



## Inspection Form

**Form WMSC-IR-1**

Washington Metrorail Safety Commission

**Agency/Department Information**

<b>Inspection Date</b>	YYYY	MM	DD	<b>Report Number</b>	20210322-WMATA-LBW-2		
	2021	03	19				
<b>Rail Agency Name</b>	Washington Metropolitan Area Transit Authority			<b>Rail Agency Department</b>	Operations	<b>Sub-Department</b>	Vehicles
<b>Rail Agency Department Contact Information</b>	<b>Name</b>		<b>Email</b>		<b>Office Phone</b>		<b>Mobile Phone</b>
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
<b>Inspection Location</b>	Greenbelt Yard						

**Inspection Summary**

Inspection Activity #	1	2	3	4	5	6
<b>Activity Code</b>	RTRA-GEN-OBS					
<b>Inspection Units</b>	1					
<b>Inspection Subunits</b>	0					
<b>Defects (Number)</b>	8					
<b>Recommended Finding</b>	No					
<b>Remedial Action Required<sup>1</sup></b>	Yes					
<b>Recommended Reinspection</b>	Yes					

**Activity Summaries**

<b>Inspection Activity #</b>	1	<b>Inspection Subject</b>	Radio Communications – Greenbelt Yard				<b>Activity Code</b>		RTRA	GEN	OBS
<b>Job Briefing Employee Name/Title</b>	Greenbelt Interlocking Operator and S/I Supervisor		<b>Accompanied Inspector?</b>	NA	<b>Out Brief Conducted</b>	Yes	<b>Time</b>	1130	<b>Outside Shift</b>	Yes	
<b>Related Reports</b>	N/A		<b>Related CAPS / Findings</b>								
<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>		
<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						X			
<b>Line(s)</b>	E-99	<b>Track Number</b>			<b>Chain Marker and/or Station(s)</b>		<b>From</b>		<b>To</b>		
							NA	NA			
<b>Vehicles</b>	<b>Head Car Number</b>		<b>Number of Cars</b>		<b>Equipment</b>						
<b>Description</b>	The WMSC Inspector conducted a radio inspection of the Greenbelt Rail Yard. This inspection resulted from two SAFE incident reports E20350 and E20280 that were recently adopted by the WMSC.						<b>Number of Defects</b>		8		



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<p><b>E20350</b> is a red signal overrun in the Greenbelt Yard on September 15, 2020. A Train Operator assigned to move rail incorrectly repeated back instructions from the Interlocking Operator and followed those incorrect instructions rather than the instructions provided. The Interlocking Operator attempted to correct the mistaken repeat back, but the train operator did not acknowledge that correction. Both the Train Operator and the Interlocking Operator stated that there are known radio communications issues in the Greenbelt Yard that have not been addressed by Metrorail.</p> <p><b>E20280</b> involves a derailment in the Greenbelt Rail Yard on July 30th, 2020. The interlocking operator, who is responsible for yard operations, only learned of the derailment approximately 26 minutes after it occurred when a ROCC Assistant Superintendent called to ask for more information. The Interlocking Operator attempted to contact PM58 via radio two different times at 23:38:43 and 23:39:38 and was unsuccessful. The interlocking operator did not reach the work crew on the radio, so the interlocking operator had to leave the tower to determine what happened</p> <p>The radio inspection was accomplished by performing radio checks with the Greenbelt interlocking operator from various locations throughout the rail storage yard. The inspector also monitored radio communications of the interlocking operator and WMATA personnel in the performance of their duties. Prior to beginning the inspection, the WMSC inspector conducted a briefing with the Greenbelt Yard interlocking operator to discuss the inspection activities. The WMSC inspector also conducted a second briefing with the shop supervisor prior to beginning the radio inspection within the service and inspection facility.</p> <p>An exit briefing was conducted with the interlocking operator and the Greenbelt Yard operations superintendent.</p> <p><b><u>Radio Check Locations</u></b>          E99-190 outside the paint shop          Lead tracks 25 South          Lead tracks 7 North          Lead tracks 4 North          Lead tracks 1 North (Car Wash)          Lead tracks 2 South          Lead tracks 5 South          Bump post track 16 (<b>Communication inconsistent</b>)          E99-132 track 16 from car 3159          Lead tracks 18 North (<b>Communication inconsistent</b>)          Lead tracks 19 North (<b>Communication inconsistent</b>)          Bump post track 7 (<b>Communication inconsistent</b>)          Bump post track 3          Track 3 walking through listening (<b>Communication inconsistent</b>)          Track 3 open end at E99-106 (<b>Communication inconsistent</b>)          Car 2058/9 lead track to Door 26 (<b>Operator could not hear I/O</b>)          E99-44 and E99-48 (<b>Operator could not hear I/O</b>) I/O requested multiple radio repeat conformations</p> <p><b><u>Inside S&amp;I Shop</u></b>          3 South (<b>Communication inconsistent</b>)          5 South (blow pit) (<b>Failed radio check</b>)</p>	<p><b>Recommended Finding?</b></p> <p><b>Remedial Action Required?</b></p> <p><b>Recommended Reinspection?</b></p>	<p style="text-align: center;">No</p> <p style="text-align: center;">No</p> <p style="text-align: center;">Yes</p>
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	<p>4 South (blow pit) <b>(Failed radio check)</b></p> <p>As clear and effective communications within the Greenbelt Rail Yard are vital for the safety of personnel and equipment, the WMSC inspector is recommending additional inspections. The lack of consistent radio communications at the Greenbelt Yard needs to be addressed immediately.</p>		
<b>Remedial Action</b>	N/A		

<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 – Signature</b>		<b>Date</b> 03/22/21
<b>Inspector in Charge – Name</b> Bruce Walker	<b>Inspection Team</b> Bruce Walker	