

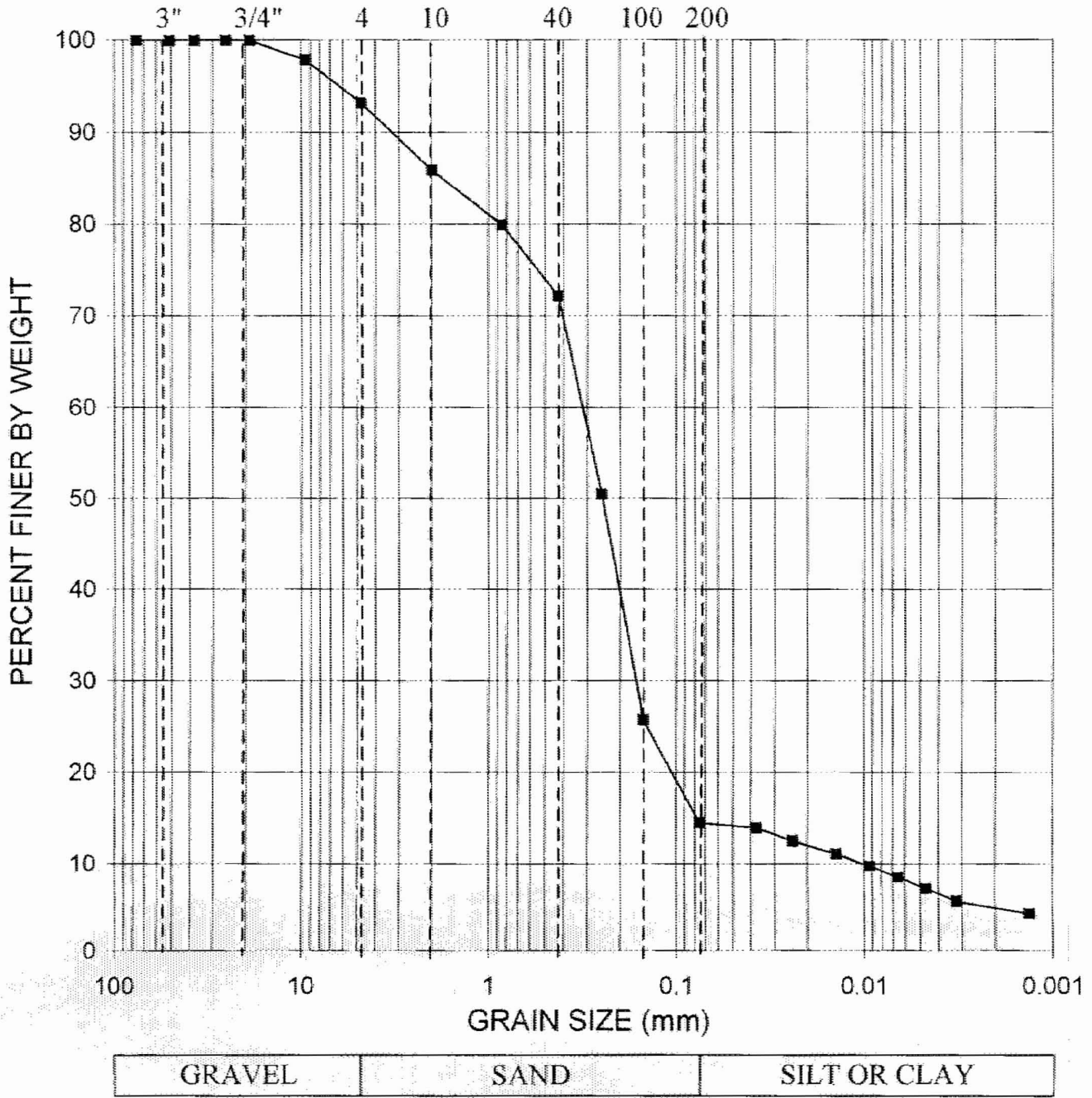
Number: 26

GENERAL INVESTIGATION

[Faint, mostly illegible text, possibly a list or report content]


[Faint text at the bottom of the page, possibly a signature block or footer]

U.S. Standard Sieve Nos.



GRAVEL SAND SILT OR CLAY

GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	1/16/2007
Boring No./ Sample No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-735/ C-16A	63.5-65.0, 68.5-70.0	Silty SAND, trace shells, dark gray	SM				

U.S. Bureau of Census



01 001

1974

1975

1976

1977

1978

1979

1980

1981

1982

1983

1984

1985

1986

1987

1988

1989

1990

1991

1992

1993

1994

1995

1996

1997

1998

1999

2000

2001

2002

2003

2004

2005

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

2020

2021

2022

2023

2024

2025

2026

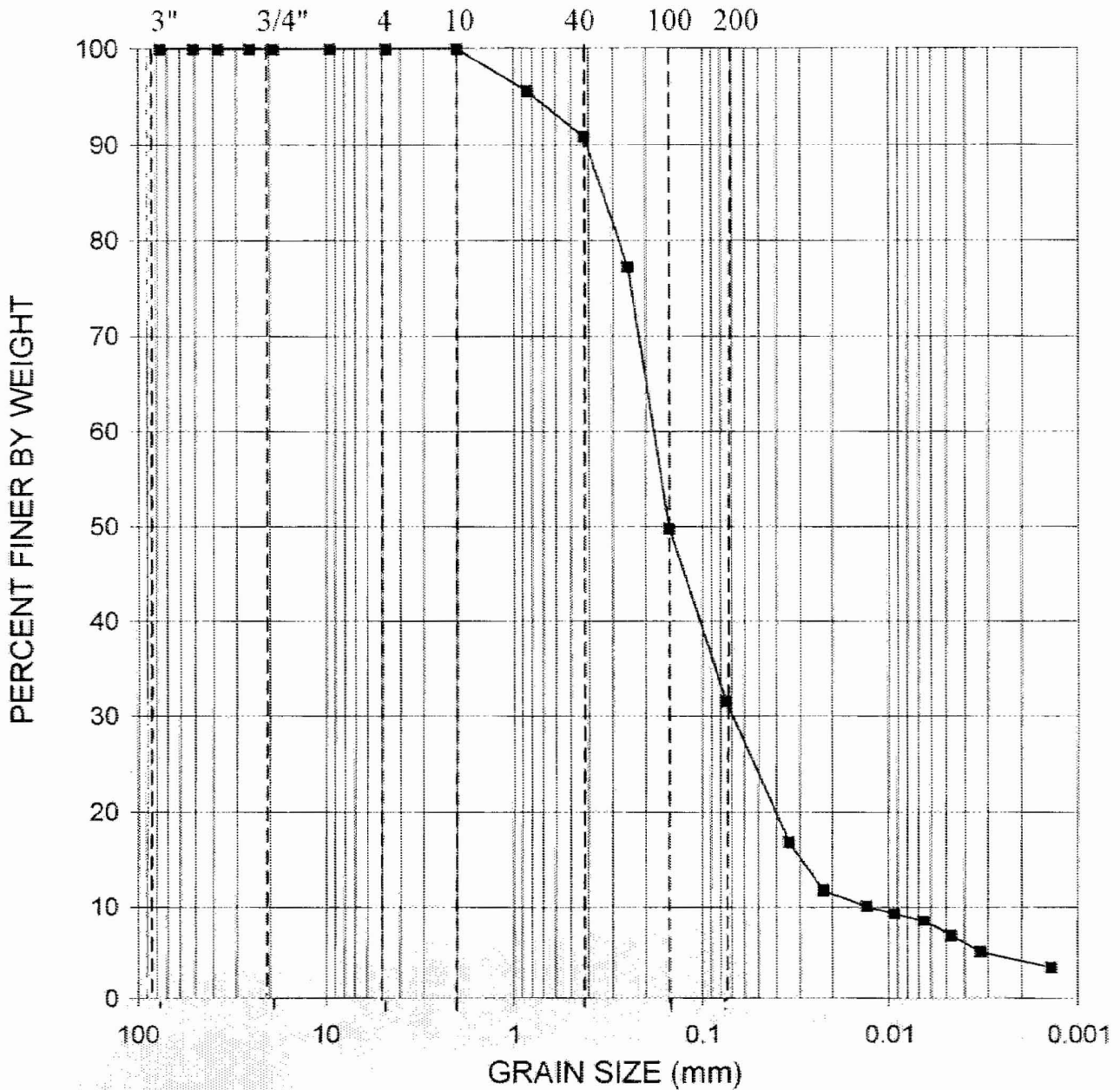
2027

2028

2029

2030

U.S. Standard Sieve Nos.



