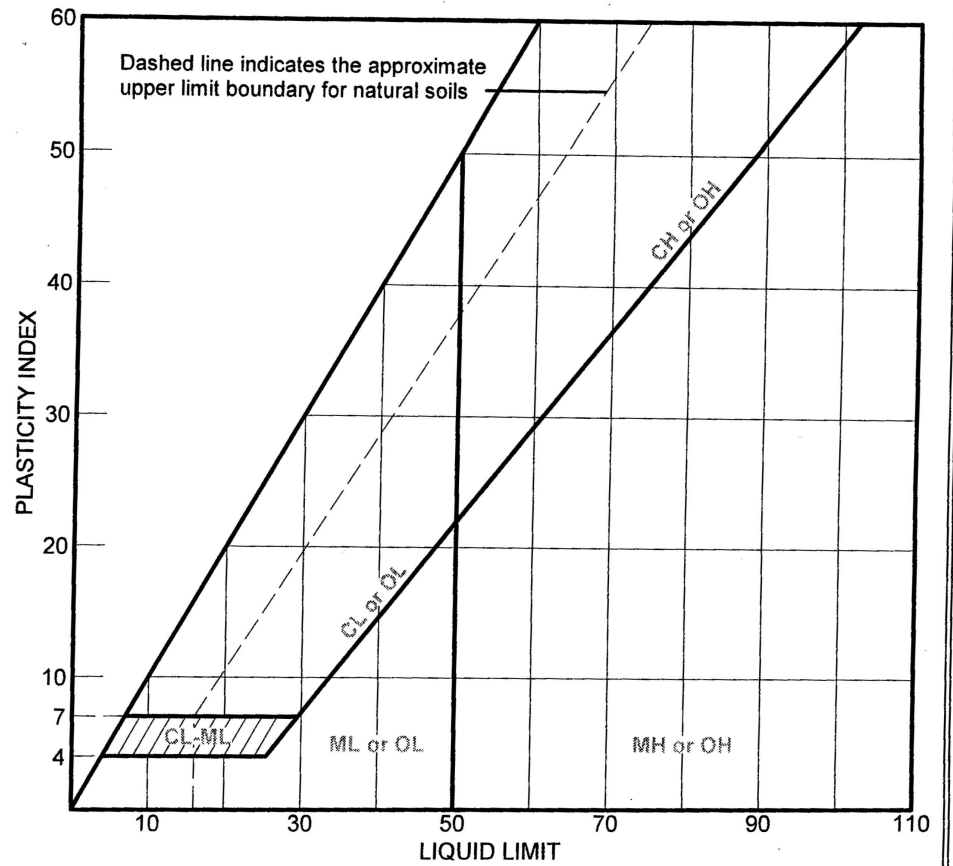
SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-211	8	18.5'	8/6/06	SM	SAND Silty (SM); Strong Brown, Very Micaceous	22.6	NV	NP

Client Bechtel Power Corporation Project SCE&G COL	<b>MACTEC, INC.</b>  <b>Charlotte, North Carolina</b>	• Tested by: FHM    Reviewed by: JRS ASTM D4318-05
Project No. 6234-06-3534      Figure	<i>JRS.</i> <i>11-14-06</i>	





# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-211	10	28.5'	8/6/06	SM	SAND Silty (SM); Strong Brown, Very Micaceous	26.0	NV	NP

