



## Inspection Form

**Form WMSC-IR-1**

Washington Metrorail Safety Commission

**Agency/Department Information**

<b>Inspection Date</b>	YYYY	MM	DD	<b>Report Number</b>	20200727-WMSC-MAL-1			
	2020	07	27					
<b>Rail Agency Name</b>	Washington Metropolitan Area Transit Authority			<b>Rail Agency Department</b>	CMNT	<b>Sub-Department</b>	New Carrollton Shops and Yard	
<b>Rail Agency Department Contact Information</b>	<b>Name</b>		<b>Email</b>		<b>Office Phone</b>		<b>Mobile Phone</b>	
	██████████ ██████████		██████████ ██████████		██████████ ██████████		██████████ ██████████	
<b>Inspection Location</b>	New Carrollton S & I Shop - Railyard D99 4300 Garden City Dr Hyattsville, MD 20785							

**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>	3					
<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> Virtual Shop / Yard Inspection					<b>Activity Code</b>		VM	WI	PI
<b>Job Briefing Employee Name/Title</b>	WMATA Inspection			<b>Accompanied Inspector?</b>	N/A	<b>Out Brief Conducted</b>	N/A	<b>Time</b>	Virtual	<b>Outside Shift</b>	No
<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>		
	MetroRail Safety Rules and Procedures Handbook (MSRPH). Section 4– Safety Rules										
<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									
<b>Line(s)</b>	D99		<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				
	N/A		N/A								



## Inspection Form

**Form WMSC-IR-1**

Washington Metrorail Safety Commission

<b>Description</b>	<p>WMSC Inspector conducted a virtual rules compliance inspection of the New Carrollton Shops and Yard Facilities. The inspector requested numerous documents from daily activities performed at the shop and yard for compliance with the Metrorail Safety Rules and Procedures Handbook (MSRPH), as well as equipment maintenance activities, special tools, and documentation.</p> <p>General Information:</p> <ul style="list-style-type: none"> <li>○ WMSC’s inspector requested and received several documents from the New Carrollton facility.</li> <li>○ WMSC will address New Carrollton’s facility concerns at the next CMNT/CENV Zoom meeting.</li> </ul> <p>The following documents were reviewed:  <u>CMNT Daily Shop Safety Inspection &amp; Housekeeping Checklist for July 15 and 17, 2020</u></p> <ul style="list-style-type: none"> <li>○ Reviewed CMNT’s Daily Shop Safety Inspection &amp; Housekeeping Checklists (Attachment #1).</li> <li>○ Flickering Lighting issue on the shop floor was corrected as a temporary fix only. It continues to reoccur throughout S&amp;I Shops that have been upgraded with LED lights. The new LED lights are failing prematurely.</li> <li>○ Lighting at the open pits area is inadequate, especially if a train is over the open pits blocking the overhead lighting. A similar poor lighting issue was previously observed and reported by WMSC at the open pits area at the Shady Grove facility.</li> </ul> <p><u>Special Tools List</u></p> <ul style="list-style-type: none"> <li>○ Reviewed the special tools list (Attachment #2) and the following comments are provided. There are many special tools missing that are needed to conduct Periodic Inspections on 2K3K, 6K, and 7K railcars.</li> <li>○ Special tools listed on the attached spreadsheet are needed to conduct Periodic Inspections on 2K, 3K, 6K, and 7K railcars at the New Carrollton facility.</li> </ul> <p><u>New Carrollton Railcars Out of Service Display Screen</u></p> <ul style="list-style-type: none"> <li>○ The New Carrollton railcars out of service display screen, which is in the Inspection Office, is used to keep track of the status of all railcars in the shops and yard that require repairs or maintenance.</li> <li>○ The display screen properly identifies the railcar number, date, defect, railcar location, and clearly describes the status of railcar and required repairs or maintenance action (See Attachment #3).</li> </ul> <p><u>Safety Committee Safety Concern Open Items List at New Carrollton.</u></p> <ul style="list-style-type: none"> <li>○ WMATA’s has a safety committee meets monthly to address railcars, equipment, and facilities issues. This committee prepares a spreadsheet to track the status of open items, expected completion date, and responsible party.</li> </ul>	<b>Number of Defects</b>	3
		<b>Recommended Finding?</b>	No
		<b>Remedial Action Required?</b>	No
		<b>Recommended Reinspection?</b>	No
<b>Remedial Action</b>	N/A		
<b>Effective Practices</b>	<p>Effective Practices</p> <ul style="list-style-type: none"> <li>○ The documents provided depict that the New Carrollton facility is a well-organized and managed facility. These documents clearly describe processes, identifies issues, safety concerns, and action that needs be taken to mitigate the safety concern.</li> </ul>		

Photos:



# Inspection Form

# Form WMSC-IR-1

Washington Metrorail Safety Commission

Attachment 1 – CMNT Daily Shop Safety Inspection & Housekeeping Checklist at New Carrollton Facility.

