



Inspection Form

Form WMSC-IR-1

Washington Metrorail Safety Commission

Agency/Department Information

Inspection Date	YYYY/MM/DD 2021/09/30	Report Number	20210928-WMATA-KEK-32
Rail Agency Name	Washington Metropolitan Area Transit Authority	Rail Agency Department	Name
Rail Agency Department	Signals & Automatic Train Control	Contact Information	
Inspection Location	Zone "C" TCR - C99 – Alexandria Yard, Alexandria V.A.		

Inspection Summary

Inspection Activity #	1
Activity Code	QAI
Inspection Units	1
Inspection Subunits	2
Defects (Number)	1
Recommended Finding	No
Remedial Action Required¹	Yes
Recommended Reinspection	Yes

Activity Summaries

Inspection Activity #	1	Inspection Subject	Pre-Testing FM 200 Fire Alarm & Suppression System				Activity Code	QAI			
Job Briefing Employee Name/Title	[REDACTED]	Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	07:30 AM	Outside Shift	No		
Related Reports	N/A		Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference		
	PTASP, MIL-STD-882C				WMATA SSCPP, WMATA ASP		AREMA Communication & Signals		FM 200 Schematics, Room Integrity MOP		
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	WMSC Office	Track Type	At-grade	Tunnel	Elevated	N/A
		X									
Line(s) & Track Number	Zone "C" TCR - C99 – Alexandria Yard, Alexandria V.A.			Chain Marker and/or Station(s)			From	To			
Vehicles	Head Car Number		Number of Cars		Equipment		FM 200 Fire System				
	N/A		N/A								
Description	Observation Inspection: Zone "C" Pretesting of newly installed Fire Alarm & Fire-Retardant system. Testing must be performed successfully before final system integration into the Signals and Automatic Train Control system.							Number of Defects		1	
								Recommended Finding?		No	
								Remedial Action Required?		Yes	
								Recommended Reinspection?		Yes	
Remedial Action	TCR bungalow within the yard will have to be upgraded with better seals around HVAC and Fans to properly support the use of the FM 200 Fire Retardant System. Specifically with respect to the Room Integrity Test, which failed during the pre-test. Proper sealing will have to be implemented to prevent the escape of the chemical used in the system to extinguish fires effectively. Without this proper seal the chemical will escape through the vents/cracks and HVAC systems reducing the effectiveness of the deployment/retention time of the retardant.										



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Photos:

Picture10.png



Picture11.png





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Picture12.png



Picture13.png





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Picture14.png



Picture15.png





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Picture2.png



Picture3.png





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Picture4.png



Picture5.png





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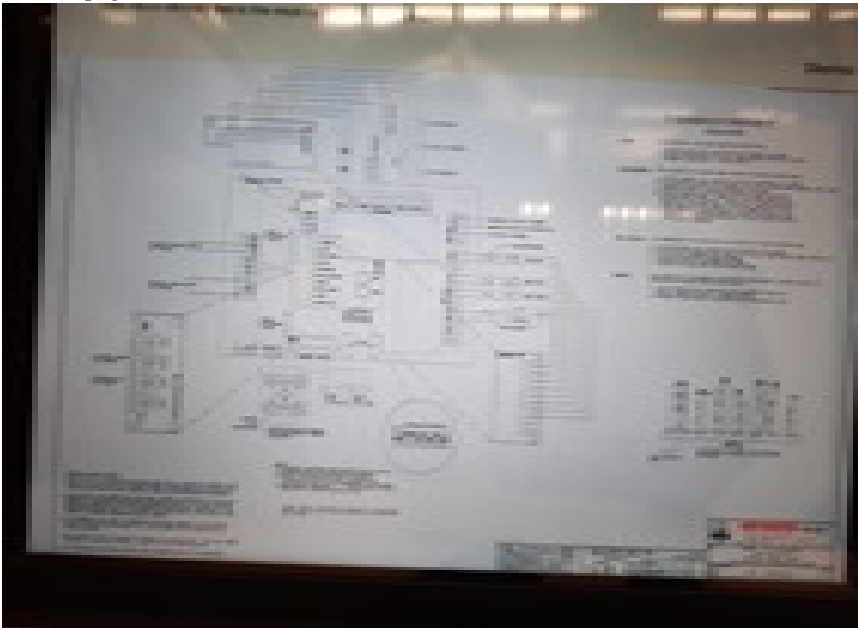
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Picture6.png



Picture7.png





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Picture8.png



Picture9.png



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's Signature		Date 2021/09/30
Inspector in Charge's Name Kemmerly Kendrick	Inspection Team Metrorail Train Control Project Inspector Richard David, WMSC Emergency Management Specialist	