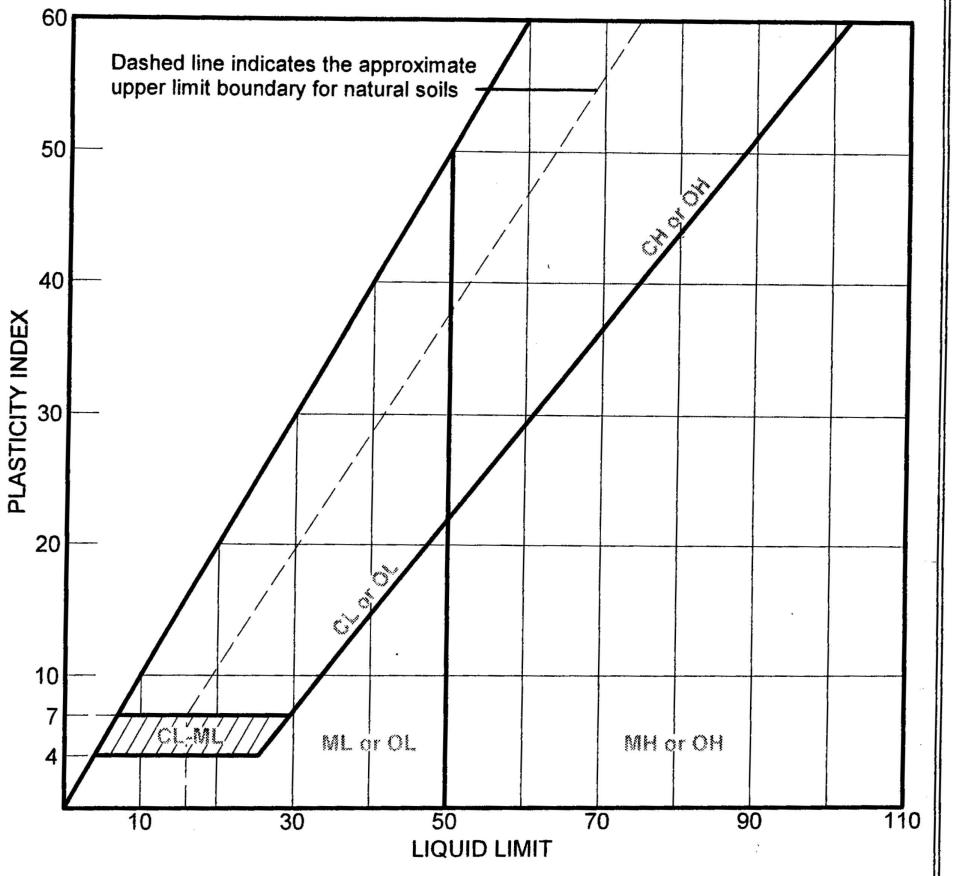
LIQUID AND PLASTIC LIMITS TEST REPORT



	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 | 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

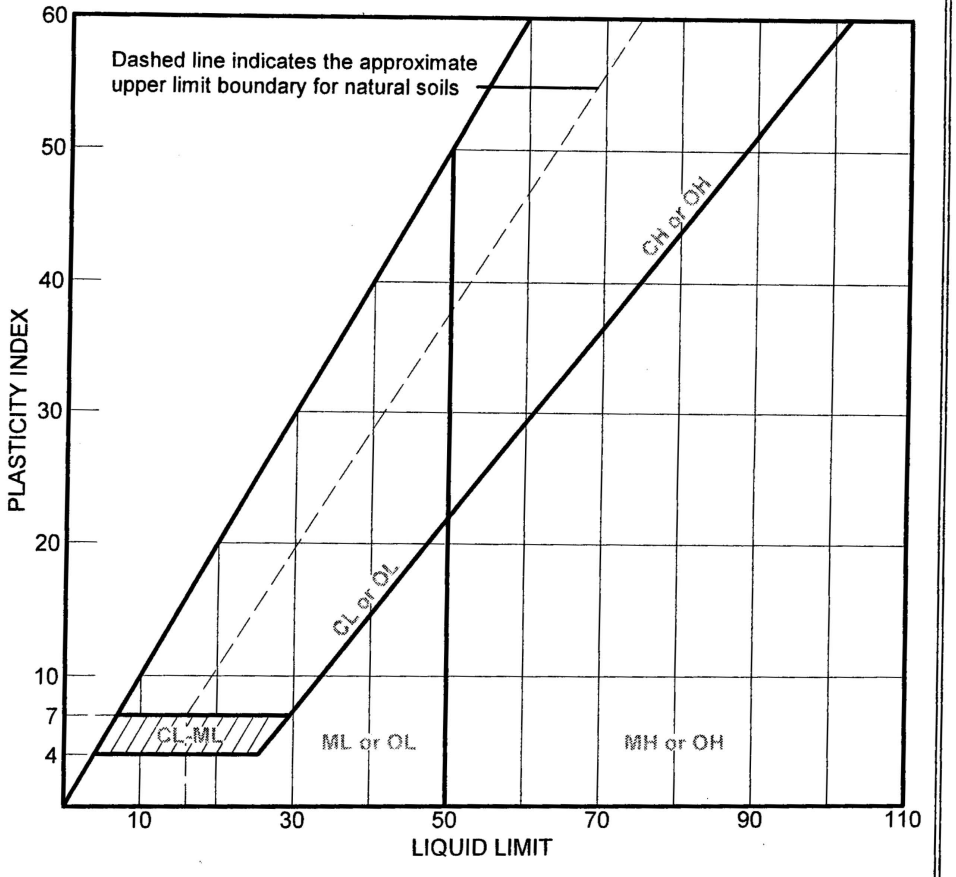
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-201
Sample No.: 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 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

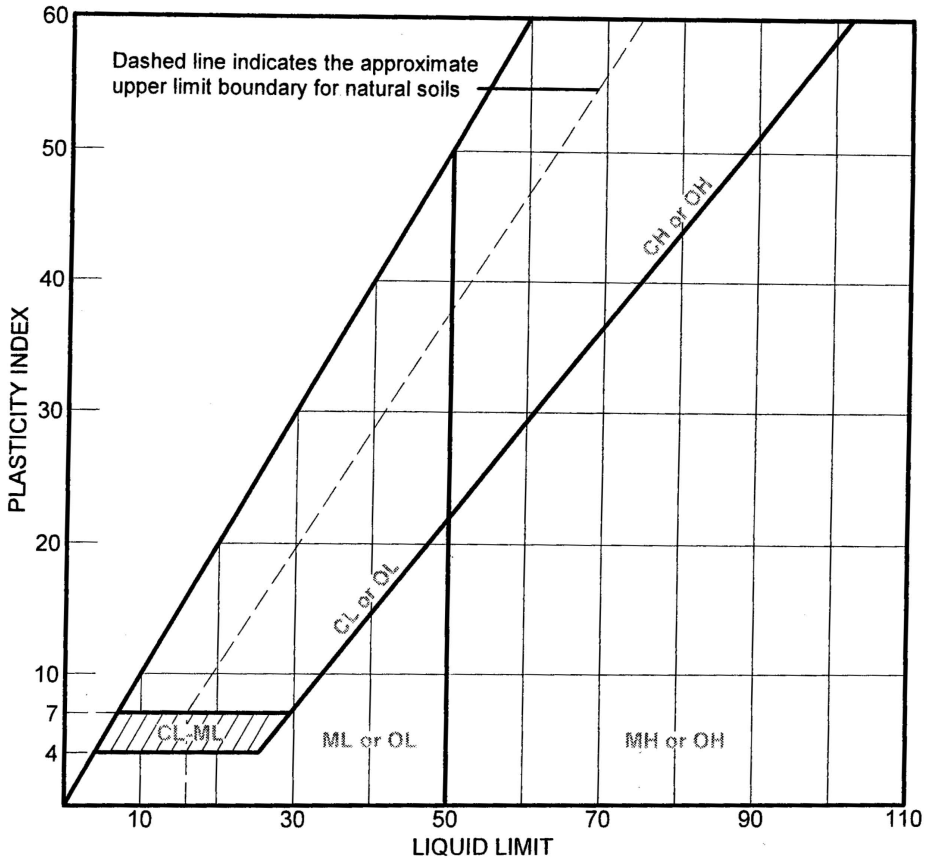
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-201
Sample No.: 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 | 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

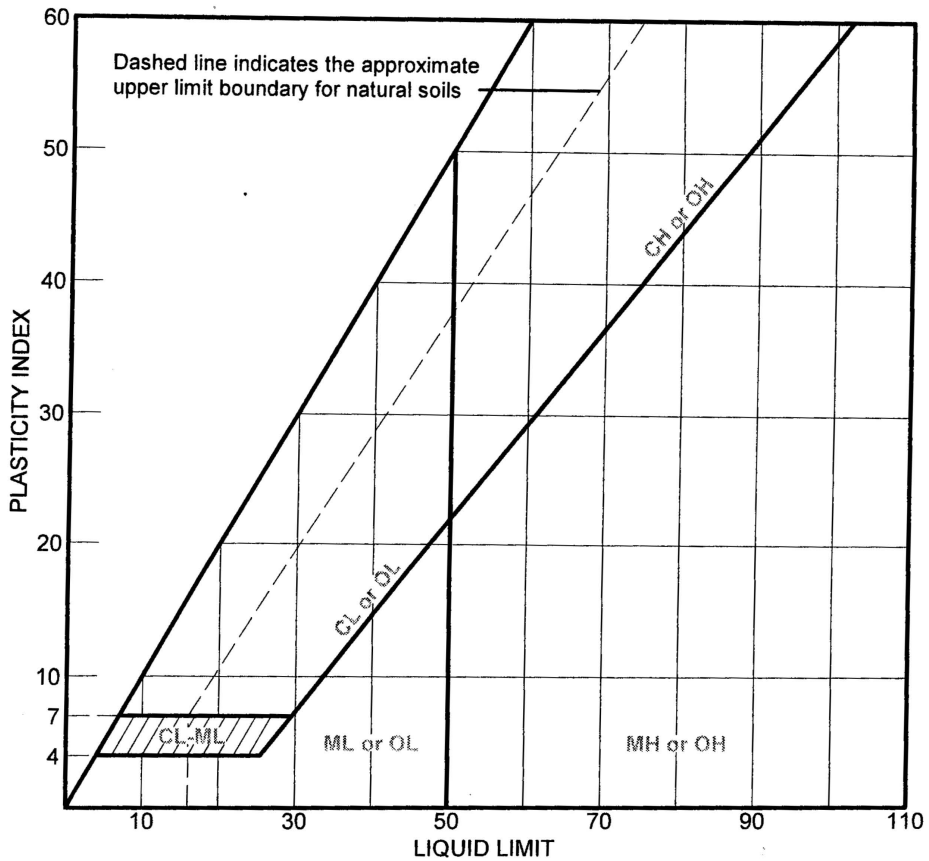
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-201
Sample No.: 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

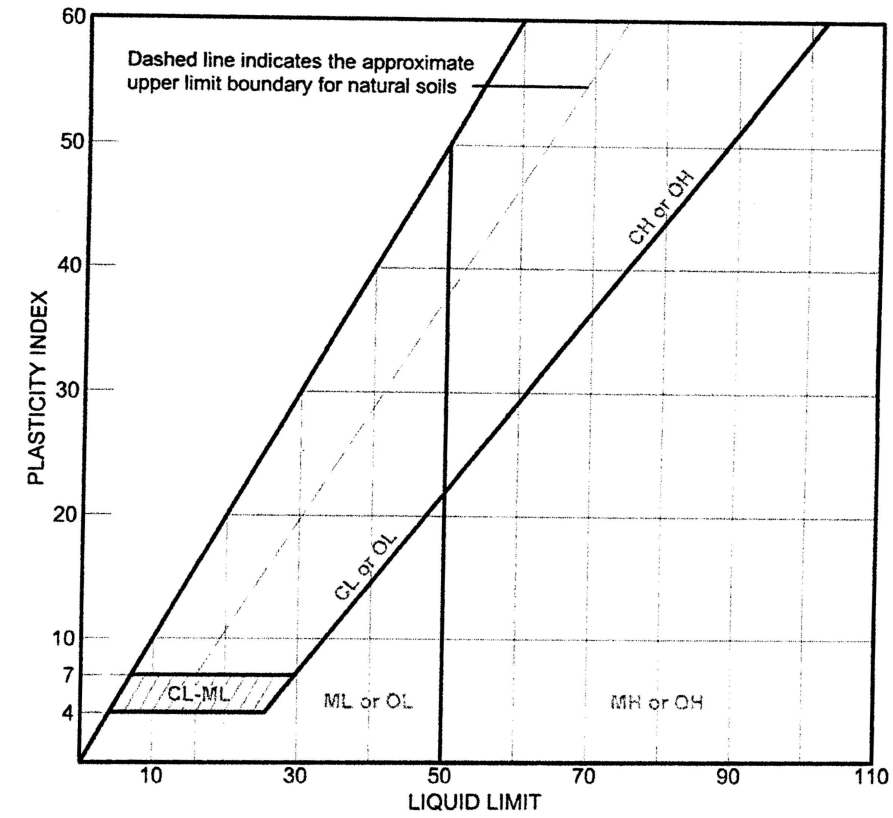
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

