



Inspection Form

Form WMSC-IR-1

Washington Metrorail Safety Commission

Agency/Department Information

Inspection Date	YYYY/MM/DD 2021/09/07	Report Number	20210902-WMSC-MAL-1
Rail Agency Name	Washington Metropolitan Area Transit Authority	Rail Agency Department	Name
Rail Agency Department	CMNT	Contact Information	
Inspection Location	Shady Grove S&I Shop - Railyard A99 15903 Somerville Drive Rockville, MD 20855		

Inspection Summary

Inspection Activity #	1
Activity Code	VM-WI-PI
Inspection Units	1
Inspection Subunits	1
Defects (Number)	1
Recommended Finding	Yes
Remedial Action Required¹	No
Recommended Reinspection	No

Activity Summaries

Inspection Activity #	1	Inspection Subject	Shop / Yard Inspection Observation				Activity Code	VM-WI-PI			
Job Briefing Employee Name/Title	WMATA Inspection	Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	08:00 AM	Outside Shift	No		
Related Reports	N/A	Related CAPS / Findings			N/A						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard	Other / Title			Checklist Reference			
	MetroRail Safety Rules and Procedures Handbook (MSRPH). Section 4 –Safety Rules	N/A		N/A	N/A			N/A			
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	WMSC Office	Track Type	At-grade	Tunnel	Elevated	N/A
		X									
Line(s) & Track Number	Shady Grove S&I Shop - Railyard A99 15903 Somerville Drive Rockville, MD 20855			Chain Marker and/or Station(s)		From		To			
						N/A		N/A			
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				
	N/A		N/A								
Description	<p>WMSC Inspector conducted a rules compliance inspection of the Shady Grove S&I Shop and Yard for compliance with the Metrorail Safety Rules and Procedures Handbook (MSRPH), including Preventive Maintenance Inspections (PMI) activities. General Information: o WMSC's team met with Shady Grove's Shift Supervisor, Inspection Office Supervisor, CMNT mechanic, and CENV engineer. The following observations were conducted: Shop Equipment, Hazard, and Safety Observations o Received good support from the Shady Grove S&I Shop and Yard personnel. o Noticed that the S&I Shop was upgraded with LED lighting. o Noticed the proper use of blue flag protection. See Attachment #1. o Noticed the proper use of wheels chocks along with flags. o Finding #1 - Noticed left-over ties and a missing third rail cover by the S&I shop apron. These yard debris and missing third rail cover create a hazard for mechanics conducting daily inspection on railcars at night. See Attachment #2. Railcar Equipment o Noted observation. During PI inspections, the gear box on 7K series railcars is checked by pushing and pulling on the gear box along the axle. If the gear box experiences excessive play, then it is reported to Kawasaki for repairs. CMNT personnel stated that the gearbox on 7K railcars is supported differently than on legacy railcars. The gear box on 7K railcars is supported by the wheel axle, while the gear box on legacy railcars is supported by the truck frame. This type of 7K cantilever support causes lateral movements of the gear box when is operating. o Current collector shoes are marked with the railcar number. This marking allows personnel to locate broken current collector shoes on the mainline and trace it back to a railcar. By determining the railcar number and location of the broken current collector shoe, the cause of the failure can be determined. See Attachment #3.</p>							Number of Defects		1	
								Recommended Finding?		Yes	
								Remedial Action Required?		No	
								Recommended Reinspection?		No	
Remedial Action											

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's Signature	Date
---------------------------------	------



Inspection Form

Form WMSC-IR-1

Washington Metrorail Safety Commission

		2021/09/07
Inspector in Charge's Name Manuel Lopez	Inspection Team JeMayne Walker	