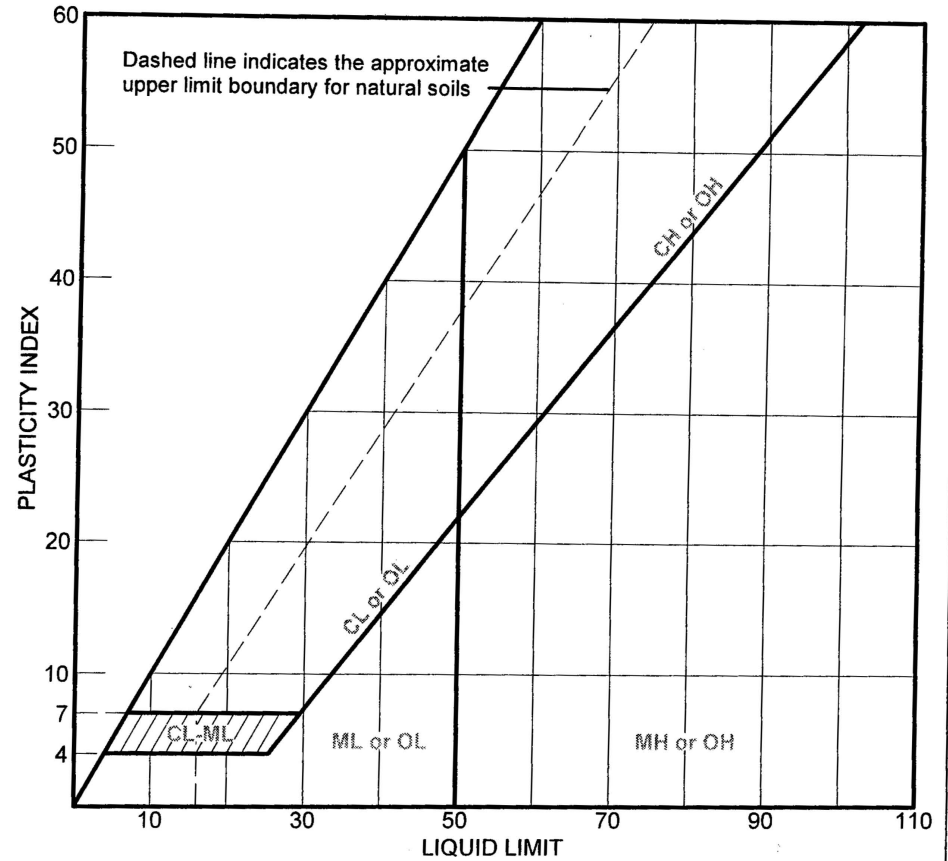
Client Bechtel Power Corporation  
 Project SCE&G COL  
 Project No. 6234-06-3534

**MACTEC, INC.**  
 Charlotte, North Carolina

• Tested by: FHM    Reviewed by: JRS  
 ASTM D4318-05  
*JRS*  
 11-14-06



# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-211	12	38.5'	8/6/06	SM	SAND Silty (SM); Brown, Very Micaceous	31.3	NV	NP

Client Bechtel Power Corporation  
 Project SCE&G COL  
 Project No. 6234-06-3534

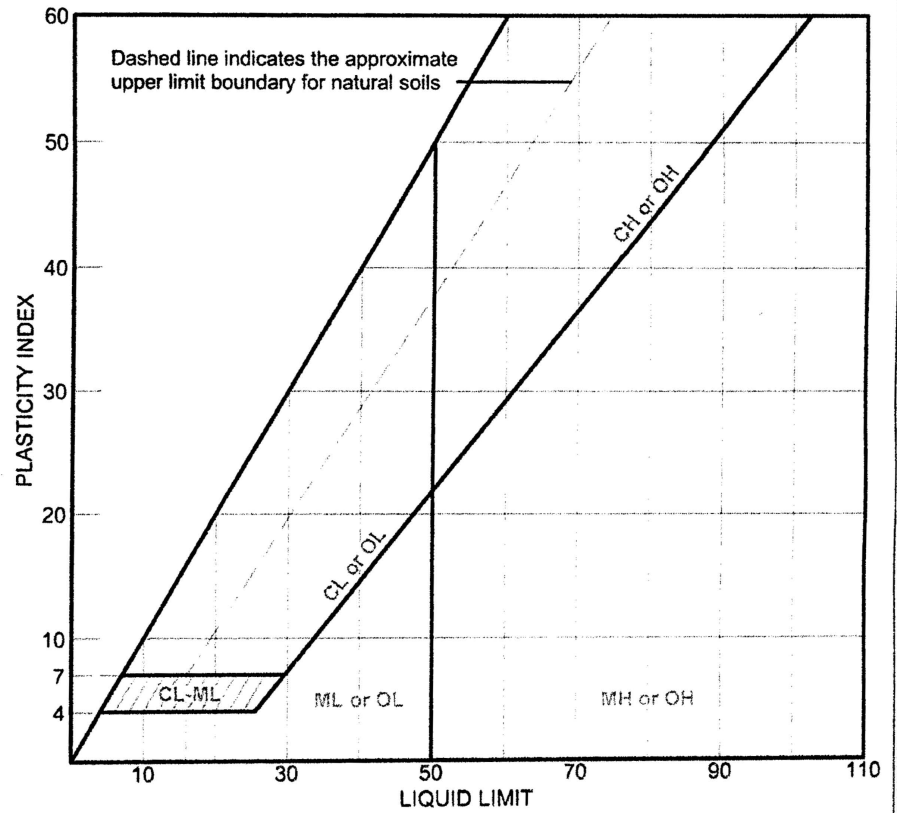
**MACTEC, INC.**  
 Charlotte, North Carolina

