



**ASTM D6938 In-Place Density and Water Content of Soil and
Soil-Aggregate by Nuclear Methods (Shallow Depth)**

Project: Neely Utilities
Fort Wainwright, AK
Client: M & M Constructors, Inc.

Project #: 2026-020
Date: June 11, 2026
Area Tested: Steam Line Backfill

Material / Source:

D-1/ FS+G AGG **Silty** **139.3**
Sand w/ Gravel/ Exist **120.4**

Gauge: Instrotek 3500

Ser: # 1748

Operator: John Trush

Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
1	D-1	4"	base course	Steam Line Backfill at Luzon South bound lane 4' west of centerline	143.9	5.4	136.5	139.3	98.0%	98%
2	D-1	4"	base course	Steam Line Backfill at Luzon North bound lane 7' east of centerline	144.8	5.3	137.5	139.3	98.7%	98%
3	Silty sand w/ gravel	8"	5	Steam Line Backfill 50' West of Luzon	126.0	6.9	117.9	120.4	97.9%	95%
4	Silty sand w/ gravel	8"	5	Steam Line Backfill 150' West of Luzon	128.5	7.6	119.4	120.4	99.2%	95%