



## Inspection Form

**Form WMSC-IR-1**

Washington Metrorail Safety Commission

**Agency/Department Information**

|                               |  |                               |                     |
|-------------------------------|--|-------------------------------|---------------------|
| <b>Inspection Date</b>        | YYYY/MM/DD<br>2023/12/13   | <b>Report Number</b>          | 20231207-WMSC-MAL-1 |
| <b>Rail Agency Name</b>       | Washington Metropolitan Area Transit Authority                                 | <b>Rail Agency Department</b> | Name                |
| <b>Rail Agency Department</b> | CMNT   | <b>Contact Information</b>    |                     |
| <b>Inspection Location</b>    | Shady Grove S&I Shop - Railyard A99 15903 Somerville Drive Rockville, MD 20855 |                               |                     |

**Inspection Summary**

|   |          |
|---|----------|
| <b>Inspection Activity #</b>                | 1        |
| <b>Activity Code</b>                        | VM-WI-PI |
| <b>Inspection Units</b>                     | 1        |
| <b>Inspection Subunits</b>                  | 1        |
| <b>Defects (Number)</b>                     | 2        |
| <b>Recommended Finding</b>                  | Yes      |
| <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>      | On-site Observation   |                                       |                  |               | <b>Activity Code</b> | VM-WI-PI                         |        |          |     |
| <b>Job Briefing Employee Name/Title</b>         | WMATA Inspection   | <b>Accompanied Inspector?</b>  | No                    | <b>Out Brief Conducted</b>            | Yes              | <b>Time</b>   | 08:00 AM             | <b>Outside Shift</b>             | No     |          |     |
| <b>Related Reports</b>                          | N/A  | <b>Related CAPS / Findings</b> |                       |                                       | N/A              |               |                      |                                  |        |          |     |
| <b>Related Rules, SOPs, Standards, or Other</b> | Ref  | Rule or SOP                    |                       | Standard                              |                  | Other / Title |                      | Checklist Reference              |        |          |     |
|   | METRORAIL OPERATING RULEBOOK FIRST EDITION Effective: Sept 1, 2023, Safety Rules   | N/A                            |                       | N/A                                   |                  | N/A           |                      | N/A                              |        |          |     |
| <b>Inspection Location</b>                      | Main Track   | Yard                           | Station               | OCC                                   | RTA Facility     | WMSC Office   | <b>Track Type</b>    | At-grade                         | Tunnel | Elevated | N/A |
|   |  | X                              |                       |                                       |                  |               |                      |                                  |        |          | X   |
| <b>Line(s) &amp; Track Number</b>               | Shady Grove S&I Shop - Railyard A99 15903 Somerville Drive Rockville, MD 20855   |                                |                       | <b>Chain Marker and/or Station(s)</b> |                  | From          |                      | To                               |        |          |     |
|   |  |                                |                       |                                       |                  | 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                   |                                       |                  |               |                      |                                  |        |          |     |
| <b>Description</b>                              | <p>WMSC Inspectors conducted a rules compliance inspection of the wheelset assembly process at the Shady Grove S&amp;I Shop for compliance with the Metrorail Operating Rule and Procedures Handbook (MOR), including Preventive Maintenance Inspections (PI) activities. General Information: WMSC met with personnel from CENV engineering, Superintendent, Inspection Office Supervisor, several CMNT mechanics, and Quality Assurance consultants. WMSC conducted an observation of the Shady Grove S&amp;I shop and the following observations were noted. Five 3K railcars were listed in the RPM screen for having ADO failures. A CENV engineer was in the process of analyzing the VMS data. The general directive is that all door problems will be analyzed. Preliminary analysis of the data shows no BEC, no FEC, and no TWC communication failures on several railcars. See Attachment #1. CMNT personnel stated that the current lift table cannot lift APS units from 7K railcars. The weight of the 7K APS exceeds the lift table 2000 lbs. capacity. A new 3000 lbs. lift table was purchased. See Attachment #2. CMNT personnel stated that two S&amp;I Shops rail covers were twisted and damaged when a railcar ran over them. These metal rail covers are placed on top of rails inside the S&amp;I shop so that carts carrying heavy equipment can roll across the rails. See Attachment #3. Finding #1 - The blow pit area had multiple light fixtures that were damaged, partially falling off, or they were cracked and covered with a plastic wrap to prevent water from going in the fixture. CMNT personnel stated that W/Os were created and submitted to correct this issue. See Attachments #4 and #5.</p> |                                |                       |                                       |                  |               |                      | <b>Number of Defects</b>         |        | 2        |     |
|   |  |                                |                       |                                       |                  |               |                      | <b>Recommended Finding?</b>      |        | Yes      |     |
|   |  |                                |                       |                                       |                  |               |                      | <b>Remedial Action Required?</b> |        | No       |     |
|   |  |                                |                       |                                       |                  |               |                      | <b>Recommended Reinspection?</b> |        | No       |     |
| <b>Remedial Action</b>                          |  |                                |                       |                                       |                  |               |                      |                                  |        |          |     |

<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.

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|---|------------------------------|
| <b>Inspector in Charge's Signature</b>            | <b>Date</b><br>2023/12/13    |
| <b>Inspector in Charge's Name</b><br>Manuel Lopez | <b>Inspection Team</b><br>No |