Tested by: FHM    Reviewed by: JRS  
 ASTM D4318-05  
*JRS*  
 11-14-06

Figure



# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-215	UD-1	8.5 Ft.	10/10/6	N/A		N/A	NV	NP

Client  
 Project SCE&G COL  
 Project No. 6234-06-3534S

**MACTEC ENGINEERING  
 AND  
 CONSULTING, INC.**

• Tested by: JM Reviewed by: HJ  
 ASTM D 4318-05

*[Signature]* 11/24/06

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**LIQUID AND PLASTIC LIMIT TEST DATA**

---

**Client:**

**Project:** SCE&G COL

**Project Number:** 6234-06-3534S

---

**Sample Data**

---

**Source:** B-215

**Sample No.:** UD-1

**Elev. or Depth:** 8.5 Ft.

**Sample Length(in./cm.):** 5373

**Location:** B-215

**Description:**

**Date:** 10/10/6

**Natural Moisture:** N/A

**USCS Class.:** N/A

**AASHTO Class.:** N/A

**Testing Remarks:** Tested by: JM

Reviewed by: HJ

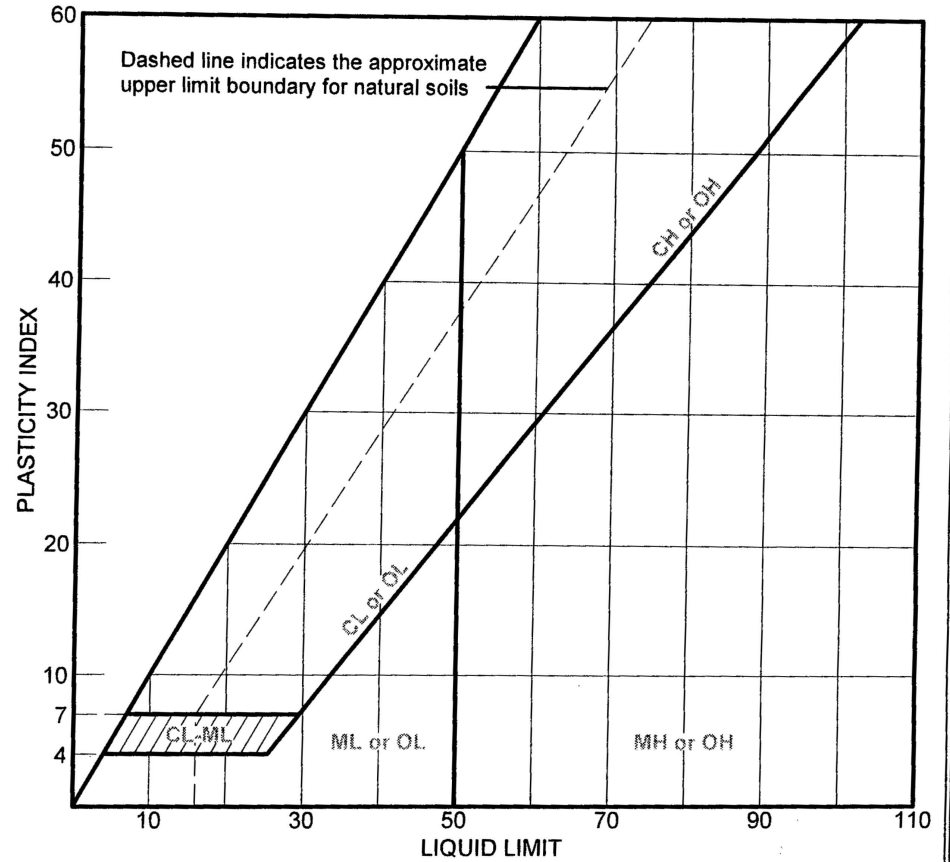
ASTM D 4318-05

**Liquid Limit=** \_\_\_\_\_

**Plastic Limit=** NP

**Plasticity Index=** NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-215	5	11.0'	8/6/06	SM	SAND Silty (SM); Strong Brown	25.7	NV	NP

Client Bechtel Power Corporation  
 Project SCE&G COL  
 Project No. 6234-06-3534

