

**VIRGINIA DEPARTMENT OF TRANSPORTATION  
ASPHALT NUCLEAR DENSITY WORKSHEET  
ROLLER PATTERN/SAWN PLUGS & CONTROL STRIP TARGET DENSITY**

		Control Strip No _____		
Schedule _____		Item No _____	Date _____	
Route _____		From _____	To _____	
Lane Direction _____			Lane _____	
	(NBL, SBL, etc)			(Inside, Center, etc.)
Mix Type _____		Application Rate _____	lbs/yd <sup>2</sup> _____	(kg/m <sup>2</sup> ) _____
Lot No _____		Width of Application _____	Lot Length _____	ft (m) _____
Mix Producer _____		Plant Location _____		

NUCLEAR CALIBRATION CHECK											
	A	B	C	D	E	F		G		H	
Sawed Spec. Number	Weight in Air (g)	Weight in Water (Total g)	Basket Tare Weight (g)	Weight in Water (g) B - C	SSD Weight In Air (g)	Volume E-D	SSD Bulk Specific Gravity A ÷ F	Average SSD Bulk Per Site	Sawed Specimen Thickness In. (mm)	Target Test Site Nuclear (from TL-58)	
1											1
2											2
											3
3											4
											5
4											6
											7
5											8
											9
6											10

Average

(Sum of G/3)

(Sum of H/10)

Max Specific Gravity (Gmm)

A Sawed Specimen Average % Density

%

(avg. SSD Bulk Sp. Gr. /GMM)

B Minimum Design Density (Table III – 3 of sec. 315)

%

\*(A must equal or exceed B)

C Target Nuclear Density

lb/ft<sup>3</sup>

(Average from H)

Gauge  
ModelSerial  
NumberCalibration  
DateDepth  
Setting

in ( \_\_\_\_\_ mm)

Testing Performed by

Observed by