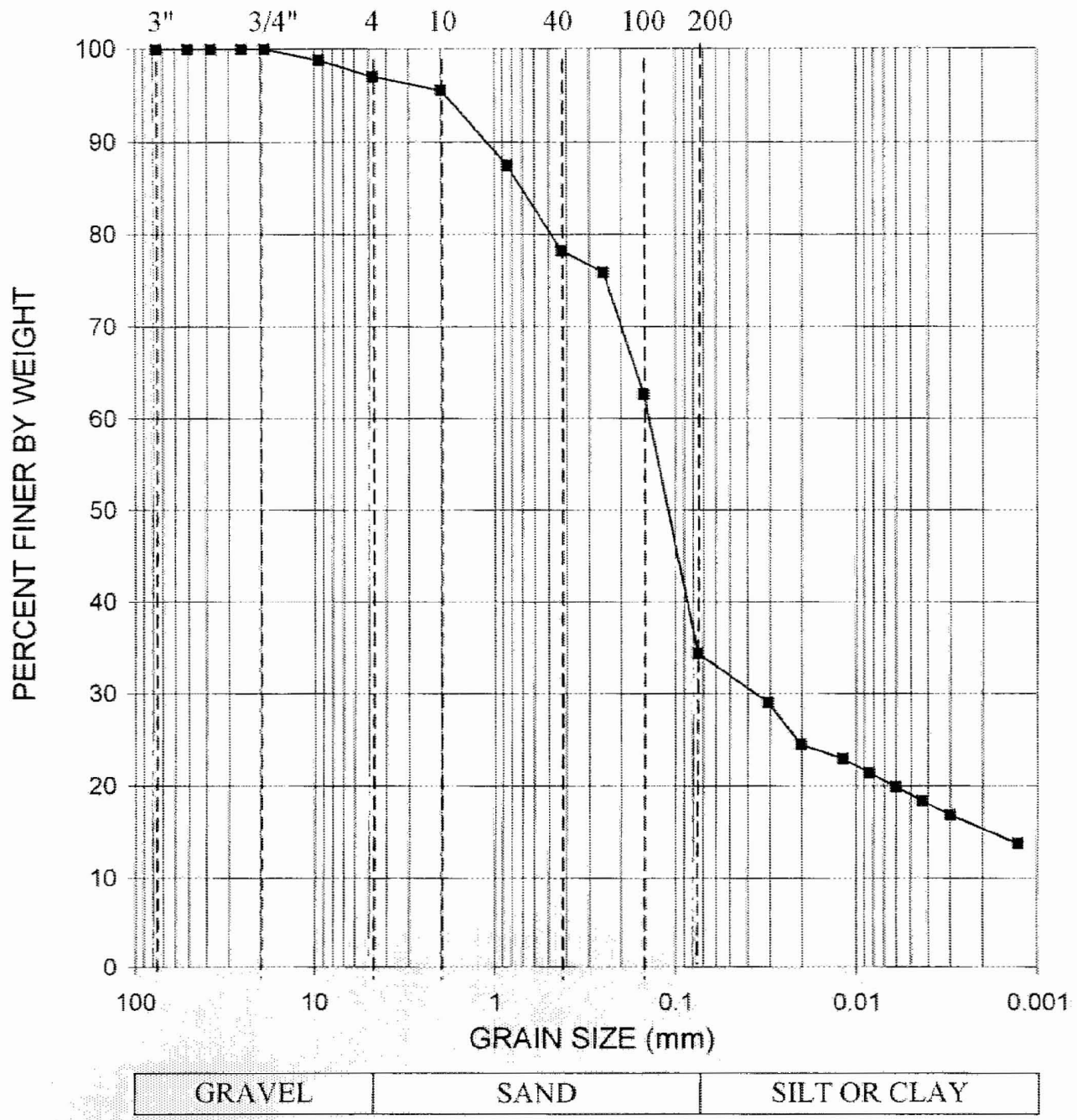
GRAVEL	SAND	SILT OR CLAY
--------	------	--------------

GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland	Contract No.: 06120048.00	Date: 1/16/2007
Boring No./ Sample No.	Depth (ft)	Sample Description	Class. LL PI
B-744/C-17A	48.5-50.0, 53.5-55.0	Silty SAND, contains shells, dark gray	SM



U.S. Standard Sieve Nos.



GRAVEL	SAND	SILT OR CLAY
--------	------	--------------

GRADATION CURVE
ASTM D422

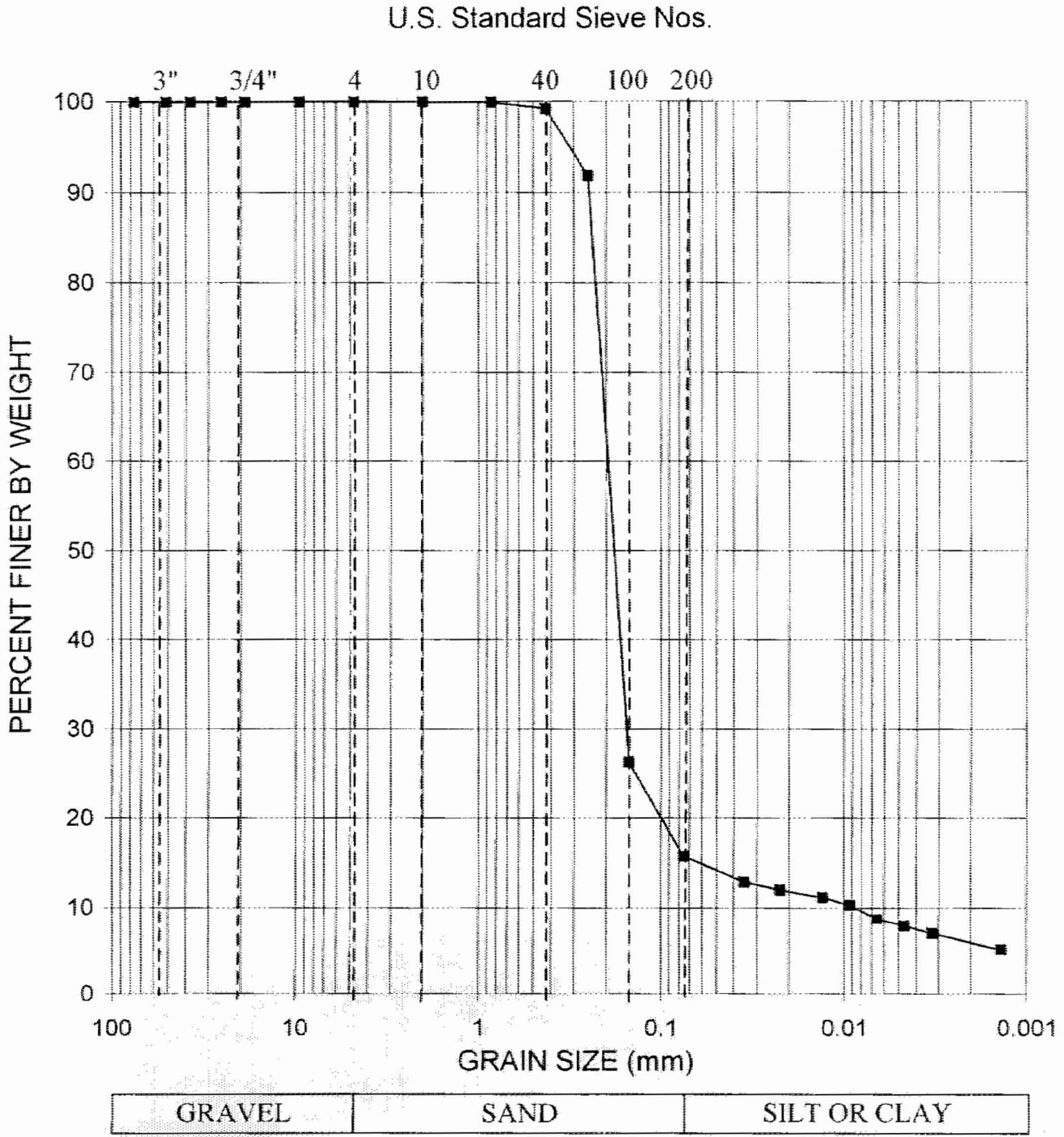
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	1/16/2007
Boring No./ Sample No.	Depth (ft)	Sample Description	Class.	LL	PI		
B-756/ C-18A	33.5-35.0, 38.5-40.0	Clayey SAND, trace gravel, orange-brown	SC				



1. The graph shows the temperature of a substance as it is heated. The temperature increases rapidly at first, then more slowly as it approaches a constant value. This constant value is the boiling point of the substance.

2. The graph shows the temperature of a substance as it is cooled. The temperature decreases rapidly at first, then more slowly as it approaches a constant value. This constant value is the freezing point of the substance.

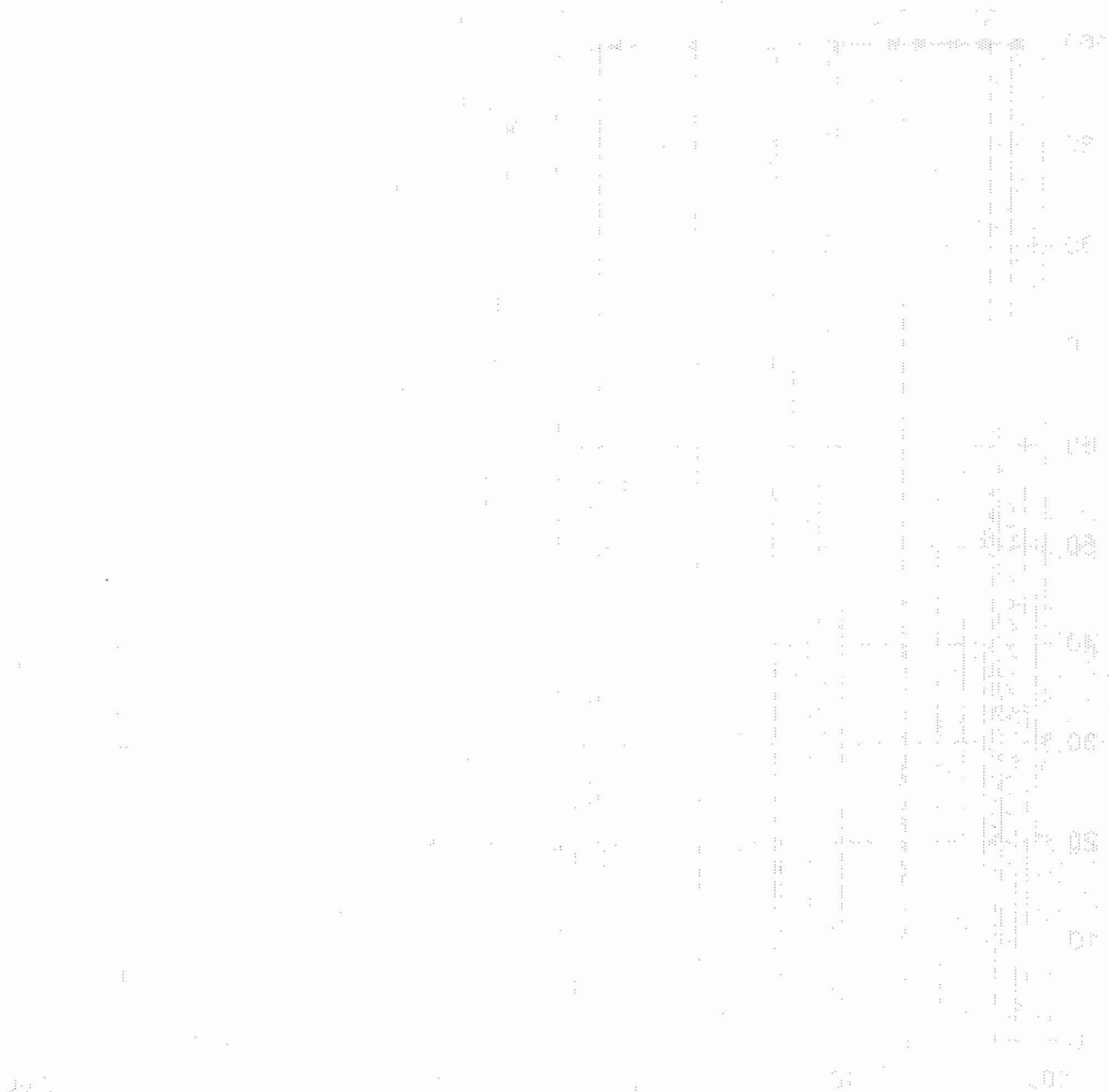
Time	Temperature
0	0
10	15
20	40
30	60
40	75
50	85
60	90
70	92
80	94
90	95
100	95



GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland		Contract No.:	06120048.00	Date:	1/16/2007
Boring No./ Sample No.	Depth (ft)	Sample Description	Class.	LL	PI	
B-768/ C-19A	43.5-45.0	Silty SAND, dark gray	SM			

STATION 100



STATION 100

100

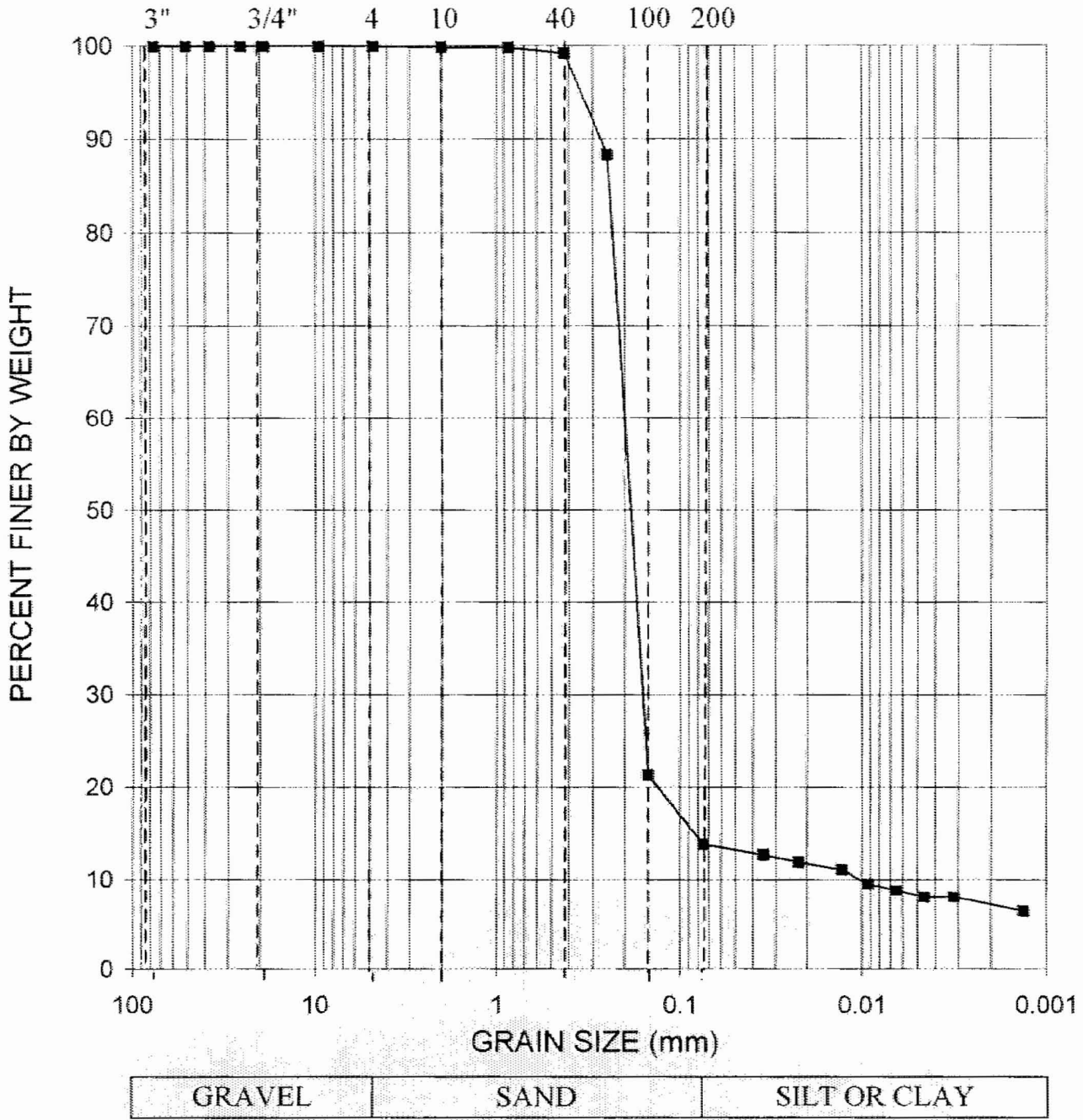
100

100

100
100
100

100	100	100	100
100	100	100	100
100	100	100	100
100	100	100	100

U.S. Standard Sieve Nos.



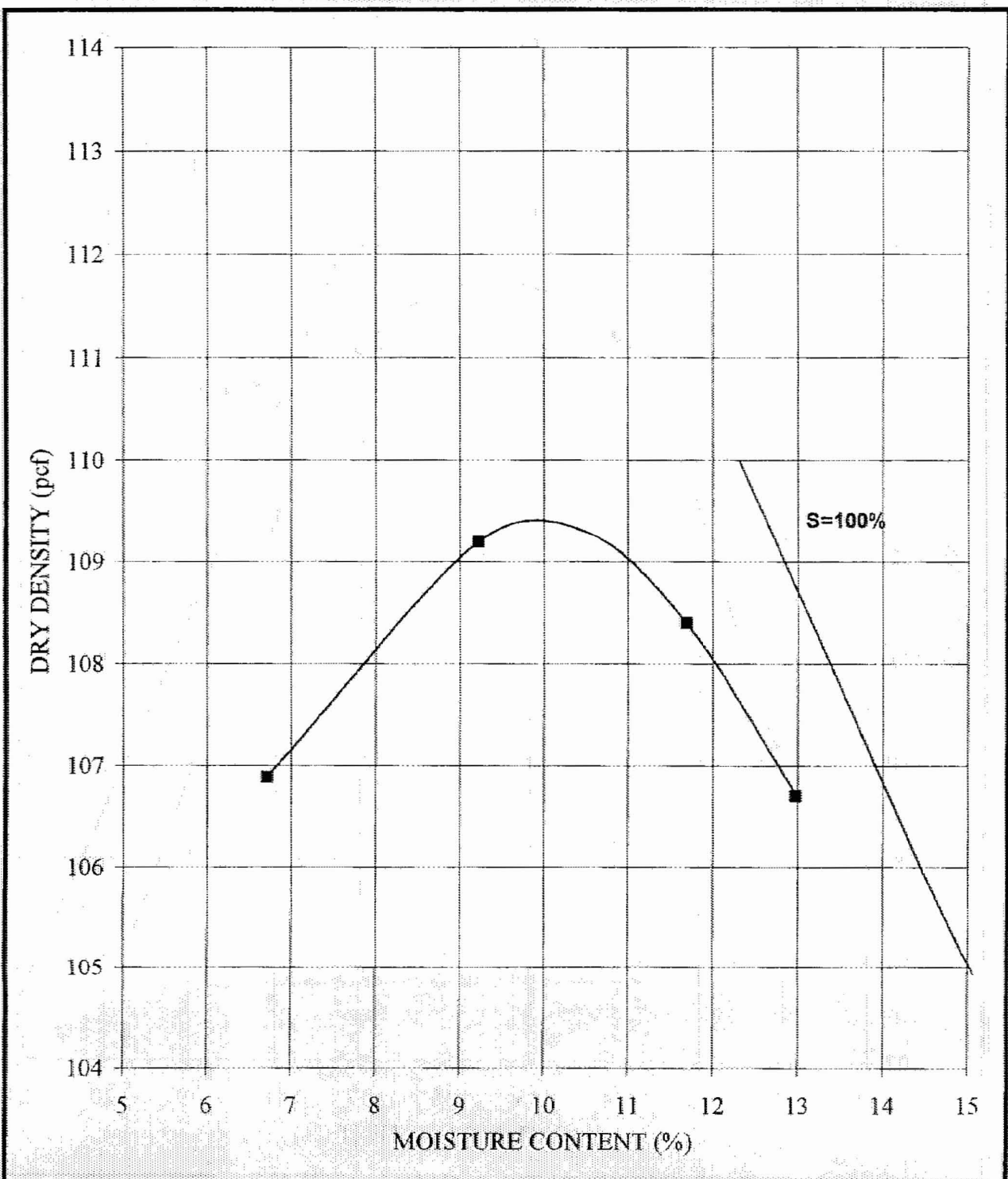
GRADATION CURVE
ASTM D422

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland		Contract No.:	06120048.00	Date:	1/16/2007
Boring No./ Sample No.	Depth (ft)	Sample Description	Class.	LL	PI	
B-769/C-20A	43.5-45.0, 48.5-50.0	Clayey SAND, dark gray	SC			