**MACTEC, INC.**  
 Charlotte, North Carolina

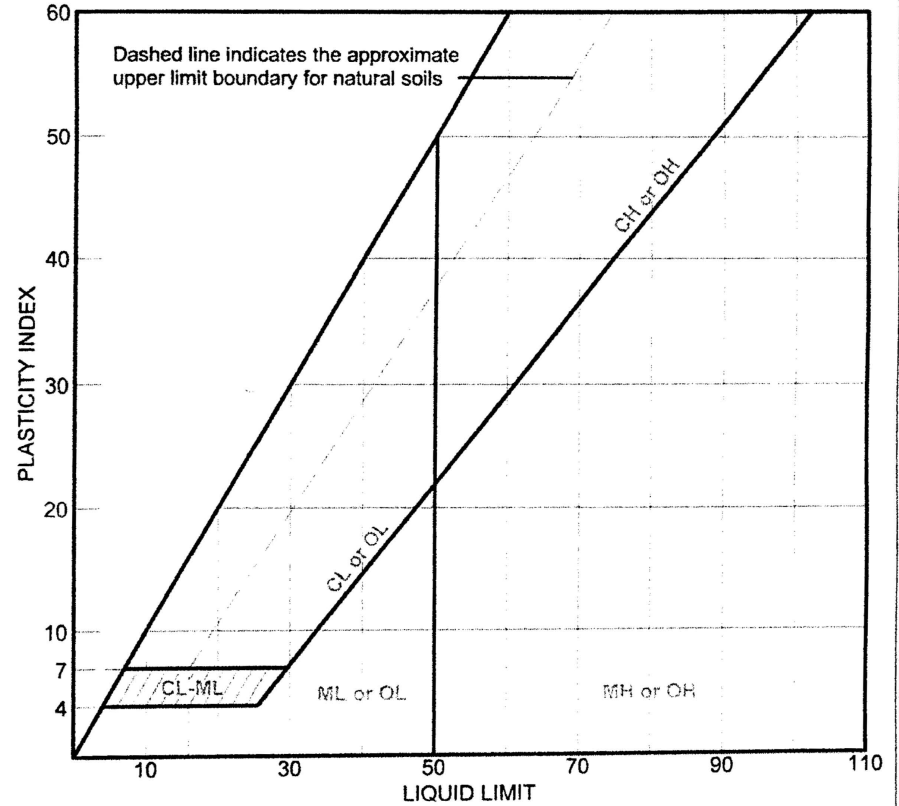
• Tested by: FHM    Reviewed by: JRS  
 ASTM D4318-05  
*JRS*  
 11-14-06

Figure





# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-215	UD-2	18.5 Ft.	10/10/6	N/A		N/A	NV	NP

Client  
 Project SCE&G COL  
 Project No. 6234-06-3534S

**MACTEC ENGINEERING  
 AND  
 CONSULTING, INC.**

• Tested by: JM Reviewed by: HJ  
 ASTM D 4318-05

*[Handwritten Signature]*

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**LIQUID AND PLASTIC LIMIT TEST DATA**

