



## Inspection Form

**Form WMSC-IR-1**

Washington Metrorail Safety Commission

**Agency/Department Information**

<b>Inspection Date</b>	YYYY	MM	DD	<b>Report Number</b>	20191121-WMSC-MAL-1		
	2019	11	21				
<b>Rail Agency Name</b>	Washington Metropolitan Area Transit Authority			<b>Rail Agency Department</b>	CTEM	<b>Sub- Department</b>	Alexandria Yard
<b>Rail Agency Department Contact Information</b>	<b>Name</b>		<b>Email</b>		<b>Office Phone</b>		<b>Mobile Phone</b>
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<b>Inspection Location</b>	Alexandria CTEM Shop - Railyard C99 3201 Eisenhower Avenue Alexandria VA 22314						

**Inspection Summary**

Inspection Activity #	1	2	3	4	5	6
<b>Activity Code</b>	VM-WI-PI					
<b>Inspection Units</b>	1					
<b>Inspection Subunits</b>	1					
<b>Defects (Number)</b>	0					
<b>Recommended Finding</b>	No					
<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>				Shop / Yard Inspection Observation			<b>Activity Code</b>			VM	WI	PI	
<b>Job Briefing Employee Name/Title</b>	WMATA Inspection			<b>Accompanied Inspector?</b>	Yes	<b>Out Brief Conducted</b>	Yes	<b>Time</b>	08:00-10:00	<b>Outside Shift</b>	No				
<b>Related Reports</b>	N/A			<b>Related CAPS / Findings</b>		TOC-COL-15-003-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>					
	MetroRail Safety Rules and Procedures Handbook (MSRPH). Section 4– Safety Rules		FTA Safety Directive 16-2												
<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>	E99	<b>Track Number</b>		N/A	<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								



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	N/A	N/A			
<b>Description</b>	<p>WMSC Inspector conducted a rules compliance observation at the Greenbelt Car Track Equipment Maintenance (CTEM) Shop, Yard, and equipment at Greenbelt. The inspector observed activities at the CTEM Shop for compliance with the Metrorail Safety Rules and Procedures Handbook (MSRPH), including Preventive Maintenance Instructions (PMI) activities, special tools, and calibration procedures. WMSC inspector observed status of Corrective Action Plans (CAPs). Received good support from CTEM's staff. The following observations were noted:</p> <p><b>CTEM Shop Observation</b></p> <p>Met with the Assistant Superintendent, the Regional Shop Supervisor, and others. Alexandria is one of four shops that perform equipment PMIs as well as Corrective Measures (CM), and Engineering Modification Instructions (EMIs). The other CTEM shops are in New Carrollton, Greenbelt, and Branch Avenue yards. The shop at Greenbelt takes care of the heavy equipment, the shop at Alexandria takes care of heavy equipment plus flat cars, the shop at New Carrollton takes care of small vehicles plus handheld equipment, and the shop at Branch Avenue takes care of small rail tie equipment.</p> <p><b>General Information</b></p> <ul style="list-style-type: none"> <li>• CTEM's staff holds Safety Committee meetings the second Wednesday of every month at selected shop locations.</li> <li>• Fire extinguishers are inspected every month.</li> <li>• Welding carts are now required to have a metal barrier between the acetylene and the oxygen tanks.</li> <li>• CTEM maintains running rail de-icer equipment for use by Track and Structures (TRST).</li> <li>• CTEM project coordinator handles the availability and use of CTEM equipment with TRST and other departments.</li> <li>• PMIs requires that fluids are drained from all CTEM equipment every two years.</li> <li>• Flammable storage cabinets included both NFPA 704 hazard classification labels and individual material labels for proper storage and separation.</li> <li>• The Alexandria CTEM shop facility has been certified for hot works operation by WMATA's hygiene and the Fire Marshal departments. <b>See attached photo 1.</b></li> <li>• <b>Hot works operations are required to use Portable Fume Extractors, during welding or metal cutting operations. See attached photo 2.</b></li> <li>• PMI are conducted on the average every 90 days on each equipment. Each PMI takes approximately three days to complete. CTEM publishes daily preventive maintenance status reports, which states the name of the equipment, type, shop location, and when the equipment is due for preventive maintenance. <b>See attached photo 3.</b></li> <li>• <b>Alexandria's Shop needs a portable scaffold support structure to reach roof mounted equipment. This issue will be brought up at the next WMSC/CTEM monthly meeting.</b></li> <li>• CTEM management is implementing a new initiative to install transponders in all CTEM equipment so that equipment can be easily located anywhere on the mainline, especially if the equipment breaks down.</li> <li>• The lighting at the CTEM shop in Alexandria was recently upgraded with LED lights. <b>The lighting inside the open pit is poor and needs to be upgraded. This issue will be brought up at the next WMSC/CTEM monthly meeting.</b></li> <li>• CTEM equipment was properly secured and blue flag protection was in place.</li> <li>• CTEM personnel uses part of the day on Fridays as a day to clean up the yard from debris, trash, and weeds.</li> <li>• CTEM personnel are certified to operated CTEM equipment, but only within the yard limits (not on the mainline). The CTEM operator's license needs to be renewed once a year.</li> </ul>			<b>Number of Defects</b>	0
				<b>Recommended Finding?</b>	No
				<b>Remedial Action Required?</b>	No
				<b>Recommended Reinspection?</b>	No



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	<ul style="list-style-type: none"> <li>Received good cooperation from CTEM.</li> </ul> <p><b>CTEM Equipment</b> WMSC Inspector did not note any new CTEM compliance defects.</p>		
<b>Remedial Action</b>	N/A		
<b>Effective Practices</b>	<p>Effective Practices</p> <p>CTEM management is implementing a new initiative to install transponders in all CTEM equipment so that equipment can be easily located anywhere on the mainline, especially if it breaks down.</p> <p>CTEM personnel uses part of the day on Fridays as a day to clean up the yard from debris, trash, and weeds.</p>		

Photos:



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Photo 1 – Alexandria CTEM Shop Hot Works Permit



Photo 2 – Portable Fume Extractor, Model 73-200





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Photo 3 – Daily Preventive Maintenance Status Report



<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>Manuel Lopez</b>		<b>Date</b> <b>11/21/2019</b>
<b>Inspector in Charge – Name</b> <b>Manuel Lopez</b>	<b>Inspection Team</b> <b>Manuel Lopez</b>	