MOISTURE DENSITY RELATIONSHIPS

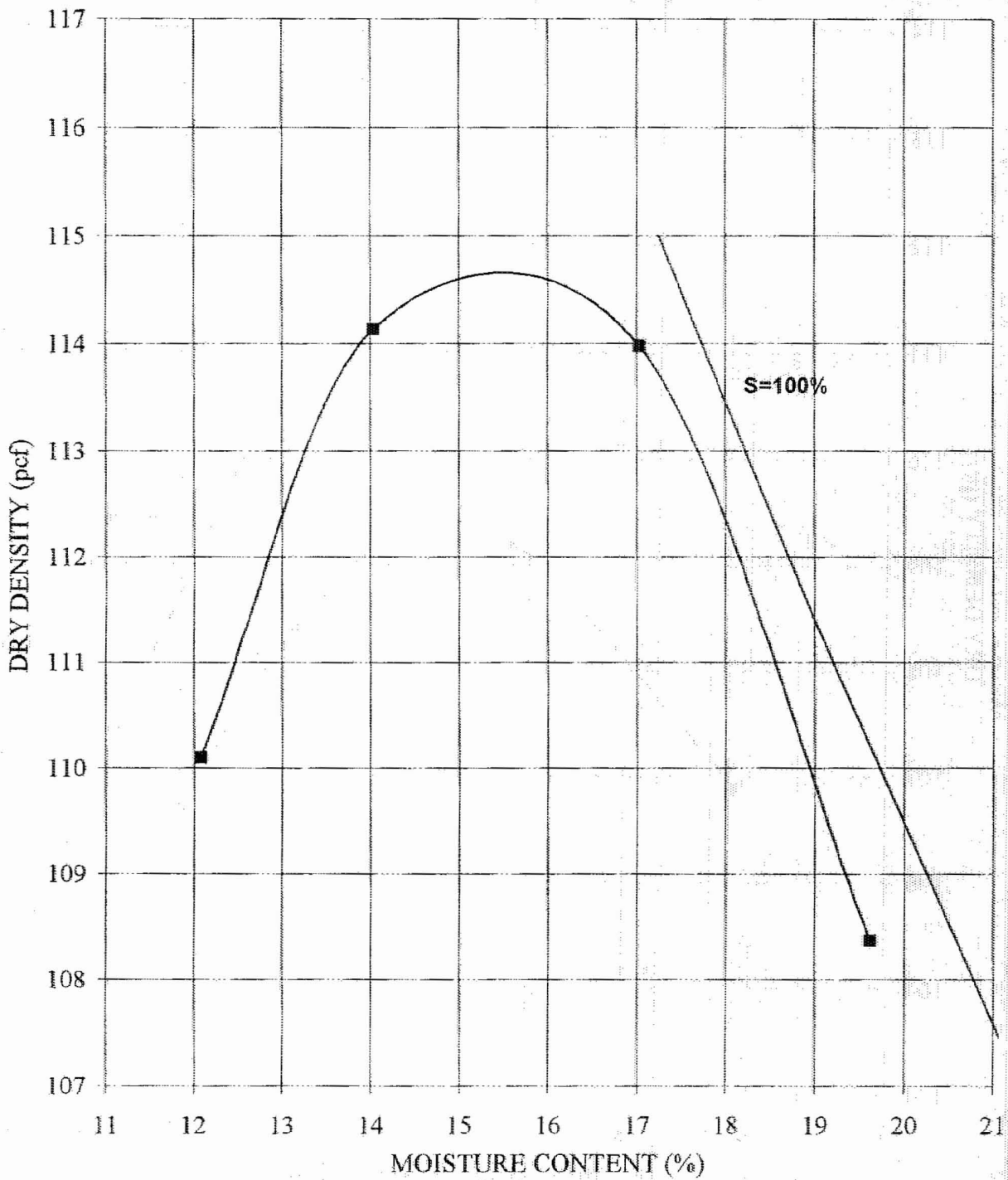
1. The first part of the document discusses the importance of maintaining accurate records of all transactions.

2. The second part of the document discusses the importance of maintaining accurate records of all transactions.




MOISTURE-DENSITY RELATION
ASTM D-1557 Method A

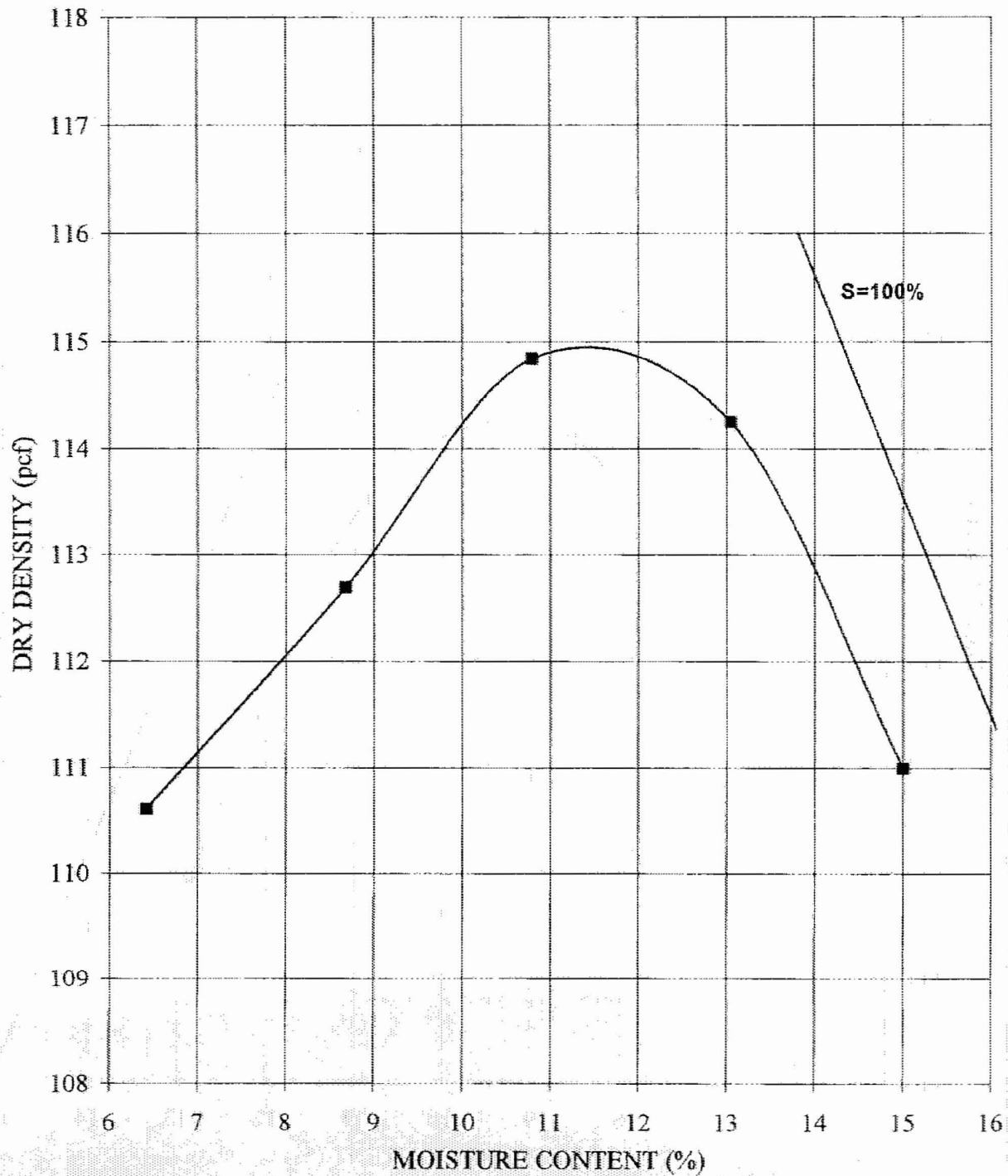
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/14/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
TP-B-307	4.5-5.5	Poorly Graded SAND, with silt, brown	SP-SM					
Assumed Specific Gravity:	2.25	% Passing 3/4" Sieve:	100.0					
		% Passing #4 Sieve:	100.0					
Maximum Dry Density (pcf):	109.3	Optimum Moisture Content (%):	10.5					



