



Inspection Form

Form WMSC-IR-1

Washington Metrorail Safety Commission

Agency/Department Information

Inspection Date	YYYY/MM/DD	Report Number	20240920-WMSC-MAL-1
	2024/10/04		
Rail Agency Name	Washington Metropolitan Area Transit Authority	Rail Agency Department Contact Information	Name
Rail Agency Department	CMNT		
Inspection Location	Brentwood S&I Shop - Railyard B99 601 T Street NE Washington DC 20002		

Inspection Summary

Inspection Activity #	1
Activity Code	VM-WI-PI
Inspection Units	1
Inspection Subunits	1
Defects (Number)	2
Recommended Finding	Yes
Remedial Action Required¹	No
Recommended Reinspection	No

Activity Summaries

Inspection Activity #	1	Inspection Subject	Observation 7K SMP and SMD process				Activity Code			VM-WI-PI			
Job Briefing Employee Name/Title	WMATA Inspection		Accompanied Inspector?		Yes	Out Brief Conducted	Yes	Time	06:30 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 OPERATING RULEBOOK FIRST EDITION Effective: Sept 1, 2023, 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	Brentwood S&I Shop - Railyard B99 601 T Street NE Washington DC 20002				Chain Marker and/or Station(s)		From			To			
					N/A		N/A			N/A			
Vehicles	Head Car Number		Number of Cars		Equipment		N/A						
	N/A		N/A										
Description	<p>WMSC Inspectors conducted a rules compliance of the Brentwood S&I Shop and Yard in compliance with the Metrorail Operating Rules and Procedures Handbook (MOR), including Scheduled Maintenance Program (SMP) and Wheel Replacement Program (WRP) activities. - General Information: WMSC inspectors met with personnel from the CMNT Inspection Office, Truck shop, Scheduled Maintenance Program (SMP), and the Wheel Replacement Program (WRP). The following observations were noted. - WMSC conducted an early morning visit of the Brentwood S&I shop. WMSC noticed an active S&I Shop where personnel were actively working on numerous tasks. There were numerous railcars and trucks on the floor and on lifts being overhauled, there was equipment being transported via cranes, there was work being done on the SMP and WRP process, and there were numerous mechanics working on these projects. This was a very active shop for the duration of the three-hour visit. - Discussed the status of the wheel pressing process for 7K railcars. Wheel press machines at Brentwood and Dulles are operational and the wheel boring machine at Greenbelt is operational. Wheel press operators stated that they have not had any misfits while pressing wheels during the last 3 months. Both Brentwood personnel gave credit for the high success rate on choosing wheels with high surface roughness factor of RA 120 or greater and choosing an interference fit of around 6.7 thousandths of an inch. They also stated that the surfaces need to be clean, and all imperfections need to be removed from both the wheels and axles. This is done by hand via metal sandpaper. - Defect #1 - An observation of SMP operation revealed that new caliper mounting brackets are being thrown away during the SMP truck overhaul process. It was stated that CENV engineering does not require the mounting bracket replaced. CMNT personnel stated that the mounting bracket sometimes comes with the brake caliper unit and sometimes it doesn't. CENV engineering is in the process of correcting this discrepancy with Knorr so that the mounting bracket does not come with the caliper. See Attached Photo #1.</p>										Number of Defects		2
											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 2024/10/04
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Inspector in Charge's Name Manuel Lopez	Inspection Team John DeRenzo
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