---

**Client:**

**Project:** SCE&G COL

**Project Number:** 6234-06-3534S

---

**Sample Data**

---

**Source:** B-215

**Sample No.:** UD-2

**Elev. or Depth:** 18.5 Ft.

**Sample Length(in./cm.):** 5374

**Location:** B-215

**Description:**

**Date:** 10/10/6

**Natural Moisture:** N/A

**USCS Class.:** N/A

**AASHTO Class.:** N/A

**Testing Remarks:** Tested by: JM

Reviewed by: HJ

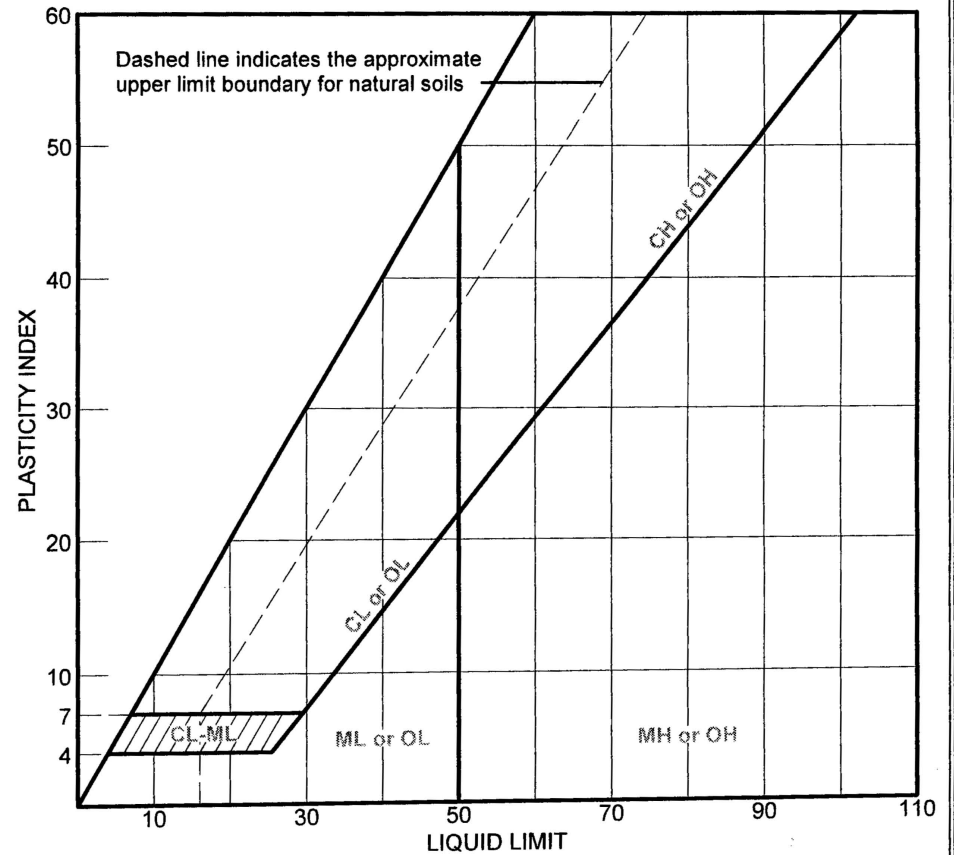
ASTM D 4318-05

**Liquid Limit=** \_\_\_\_\_

**Plastic Limit=** NP

**Plasticity Index=** NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
● B-216	2	1.5'	9/12/06	SM	SAND Silty (SM); Red, Micaceous	20.6	NV	NP

Client Bechtel Power Corporation Project SCE&G COL Project No. 6234-06-3534	<b>MACTEC, INC.</b>  <b>Charlotte, North Carolina</b>	● Tested by: FHM    Reviewed by: JRS ASTM D4318-05  <div style="text-align: right;"> <i>JRS.</i>                      11-15-06                 </div>
Figure		

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**LIQUID AND PLASTIC LIMIT TEST DATA**