CMNT Daily Shop Safety Inspection & Housekeeping Checklist									
Date Inspected Jul 15, 2020					Inspected by:				
AL S&I	BA S&I	BW S&I	GB S&I	GB T&M	GB Annex	GB Paint Booth			
NC S&I	✓ SG S&I	WFC S&I	WFC Annex						
Place an "S" = Satisfactory or "U" = Unsatisfactory inspection finding next to each area. Notes / Comments are encouraged where helpful.									
Notes / Comments are required for any Unsatisfactory mark. Must include details and corrective action(s).									
Exterior Areas of Building									
Housekeeping	S	Shop Aprons / Leads	S						
Hazardous Waste Storage	S	Cigarette Butt Containers	S						
Fire Lanes / Parking	S	Lighting	S						
Sidewalks	S	Dumpsters / Trash Cans	S						
NOTES / COMMENT									
Shop Floor									
Housekeeping	U	Overhead Doors	S						
Housekeeping - Floor	S	Exit Doors	U						
Power Boxes	S	Oil Room	S						
Stingers	S	Wheel Lathe	S						
Drop Lights / Extension Cords	S	Walkways	S						
Lighting	U	Blow Pit	U						
Used Oil Storage	S	Used Part Tag & Storage	S						
Eyewash Stations	S	Lockout / Tagout	S						
Equipment Tag	S	Train Lifts	S						
Blue Flag / SOP 12	U	Flammable Cabinets	S						
Food Prep Equipment	S	Bottle Labeling	S						
NOTES / COMMENT									
**Blow-pit needs cleaning (Cleaning In-progress - Series of cleaning)									
**Multiple overhead LED lights flickering - W/O# 15565162									
** Exits signs need replaced - W/O# 15532840									
Car Wash / Cleaning Tank / Steam Cleaning Booths									
Housekeeping	N/A	Walkways	N/A						
Exit Doors	N/A	Appropriate PPE	N/A						
Drains	N/A	Overhead Doors (if applicable)	N/A						
NOTES / COMMENT									
**Car Wash / Cleaning Tank area is presently not being used by CMNT (Known issue)									
Office / Administrative Areas of Building									
Housekeeping	S	Pathways / Exits	S						
First Aid Kits Sealed (wherever located)	S	Storage	S						
NOTES / COMMENT									
**Employees need to be more consistent with housekeeping efforts across all shifts. All shift supervisors briefed & will continue to brief the employees.									

CMNT Form: 51.007, Rev. 0

Page 1 of 1

June 6, 2019

CMNT Daily Shop Safety Inspection & Housekeeping Checklist									
Date Inspected Jul 16, 2020					Inspected by:				
AL S&I	BA S&I	BW S&I	GB S&I	GB T&M	GB Annex	GB Paint Booth			
NC S&I	✓ SG S&I	WFC S&I	WFC Annex						
Place an "S" = Satisfactory or "U" = Unsatisfactory inspection finding next to each area. Notes / Comments are encouraged where helpful.									
Notes / Comments are required for any Unsatisfactory mark. Must include details and corrective action(s).									
Exterior Areas of Building									
Housekeeping	S	Shop Aprons / Leads	S						
Hazardous Waste Storage	S	Cigarette Butt Containers	S						
Fire Lanes / Parking	S	Lighting	S						
Sidewalks	S	Dumpsters / Trash Cans	S						
NOTES / COMMENT									
Shop Floor									
Housekeeping	S	Overhead Doors	S						
Housekeeping - Floor	U	Exit Doors	U						
Power Boxes	S	Oil Room	S						
Stingers	S	Wheel Lathe	S						
Drop Lights / Extension Cords	S	Walkways	S						
Lighting	U	Blow Pit	U						
Used Oil Storage	S	Used Part Tag & Storage	S						
Eyewash Stations	S	Lockout / Tagout	S						
Equipment Tag	S	Train Lifts	S						
Blue Flag / SOP 12	U	Flammable Cabinets	S						
Food Prep Equipment	S	Bottle Labeling	S						
NOTES / COMMENT									
**Blow-pit needs cleaning (Cleaning In-progress - Series of cleaning)									
**Multiple overhead LED lights flickering - W/O# 15565162									
** Exits signs need replaced - W/O# 15532840									
Car Wash / Cleaning Tank / Steam Cleaning Booths									
Housekeeping	N/A	Walkways	N/A						
Exit Doors	N/A	Appropriate PPE	N/A						
Drains	N/A	Overhead Doors (if applicable)	N/A						
NOTES / COMMENT									
**Car Wash / Cleaning Tank area is presently not being used by CMNT (Known issue)									
Office / Administrative Areas of Building									
Housekeeping	S	Pathways / Exits	S						
First Aid Kits Sealed (wherever located)	S	Storage	S						
NOTES / COMMENT									
**Employees need to be more consistent with housekeeping efforts across all shifts. All shift supervisors briefed & will continue to brief the employees.									

