



9/4
R.G. 9/8/75
R.B. 9/8/75
File

inspection
evaluation
research
construction materials

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P.O. BOX 2184 ROCKFORD ILLINOIS AREA 815 633-5056
3366 MICHIGAN STREET EAST CHICAGO INDIANA

REPORT OF FIELD COMPACTION TESTS

CLIENT : COMMONWEALTH EDISON COMPANY
PROJECT : BYRON NUCLEAR POWER STATION, PRELIMINARY SITE WORK, UNITS #1 & 2, P.O. #160890-SCD-84
TEST DATA:

REPORT NO. 97
DATE 8/11/75

Test No.	Date	Elevation	Soil ID Number	Maximum Lab Dry Density	W/C	In Place Dry Density	% Comp.	Comments
1	8/11/75	-6" Below Grade 867	51	131.5	8.1%	129.2	98.1%	2 A/S
2	8/11/75	-6" Below Grade 867	51	131.5	8.1%	128.6	97.8%	2 A/S
3	8/11/75	At Grade 867	51	131.5	7.0%	127.1	96.7%	2 A/S
4	8/11/75	At Grade 867	51	131.5	8.5%	129.1	98.2%	2 A/S
5	8/11/75	At Grade 867	78	122.8	14.0%	118.2	96.3%	2 A/S
6	8/11/75	At Grade 867	78	122.8	12.8%	117.2	95.4%	2 A/S

TEST LOCATION:

1	Switchyard, 38+15N & 31+60E, Lift Thickness 6"	SWITCHYARD SPEC. REQU. 9570
2	Switchyard, 40+00N & 31+80E, Lift Thickness 6"	OK
3	Switchyard, 35+00N & 31+45E, Lift Thickness 6"	
4	Switchyard, 37+00N & 30+15E, Lift Thickness 6"	
5	Switchyard, 35+10N & 30+80E, Lift Thickness 6"	
6	Switchyard, 38+25N & 27+90E, Lift Thickness 6"	

TESTS:

DENSITIES SHOWN: Lbs./Ft.³
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

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Mr. Kalwitz
Mr. J. Deress
Mr. J. Lundy

H. H. HOLMES

ATTACHMENT B

BYRON SITE CONSTRUCTION PHOTOGRAPHS

P8/1/75C1 and P7/12/76D1