---

**Client:** Bechtel Power Corporation  
**Project:** SCE&G COL  
**Project Number:** 6234-06-3534

---

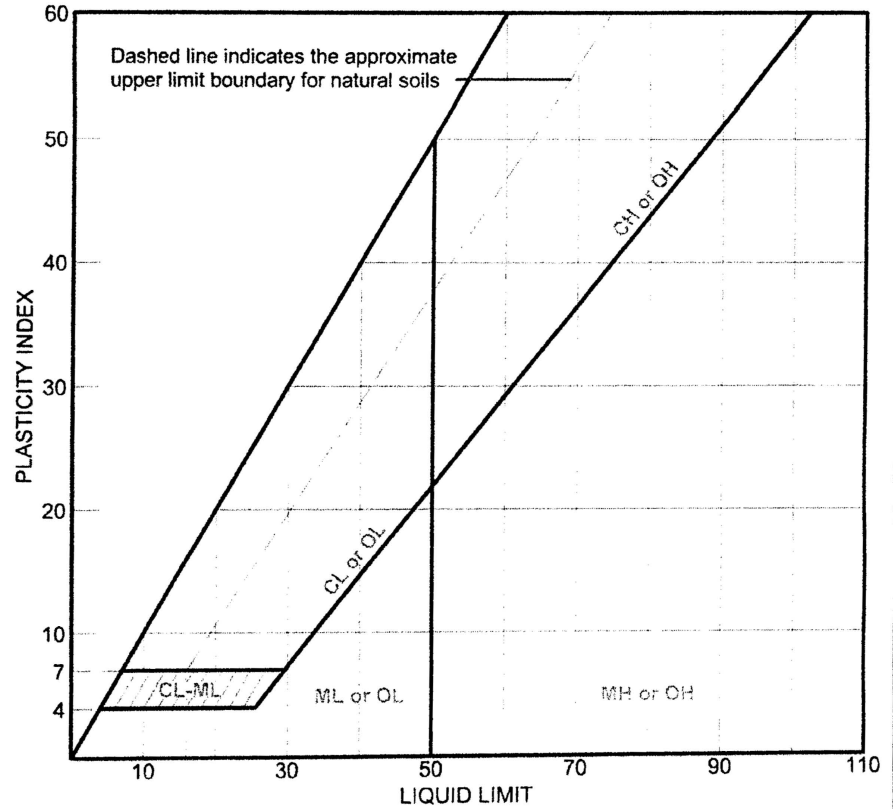
**Sample Data**

---

**Source:** B-216  
**Sample No.:** 2  
**Elev. or Depth:** 1.5' **Sample Length(in./cm.):**  
**Location:**  
**Description:** SAND Silty (SM); Red, Micaceous  
**Date:** 9/12/06 **Natural Moisture:** 20.6  
**USCS Class.:** SM **AASHTO Class.:**  
**Testing Remarks:** Tested by: FHM Reviewed by: JRS  
ASTM D4318-05

**Liquid Limit=**     NV      
**Plastic Limit=**     NP      
**Plasticity Index=**     NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
B-216	UD-1	6.5 Ft.	11/10/0	ML	Silt	N/A	NV	NP

Client \_\_\_\_\_  
 Project SCE&G COL  
 Project No. 6234-06-3534S

**MACTEC ENGINEERING  
 AND  
 CONSULTING, INC.**

• Tested by: JM      Reviewed by: HJ  
 ASTM D 4318-05  
*[Signature]* 11/29/06

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**LIQUID AND PLASTIC LIMIT TEST DATA**

---

**Client:**

**Project:** SCE&G COL

**Project Number:** 6234-06-3534S

---

**Sample Data**

---

**Source:** B-216

**Sample No.:** UD-1

**Elev. or Depth:** 6.5 Ft.

**Sample Length(in./cm.):** 5377

**Location:** B-216

**Description:** Silt

**Date:** 11/10/0

**Natural Moisture:** N/A

**USCS Class.:** ML

**AASHTO Class.:** N/A

**Testing Remarks:** Tested by: JM

Reviewed by: HJ

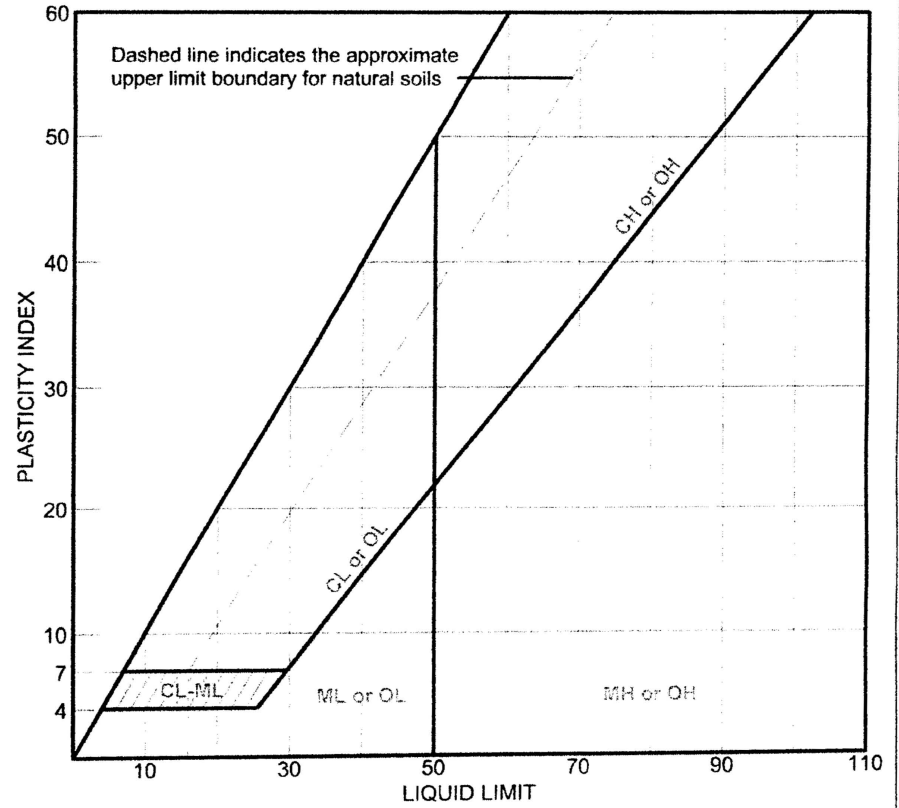
ASTM D 4318-05

**Liquid Limit=** \_\_\_\_\_

**Plastic Limit=** NP

**Plasticity Index=** NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-216	UD-2	13.5 Ft.	11/10/6	ML	Silt with sand	N/A	NV	NP

