

Form WMSC-IR-1

Washington Metrorail Safety Commission

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	r 20200724-WMSC-MAL-1				
Inspection Date	2020	07	24	Report Number	20200724-WWSC-WAL-1				
Rail Agency Name	Washington Metropolitan Area Tra Authority		Area Transit	Rail Agency Department	CMNT	INT Sub- Department		Greenbelt Shops and Yard	
	I	Name		Email	Office Phone	2		Mobile Phone	
Rail Agency Department Contact Information		l •							
Inspection Location	5801 Sunny	Greenbelt Shops and Yard - Railyard E99 5801 Sunnyside Ave, College Park, MD 20740							

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	VM-WI-PI					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	9					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	No					

Activity Summaries

Inspection Activity #	1 1	nspection Sub	ject	Virtual	l Shop / Y	ard Inspec	tion		Activity Co	ode	VM	1 V	/1	PI
Job Briefing Employee Name/Title	WMATA Inspection				Accompanied Inspector?		N/A	Out Brief Conducted	N/A	Time	Virtu	Out Sh		No
Related Reports	N/A				Relate	Related CAPS / Findings					•			
	Ref Rule or S			SOP	Standard		Other / Title			Checklist Reference				
Related Rules, SOPs, Standards, or Other	MetroRail Safety Rules and Procedures Handbook (MSRPH). Section 4– Safety Rules													
	Main Track	Yard	Stat	ion	осс	RTA Facility	WMSC Office		At-grad	e Tu	nnel	Elevated		N/A
Inspection Location		x						Track Type						х
1:(-)	F00	Track		N/A		Chain Marker		From			То			
Line(s)	E99	Numb	er	N/A	and/or St		ation(s) N/A		N/A		N/A			
w	Head	Car Number		Number	of Cars	<u> </u>								
Vehicles		N/A		N/	'A	Equip	ment	N/A						



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		Number of Defects	9
	WMSC Inspector conducted a virtual rules compliance inspection of the Greenbelt	Recommended Finding?	No
	l · ·	Remedial Action Required?	No
Description	Shops and Yard Facilities. The inspector requested numerous documents from daily activities performed at the Shop and yard for compliance with Metrorall Safety Rules and Procedures Handbook (MSRPH), as well as equipment maintenance activities, special tools, and documentation. General Information: WMSC's inspector requested and received several documents from the Greenbelt facility. WMSC will address Greenbelt's facility concerns at the next CMNT/CENV Zoom meeting. The following documents were reviewed: CMNT Daily Shop Safety Inspection & Housekeeping Checklist for July 15 and 17, 2020 Reviewed CMNT's Daily Shop Safety Inspection & Housekeeping Checklist and the following deficiencies were provided (Attachment #1). Lighting on the shop floor is flickering and causing the employees to become nauseated. The Greenbelt facility received a recent new LED lighting upgrade. A similar LED lighting flickering issue was previously observed and reported by WMSC at the New Carrollton facility. The flickering issue was corrected at the New Carrollton facility. The flickering issue was corrected at the New Carrollton facility. Lighting at the open pits area is inadequate, especially if a train is over the open pits blocking the overhead lighting. A similar poor lighting issue was previously observed and reported by WMSC at the open pits area at the Shady Grove facility. Railroad crossing equipment at the entrance of the Greenbelt yard is malfunctioning. There are excessive weeds outside the S&I shop apron by track #6, North. The weeds are up to 4 feet in tall. Door exit signs are out by Track #2 North and South. Periodic Inspections (PIs) Type A data was provided for railcars 7420-21 7040-41 7494-95 for 5-05 and 5-07-2020 and for railcars 7420-21, 7040-41, 7494-95 for 5-05 and 5-07-2020 and for railcars 7544-45 for 3-07-2020 Reviewed PIs Type A data for railcars 7420-21, 7040-41, 7494-95 and 7544-45 and the following information is provided. Railcars 7040-41 — Uncoupling arm missing locking pin and retainer. Add		
Remedial Action	repairs or maintenance action. See Attachment #4. N/A		