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 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-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 11/24/06

LIQUID AND PLASTIC LIMIT TEST DATA

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

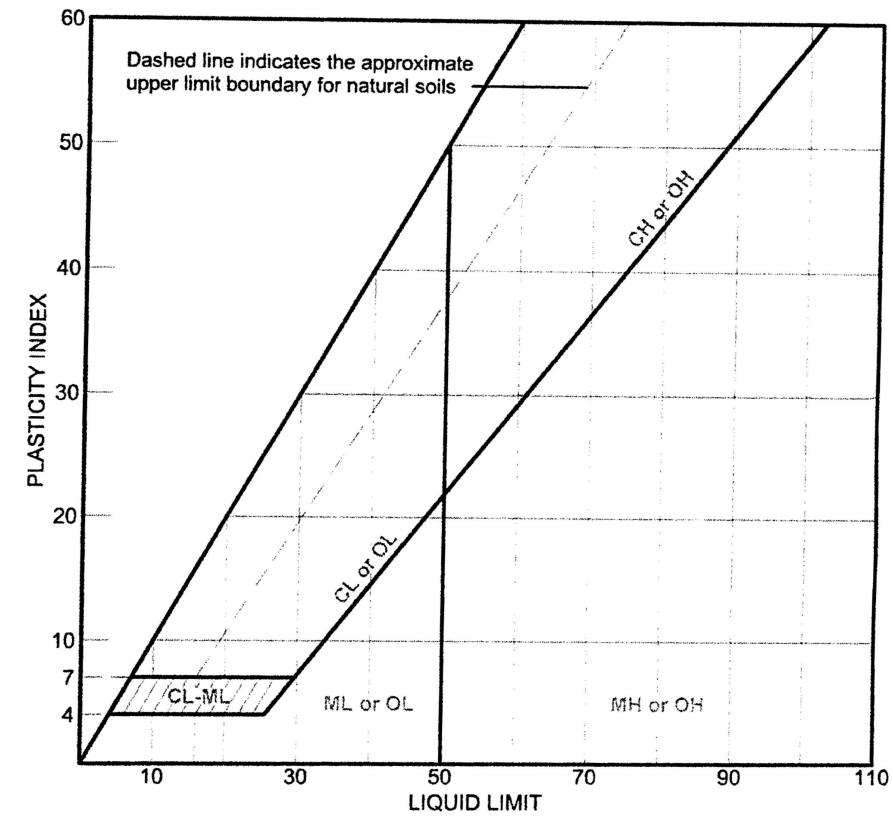
Sample Data

Source: B-204
Sample No.: UD-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

JHL 11/24/06

LIQUID AND PLASTIC LIMIT TEST DATA

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

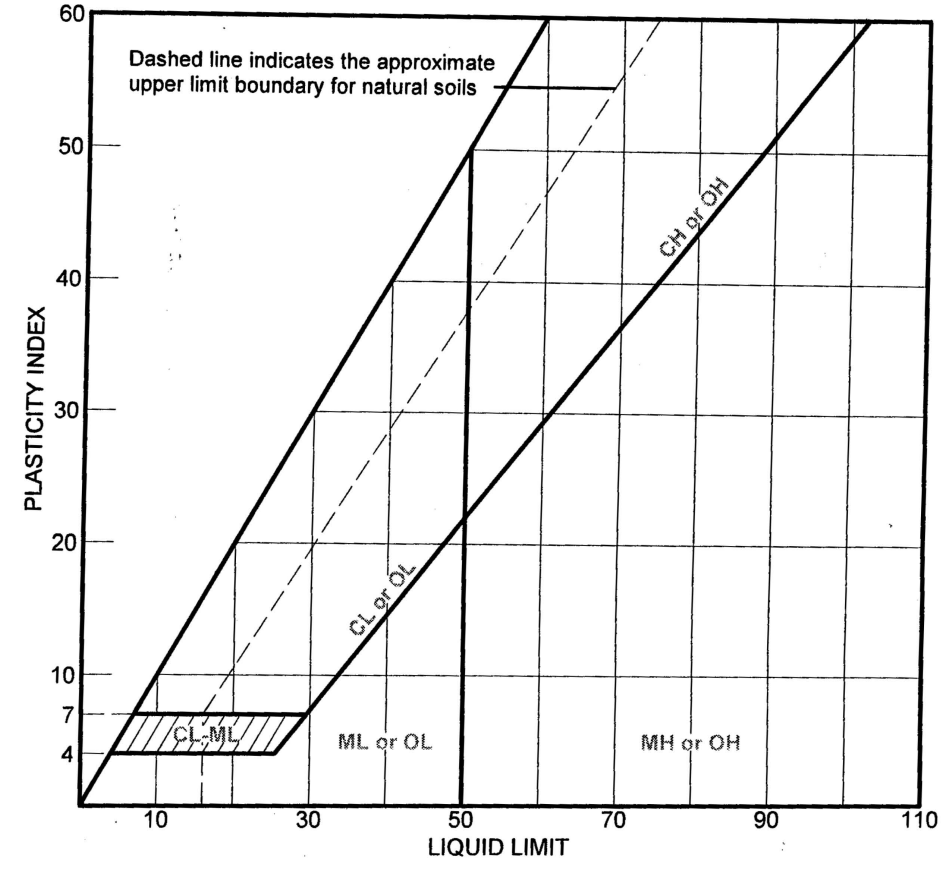
Sample Data

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 | 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

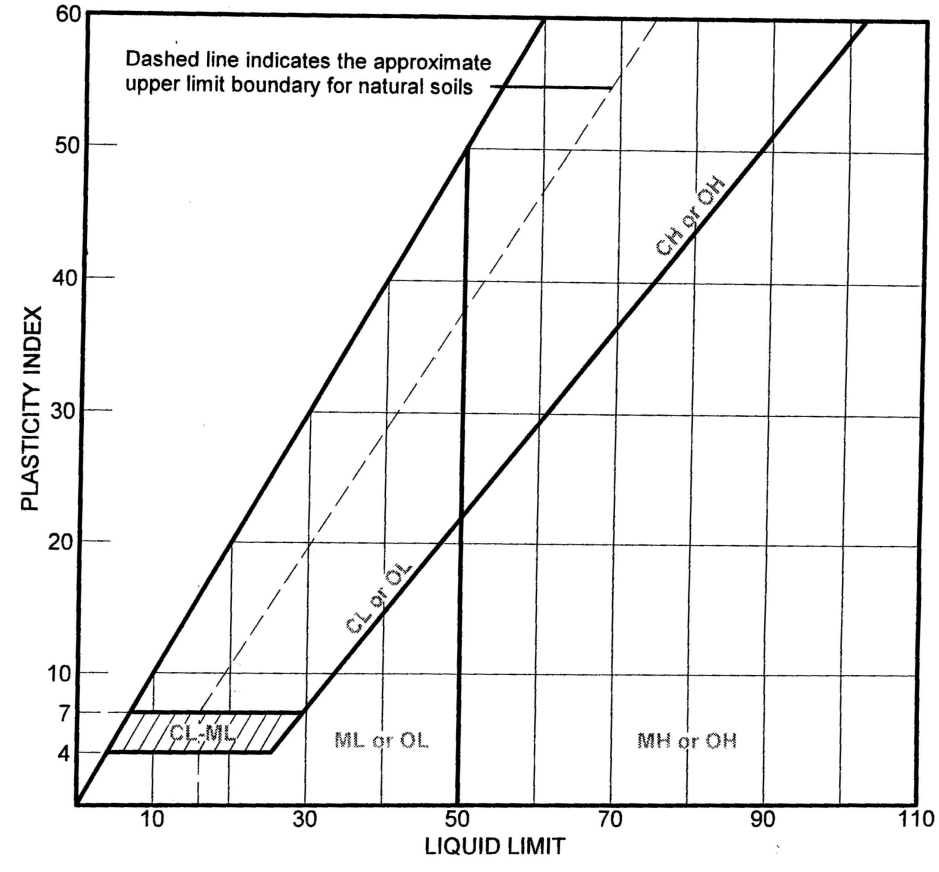
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-205
Sample No.: 2
Elev. or Depth: 1.5' **Sample Length(in./cm.):**
Location:
Description: SILT Sandy (ML); Red
Date: 8-8-06 **Natural Moisture:** 34.6
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-205	8	18.5'	8-8-06	ML	SILT sandy (ML); Strong Brown, Micaceous	30.8	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

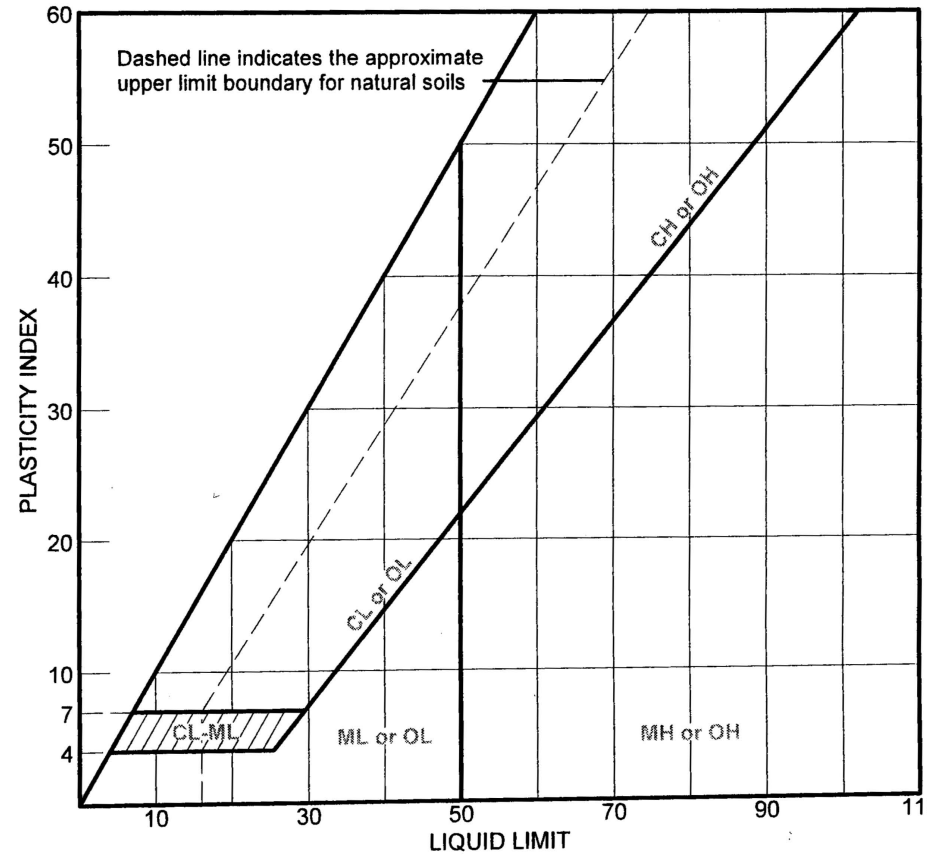
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-205
Sample No.: 8
Elev. or Depth: 18.5' **Sample Length(in./cm.):**
Location:
Description: SILT sandy (ML); Strong Brown, Micaceous
Date: 8-8-06 **Natural Moisture:** 30.8
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-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 LIMIT TEST DATA