CMNT Form: 51.007, Rev. 0

Page 1 of 1

June 6, 2019



# Inspection Form

# Form WMSC-IR-1

Washington Metrorail Safety Commission

Attachment 2 – Missing Railcars Special Tools List at New Carrollton.

CONSOLIDATED PI TOOL LIST											QTY REQUIRED			
VMATA Drawin Number	Description	7K	2K/3K	6K	AL	E	N	S	V	L	To Re	Syste Floa		
VDE000837	Brake Pad Slack Adjuster Go/No-Go Gauge	STEP 20.4.3 STEP 20.4.4		STEP 20.4.6 STEP 20.5.3	3	3	3	3	3	3	24			
VDE000634	Brake Pad Thickness Go/No-Go Gauge	STEP 20.4.4	STEP 20.5.1 - 2	STEP 20.5.2 STEP 20.5.4	2	6	6	6	4	6	30			
VDE000548	Pin Gauge Set	STEP 20.5.7 STEP 20.5.22 STEP 20.5.48	STEP 20.6.7 STEP 20.6.12 - 23	STEP 20.6.7 STEP 20.4.8 STEP 20.6.20 - 26 STEP 20.6.34 - 38 STEP 20.6.45 - 50	3	3	3	6	3	6	24			
VDX000295	Shoe Height Tool - 3.75"		STEP 20.22.1	STEP 20.20.2 STEP 20.21.1 - 4	0	-2	-1	1	0	3	1			
VDE000733	Shoe Height Tool - 3.5"	STEP 20.18.2 STEP 20.19.1 - 5			0	-1	-2	1	-2	3	-1			
VDE000539	Rubber Compression Condemning Limit Gauge			STEP 20.7.7 - 8	-3	-3	-3	0	-3	0	-12			
VDE000554	Coupler Hook Buff and Pull Go Gauge	STEP 20.31.1	STEP 20.23.1 - 3	STEP 20.28.1 - 3	3	3	1	6	3	6	22			
VDE000619	Coupler Hook Buff and Pull No-Go Gauge	STEP 20.31.2	STEP 20.23.1 - 3	STEP 20.28.1 - 3	3	3	1	6	4	6	23			
VDE000620	Coupler Hook Height w/air "No-Go"	STEP 20.31.3	STEP 20.30.2	STEP 20.23.1 - 3	3	3	3	2	6	3	24			
VDE000553	Throat Opening No-Go Gauge(welded)	STEP 20.31.4		STEP 20.30.1 - 2	0	0	-2	3	0	3	4			
VDE000618	Throat Opening No-Go Gauge(Bolted)		STEP 20.30.2 STEP 20.31.2 STEP 20.32.2	STEP 20.31.1 - 2	2	3	1	2	1	3	12			
VDE000552	Guide Pin Go/No-Go Gauges	Add to Insp	STEP 20.32.2	STEP 20.31.1 - 2	0	0	0	4	0	3	7			
VDE000635	Coupler Hook Extension Tool	Add to Insp	STEP 20.23.4 - 10	STEP 20.28.4	1	0	0	3	0	3	7			
VDE000943	Handle for Electrical Couplers	STEP 30.11.3 - 6			3	3	3	3	3	3	18			
VDE000550	Glass Tube	STEP 30.8.6 (OPTIONAL)	STEP 30.13.5 - 6	STEP 30.14.8	-1	1	0	6	1	3	10			
VDE000111	Coupler Pin Alignment Tool		STEP 30.16.8	STEP 30.17.8	0	0	-1	3	0	3	5			
VDE000841	Armature Gap Gauge, Sécheron 4H3S2028	STEP 35.5.3 - 4 STEP 35.6.2 - 3			3	3	3	3	3	3	18			
VDE000842	Main Contact Tip Gauge, Sécheron 4H3S2029	STEP 35.5.4 - 6 STEP 35.6.4 - 5			3	3	3	3	3	3	18			
VDE000810	Line Contactor Special 0.8mm Gauge		STEP 35.5.15	STEP 35.5.15	0	0	0	2	0	3	5			
VDE000838	Dipstick Gauge		STEP 60.13 - 4	STEP 60.13 - 4	3	3	3	1	3	3	16			
VDM180173	5/8K Go/No-Go Gauge, Air Spring Height		STEP 80.2.1	STEP 80.1.6	-4	-3	-3	0	-3	0	-13			
VDM180140	Breda Air Bag Go/No-Go Gauge		STEP 80.2.1		-2	1	1	0	1	3	4			
VDE000819	7K Go/No-Go Gauge, Air Spring Height	STEP 80.16 - 11			3	3	3	3	3	3	18			
VDE000549	Threshold Height T-Square Gauge	STEP 80.18 - 10	STEP 80.11	STEP 80.18 - 10 STEP 80.2.1 - 7	1	0	0	0	1	3	5			
VDE000640	Threshold Height Reference Bar	STEP 80.18 - 10	STEP 80.11	STEP 80.18 - 10 STEP 80.2.1 - 7	-2	0	0	1	0	3	2			
VDE000398	Door Adjustment Gauge SK-07-11		STEP 30.14.4 - 17	STEP 30.14.4 - 27	-1	2	2	2	1	3	3			
VDE000382	Door Height Gauge		X	X	3	3	3	4	3	3	19			
VDE000392	Door Guide Thickness Gauge		X	X	2	3	2	2	3	3	15			
VDE000394	Imm 3mm Door Go/No Go Gauge		X	X	3	3	3	3	3	3	18			
VDE000401	Door Spindle Nut Tool		X	X	3	3	3	2	3	3	17			

