

FIELD DENSITY TEST REPORT

Report Number: M5141101.0127
Service Date: 03/30/15
Report Date: 03/30/15
Task:



Midwest Testing
LABORATORY, INC.
A TERRACON COMPANY
1555 N. 42nd St., Unit B
Grand Forks, ND 58203
701-772-2832

Client

CHS, Inc.
Attn: Tim Hoare
5500 Cenex Drive
Inver Grove Heights, MN 55077

Project

CHS Dry Fertilizer Building
Kane Avenue
Lakota, ND 58344

Project Number: M5141101

Material Information

Mat. No.	Proctor Ref. No.	Classification and Description	Laboratory Test Method	Lab Test Data		Project Requirements	
				Optimum Water Content (%)	Max. Lab Density (pcf)	Water Content (%)	Compaction (%)
1	M5141101.0110	Silty Sand - brown, with a little gravel	ASTM D698	16.6	109.7		95

Field Test Data

Test No.	Test Location	Lift / Elev.	Mat. No.	Probe Depth (in)	Wet Density (pcf)	Water Content (pcf)	Water Content (%)	Dry Density (pcf)	Percent Compaction (%)
Scale pad backfill									
1	5' S and 10' E of NW corner of scale pad	at	1	8	124.1	15.9	14.7	108.2	98.6
2	10' S and 20' W of NE corner of scale pad	at	1	8	125.9	17.0	15.6	108.9	99.3

Datum: Depth below final grade Serial No: 1138 Std. Cnt. M: 765 Std. Cnt. D: 2414

Comments: Test and/or retest results on this report meet project requirements as noted above.

Services: Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.

Midwest Testing Laboratory, Inc. Rep.: David Ackert

Reported To: Jeremy (Skeescorp)

Contractor:

Report Distribution:

(1) CHS, Inc., Tim Hoare

(1) CHS, Inc., Emailed

Reviewed By:

David Ackert
Staff Engineer, EI

Test Methods: ASTM D6938

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT indicated above and shall not be reproduced except in full without the written consent of our actual samples tested at the location(s) referenced and are not necessarily indicative of the

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