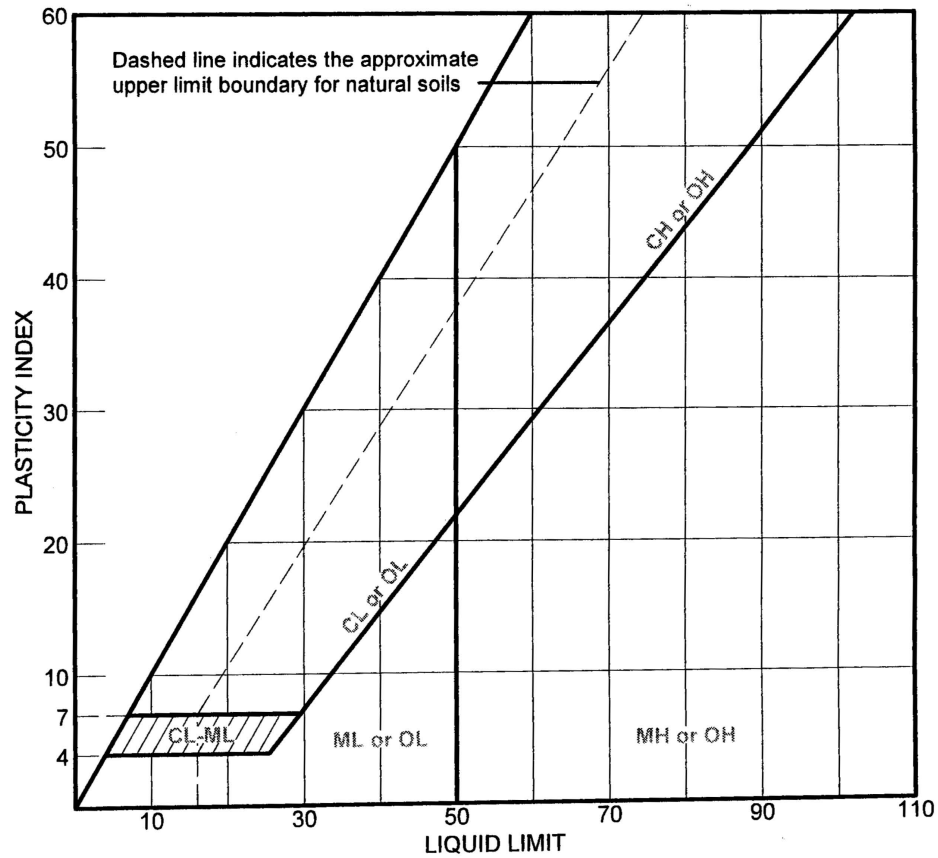
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-205
Sample No.: 13
Elev. or Depth: 43.5' **Sample Length(in./cm.):**
Location:
Description: SAND Silty (SM); Strong Brown, Micaceous
Date: 8-8-06 **Natural Moisture:** 21.5
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-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 | 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

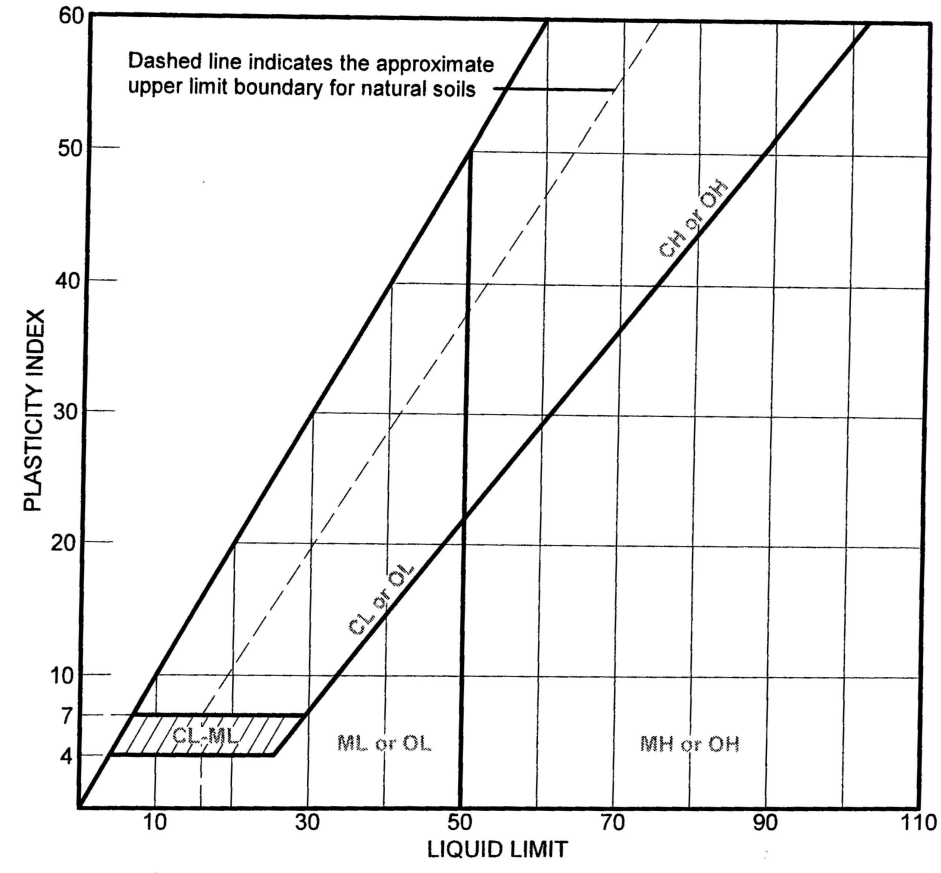
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-205
Sample No.: 14
Elev. or Depth: 48.5' **Sample Length(in./cm.):**
Location:
Description: SAND Silty (SM); Strong Brown, Micaceous
Date: 8-8-06 **Natural Moisture:** 7.8
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-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

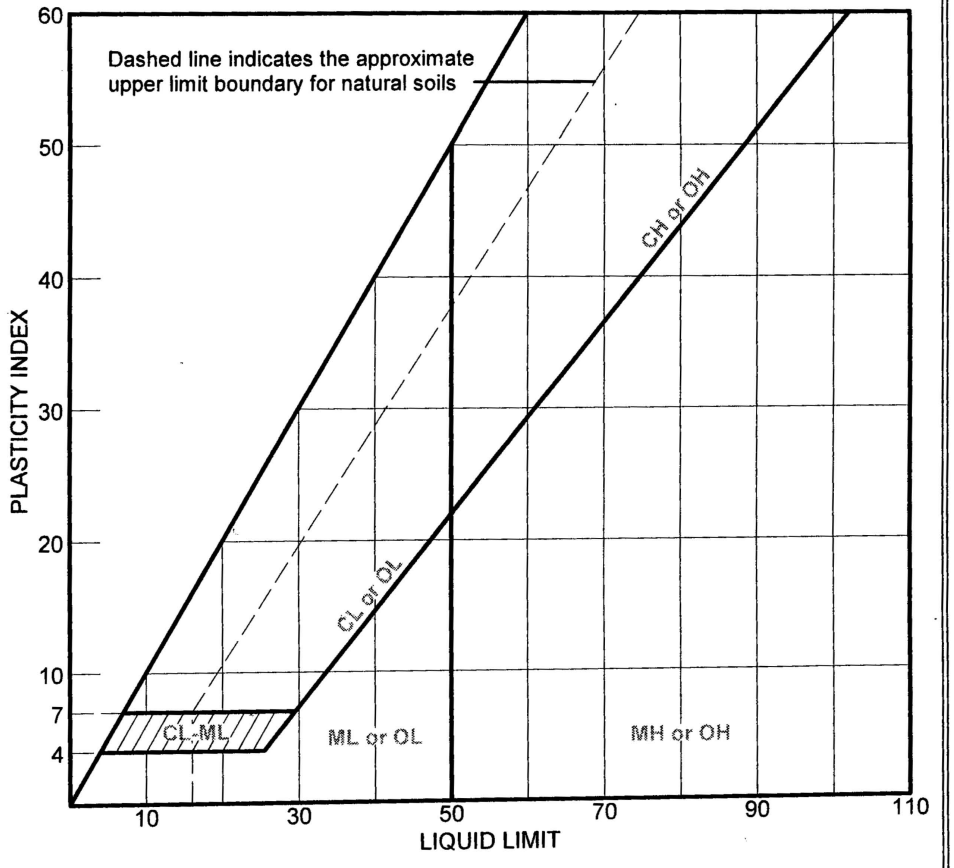
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

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 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	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 LIMIT TEST DATA

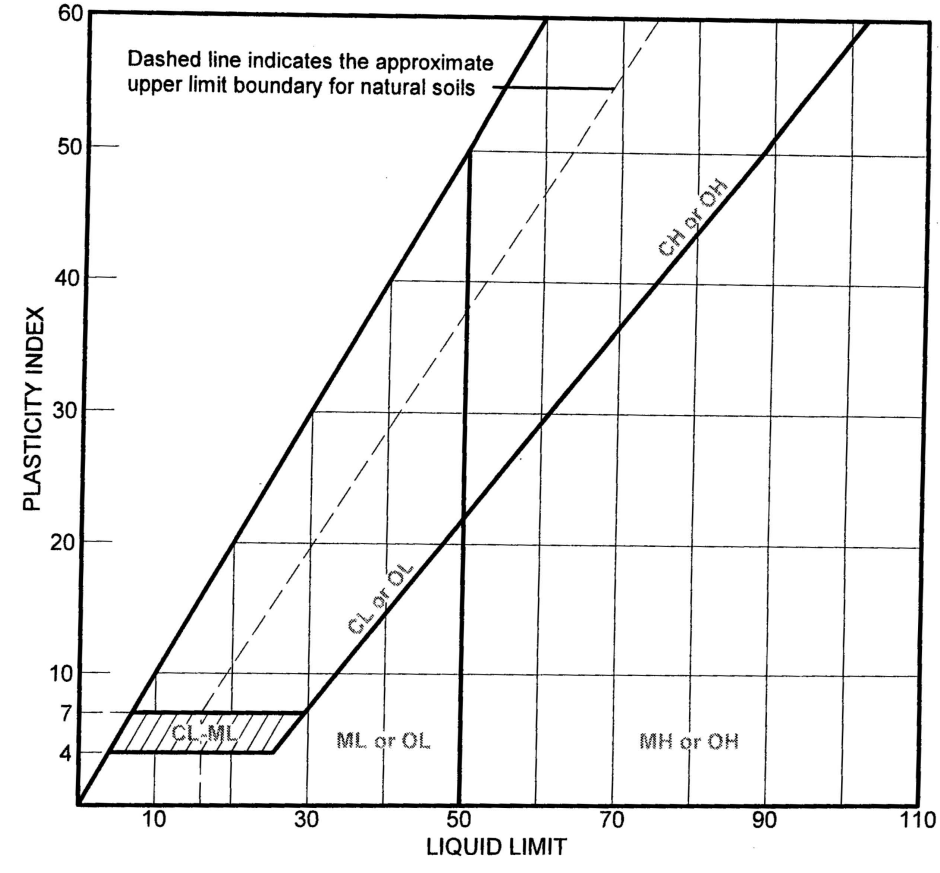
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-207
Sample No.: 1
Elev. or Depth: 0.0' **Sample Length(in./cm.):**
Location:
Description: SAND Silty (SM); Red and Brown
Date: 8/4/06 **Natural Moisture:** 9.4
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-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 | 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

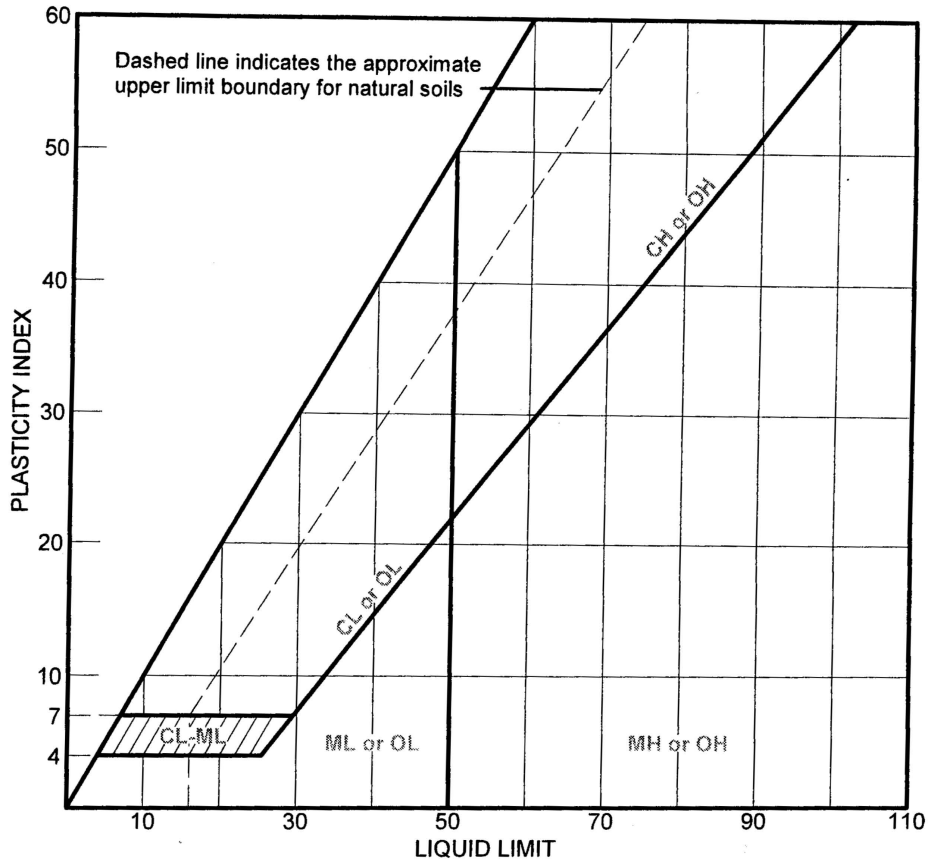
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-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 Figure

MACTEC, INC.