Client \_\_\_\_\_  
 Project SCE&G COL  
 Project No. 6234-06-3534S

**MACTEC ENGINEERING  
 AND  
 CONSULTING, INC.**

• Tested by: JM      Reviewed by: HJ  
 ASTM D 4318-05



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**LIQUID AND PLASTIC LIMIT TEST DATA**

---

**Client:**

**Project:** SCE&G COL

**Project Number:** 6234-06-3534S

---

**Sample Data**

---

**Source:** B-216

**Sample No.:** UD-2

**Elev. or Depth:** 13.5 Ft.

**Sample Length(in./cm.):** 5378

**Location:** B-216

**Description:** Silt with sand

**Date:** 11/10/6

**Natural Moisture:** N/A

**USCS Class.:** ML

**AASHTO Class.:** N/A

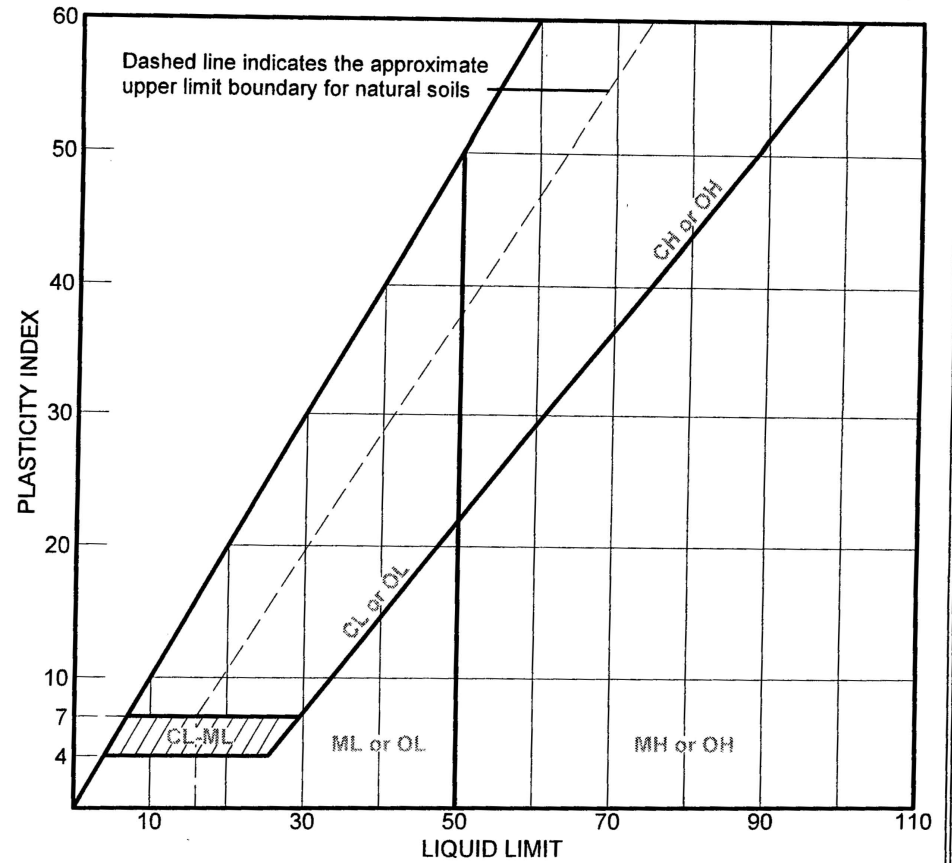
**Testing Remarks:** Tested by: JM

Reviewed by: HJ

ASTM D 4318-05

**Liquid Limit=** \_\_\_\_\_  
**Plastic Limit=** NP  
**Plasticity Index=** NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-216	6	18.5'	8/6/06	ML	SILT Sandy (ML); Yellowish Brown, Very Pale Brown, White, Black, Micaceous	49.3	NV	NP

Client Bechtel Power Corporation	<b>MACTEC, INC.</b>	<b>Charlotte, North Carolina</b>	• Tested by: FHM    Reviewed by: JRS ASTM D4318-05 <i>JRS</i> 11-14-06
Project SCE&G COL			
Project No. 6234-06-3534      Figure			

