

MISSOURI DEPARTMENT OF TRANSPORTATION

NUCLEAR DENSITY-MOISTURE TEST DATA

Soil

Type _____ Base

Contract ID _____
 Job No. _____ Route _____ County _____ Report No. _____

Date								
Station								
Location R/L – CL								
Dist. Below Profile Gr.								
Standard Test No.								
*A – Test Number								
*B – Probe Depth								
*C – Density Standard Count								
*D – Moisture Standard Count								
*E – Moisture Correction								
*F – Dry Density = DD								
*G – Wet Density = WD								
*H – Standard Density								
*I – % Compaction = PR								
*J – Minimum Density Required								
*K – % Moisture								
*L – Optimum Moisture								
% Moisture Specified	Min.							
	Max.							
Retest of	Test No.							
	Date							

Remarks:

Responsible person:
 Date:

* See page 2 of form for more information on testing procedures.

Distribution: eProjects

MISSOURI DEPARTMENT OF TRANSPORTATION

DENSITY-MOISTURE TEST DATA NUCLEAR

- | | |
|---|--|
| A – Consecutive, by material per project | F – Record from display for current test |
| B – Reading on display must match probe position | G - Record from display for current test |
| C – Read direct from display – Daily Standard | H – Provided by Materials for current material |
| D – Read direct from display – Daily Standard | I – Record from display for current test |
| E – Record correction for current material
(Reference page 3–4 Troxler Manual) | J – Provided in contract documents or specifications |
| | K – Record from display for current test |
| | L – Provided form Materials for current material |

DAILY CHECK LIST

1. Two different keys are needed
2. Wear badge
3. Make entry in sign out diary
4. Place travel papers on truck dashboard in plain view within driver's reach (transport gauge in locked box only)
5. Warm up machine 10 minutes – Set on plate with probe opposite butt plate
6. Take standard count – record standard counts in diary. Follow instruction manual.
1% Density Deviation, 2% Moisture Deviation
7. Enter proctor value from materials
8. Enter applicable moisture correction – See pages 3-4 in Troxler Manual
9. Sign back in at end of day and clean equipment

TROUBLE SHOOTING

Do not charge batteries until “low battery” appears (2-3 hours remaining)

If the display reads “GM Tube A Error, Service Required”, remove and replace fuse; retry entry.

See 203.5 of the Engineering Policy Guide for information on testing with Nuclear Moisture-Density Gauges. See <http://sharepoint/systemdelivery/CM/radiationmanagement/default.aspx> for routine maintenance issues.

Battery Voltage: 3.6, Normal
3.35-3.4, Battery low but serviceable
3.25-Below, No service

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