Charlotte, North Carolina

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

JRS 11-16-06

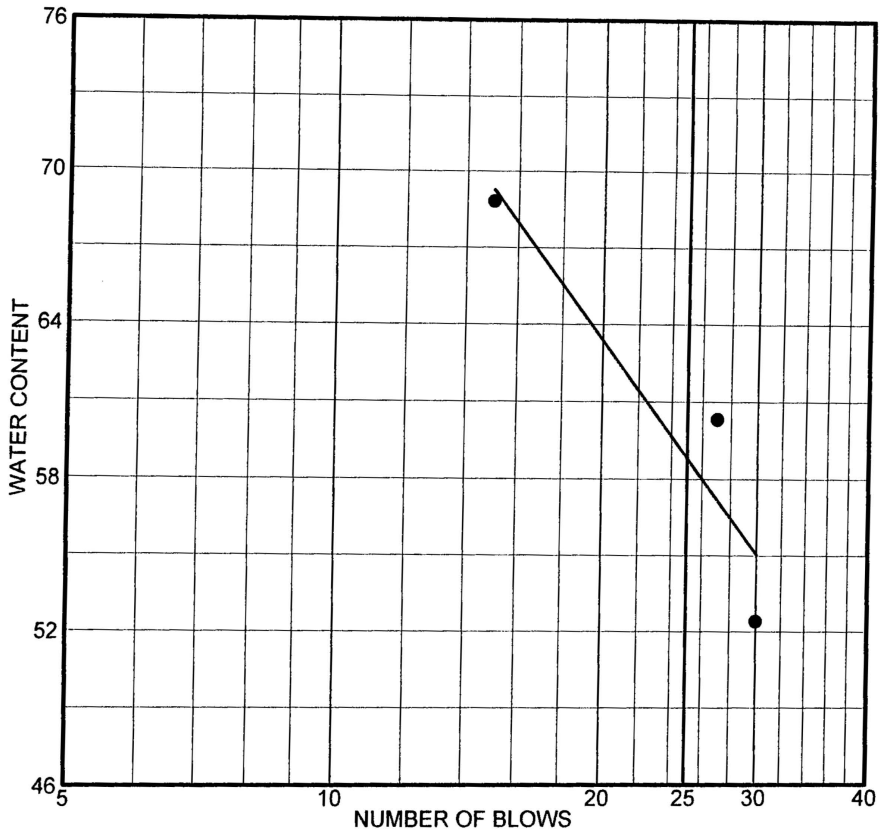
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

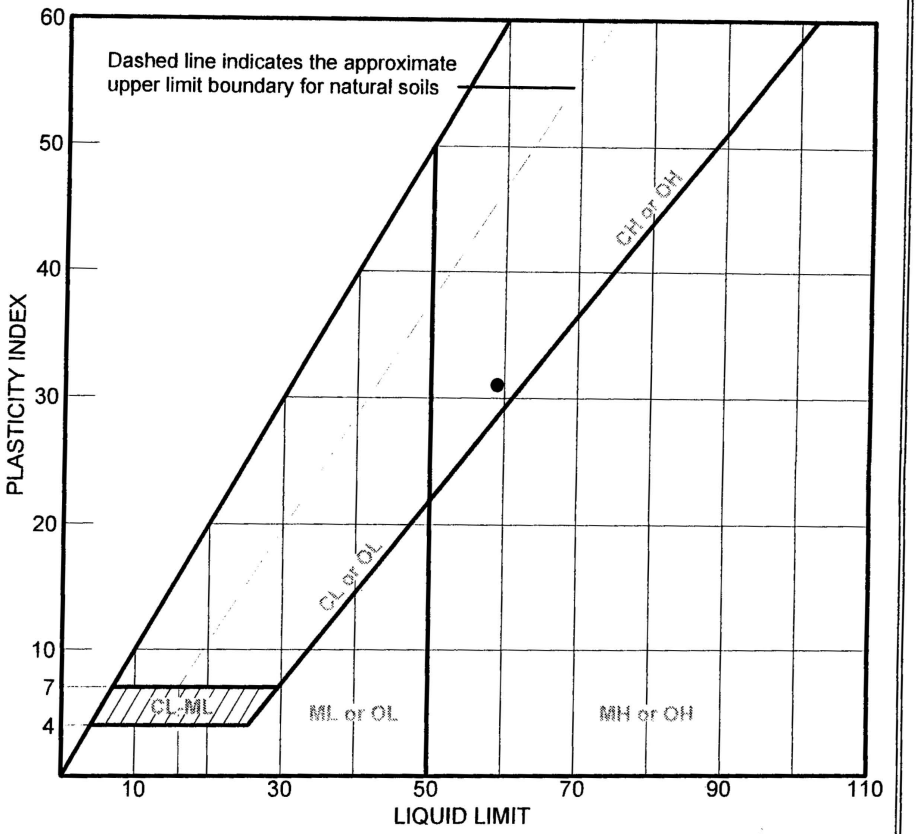
Sample Data

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

11/24/06

LIQUID AND PLASTIC LIMIT TEST DATA

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

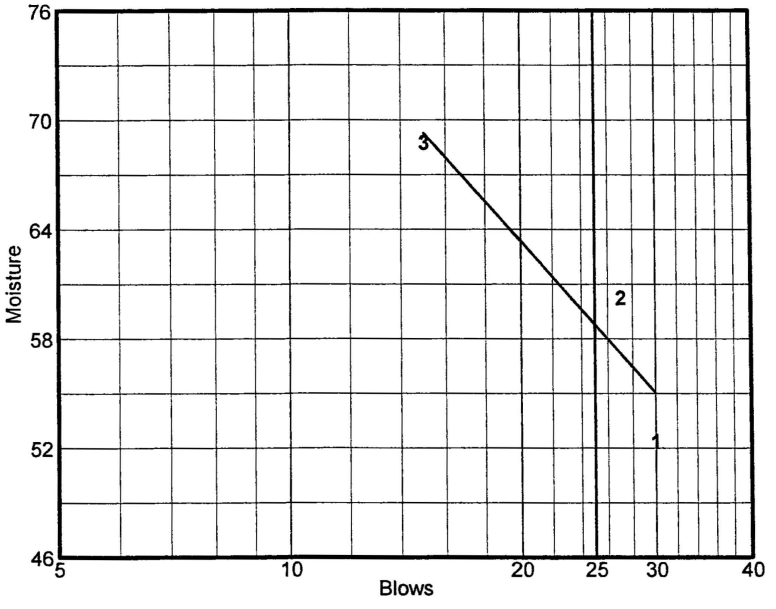
Sample Data

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			



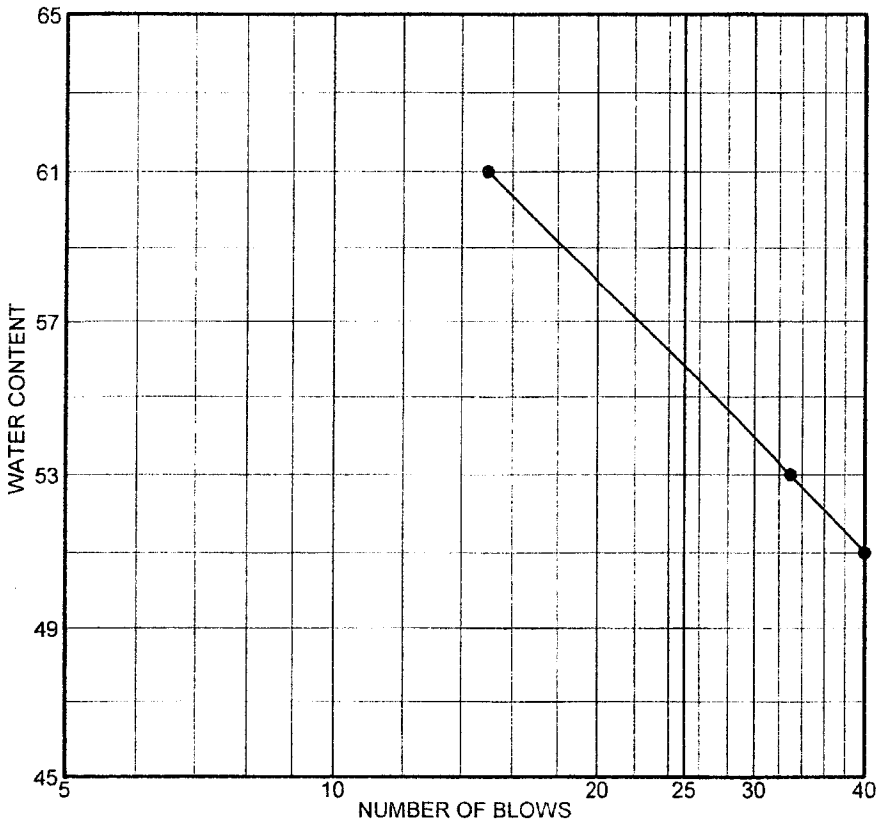
Liquid Limit= 59
Plastic Limit= 28
Plasticity Index= 31

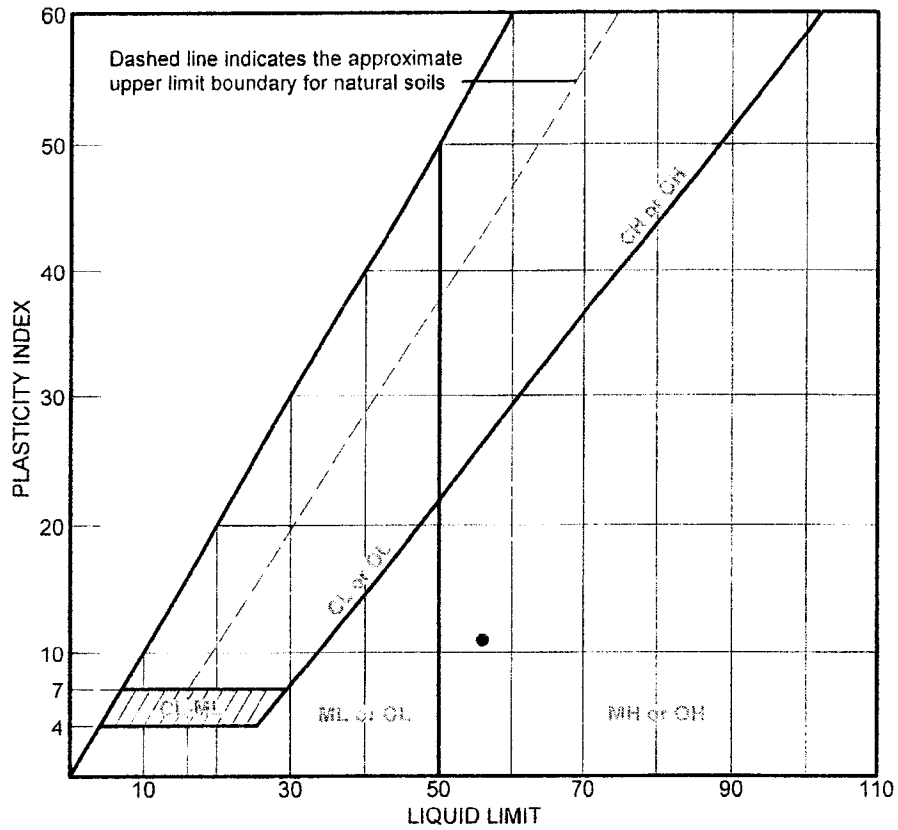
LIQUID AND PLASTIC LIMIT TEST DATA

Plastic Limit Data

Run No.	1	2	3	4	
Wet+Tare	26.84	25.13			
Dry+Tare	25.59	24.01			
Tare	21.24	20.03			
Moisture	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 12/22/06