MOISTURE-DENSITY RELATION


ASTM D-1557 Method A

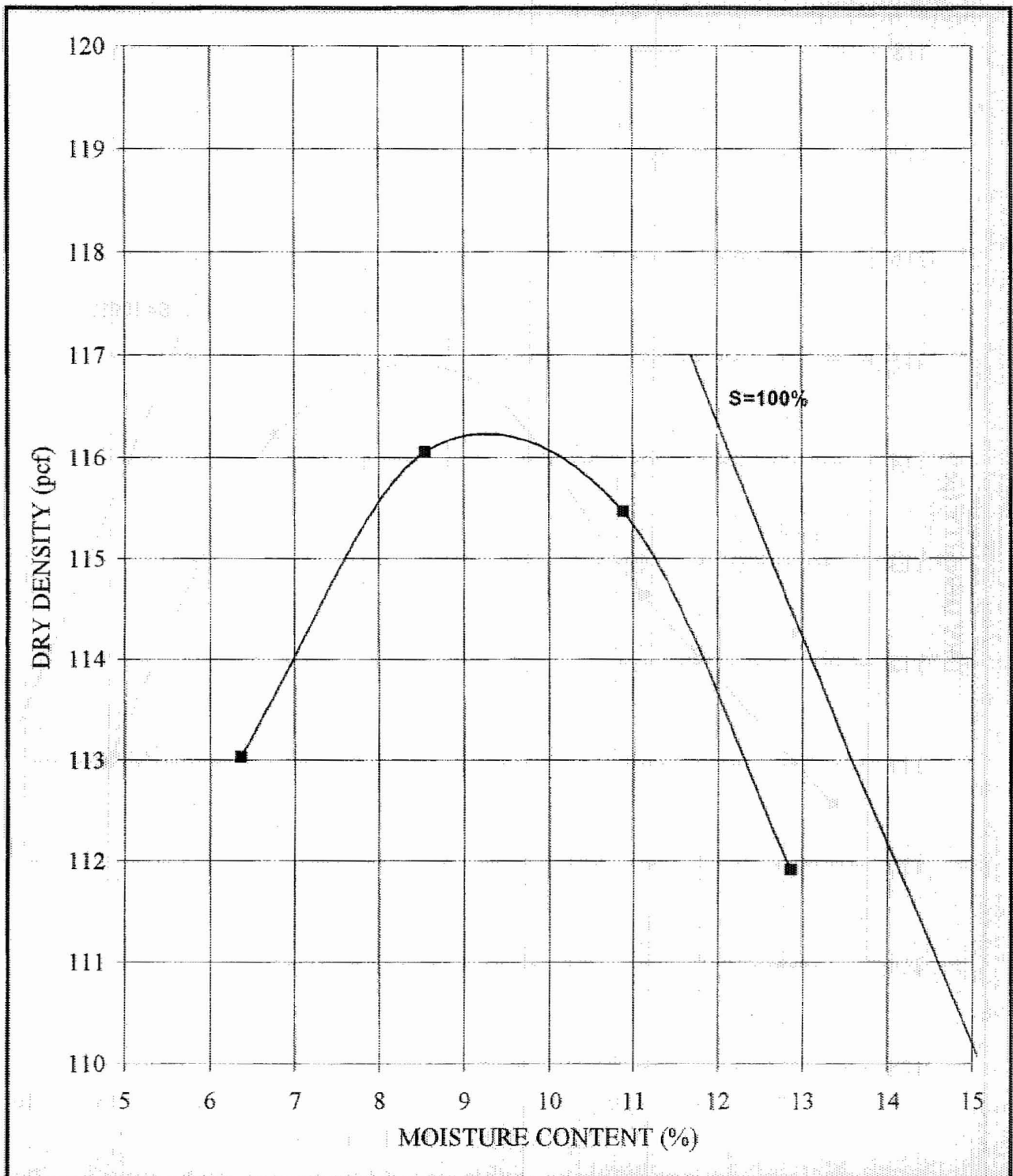
Project:		Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:		06120048.00	Date:	9/26/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI					
TP-B-314	4.0-5.0	FAT CLAY, trace sand, gray-brown	CH	71	47					
Assumed Specific Gravity:		2.70	% Passing 3/4" Sieve:		100.0					
Maximum Dry Density (pcf):		114.6	Optimum Moisture Content (%):		15.5					



MOISTURE-DENSITY RELATION


ASTM D-1557 Method A

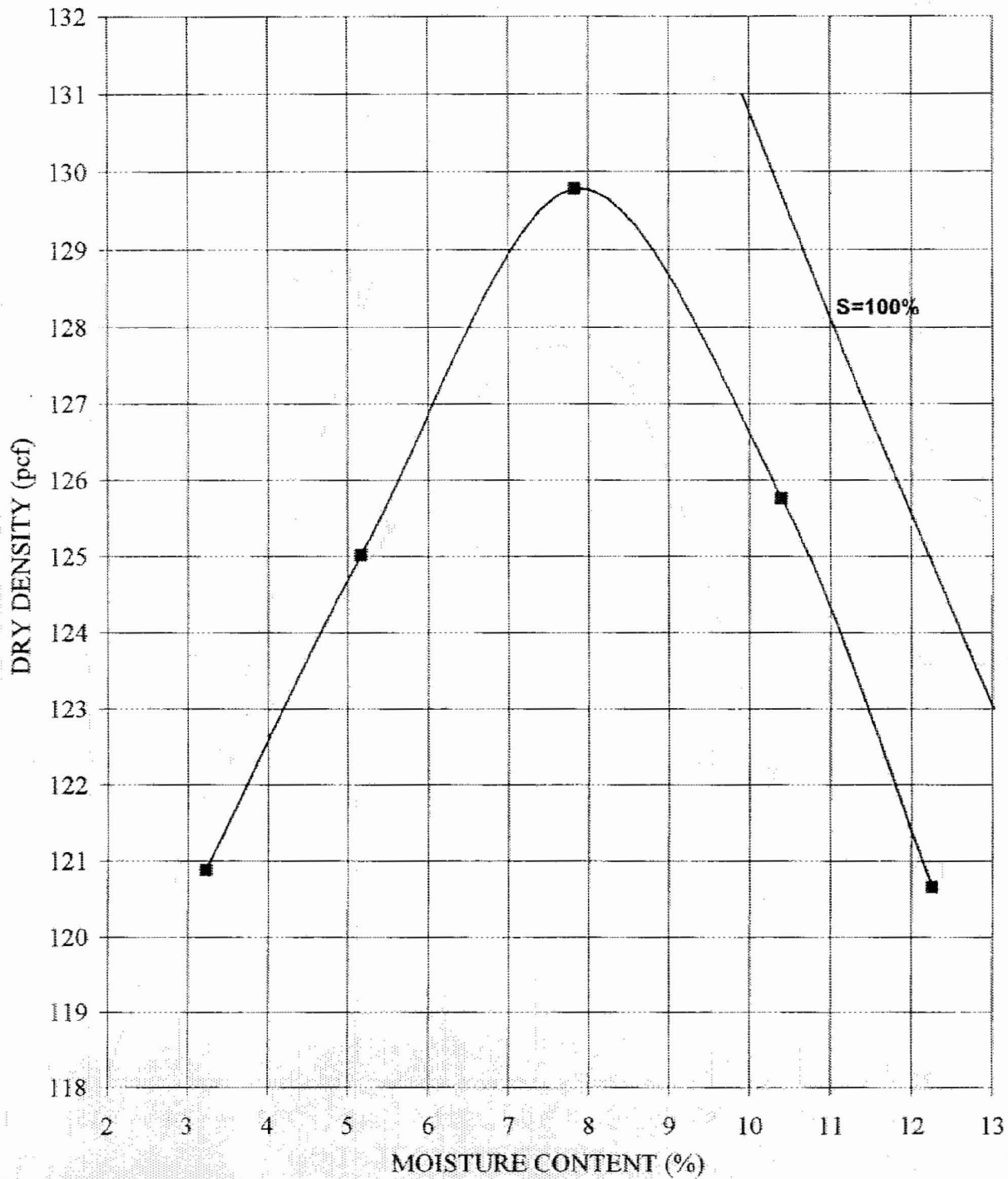
Project:		Constellation Energy Group COLA Project Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/14/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI			
TP-B-315	6.0-7.0	Poorly Graded SAND, with silt, tan	SP-SM					
Assumed Specific Gravity:	2.50	% Passing 3/4" Sieve:	100.0					
		% Passing #4 Sieve:	99.8					
Maximum Dry Density (pcf):	114.9	Optimum Moisture Content (%):	11.4					



