



Inspection Form

Form WMSC-IR-1

Washington Metrorail Safety Commission

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20200214-WMSC-MAL-1		
	2020	02	14				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	CMNT	Sub- Department	West Falls Church Yard
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	West Falls Church S&I Shop - Railyard K99 7253 Idylwood Road Falls Church, Virginia 22043						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	VM-WI-PI					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	6					
Recommended Finding	No					
Remedial Action Required¹	No					
Recommended Reinspection	No					

Activity Summaries

Inspection Activity #	1	Inspection Subject	Shop / Yard Inspection Observation				Activity Code		VM	WI	PI
Job Briefing Employee Name/Title	WMATA Inspection			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	8:00-11:00	Outside Shift	No
Related Reports	N/A			Related CAPS / Findings		TOC-COL-15-003-A					
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference		
	MetroRail Safety Rules and Procedures Handbook (MSRPH). Section 4-- Safety Rules										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	WMSC Office	Track Type	At-grade	Tunnel	Elevated	N/A
		X									X
Line(s)	K99	Track Number	N/A		Chain Marker and/or Station(s)		From		To		
							N/A		N/A		
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				



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	N/A	N/A			
Description	<p>WMSC Inspector conducted a Rules Compliance observation at the West Falls Church (WFC) S&I Shop, Yard, and Car Wash Facility. The inspector observed activities at the S&I Shop for compliance with Metrorail Safety Rules and Procedures Handbook (MSRPH), as well as Periodic Inspections (PI) activities, special tools, calibration procedures, and Car Wash Facility. WMSC inspector observed status of Corrective Action Plans (CAPs).</p> <p>General Areas:</p> <ul style="list-style-type: none"> The West Falls Church S&I Shop and Yard observations went well and received good cooperation from WMATA. The following observations were noted. Met with Superintendent, Assistant Superintendent, Acting Periodic Inspection Supervisor, and Inspection Office Supervisors. Job well done for WMATA. The following WMSC findings, brought up during previous inspections, have been resolved: <ul style="list-style-type: none"> WMATA resolved a previous WMSC finding which states "There is poor lighting inside the S&I Shop". The lighting system inside the West Falls Church's S&I Shop was upgraded with new LED lights. WMATA resolved a previous WMSC finding which states "Shop power unit # 11 at the S&I shop is not secured to the support structure and is unstable". The power unit # 11 was repaired. WMATA resolved a previous WMSC finding which states "Leaky roof. The S&I shop needs to be continuously mopped during rainy days". The leaky roof was replaced with a new roof. WMATA resolved a previous WMSC finding stating "Track debris/weed issues on the yard are creating unsafe conditions when CMNT mechanics need to preform DSTs on railcars at nighttime. The weeds are dense, and they reach the height of the railcars' side doors, which makes it a hazard to walk around the railcar and not be able to see the ground you are stepping on". The track debris were cleaned, and the weeds were cut. Need to implement a daily inspections and maintenance process where track debris are reported, and weeds are cut regularly. <p>PMI Procedures, Special Tools, and Calibration Procedures</p> <ul style="list-style-type: none"> PI books were properly organized and labeled for the task being performed. See attached Photo 1. PI supervisor stated they are working on creating PI kits for special tools. Some special tools had overdue calibration dates. See attached Photos 2 and 3. Will discuss at the next WMSC-CMNT monthly meeting. <p>Shop Equipment, Hazard, and Safety Observations</p> <ul style="list-style-type: none"> The Superintendent brought up the following new facility issue. Radio communications between the Inspection Office and personnel on the shop floor, yard, tower, and railcar operators is poor or is hard to hear. West Falls Church opened a work order ticket and discussed communication issues with the COMM's Department during a recent Local Safety Committee meeting. COMM's stated that the communication fix would require installing a new power rectifier but it's too expensive. West Falls Church received the first of new compact platforms, which are being procured and will be installed throughout S&I shops. This new platform is needed to reach 7000 series roof mounted equipment. See attached Photo 4. CMNT stated that lighting inside open pits is poor and needs to be upgraded. See attached Photo 5. Will discuss at the next WMSC-CMNT monthly meeting. 			Number of Defects	6
				Recommended Finding?	No
				Remedial Action Required?	No
				Recommended Reinspection?	No