LIQUID AND PLASTIC LIMIT TEST DATA

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

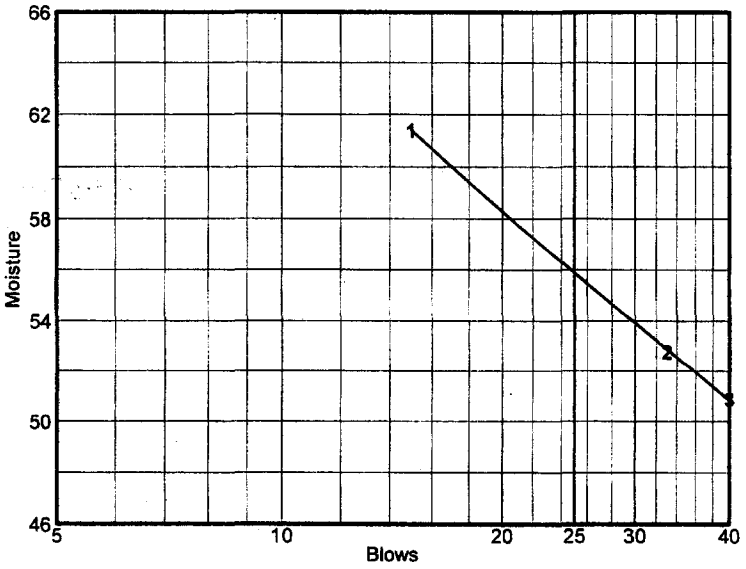
Sample Data

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
Wet+Tare	31.55	31.66	30.23			
Dry+Tare	27.29	27.85	26.96			
Tare	20.35	20.63	20.54			
# Blows	15	33	40			
Moisture	61.4	52.8	50.9			

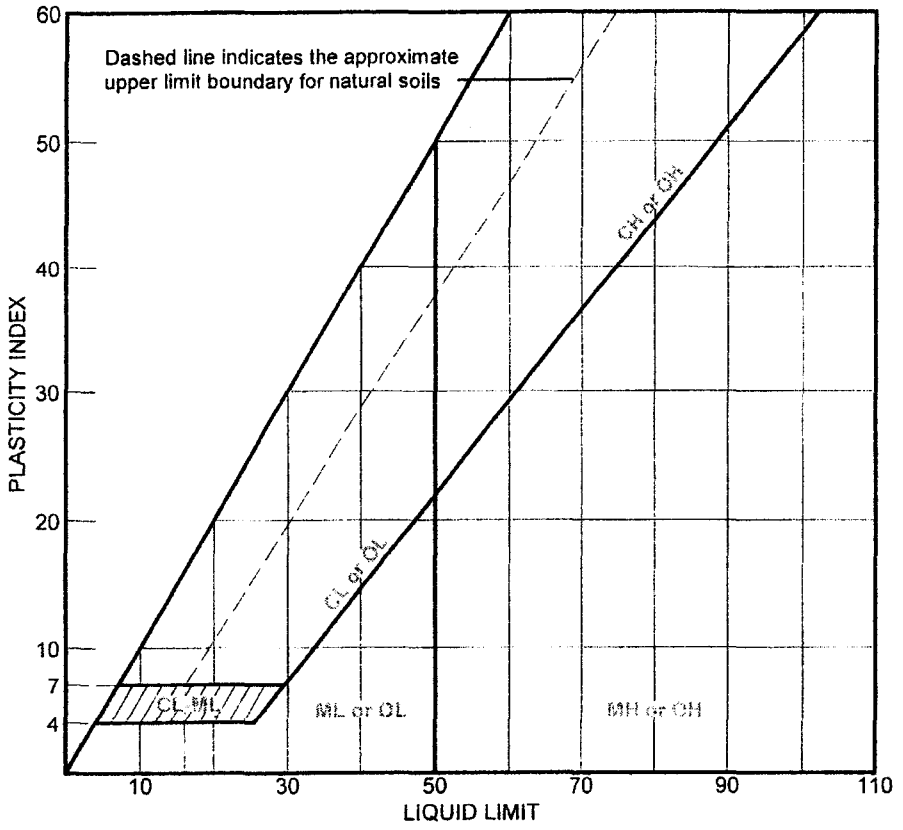


Liquid Limit= 56
Plastic Limit= 45
Plasticity Index= 11

Plastic Limit Data

Run No.	1	2	3	4	
Wet+Tare	27.75	27.30			
Dry+Tare	25.35	25.08			
Tare	20.00	20.14			
Moisture	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

JJ 12/12/06

LIQUID AND PLASTIC LIMIT TEST DATA

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

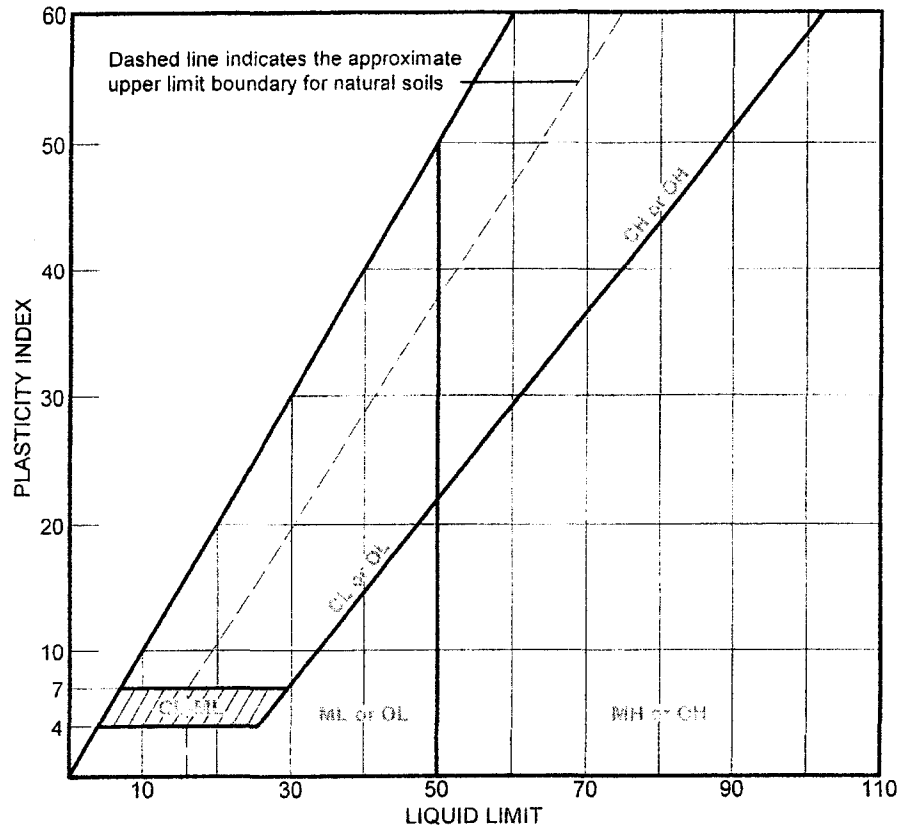
Sample Data

Source: B-209
Sample No.: UD-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