CONSOLIDATED PI TOOL LIST											QTY REQUIRED			
VMATA Drawin Number	Description	7K	2K/3K	6K	AL	E	N	S	V	L	To Re	Syste Floa		
VDE000620	Coupler Hook Height w/air "No-Go"	STEP 20.31.3	STEP 20.30.2	STEP 20.23.1	3	3	3	7	2	6	24			
VDE000553	Throat Opening No-Go Gauge(welded)	STEP 20.31.4		STEP 20.30.1 - 2	0	0	-2	3	0	3	4			
VDE000618	Throat Opening No-Go Gauge(Bolted)		STEP 20.30.2 STEP 20.31.2 STEP 20.32.2	STEP 20.31.1 - 2	2	3	1	2	1	3	12			
VDE000552	Guide Pin Go/No-Go Gauges	Add to Insp	STEP 20.32.2	STEP 20.31.1 - 2	0	0	0	4	0	3	7			
VDE000635	Coupler Hook Extension Tool	Add to Insp	STEP 20.23.4 - 10	STEP 20.28.4	1	0	0	3	0	3	7			
VDE000943	Handle for Electrical Couplers	STEP 30.11.3 - 6			3	3	3	3	3	3	18			
VDE000550	Glass Tube	STEP 30.8.6 (OPTIONAL)	STEP 30.13.5 - 6	STEP 30.14.8	-1	1	0	6	1	3	10			
VDE000111	Coupler Pin Alignment Tool		STEP 30.16.8	STEP 30.17.8	0	0	-1	3	0	3	5			
VDE000841	Armature Gap Gauge, Sécheron 4H3S2028	STEP 35.5.3 - 4 STEP 35.6.2 - 3			3	3	3	3	3	3	18			
VDE000842	Main Contact Tip Gauge, Sécheron 4H3S2029	STEP 35.5.4 - 6 STEP 35.6.4 - 5			3	3	3	3	3	3	18			
VDE000810	Line Contactor Special 0.8mm Gauge		STEP 35.5.15	STEP 35.5.15	0	0	0	2	0	3	5			
VDE000838	Dipstick Gauge		STEP 60.13 - 4	STEP 60.13 - 4	3	3	3	1	3	3	16			
VDM180173	5/8K Go/No-Go Gauge, Air Spring Height		STEP 80.2.1	STEP 80.1.6	-4	-3	-3	0	-3	0	-13			
VDM180140	Breda Air Bag Go/No-Go Gauge		STEP 80.2.1		-2	1	1	0	1	3	4			
VDE000819	7K Go/No-Go Gauge, Air Spring Height	STEP 80.16 - 11			3	3	3	3	3	3	18			
VDE000549	Threshold Height T-Square Gauge	STEP 80.18 - 10	STEP 80.11	STEP 80.18 - 10 STEP 80.2.1 - 7	1	0	0	0	1	3	5			
VDE000640	Threshold Height Reference Bar	STEP 80.18 - 10	STEP 80.11	STEP 80.18 - 10 STEP 80.2.1 - 7	-2	0	0	1	0	3	2			
VDE000398	Door Adjustment Gauge SK-07-11		STEP 30.14.4 - 17	STEP 30.14.4 - 27	-1	2	2	2	1	3	3			
VDE000382	Door Height Gauge		X	X	3	3	3	4	3	3	19			
