

G 32.87

- inspection
- evaluation
- research

construction materials

H. HOLMES TESTING LABORATORIES, INC.

CIVIL  
 GND  
 MIN  
 19  
 20  
 21  
 22  
 23  
 24  
 25  
 26  
 27  
 28  
 29  
 30  
 31  
 32  
 33  
 34  
 35  
 36  
 37  
 38  
 39  
 40  
 41  
 42  
 43  
 44  
 45  
 46  
 47  
 48  
 49  
 50  
 FILE  
 1 JUN  
 3 JUN  
 2 WS

170 Shepard Avenue • Wheeling, Illinois 60090 • Area Code 312 • 541-4040

- P.O. BOX 2184 ROCKFORD ILLINOIS  
AREA 815 633-9066
- 3868 MICHIGAN STREET  
EAST CHICAGO INDIANA

REPORT OF FIELD COMPACTION TESTS

CLIENT : COMMONWEALTH EDISON COMPANY

REPORT NO. 81

PROJECT : BYRON NUCLEAR POWER STATION, PRELIMINARY  
SITE WORK, UNITS #1 & 2, P.O. #160890-SCD-84

DATE 7/22/75

TEST DATA:

Test No.	Date	Elevation	Soil ID Number	Maximum Lab Dry Density	W/C	In Place Dry Density	% Comp.	Comments
1	7/22/75	-2' Below Grade 867	10	129.3	11.4%	126.9	98.1%	2 A/S
2	7/22/75	-2' Below Grade 867	10	129.3	11.4%	125.3	96.9%	2 A/S
3	7/22/75	-2' Below Grade 867	10	129.3	10.8%	125.7	97.2%	2 A/S
4	7/22/75	-5-3/4' Below Grade 867	52	124.0	10.6%	121.0	97.6%	2 A/S
5	7/22/75	-5' Below Grade 867	1	130.1	10.5%	126.7	97.4%	2 A/S
6	7/22/75	-4' Below Grade 867	78	122.8	12.6%	118.5	96.5%	2 A/S

TEST LOCATION:

- 1 Switchyard, 32+05N & 31+70E, Lift Thickness 6"
- 2 Switchyard, 30+50N & 30+00E, Lift Thickness 6"
- 3 Switchyard, 34+40N & 29+00E, Lift Thickness 6"
- 4 Switchyard, 35+10N & 28+55E, Lift Thickness 6"
- 5 Switchyard, 35+60N & 28+15E, Lift Thickness 6"
- 6 Switchyard, 31+65E & 38+05N, Lift Thickness 6"

NOTES:

DENSITIES SHOWN: Lbs./Ft.<sup>3</sup>  
 WATER CONTENT : % of Dry Density  
 % COMPACTION : Based on Maximum Dry Density obtained on Sample indicated by Soil ID number

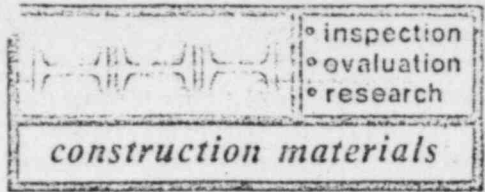
- 1. EMBANKMENT (FILL)
- 2. BACKFILL
- 3. BASE COURSE
- 4. SUBBASE

- A. TEST RESULTS COMPLY WITH SPECIFICATIONS
- B. RECOMPACTION REQUIRED
- C. TEST IS AFTER RECOMPACTION
- N. NUCLEAR METHOD
- D. RUBBER BALLOON METHOD
- S. SAND CONE METHOD

8408270292 840810  
 PDR ADOCK 05000454  
 E PDR

- Mr. A.W. Kleinrath
- Mr. W.H. Donaldson
- Mr. J. Deress
- Sargent & Lundy

*Robert L. Nelson*  
 \_\_\_\_\_  
 H. H. HOLMES



**H. H. HOLMES TESTING LABORATORIES, INC.**

• 170 Shepard Avenue • Wheeling, Illinois 60090 • Area Code 312 • 541-4040

- P.O. BOX 2184 ROCKFORD ILLINOIS  
AREA 815 633-9066
- 3868 MICHIGAN STREET  
EAST CHICAGO INDIANA

REPORT OF FIELD COMPACTION TESTS

CLIENT : COMMONWEALTH EDISON COMPANY

REPORT NO. 81

PROJECT : BYRON NUCLEAR POWER STATION, PRELIMINARY  
SITE WORK, UNITS #1 & 2, P.O. #160890-SCD-84

DATE 7/22/75

TEST DATA:

Test No.	Date	Elevation	Soil ID Number	Maximum Lab Dry Density	W/C	In Place Dry Density	% Comp.	Comments
7	7/22/75	-3' Below Grade 867	78	122.8	11.8%	118.9	96.8%	2 A/S

TEST LOCATION:

7 Switchyard, 28+20E & 33+00N, Lift Thickness 6"

NOTES:

DENSITIES SHOWN: Lbs./Ft.<sup>3</sup>  
 WATER CONTENT : % of Dry Density  
 % COMPACTION : Based on Maximum Dry Density obtained on Sample indicated by Soil ID number

1. EMBANKMENT (FILL)
2. BACKFILL
3. BASE COURSE
4. SUBBASE

- A. TEST RESULTS COMPLY WITH SPECIFICATIONS
- B. RECOMPACTION REQUIRED
- C. TEST IS AFTER RECOMPACTION
- N. NUCLEAR METHOD
- D. RUBBER BALLOON METHOD
- S. SAND CONE METHOD

- 1-Mr. A.W. Kleinrath
- 3-Mr. W.H. Donaldson
- 1-Mr. J. Deress
- 1-Sargent & Lundy

*Robert L. Nelson* Idn  
 H. H. HOLMES