



Inspection Form

Form WMSC-IR-1

Washington Metrorail Safety Commission

Agency/Department Information

Inspection Date	YYYY/MM/DD 2021/07/12	Report Number	29210630-WMSC-MAL-1
Rail Agency Name	Washington Metropolitan Area Transit Authority	Rail Agency Department	Name
Rail Agency Department	CMNT	Contact Information	
Inspection Location	Greenbelt MRO Shop - Railyard E99 5801 Sunnyside Ave, College Park, MD 20740		

Inspection Summary

Inspection Activity #	1
Activity Code	VM-WI-PI
Inspection Units	1
Inspection Subunits	0
Defects (Number)	1
Recommended Finding	Yes
Remedial Action Required¹	No
Recommended Reinspection	No

Activity Summaries

Inspection Activity #	1	Inspection Subject	Shop/Yard				Activity Code	VM-WI-PI				
Job Briefing Employee Name/Title	CENV Engineering	Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	07:30 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										X
Line(s) & Track Number	Greenbelt MRO Shop - Railyard E99 5801 Sunnyside Ave, College Park, MD 20740			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 an on-site rules compliance inspection of the Greenbelt MRO Shop during a dry-run training session to overhaul 6K couplers. The inspector reviewed overhaul documents, special tools, spare parts, new parts, and new test stand equipment during the overhaul process performed at this facility for compliance with Metrorail Safety Rules and Procedures Handbook (MSRPH), as well as equipment maintenance activities, and documentation.</p> <p>General Information: WMSC's inspector reviewed the dry-run training session to overhaul 6K couplers at the Greenbelt MRO Shop facility. Overhaul documents, special tools, spare parts, new parts, and new bench test equipment were reviewed:</p> <p>The subject Dry-Run training session was conducted over four days to overhaul the front coupler and a semi-permanent coupler of 6K railcars. The information covered here is still preliminary since changes are still being incorporated into the overhaul documentation. Documentation – Draft MSIs 150087 and 150091. CENV expects to complete incorporating comments in these two MSIs within two weeks. Information from these MSIs will be used to update SMD documents and PI manuals. A test procedure is also being developed to test the couplers on railcars after they have been overhauled.</p> <p>New tools –</p> <ul style="list-style-type: none"> • Include several threads go, and no-go gauges. See Attachment #2. • Three-point micrometer to check coupler threads. See Attachment #3. • Dellner test stand to hold the coupler. See Attachment #4. • Load cell, coupler torque bracket, and torque bar to apply the correct torque while installing the draft bar on the coupler head. <p>New parts – A new safety clamp was added to the coupler design per recommendations by Dellner. See Attachment #5.</p> <p>Finding # 1 - WMSC stated that the new part needs to be approved by WMATA's Engineering Modification Process (EMI) approval process for use. An EMI requires new parts to be tested on WMATA's railcars via an Engineering Test Plan (ETP) for approval.</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



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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 2021/07/12
Inspector in Charge's Name Manuel Lopez	Inspection Team N/A	