MOISTURE-DENSITY RELATION


ASTM D-1557 Method A

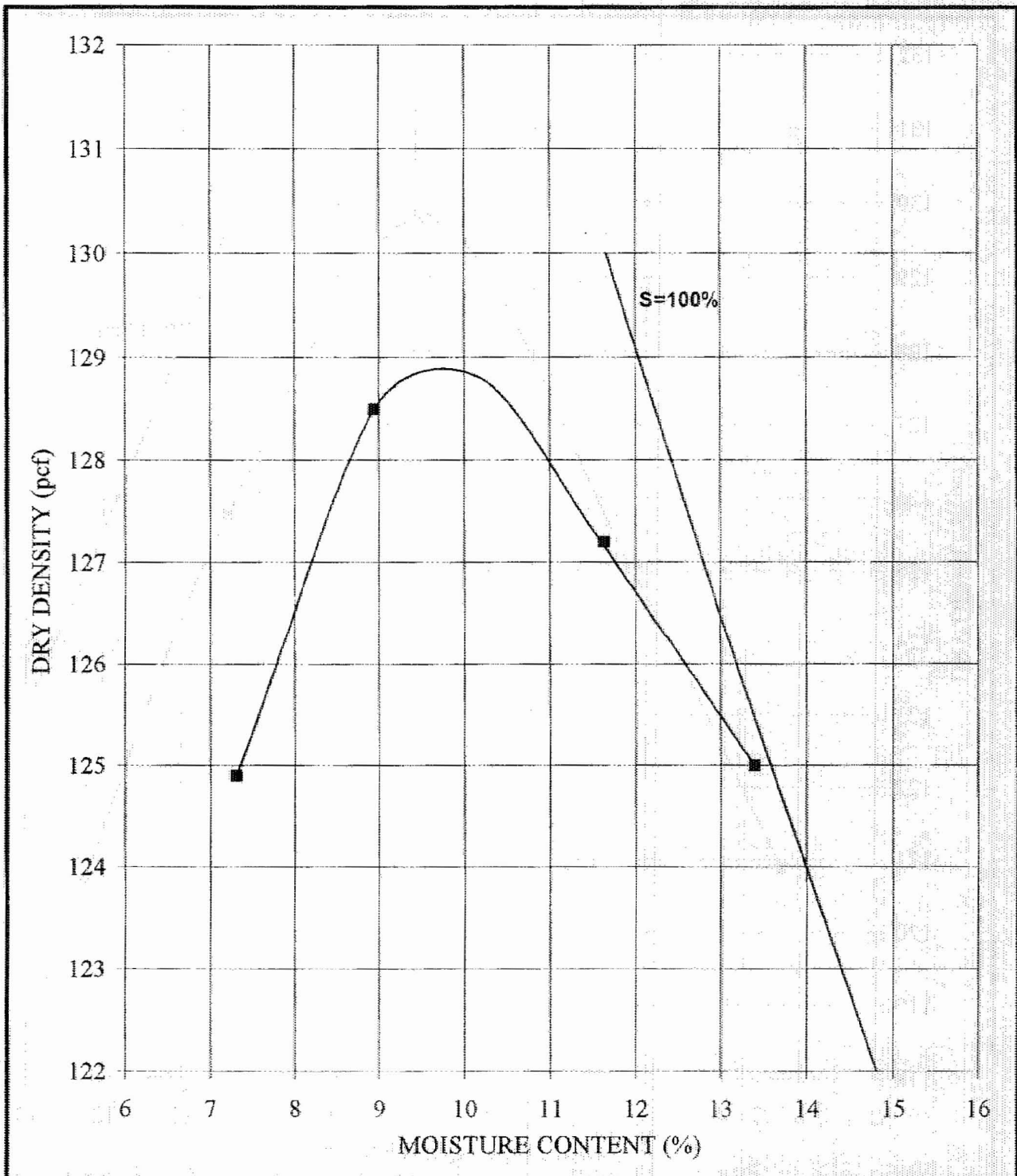
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/20/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI			
TP-B-334	3.0-4.0	Silty SAND, brown	SM					
Assumed Specific Gravity:	2.40	% Passing 3/4" Sieve:	100.0					
		% Passing #4 Sieve:	100.0					
Maximum Dry Density (pcf):	116.3	Optimum Moisture Content (%):	9.3					



MOISTURE-DENSITY RELATION


ASTM D-1557 Method A

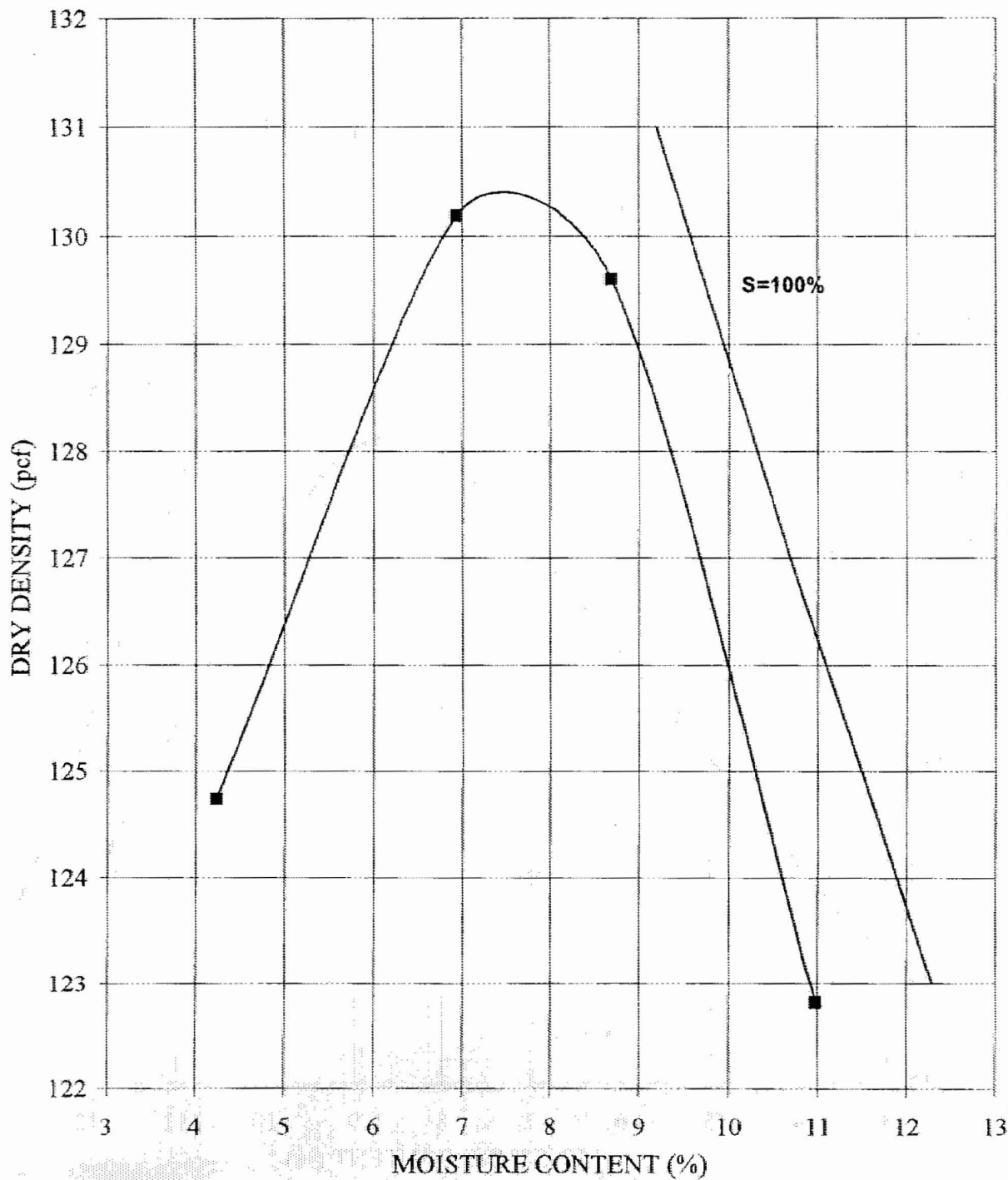
Project:		Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/28/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
TP-B-334	6.0-7.0	Silty SAND, brown-gray	SM					
Assumed Specific Gravity:		2.65	% Passing 3/4" Sieve:	100.0				
			% Passing #4 Sieve:	100.0				
Maximum Dry Density (pcf):		129.8	Optimum Moisture Content (%):	8.0				



MOISTURE-DENSITY RELATION


ASTM D-1557 Method A

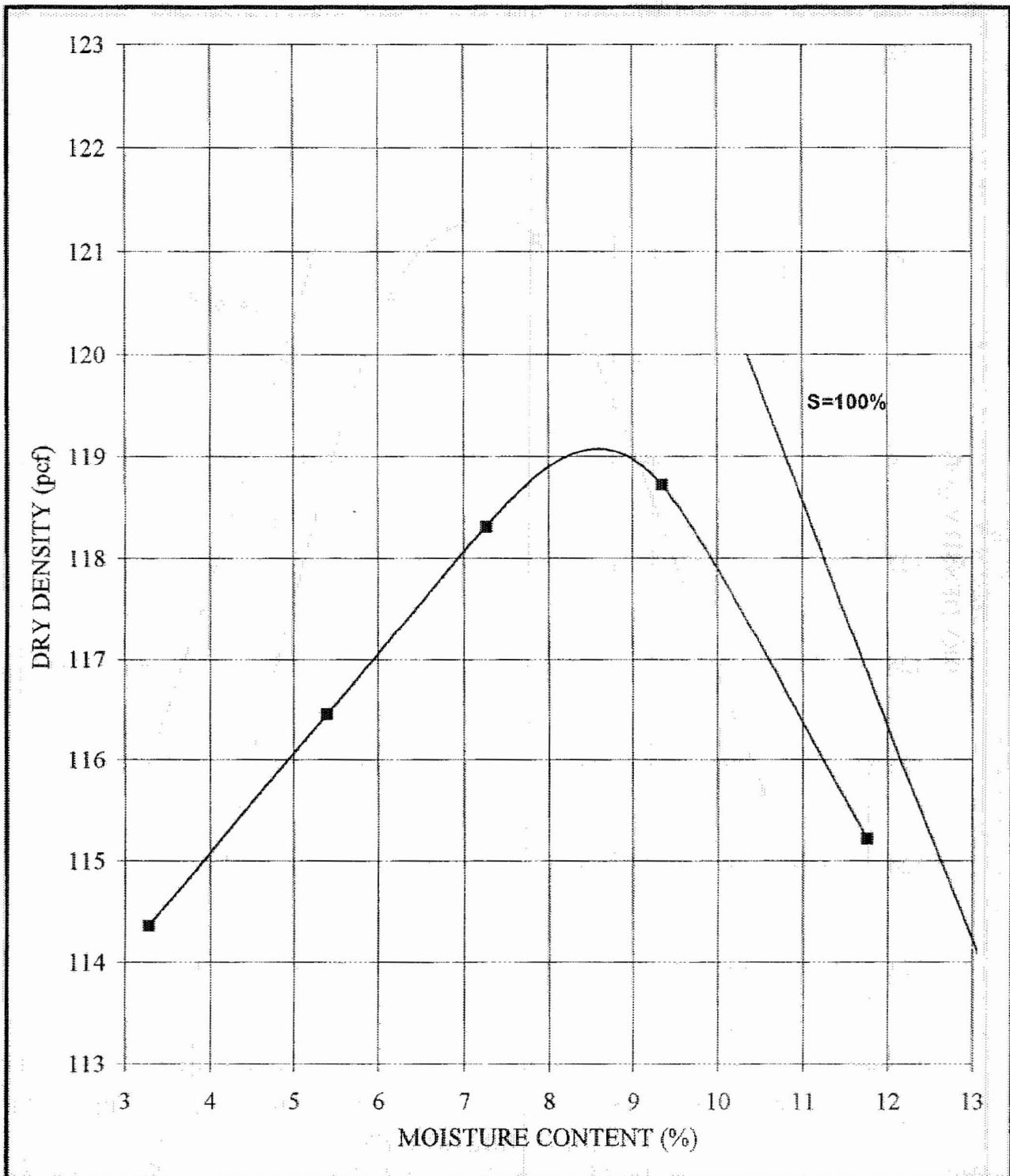
Project:	Constellation Energy Group COEA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/13/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
TP-B-335	3.0-4.0	Sandy LEAN CLAY, dark brown	CL	30	10			
Assumed Specific Gravity:	2.75	% Passing 3/4" Sieve:	100.0					
		% Passing #4 Sieve:	100.0					
Maximum Dry Density (pcf):	128.8	Optimum Moisture Content (%):	9.9					