VDE000392	Door Guide Thickness Gauge		X	X	2	3	2	2	3	3	15			
VDE000394	Imm 3mm Door Go/No Go Gauge		X	X	3	3	3	3	3	3	18			
VDE000401	Door Spindle Nut Tool		X	X	3	3	3	2	3	3	17			
VDE000403	Door 17mm Spanner Wrench		Adj	Adj	3	3	3	2	3	3	17			
VDE000406	Bulkhead Door Pivot Wrench		Adj	Adj	3	3	3	2	3	3	17			
VDE000404	Door 15mm Spanner Wrench		Adj	Adj	3	3	3	2	3	3	17			
VDE000405	Door 17.2mm Angled Wrench		Adj	Adj	3	3	3	2	3	3	17			
VDE000410	Door Jack		Adj	Adj	3	3	3	2	3	3	17			
VDE000411	Door Cam Stud Wrench		Adj	Adj	3	3	3	2	3	3	17			
VDE000408	Door Offset Spanner Wrench		Adj	Adj	3	3	3	4	3	3	19			
VDE000409	Door Lower Bump Stop Wrench		Adj	Adj	3	3	3	2	3	3	17			
VDE000818	Anti Rattle Block Gauge / Door Height Gauge	STEP 90.2.2 STEP 30.4.1			3	3	3	2	3	3	17			
VDE000817	Nose Seal Gauge	STEP 90.7.2			3	3	3	1	3	3	16			
VDE000752	Push/Pull Force Gauge Adapter	STEP 90.16.3 - 5	STEP 30.17.3 - 3 STEP 30.18.1 - 3 STEP 30.19.1 - 4	STEP 30.17.3 - 3 STEP 30.18.1 - 3 STEP 30.19.2 - 4	3	3	3	3	3	6	21			
VDE000388	3/8" Flat Plate Obstruction	STEP 90.13.3 - 9	STEP 90.2.2	STEP 90.2.2 - 6	5	4	3	2	3	6	23			
VDE000548	Pin Gauge Set		STEP 90.2.4	STEP 90.2.4	N/A	N/A	N/A	N/A	N/A	N/A				



## Inspection Form

## Form WMSC-IR-1

Washington Metrorail Safety Commission

Attachment 3 – New Carrollton Railcars Out of Service Display Screen.

CMNT Shop Planning							Welcome, Bryant, Ian G. I
Shop Planning							Total OOS Cars: 6
New Carrollton (D99)		ALL	Search Car	Go			
Car	OOS From	Work Status	Defect	Loc	Plan Loc	Move Status	
7418	7/20/2020 10:12:46 PM	Awaiting Triage		20			
7088	7/20/2020 10:20:47 PM	Awaiting Triage		17	20N	Confirmed	
7093	7/21/2020 12:18:16 PM	Awaiting Triage	COUPLER ACTUATION FAILURE	21			

<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.

Inspector in Charge - Signature		Date 07/27/2020
Inspector in Charge – Name <b>Manuel Lopez</b>	Inspection Team <b>Manuel Lopez</b>	