



## Inspection Form

**Form WMSC-IR-1**

Washington Metrorail Safety Commission

### Agency/Department Information

<b>Inspection Date</b>	YYYY	MM	DD	<b>Report Number</b>	20191105-WMATA-KEK-3		
	2019	11	05				
<b>Rail Agency Name</b>	Washington Metropolitan Area Transit Authority			<b>Rail Agency Department</b>	ATC BASIC	<b>Sub- Department</b>	STC - Maintenance
<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>	Orange Line – D99 New Carrollton Yard – 4700 Garden City Dr., New Carrollton, Md 20784						

### Inspection Summary

Inspection Activity #	1	2	3	4	5	6
<b>Activity Code</b>	STC-OBS-TM	STC-OBS-TM	STC-OBS-TM	STC-OBS-TM		
<b>Inspection Units</b>	US&S Switch #99	US&S Switch #97	US&S Switch #93	US&S Switch #95		
<b>Inspection Subunits</b>	7J External CC	7J External CC	7J External CC	7J External CC		
<b>Defects (Number)</b>	0	0	0	1		
<b>Recommended Finding</b>	0	0	0	Faulty Operation		
<b>Remedial Action Required<sup>1</sup></b>	NO	NO	NO	YES		
<b>Recommended Reinspection</b>	NO	NO	NO	YES		

### Activity Summaries

<b>Inspection Activity #</b>	4	<b>Inspection Subject</b>	ATC – Monthly Inspection - Observation				<b>Activity Code</b>		ATC	OBS	WI
<b>Job Briefing Employee Name/Title</b>	WMATA RWIC ██████████, ATC, Mech "C"		<b>Accompanied Inspector?</b>	YES	<b>Out Brief Conducted</b>	YES	<b>Time</b>	1700	<b>Outside Shift</b>	YES	
<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>			
	WO#15347866	ATC – 1000		O&M		Form 1008		ATC-1000			
<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			TCR-D99			<b>YARD</b>			
<b>Line(s)</b>	D-Line	<b>Track Number</b>	99T, 97T, 109T, & 124T		<b>Chain Marker and/or Station(s)</b>	<b>From</b>			<b>To</b>		
			D99 (New Carrollton Yard) TCR/Tower Location			D99 (New Carrollton Yard) Traction Power Building					

<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 – Kemmery E. Kendrick</b>		<b>Date</b> November 6, 2019
<b>Inspector in Charge – Name</b> Kemmery E. Kendrick	<b>Inspection Team</b> Washington Metrorail Safety Commission – ATC SME	



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<b>Vehicles</b>	Head Car Number	Number of Cars	<b>Equipment</b>	Walk through inspection, ¼ guage obstruction testing. Additionally, observing for loose connections, missing parts and faulty operation	
	N/A	N/A			
<b>Description</b>	<p>WMATA personnel under the protection of a WMATA RWIC, [REDACTED], Mechanic "C", ATC department performed the required Job Safety Briefing for performing 1008 – Switch Obstruction Test; in accordance with WMATA ATC—1000 Switch Inspections.</p> <p>RWIC informed all personnel that work being performed would take place in the yard, within the interlocking, using ETO, via Local Control, and Watchmen Lookout. Additionally, assuring that area around switches are free of debris, and observing for faulty operation.</p> <p>No other work groups were out in the yard performing maintenance.</p> <p>Test Location: D99, New Carrollton Rail Yard, 4700 Garden City Drive, New Carrollton, MD 20784.</p> <p>With permission requested and granted by Yard OCC for local control, the inspection commenced at approximately 1700 hours.</p> <p>Notable Observations:</p> <ol style="list-style-type: none"> <li>1. 1 Employee refuses to wear appropriate PPE – glasses &amp; hard hat</li> <li>2. Excessive tripping hazards in yard -1008 states "area must be free of debris"</li> <li>3. Switches are old with few spare parts. Switch machine state of repair indicated need of new switch machines in near term.</li> <li>4. Switch 95B failed during inspection to lock reverse. It continued to cycle/slip causing motor to run hot.</li> <li>5. Leaf Blowers needed for removal of leaves that are susceptible to catching fire around switch heaters.</li> <li>6. Liquid Tight Conduit switch #99 located at conversion point 124 &amp; 99T is not connected properly. Showing signs of gapping, permitting rodents/mice to gain access to cables for damage</li> </ol>			<b>Number of Defects</b>	1
				<b>Recommended Finding?</b>	Yes
				<b>Remedial Action Required?</b>	Yes
				<b>Recommended Reinspection?</b>	YES
<b>Remedial Action</b>	<p>New switches recommended to retire the old. Gas Leaf blowers needed for removal of leaves around and imbedded in points to reduce fires around switch heaters. More Technicians needed in yard to increase productivity. Tripping hazards and trash around switches and points need rectifying. Please see pictures below.</p> <p>Switch #95 US&amp;S YM-2000 required on the spot corrective action due to faulty operation during inspection. Switch required adjustment. After adjustment, ATC group retested switch for proper operation, and left it working as intended.</p> <p>WMSC to revisit yard for reinspection (30 days). Looking specifically for removal of leaves, trash from switches/points, and switch heaters. Assure that Liquid Tight connections are sealed properly. Looking for removal of tripping hazards, and lastly, reinspection of switch #95 for proper operation or replacement.</p>				