12/22/06

LIQUID AND PLASTIC LIMIT TEST DATA

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

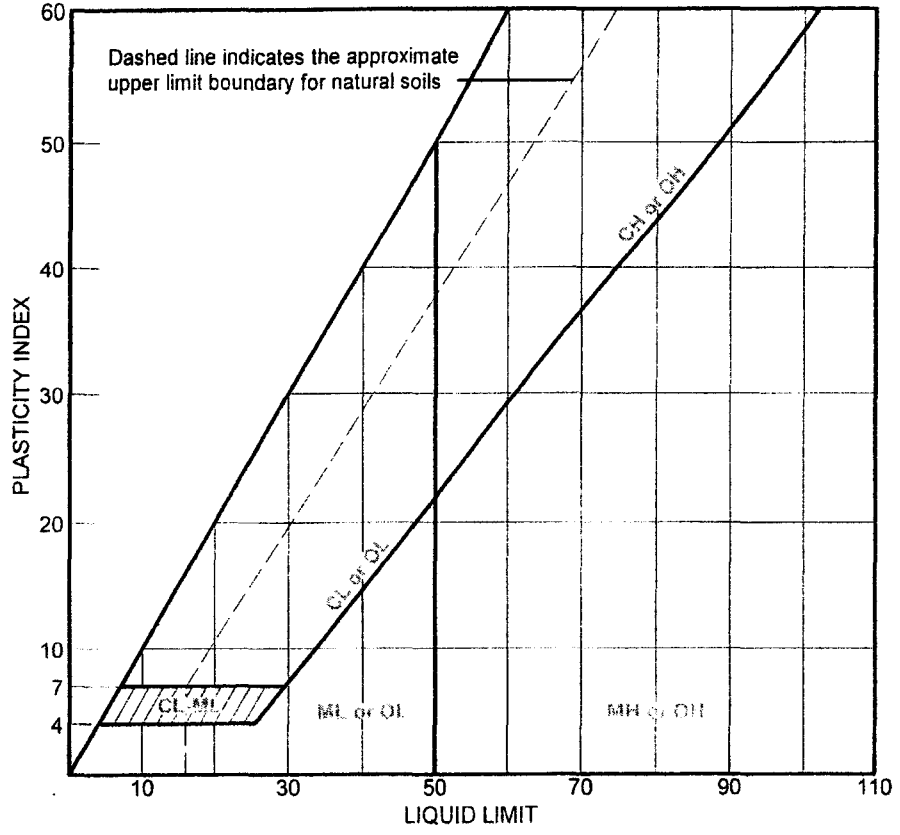
Sample Data

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

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

12/22/06

LIQUID AND PLASTIC LIMIT TEST DATA

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

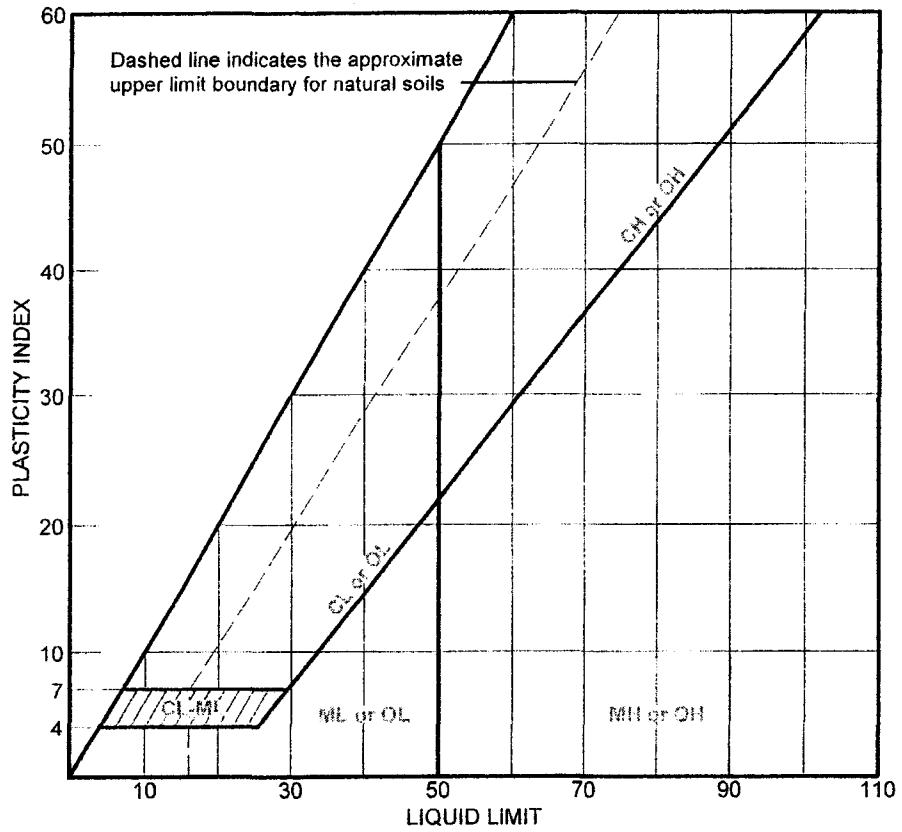
Sample Data

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

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

12/22/06

LIQUID AND PLASTIC LIMIT TEST DATA

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

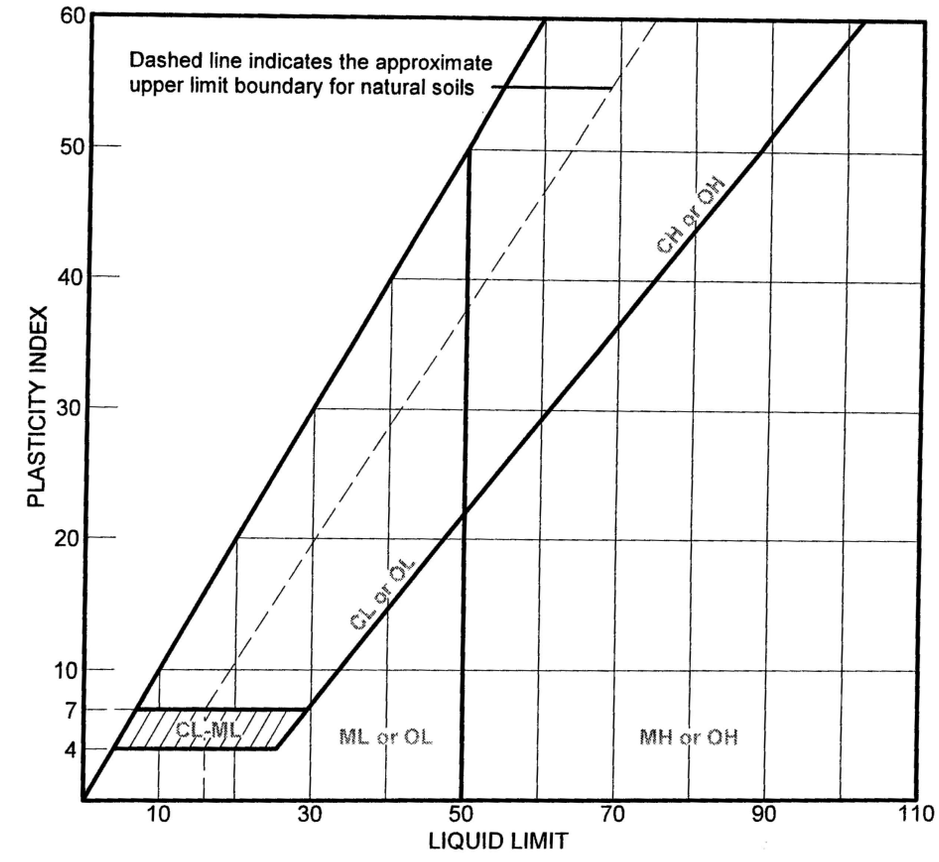
Sample Data

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 | 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

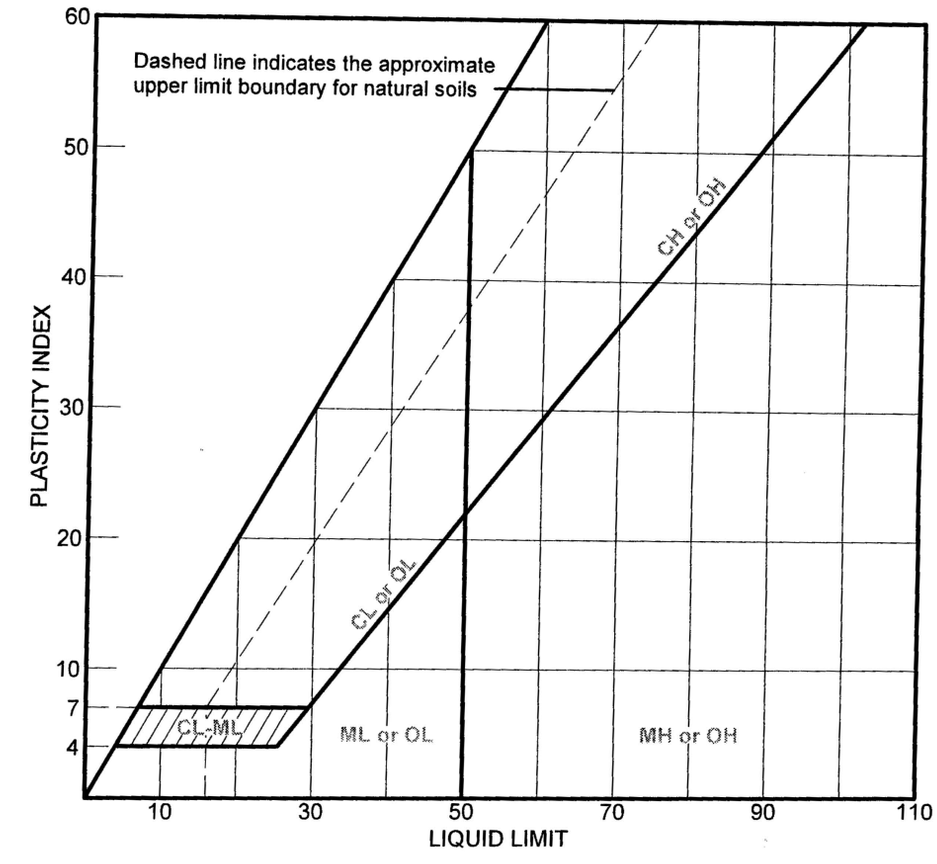
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-211
Sample No.: 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

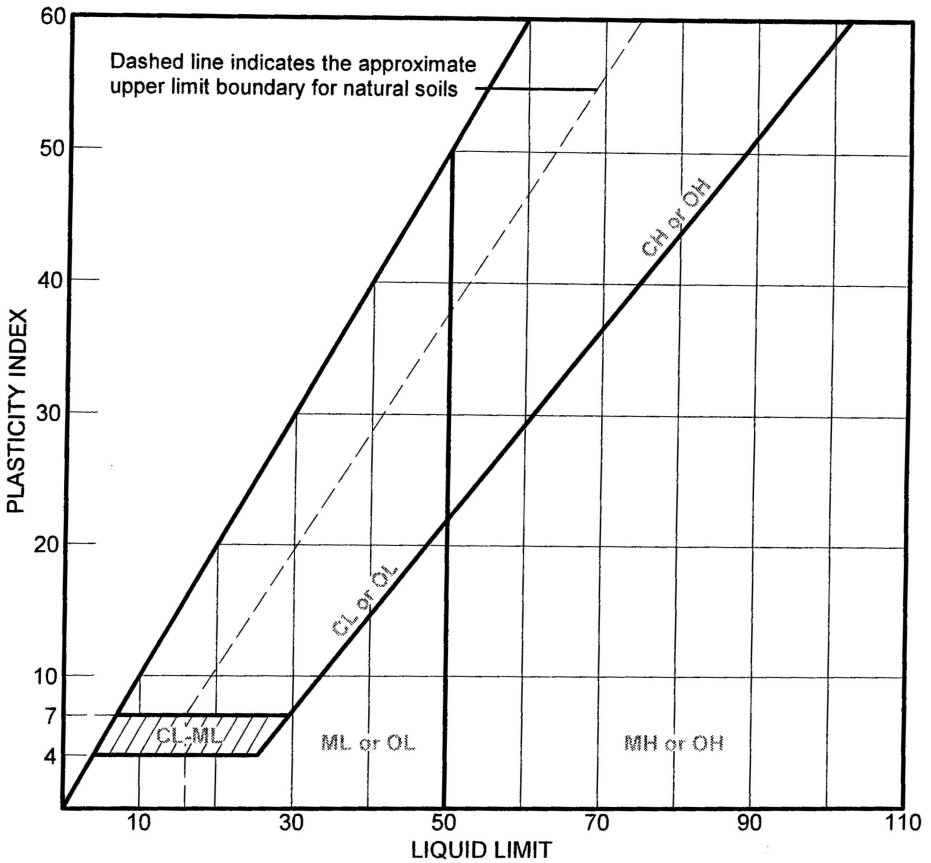
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

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 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	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 | 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

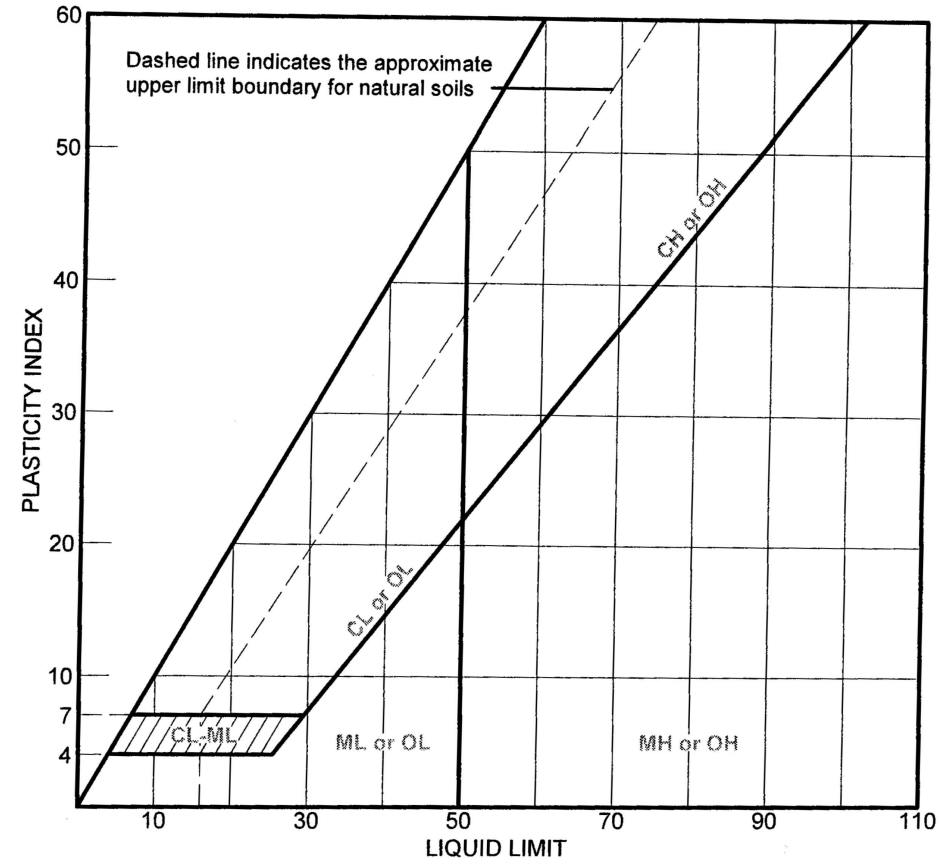
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-211
Sample No.: 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 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	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

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

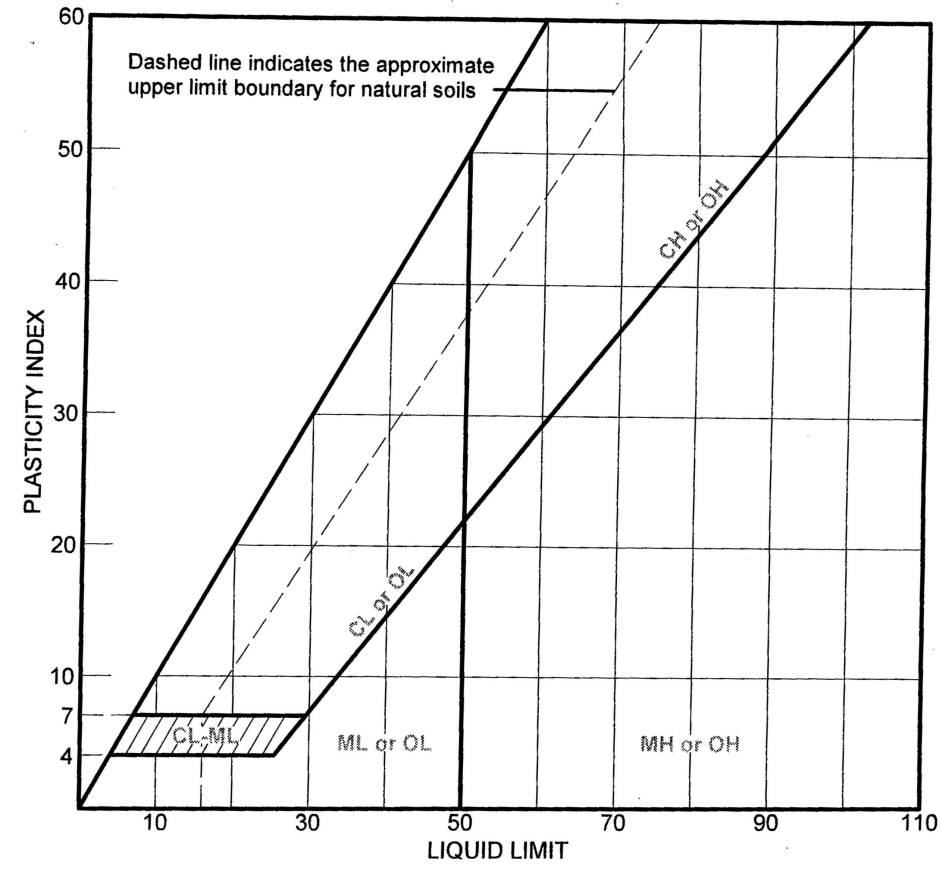
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-211
Sample No.: 8
Elev. or Depth: 18.5' **Sample Length(in./cm.):**
Location:
Description: SAND Silty (SM); Strong Brown, Very Micaceous
Date: 8/6/06 **Natural Moisture:** 22.6
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-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 | 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

