

**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
											6
4											7
											8
											9
5											10
6											

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)
-------------------	---------------------	------------------------	------------------------------------

Testing Performed by _____ Observed by _____