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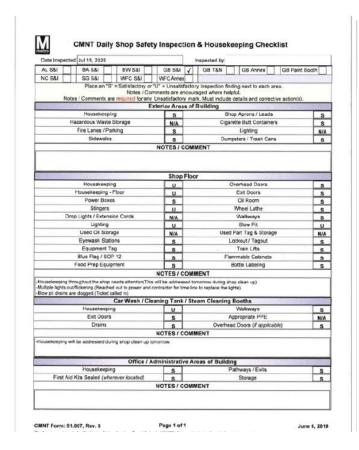
Effective Practices

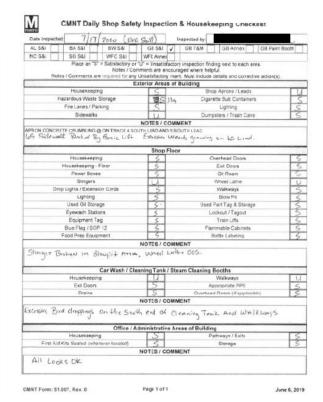
Effective Practices

Good accomplishment. The documents provided depict that the Greenbelt facility is a well-organized and managed facility.
 These documents clearly describe processes, identifies issues, safety concerns, and action that needs be taken to mitigate the safety concerns.

Photos:

Attachment 1 - CMNT Daily Shop Safety Inspection & Housekeeping Checklist at Greenbelt Facility





Attachment 2 - Periodic Inspections Type A, Task #80, Carbody Height Measurements, Railcar 7420-21; 5-5-2020



	A-(Car		B-(ar
	Left Side	Right Side		Left Side	Right Side
	Wheel Diameter N/A	Wheel Diameter N/A	CC 18-C	Wheel Diameter	Wheel Diameter
Front	Air Spring Height N/A	Air Spring Height N/A	Front	Air Spring Height	Air Spring Height
	Carbody Height N/A	Carbody Height N/A		Carbody Height	Carbody Height
Name of the last	Wheel Diameter N/A	Wheel Diameter N/A	1200	Wheel Diameter	Wheel Diameter
Rear	Air Spring Height N/A	Air Spring Height N/A	Rear	Air Spring Height	Air Spring Height
	Carbody Height N/A	Carbody Height N/A		Carbody Height	Carbody Height



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Attachment 3 – Railcars Special Tools List at Greenbelt

