

MINIMUM QUALITY CONTROL PLAN FOR NUCLEAR GAUGE COMPACTION TESTING

(Attach additional sheets as needed)

EC	MS	No, Sta	te Route (S.R.)	, Section,	County
I.	OR	GANIZATIONAL CHART			
	<u>Per</u>	rsonnel Full Name and P	hone Number Res	oonsibilities	
	A.	Company Representative			Oversees entire project
	В.	Project Superintendent			Oversees fill construction operations
	C.	Project Foreman			Oversees placement and compaction of material
	D.	Certified Nuclear Gauge Operator*			Performs QC and acceptance compaction testing as specified in Pub 408, Sec. 206.3(a)
		Operators Certification No.			Expiration Date
	E.	Compaction Control			Technical & Emergency contact Supervisor
	F.	Radiation Safety Officer (R	SO)		Emergency Contact
	G.	PADEP Phone number			Emergency Notification
		*If the Nuclear Gauge Oper Please use Section VI of th that will perform QC testing	ator is a 3rd party contr is form to list alternative on this project.	actor, please provide the full co and/or additional Certified Nuc	mpany contact information below. lear Gauge Contractors and Operators
		Company Name			Office Phone Number
		Address			

II. NUCLEAR GAUGE INFORMATION

Туре	Model No.	Calibration Date

III. MATERIAL INFORMATION

Material Class	Dry Density, pcf	Optimum Moisture, %	Proctor Test Date

IV. EQUIPMENT LIST

MANUFACTURER

QUANTITY

A sufficient quantity and type of rollers and/or compaction equipment must be available and used in accordance with Pub 408, Section 206.3(b).

Pad Foot Roller	 		
Smooth Drum Vibratory Roller	 		
Other (please specify below)			
	 	-	
		-	
		-	
	 	-	
	 	-	

V. COMPACTION TESTING PLAN

- 1. Nuclear gauge compaction testing will be performed as specified in Pub 408, Section 206.3(a).
- 2. The frequency of the QC testing will be determined by the Contractor; however, at a minimum, the frequency must meet the requirements as indicated in Pub 408, Section 206.3(a)2, Table A.
- 3. All compaction test results will be recorded on Form TR-4276A located in PTM 402.

Fill in the QC Test Frequency table, as applicable, and list all other compaction testing criteria specific to this project only:

QC Test Frequency				
Material	Material Embankment or Fill Subgrade*			
Start-up Frequency	QC test(s) per lift for each square yards placed; minimum tests per lift per day.	QC test(s) per lift for each square yards placed; minimum tests per lift per day.	For every pipe run conduct QC test(s) for every cubic yards of pipe backfill; minimum tests per lift per day.	
Production Frequency	QC test(s) per lift for each square yards placed; minimum tests per lift per day.	QC test(s) per lift for each square yards placed; minimum tests per lift per day.	For every pipe run conduct QC test(s) for every cubic yards of pipe backfill; minimum tests per lift per day.	

*Subgrade consists of the top three feet of the material immediately below the pavement section subbase.

Additional Requirements and Remarks:

VI. ALTERNATIVE NUCLEAR GAUGE CONTRACTORS AND/OR OPERATOR(S)

List all other Nuclear Gauge Contractors and Operators that will operate a Nuclear Gauge on this project.

Company Name	Address	Office Phone Number
Nuclear Gauge Operator(s)	Certification Number & Exp. Date	Phone Number
Radiation Safety Officer and Phone Numb	per:	

NUCLEAR GAUGE INFORMATION

Туре	Model No.	Calibration Date

Attach additional sheets as necessary

VII. AMENDMENTS

Any amendment to the QC Plan must be presented to the Department Representative as per Pub 408, Section 206.3(a)2. If amendments are agreed to by both the Company Representative

(______) and the Department Representative, the QC Plan can be amended by strike out and replacement followed by signatures in initial form. A description of the change and reason for amendment must be included on the approved amended QC Plan.

VIII. PROBLEM RESOLUTION

If any problems or disputes re	lating to placement and/or compaction arise, they should first be directed to the Project
Foreman (). If results are not satisfactory, the next responsible person is the Project
Superintendent (). If the problem is still not resolved, it should then be directed to the
Company Representative ().

If there are any problems related to Department requests or procedures including deficiencies or variances either from the contract specifications or conditions that may have a detrimental effect, they will be reported to the Department Representative for documentation, and will be conveyed to the Assistant Construction Engineer for action or future reference if premature failure occurs.

Submitted By:	Duist/Ciar	Date:	
	PrinzSign		
Reviewed By:	Print/Sign	Date:	