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	<ul style="list-style-type: none"> <i>Hazardous material storage cabinets did not have individual material labels for proper storage and separation. See attached Photos 6 and 7. Will discuss at the next WMSC-CMNT monthly meeting.</i> <i>Noted missing third rail cover boards adjacent to the S&I Shop. Need to implement daily inspections and maintenance process where third rail covers are reported and replaced regularly. West Falls Church opened a Work Order ticket for replacing the cover boards. See attached photo 8. Will discuss at the next WMSC-CMNT monthly meeting.</i> <i>Noted large sections of concrete are spalling from the shop apron and they are creating trip hazards for personnel working on the apron. See attached photo 9.</i> <p>Railcar Equipment</p> <ul style="list-style-type: none"> <i>Bulkhead doors on 2K/3K series railcars are getting stuck. This is a safety concern. Will discuss at the next WMSC-CMNT monthly meeting.</i> Good initiative to locate broken railcar collector shoes. Collector shoes are being marked with the railcar number in order to locate them on the mainline and identify the railcar number where they are braking off. Locating and identifying collector shoes will allow maintenance personnel to determine the cause of damage by either determining if the third rail height is out of specification or if the railcar collector shoe height needs to be adjusted. <i>See attached Photo 10.</i> <p>Future visits</p> <ul style="list-style-type: none"> WMSC will coordinate effort with WMATA's Fire Marshall to conduct a hazardous material storage and handling observation at selected yards. 		
Remedial Action	N/A		
Effective Practices	<p>Effective Practices</p> <ul style="list-style-type: none"> Collector shoes are being marked with the railcar number in order to locate them on the mainline and identify the railcar where they came from. Locating and identifying collector shoes will allow maintenance personnel to determine the cause of damage, by either determining if the third rail height is out of specification or if the railcar collector shoe height needs to be adjusted. West Falls Church received the first of new compact platforms, which are being procured and will be installed throughout S&I shops. This new platform is needed to reach 7000 series roof mounted equipment. PI books were properly organized and labeled for the task being performed. See items listed above under Job well done for WMATA. 		

Photos:



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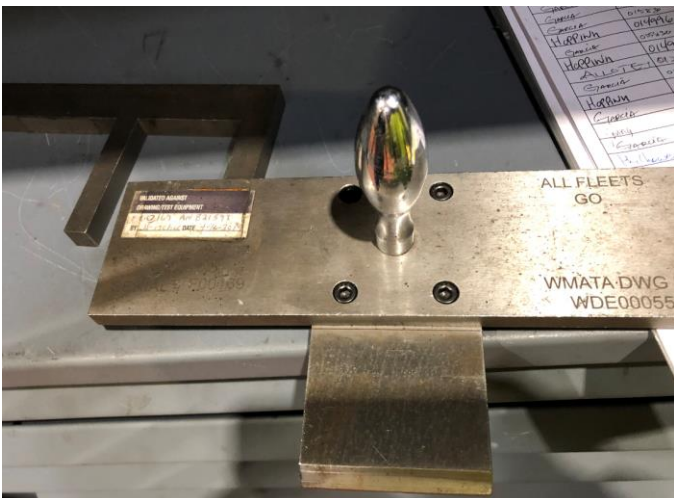
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Photo 1 – PI books were properly organized and labeled for the task being performed



Photos 2 and 3 – Some special tools had an overdue calibration date





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Photo 4 – WFC new compact platform is needed to reach 7000 series roof mounted equipment



Photo 5 – Lighting inside open pits is poor and needs to be upgraded





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Photos 6 and 7 - Hazardous material storage cabinets did not have individual material labels for proper storage and separation

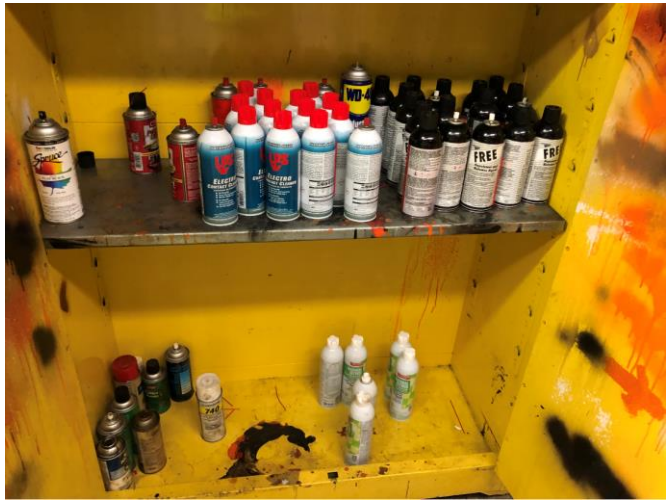


Photo 8 – Missing third rail cover boards adjacent to the S&I Shop





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Photo 9 – Large sections of concrete are spalling from the shop apron and they are creating trip hazards for personnel



Photo 10 – Collector shoes are being marked with the railcar number in order to locate them on the mainline and identify the railcar number where they are braking off





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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 - Signature		Date
		02/14/20
Inspector in Charge – Name	Inspection Team	
Manuel Lopez	Manuel Lopez	