MOISTURE-DENSITY RELATION


ASTM D-1557 Method A

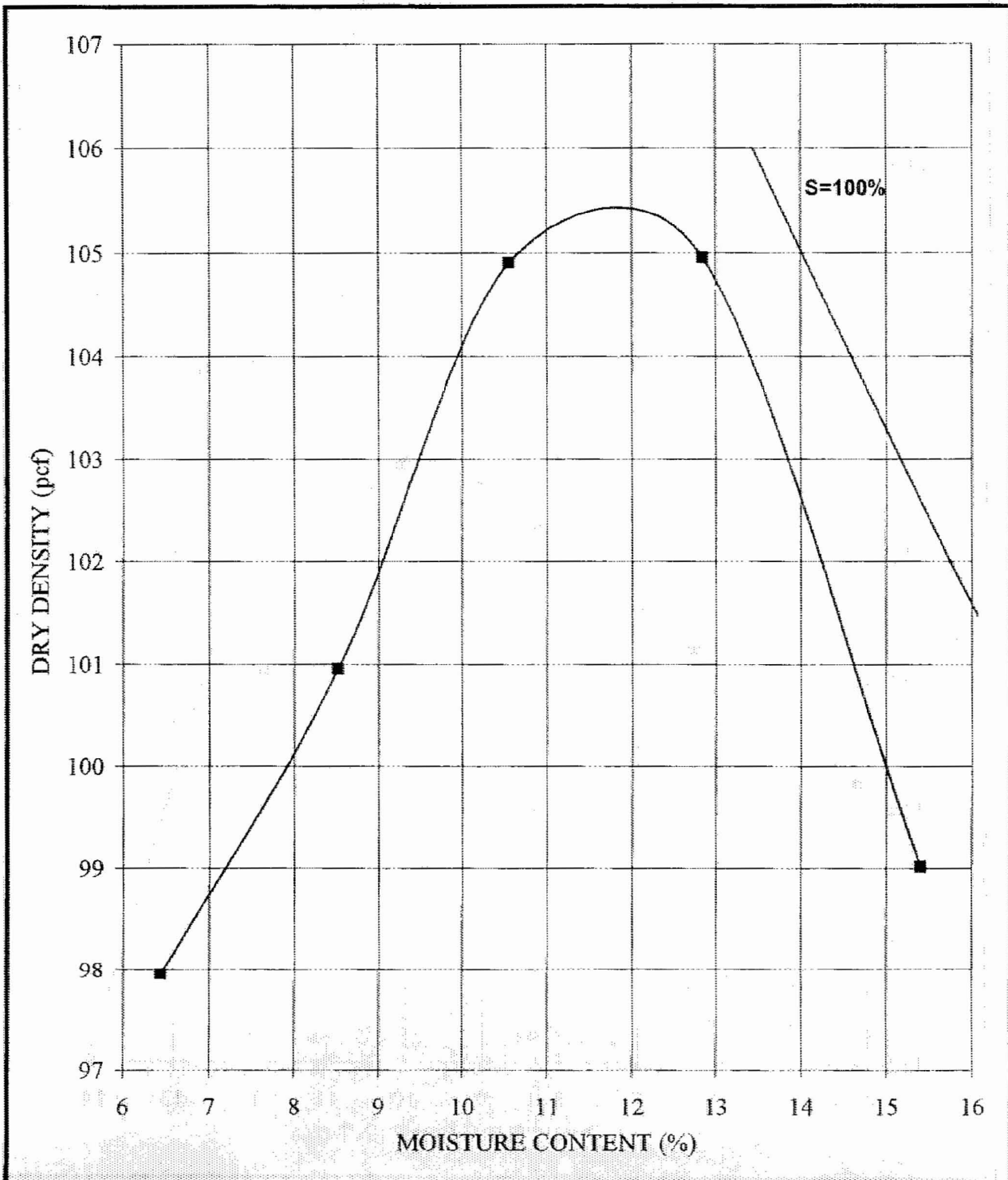
Project:		Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/20/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
TP-B-335	5.0-6.0	Silty SAND, brown	SM					
Assumed Specific Gravity:		2.60	% Passing 3/4" Sieve:		100.0			
			% Passing #4 Sieve:		100.0			
Maximum Dry Density (pcf):		130.5	Optimum Moisture Content (%):		7.6			



MOISTURE-DENSITY RELATION


ASTM D-1557 Method A

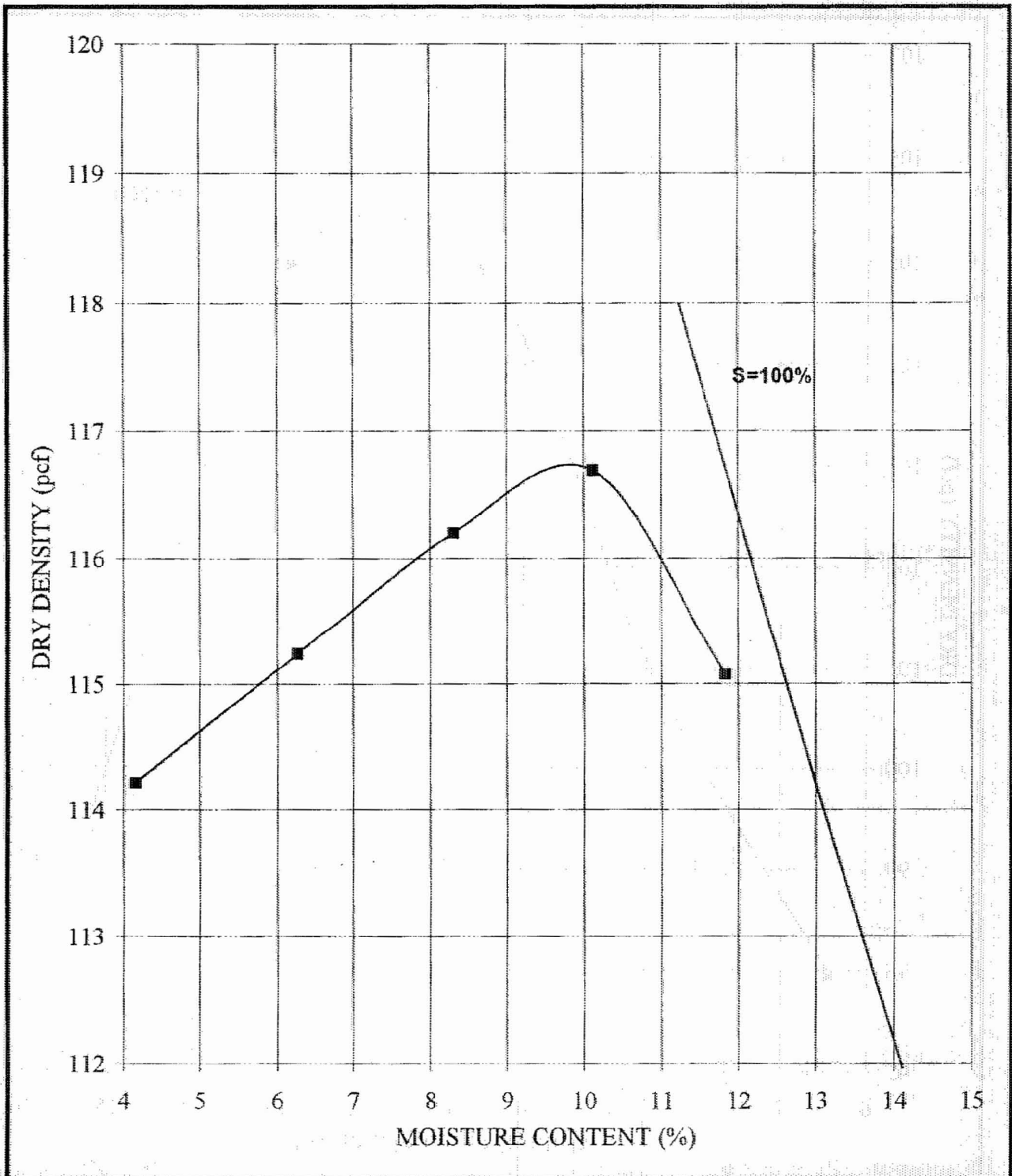
Project:		Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/18/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
TP-B-407	4.5-5.5	Well Graded SAND, with silt, trace gravel, dark	SW-SM					
Assumed Specific Gravity:	2.40	% Passing 3/4" Sieve:	100.0					
		% Passing #4 Sieve:	97.8					
Maximum Dry Density (pcf):	119.1	Optimum Moisture Content (%):	8.6					




