

**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 ²	(kg/m ²)
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/ft³

(Average from H)

Gauge Model	Serial Number	Calibration Date	Depth Setting	in (mm)
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Testing Performed by _____ Observed by _____