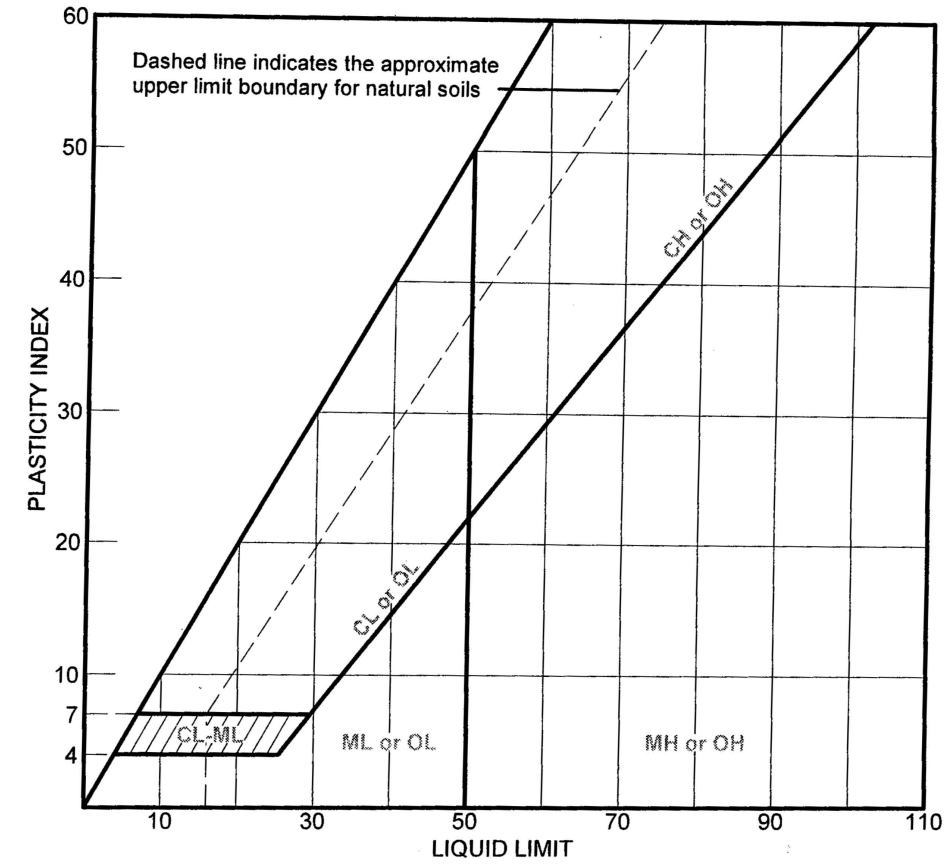
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-211
Sample No.: 10
Elev. or Depth: 28.5' **Sample Length(in./cm.):**
Location:
Description: SAND Silty (SM); Strong Brown, Very Micaceous
Date: 8/6/06 **Natural Moisture:** 26.0
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	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 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

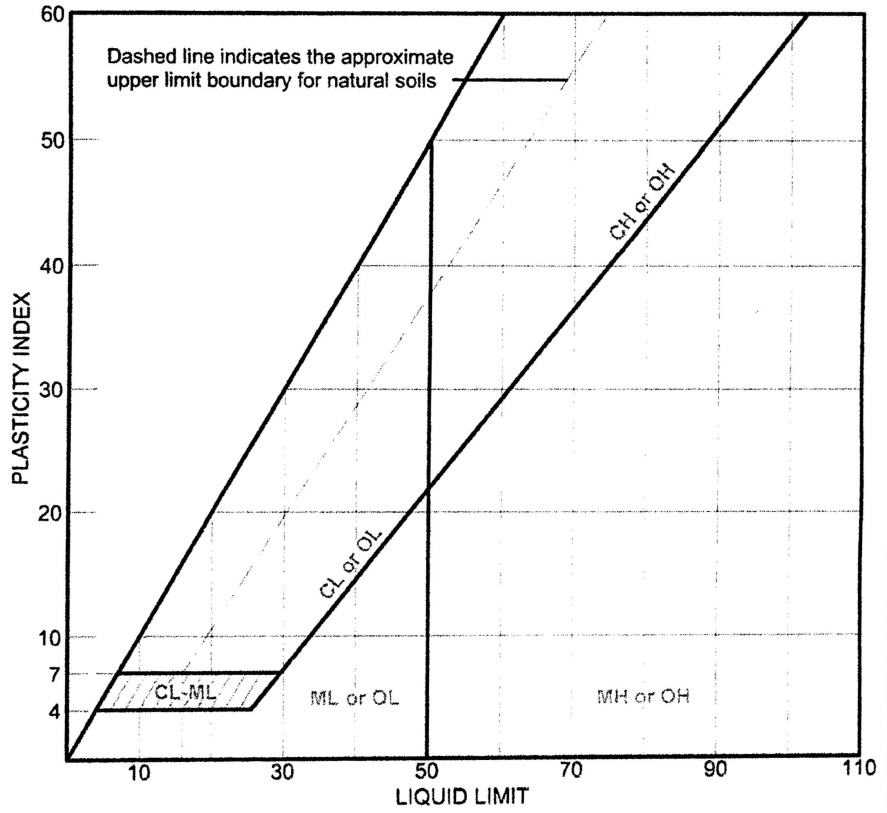
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-211
Sample No.: 12
Elev. or Depth: 38.5' **Sample Length(in./cm.):**
Location:
Description: SAND Silty (SM); Brown, Very Micaceous
Date: 8/6/06 **Natural Moisture:** 31.3
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-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

JM 11/24/06

LIQUID AND PLASTIC LIMIT TEST DATA

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

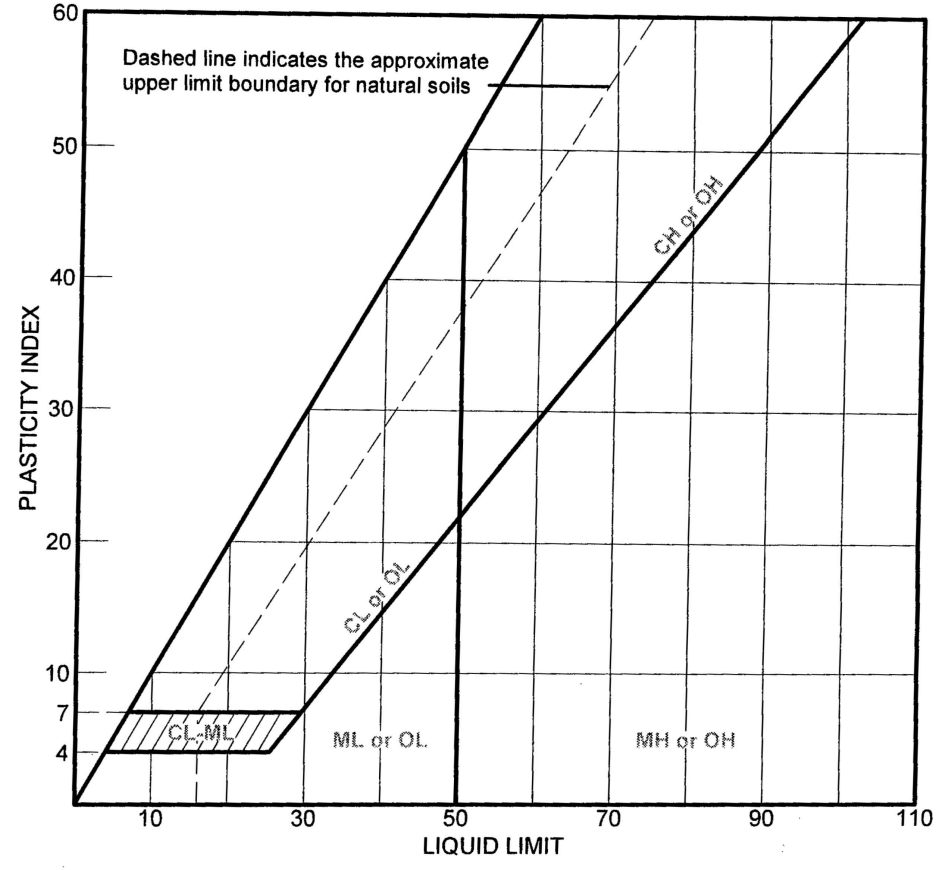
Sample Data

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 | 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

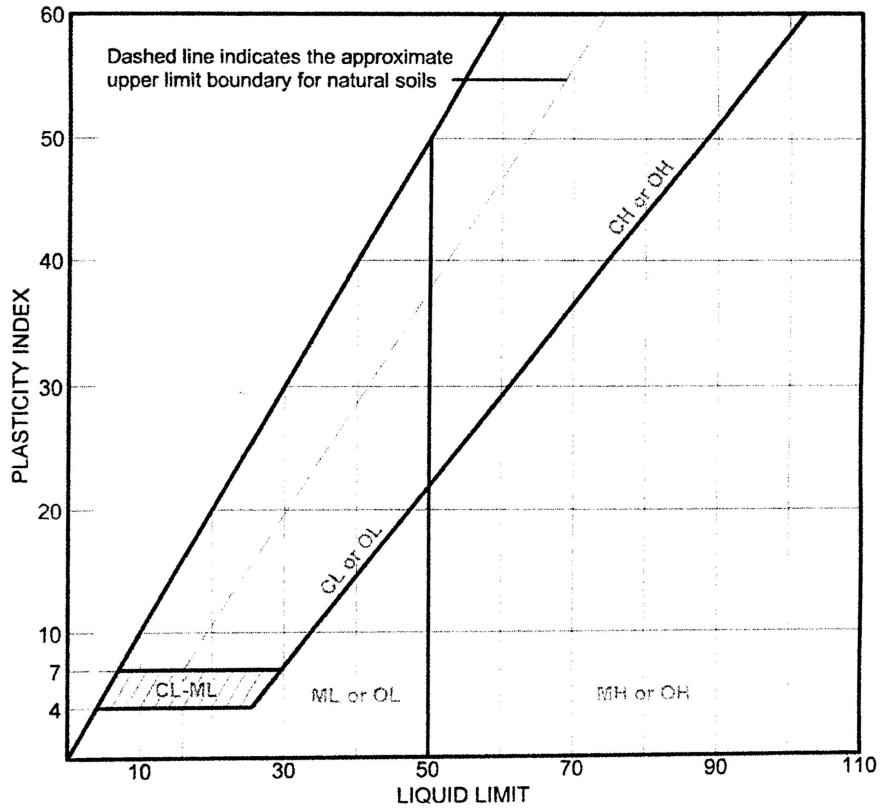
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-215
Sample No.: 5
Elev. or Depth: 11.0'
Sample Length(in./cm.):
Location:
Description: SAND Silty (SM); Strong Brown
Date: 8/6/06
Natural Moisture: 25.7
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-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