MOISTURE-DENSITY RELATION

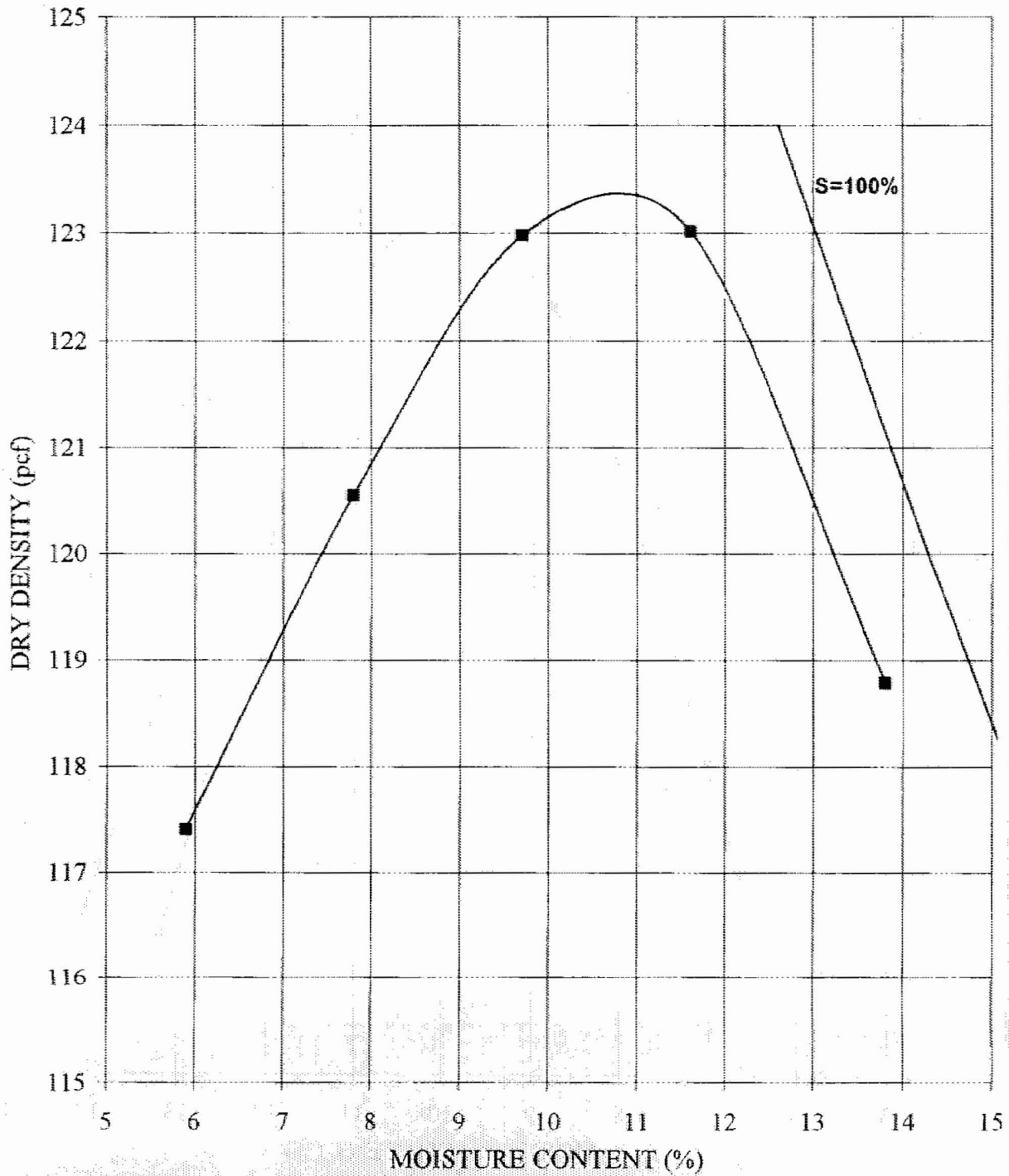
ASTM D-1557 Method A

Project:		Constellation Energy Group COLA Project Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:		06120048.00	Date:	9/21/2006
Boring No.:	Depth (ft):	Sample Description:	Class:	LL:	PI:				
TP-B-414	6.0-7.0	Poorly Graded SAND, with silt, light brown	SP-SM						
Assumed Specific Gravity:		2.20	% Passing 3/4" Sieve:		100.0				
Maximum Dry Density (pcf):		105.4	% Passing #4 Sieve:		100.0				
			Optimum Moisture Content (%):		11.9				




MOISTURE-DENSITY RELATION
ASTM D-1557 Method A

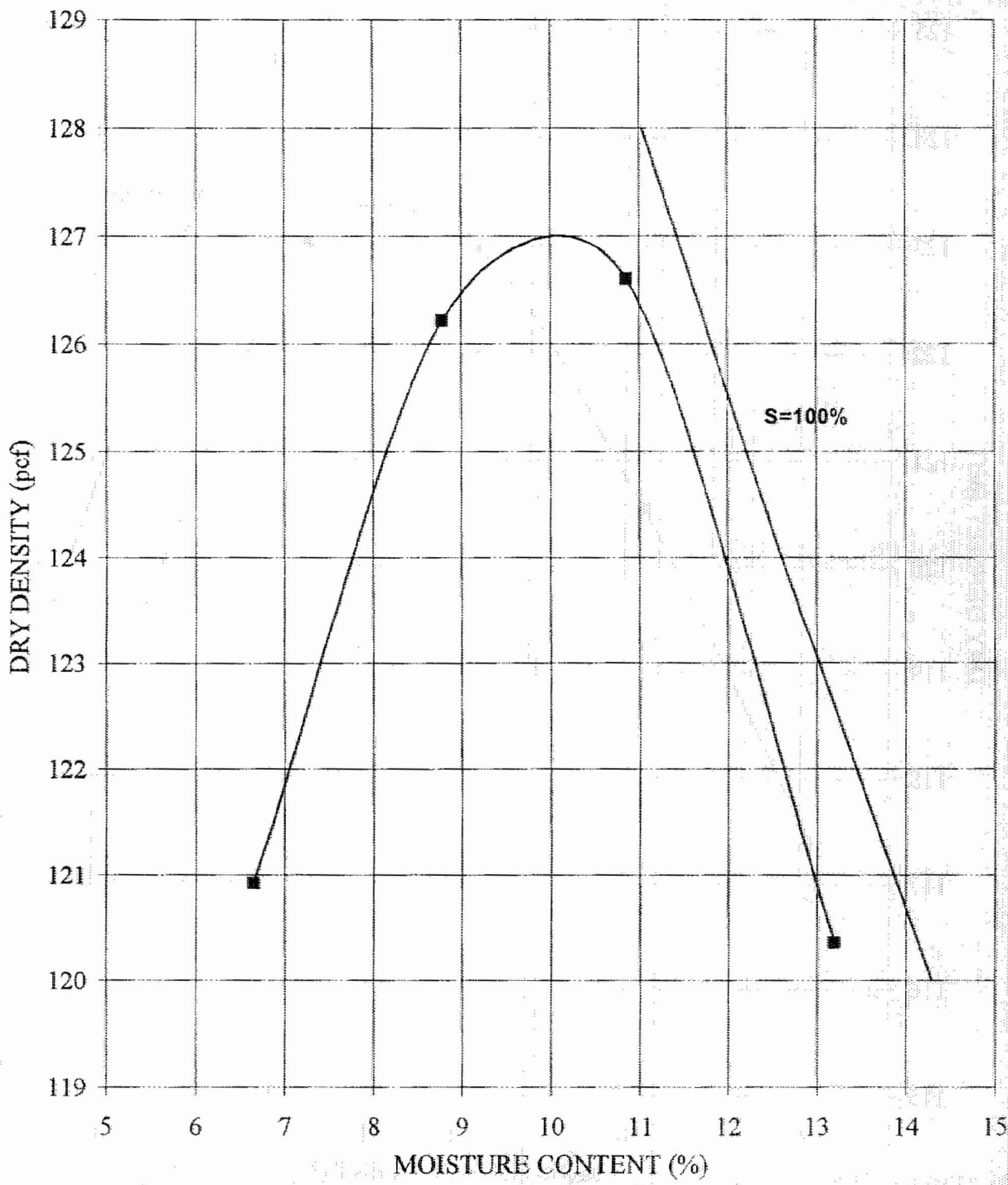
Project:	Constellation Energy Group COEA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/14/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI		
TP-B-415	3.0-4.0	Poorly Graded SAND, trace silt, light brown	SP				
Assumed Specific Gravity:	2.40	% Passing 3/4" Sieve:	100.0				
		% Passing #4 Sieve:	99.8				
Maximum Dry Density (pcf):	116.7	Optimum Moisture Content (%):	9.8				




MOISTURE-DENSITY RELATION

ASTM D-1557 Method A

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/18/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
TP-B-423	5.0-6.0	Sandy LEAN CLAY, dark brown	CL	24	8			
Assumed Specific Gravity:	2.65	% Passing 3/4" Sieve:	100.0					
		% Passing #4 Sieve:	100.0					
Maximum Dry Density (pcf):	123.4	Optimum Moisture Content (%):	10.8					



MOISTURE-DENSITY RELATION
ASTM D-1557 Method A

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.:	06120048.00	Date:	9/14/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI		
TP-B-434	2.0-3.0	Sandy LEAN CLAY, dark brown	CL	25	7		
Assumed Specific Gravity:	2.65	% Passing 3/4" Sieve:	100.0				
		% Passing #4 Sieve:	99.8				
Maximum Dry Density (pcf):	127.1	Optimum Moisture Content (%):	10.1				