GREENBELT 7K PI T	OOLS ACCORDING	TO PI PROCEDURE REV 4.0
		Task 20
TOOLS	LOCATION	ASSIGNED LOCATION
Pin Gauge Set	Truck Shop tool Room NOT AVAILABLE	Tool Cabinet #1
Parallel Gauge Tool 0.005 in Feeler Gauge	NOT AVAILABLE	
Torque Wrench	Truck Shop tool Room	Tool Cabinet #2
Calibrated Back-to-Back Gauge Shoe Height Tool - 3.5"	Yellow cabinet on shop floor GB PI Floor	Tool Cabinet #3 GB PI Floor
Calibrated Spring Scale (50 lbs range)	Truck Shop tool Room	Tool Cabinet #1
Calipers Calibrated Spring Scale (25 lbs range)	Truck Shop tool Room Truck Shop tool Room	Tool Cabinet #1 Tool Cabinet #1
Pi Tape	Each assigned their own	Each assigned their own
AAR Narrow Flange Steel Wheel Gauge Dial Indicator	Truck Shop tool Room Truck Shop tool Room	Tool Cabinet #2 Tool Cabinet #2
Guide Pin Go/No-Go Gauges	Truck Shop tool Room	Tool Cabinet #2 Tool Cabinet #2
Brake Pad Slack Adjuster Go/No-Go Gauge	NOT AVAILABLE	
Brake Pad Thickness Go/No-Go Gauge Coupler Hook Buff & Pull Go Gauge	NOT AVAILABLE Truck Shop tool Room	Tool Cabinet #1
Coupler Hook Buff & Pull No-Go Gauge	Truck Shop tool Room	Tool Cabinet #1
Stopwatch Straight Edge	NOT AVAILABLE NOT AVAILABLE	
∝T-shaped» Straight Edge	GB PI Floor	GB PI Floor
Throat Opening "No-Go" Gauge Coupler Hook "No-Go" Gauge	Truck Shop tool Room Truck Shop tool Room	Tool Cabinet #1 Tool Cabinet #1
Coupler Hook =130-Go" Gauge Coupler Hook Extension Tool	Truck Shop tool Room	Tool Cabinet #1
		T 1.0
		Task 2
TOOLS	LOCA	ATION ASSIGNED LOCA
Ultrasonic Diagnostic Tool		
		Table 2
		Task 3
TOOLS	LOCA	ATION ASSIGNED LOCA
Digital Multimeter	Each assigned their own	
Handle for Electrical Couplers		
SAFT Filler Pistol		
	,	
		Table 2
		Task 3
TOOLS	LOCA	ATION ASSIGNED LOCA
Digital Multimeter	Each assigned their own	
Armature Gap Gauge, Sécheron 4H3S2028 Main Contact Tip Gauge, Sécheron 4H3S2029		
Interlock Overtravel Gauge, Sécheron 4H3S20	30	
		Task 4
TODILS PTU Laptop with Connecting Cables (Ethernet	LOCA ai Fastenal	ATION ASSIGNED LOCA
Signal Generator, GRATTEN ATF20B DDS or	equivalent	
VEAM Circular Connector FRCIR06F-10SL-3S	-F80-VO	
		Tools E
		Task 5
TOOLS	LOCA	ATION ASSIGNED LOCA
PTU Laptop with Connecting Cables (Ethernet HVAC Manifold Gauge Set	ar Fastenal Each assigned their own	
Differential Air Pressure Switch Tester		<u> </u>
Digital Thermometer Infrared Thermometer		
Cooling Spray		
Thermal (Infrared) Gun		
		T 1 4
		Task 6
TOOLS	LOCA	ATION ASSIGNED LOCA
Grease Gun (R51-20-0029)	On grease cart/ Grease Room	Grease Room
Torque Wrench, 80 ft-lbs	Truck Shop tool Room	Tool Cabinet #2
		Task 7
T001 S	1-00-	
TOOLS Direct Reading Gauges - Brake Rates	Truck Shop tool Room	Tool Cabinet #1
		Tack 9
		1451 0
TOOLS	LOCA	
TOTOLES Threshold Height T-Square Gauge Threshold Height Reference Bar	GREENBELT PIFLOOR GREENBELT PIFLOOR	ATION ASSIGNED LOCA' GREENBELT PIFLOOR GREENBELT PIFLOOR

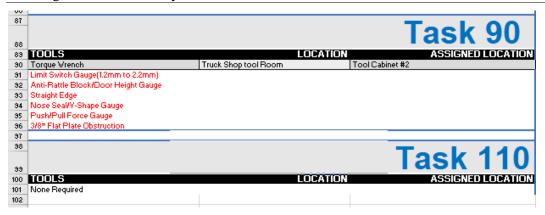
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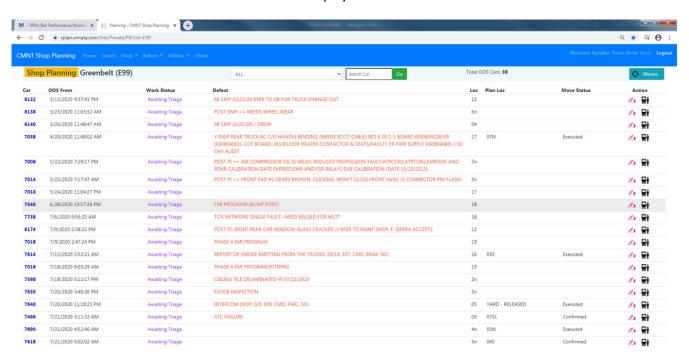


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Attachment 4 – Greenbelt Railcars Out of Service Display Screen.



¹ The rail transit agency must provide WMSC with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing WMSC verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature		Date 07/24/2020
Inspector in Charge – Name	Inspection Team	
Manuel Lopez	Manuel Lopez	