JH 11/24/06

LIQUID AND PLASTIC LIMIT TEST DATA

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

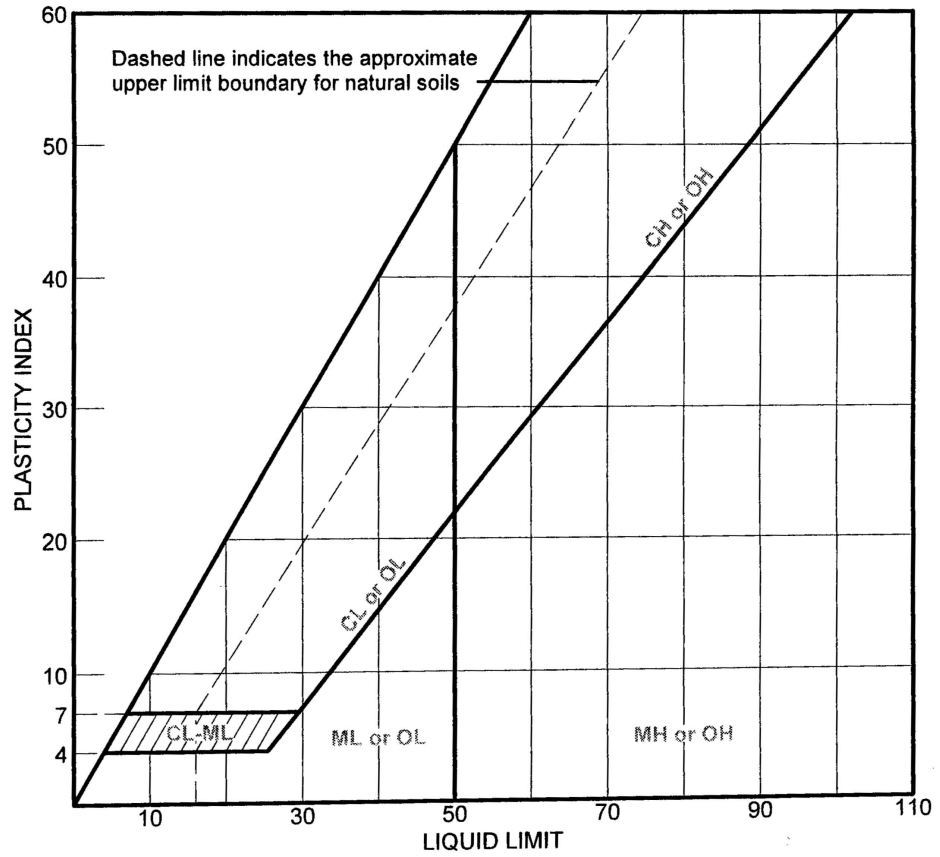
Sample Data

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 | Figure

MACTEC, INC.

Charlotte, North Carolina

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

JRS. 11-15-06

LIQUID AND PLASTIC LIMIT TEST DATA

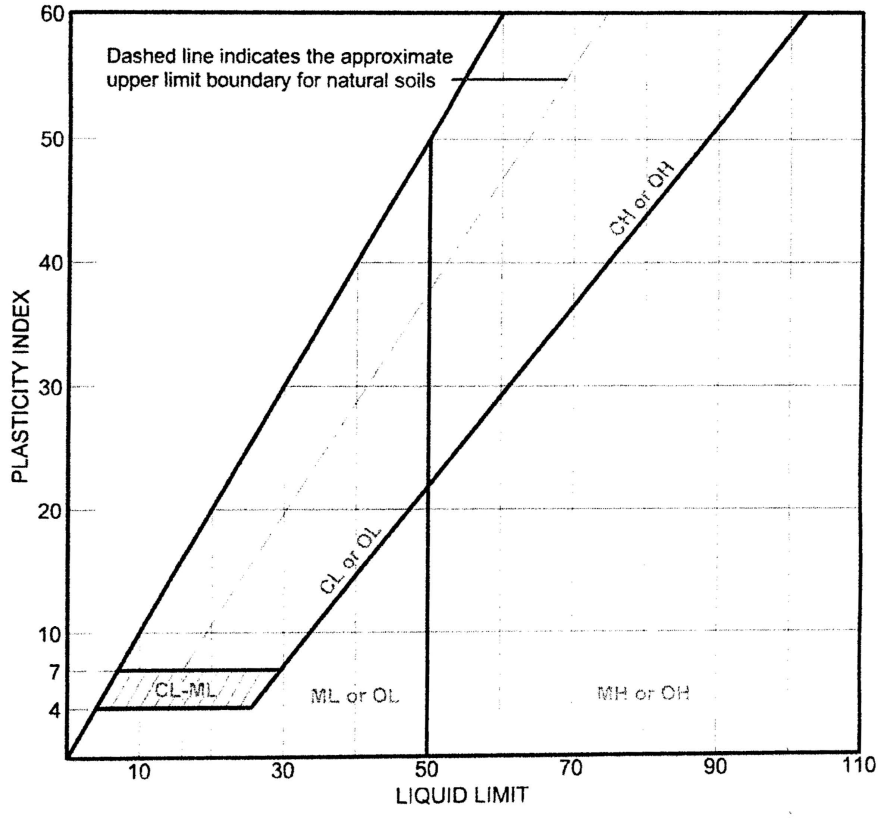
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

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

JH 11/20/06

LIQUID AND PLASTIC LIMIT TEST DATA

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

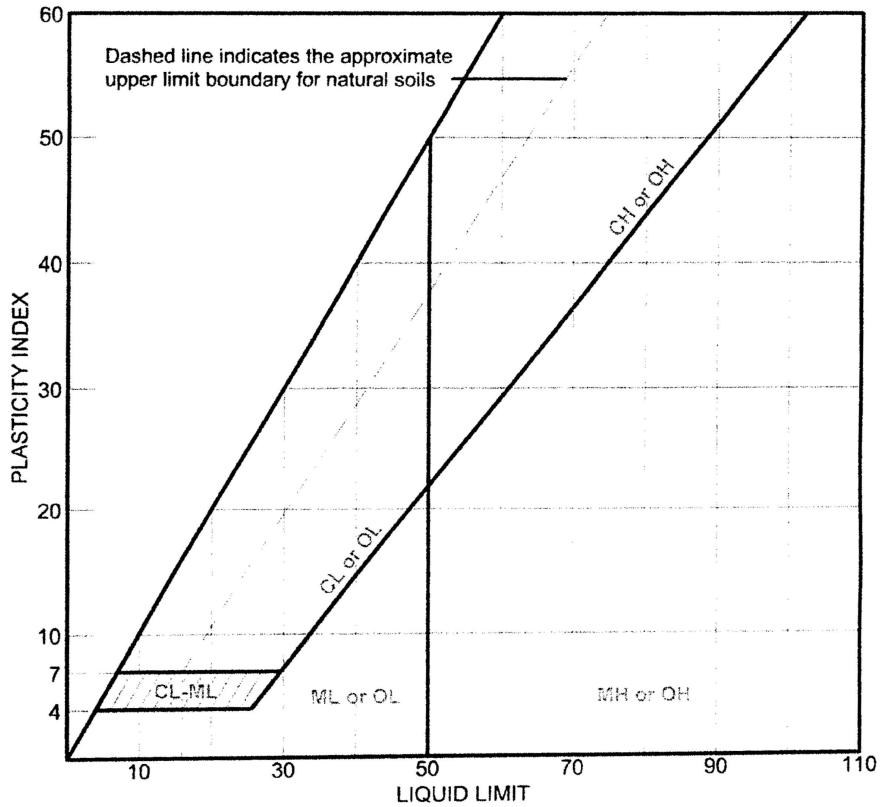
Sample Data

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

JH 12/24/06

LIQUID AND PLASTIC LIMIT TEST DATA

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

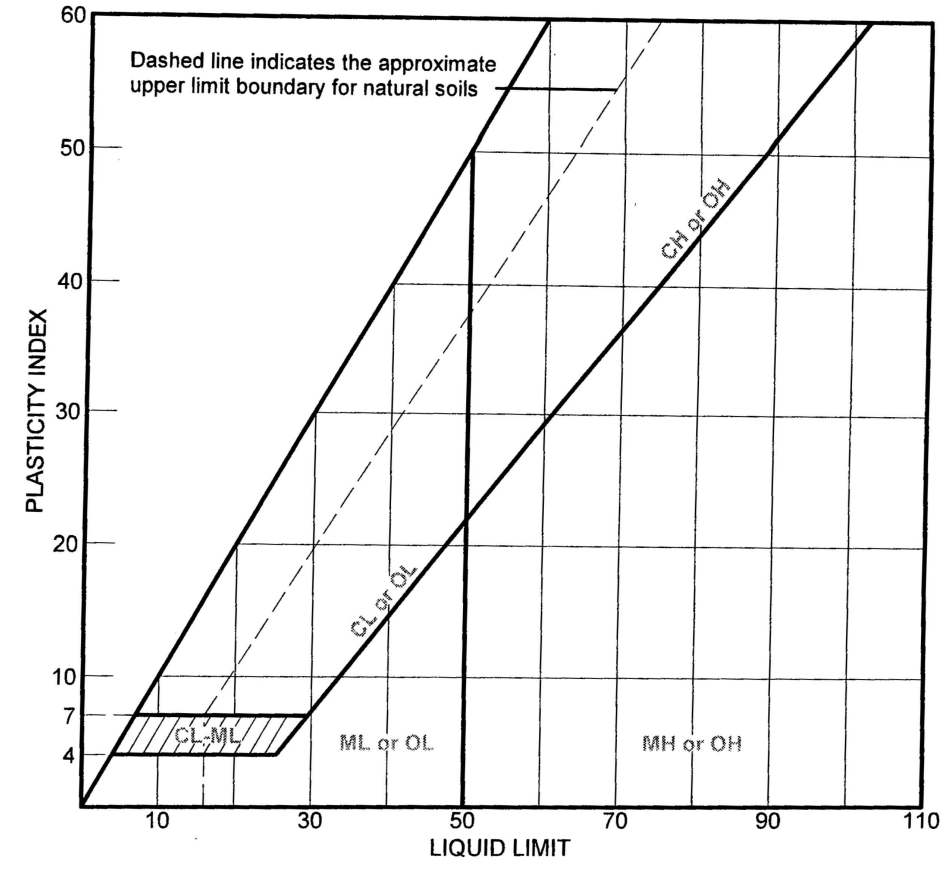
Sample Data

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

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

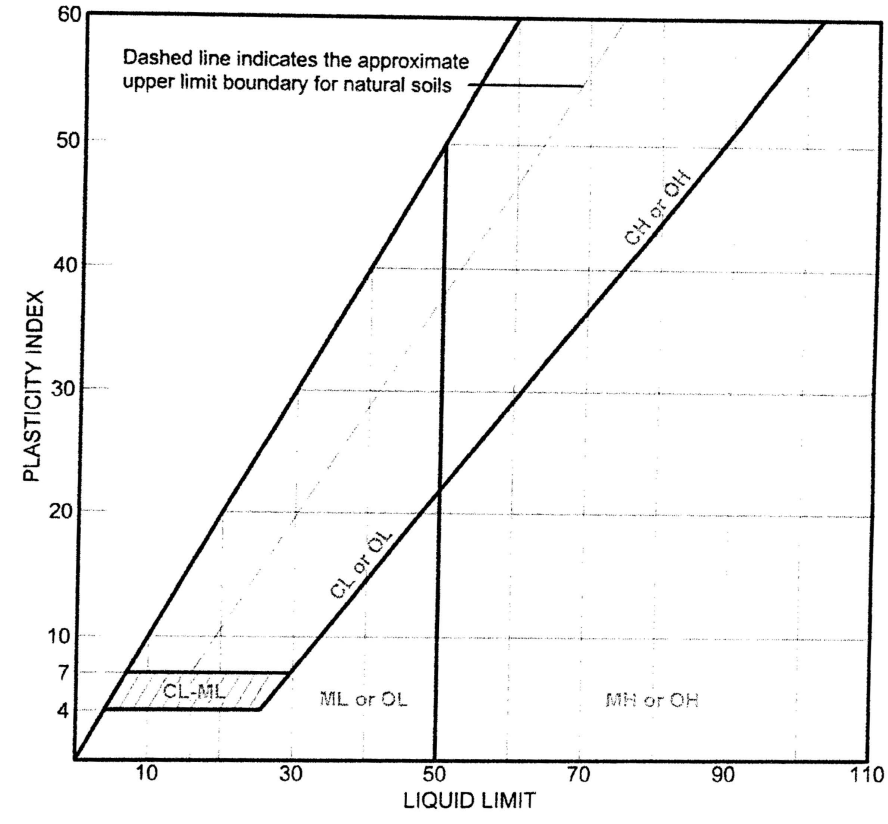
Client: Bechtel Power Corporation
Project: SCE&G COL
Project Number: 6234-06-3534

Sample Data

Source: B-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

JHR 11/24/06

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