



## Inspection Form

**Form WMSC-IR-1**

Washington Metrorail Safety Commission

**Agency/Department Information**

<b>Inspection Date</b>	YYYY/MM/DD 2023/11/12	<b>Report Number</b>	20231018-WMSC-MAL-1
<b>Rail Agency Name</b>	Washington Metropolitan Area Transit Authority	<b>Rail Agency Department</b>	Name
<b>Rail Agency Department</b>	CMNT	<b>Contact Information</b>	
<b>Inspection Location</b>	Greenbelt S&I Shop - Railyard E99 5801 Sunnyside Ave, College Park, MD 20740		

**Inspection Summary**

<b>Inspection Activity #</b>	1
<b>Activity Code</b>	VM-WI-PI
<b>Inspection Units</b>	1
<b>Inspection Subunits</b>	1
<b>Defects (Number)</b>	3
<b>Recommended Finding</b>	Yes
<b>Remedial Action Required<sup>1</sup></b>	No
<b>Recommended Reinspection</b>	No

**Activity Summaries**

<b>Inspection Activity #</b>	1	<b>Inspection Subject</b>	Observation 7K Wheel Boring Process				<b>Activity Code</b>	VM-WI-PI			
<b>Job Briefing Employee Name/Title</b>	WMATA Inspection		<b>Accompanied Inspector?</b>		No	<b>Out Brief Conducted</b>		<b>Time</b>	07:30 AM	<b>Outside Shift</b>	No
<b>Related Reports</b>	N/A		<b>Related CAPS / Findings</b>			N/A					
<b>Related Rules, SOPs, Standards, or Other</b>	<b>Ref</b>	<b>Rule or SOP</b>			<b>Standard</b>		<b>Other / Title</b>			<b>Checklist Reference</b>	
	METRRAIL OPERATING RULEBOOK FIRST EDITION Effective: Sept 1, 2023, Safety Rules	N/A			N/A		N/A			N/A	
<b>Inspection Location</b>	<b>Main Track</b>	<b>Yard</b>	<b>Station</b>	<b>OCC</b>	<b>RTA Facility</b>	<b>WMSC Office</b>	<b>Track Type</b>	<b>At-grade</b>	<b>Tunnel</b>	<b>Elevated</b>	<b>N/A</b>
		X									
<b>Line(s) &amp; Track Number</b>	Greenbelt S&I Shop - Railyard E99 5801 Sunnyside Ave, College Park, MD 20740				<b>Chain Marker and/or Station(s)</b>		<b>From</b>		<b>To</b>		
							N/A		N/A		
<b>Vehicles</b>	<b>Head Car Number</b>		<b>Number of Cars</b>		<b>Equipment</b>		N/A				
	N/A		N/A								
<b>Description</b>	<p>WMSC Inspectors conducted a rules compliance inspection of the wheelset assembly process at the Greenbelt S&amp;I Shop for compliance with the Metrorail Operating Rule and Procedures Handbook (MOR), including Preventive Maintenance Inspections (PI) activities. General Information: WMSC met with personnel from Greenbelt's truck shop, and personnel from CMOR quality assurance group during the boring process. The wheel boring machine's operator took the lead in going through the process from the start when the wheel is received, cleaned, checked, bored, marked, data sheets completed, and prepared ready for transportation to the desired location. The following observations were noted. Went through the boring process of one wheel. The boring machine requires highly skilled operators to properly operate the machine. Four mechanics have been trained to operate the machine. Wheels are moved around with overhead cranes and forklifts. WMATA stated that they can bore six to eight wheels per day. The boring machine can produce an accuracy of plus or minus 4 ten thousandth of an inch (± .0004 inch). CMOR QA oversaw the process. WMATA stated that wheels are not normally protected with an anti-rust coating, after being cut, since they get used immediately. A completed bored wheel with holes for the brake disk. See attached Photo #1.</p>							<b>Number of Defects</b>		3	
								<b>Recommended Finding?</b>		Yes	
								<b>Remedial Action Required?</b>		No	
								<b>Recommended Reinspection?</b>		No	
<b>Remedial Action</b>											

<sup>1</sup> 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.

<b>Inspector in Charge's Signature</b>	<b>Date</b> 2023/11/12
<b>Inspector in Charge's Name</b> Manuel Lopez	<b>Inspection Team</b> No.