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**LIQUID AND PLASTIC LIMIT TEST DATA**

---

**Client:** Bechtel Power Corporation  
**Project:** SCE&G COL  
**Project Number:** 6234-06-3534

---

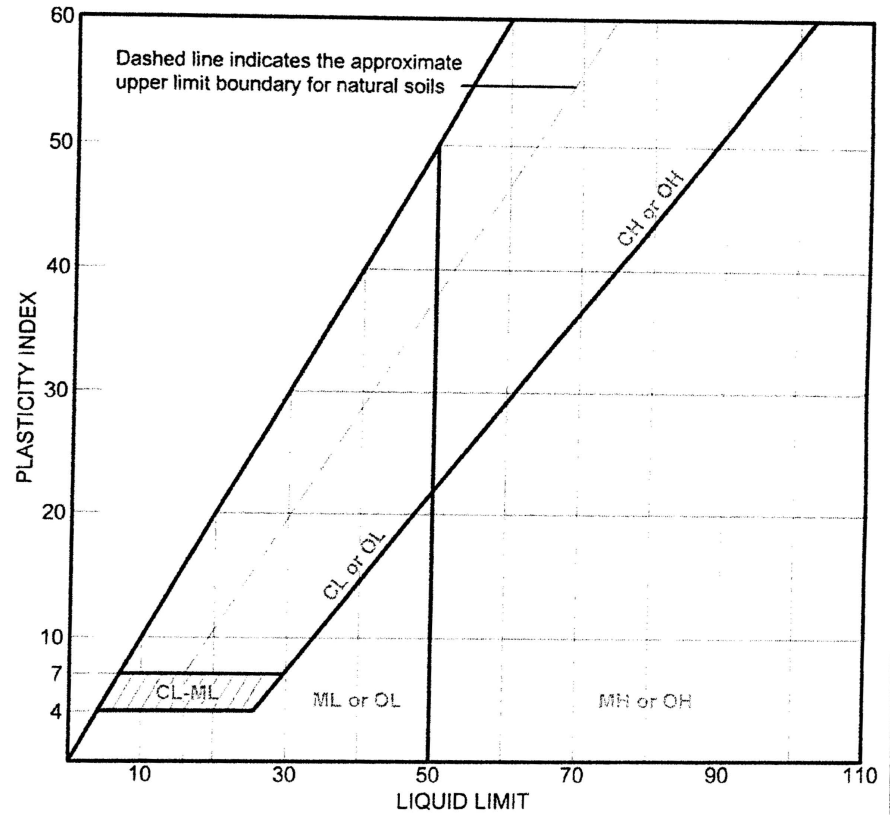
**Sample Data**

---

**Source:** B-216  
**Sample No.:** 6  
**Elev. or Depth:** 18.5' **Sample Length(in./cm.):**  
**Location:**  
**Description:** SILT Sandy (ML); Yellowish Brown, Very Pale Brown, White, Black,  
Micaceous  
**Date:** 8/6/06 **Natural Moisture:** 49.3  
**USCS Class.:** ML **AASHTO Class.:**  
**Testing Remarks:** Tested by: FHM Reviewed by: JRS  
ASTM D4318-05

**Liquid Limit=**     NV      
**Plastic Limit=**     NP      
**Plasticity Index=**     NP

# LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
• B-216	UD-3	23.5 Ft.	11/10/6	ML	Silt with sand	N/A	NV	NP

Client  
 Project SCE&G COL  
 Project No. 6234-06-3534S

**MACTEC ENGINEERING  
 AND  
 CONSULTING, INC.**

• Tested by: JM    Reviewed by: HJ  
 ASTM D 4318-05

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**LIQUID AND PLASTIC LIMIT TEST DATA**

---

**Client:**

**Project:** SCE&G COL

**Project Number:** 6234-06-3534S

---

**Sample Data**

---

**Source:** B-216

**Sample No.:** UD-3

**Elev. or Depth:** 23.5 Ft.

**Sample Length(in./cm.):** 5379

**Location:** B-216

**Description:** Silt with sand

**Date:** 11/10/6

**Natural Moisture:** N/A

**USCS Class.:** ML

**AASHTO Class.:** N/A

**Testing Remarks:** Tested by: JM

Reviewed by: HJ

ASTM D 4318-05

**Liquid Limit=** \_\_\_\_\_  
**Plastic Limit=** NP  
**Plasticity Index=** NP