



## Inspection Form

**Form WMSC-IR-1**

Washington Metrorail Safety Commission

**Agency/Department Information**

|   |  |    |              |                               |                      |                       |                     |
|---|--|----|--------------|-------------------------------|----------------------|-----------------------|---------------------|
| <b>Inspection Date</b>                            | YYYY   | MM | DD           | <b>Report Number</b>          | 20210204-WMATA-LBW-2 |                       |                     |
|   | 2021   | 02 | 04           |                               |                      |                       |                     |
| <b>Rail Agency Name</b>                           | Washington Metropolitan Area Transit Authority |    |              | <b>Rail Agency Department</b> | Operations           | <b>Sub-Department</b> | Vehicles            |
|   |  |    |              |                               |                      |                       |                     |
| <b>Rail Agency Department Contact Information</b> | <b>Name</b>                                    |    | <b>Email</b> |                               | <b>Office Phone</b>  |                       | <b>Mobile Phone</b> |
|   | [REDACTED]                                     |    | [REDACTED]   |                               | [REDACTED]           |                       | [REDACTED]          |
| <b>Inspection Location</b>                        | Greenbelt Yard – Storage Tracks                |    |              |                               |                      |                       |                     |

**Inspection Summary**

| Inspection Activity #                       | 1            | 2 | 3 | 4 | 5 | 6 |
|---|--------------|---|---|---|---|---|
| <b>Activity Code</b>                        | RTRA-GEN-OBS |   |   |   |   |   |
| <b>Inspection Units</b>                     | 1            |   |   |   |   |   |
| <b>Inspection Subunits</b>                  | 0            |   |   |   |   |   |
| <b>Defects (Number)</b>                     | 3            |   |   |   |   |   |
| <b>Recommended Finding</b>                  | No           |   |   |   |   |   |
| <b>Remedial Action Required<sup>1</sup></b> | Yes          |   |   |   |   |   |
| <b>Recommended Reinspection</b>             | Yes          |   |   |   |   |   |

**Activity Summaries**

|   |  |                           |   |     |                                       |                      |                          |          |                      |          |     |
|---|--|---------------------------|---|-----|---------------------------------------|----------------------|--------------------------|----------|----------------------|----------|-----|
| <b>Inspection Activity #</b>                    | 1  | <b>Inspection Subject</b> | Storing Class I Vehicles – Greenbelt Yard |     |                                       | <b>Activity Code</b> | RTRA                     | GEN      | OBS                  |          |     |
| <b>Job Briefing Employee Name/Title</b>         | Greenbelt Interlocking Operator  |                           | <b>Accompanied Inspector?</b>             | NA  | <b>Out Brief Conducted</b>            | NA                   | <b>Time</b>              | 1345     | <b>Outside Shift</b> | Yes      |     |
| <b>Related Reports</b>                          | N/A  |                           | <b>Related CAPS / Findings</b>            |     | FTA-VSC-16-001 (Closed)               |                      |                          |          |                      |          |     |
| <b>Related Rules, SOPs, Standards, or Other</b> | Ref  |                           | Rule or SOP                               |     | Standard                              |                      | Other / Title            |          | Checklist Reference  |          |     |
|   |  |                           | OR-3.126                                  |     |                                       |                      |                          |          |                      |          |     |
| <b>Inspection Location</b>                      | Main Track   | Yard                      | Station                                   | OCC | RTA Facility                          | WMSC Office          | <b>Track Type</b>        | At-grade | Tunnel               | Elevated | N/A |
|   |  | X                         |   |     |                                       |                      |                          |          |                      |          |     |
| <b>Line(s)</b>                                  | E-99   | <b>Track Number</b>       | 3 & 4                                     |     | <b>Chain Marker and/or Station(s)</b> | From                 |                          |          | To                   |          |     |
|   |  |                           | NA  |     |                                       | NA                   |                          |          |                      |          |     |
| <b>Vehicles</b>                                 | <b>Head Car Number</b>   |                           | <b>Number of Cars</b>                     |     | <b>Equipment</b>                      |                      |                          |          |                      |          |     |
|   |  |                           | 24  |     |                                       |                      |                          |          |                      |          |     |
| <b>Description</b>                              | The WMSC Inspector conducted a class I vehicle storage inspection of the Greenbelt Storage tracks after receiving an I-3 event notification from the WMATA Safety Department. On Tuesday, January 26, 2021 at 17:00hrs., the Rail Operation Control Center (ROCC) notified SAFE that |                           |   |     |                                       |                      | <b>Number of Defects</b> |          | 3                    |          |     |
|   |  |                           |   |     |                                       |                      |                          |          | No                   |          |     |



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|  | <p>train car #2064 located on storage track #14 in Greenbelt Yard, was found to be in contact with the bump post. The scope of this inspection was the storage of 2000, 3000 and 6000 series rail cars. All 6000 series rail vehicles have been removed from revenue service since November 2021 and should be properly stored and secured. When storing a Class I rail vehicle, the WMATA Metrorail Safety Rules and Procedures Handbook (MSRPH) rule 3.126 states: (a) Secure cars being stored a minimum distance of two (2) feet apart at all storage locations, yards and/or tail tracks; (b) Set handbrakes on at least two cars; (c) Set a sufficient additional number of handbrakes for the grade on which the cars are being stored; (d) Ensure that the cars being stored are not fouling other tracks; and (e) If the consist is to be stored for more than 15 days, the consists shall be chocked and blue flagged.</p> <p>The Federal Transit Administration (FTA) previously conducted an investigation into rail vehicle securement practices at the Washington Metropolitan Area Transit Authority (WMATA) Metrorail system. That investigation resulted in both findings and required actions. The findings and required actions were intended to prevent unintended train movement.</p> <p><i>FTA Finding 1: WMATA does not provide redundant protection when securing unattended rail vehicles.</i></p> <p>Prior to beginning the inspection, the WMSC inspector conducted a briefing with the Greenbelt Yard interlocking operator and received a yard map identifying all stored vehicle locations within the rail yard. During this inspection eighteen of the twenty-eight 6000 series rail vehicles were inspected. The inspector also inspected 1000 series, 3000 series, 4000 series and 5000 series vehicles in long term storage. All vehicles inspected were located on storage tracks 3 and 4. The Greenbelt Operations Superintendent and the Managing Director of Rail were not available at the conclusion of the inspection for an exit briefing.</p> <p>On Track 3 (6092/6093-6095/6094) was stored with only one handbrake applied on car 6092. MSRPH rule 3.126 (a) requires at least 1 handbrake applied on at least two cars and (e) If the consist is to be stored for more than 15 days, the consists shall be chocked and blue flagged as required. The following Class I vehicles were stored with only one handbrake and no wheel chocks or blue flagging on track 3:<br/>(6164/6165 - 6187/6186 - 6173/6172 – 6012/6013). Handbrake on 6092. (6061/6060) Handbrake on 6061</p> <p>On Track 4 (6082/6083) and (6056/6057) was stored with no handbrake applied. The WMSC inspector did not board the remaining vehicles on track 4 due to paper signage posted restricting boarding. Of the five consist in long term storage<br/>(3008/3009) was chocked but no blue flagging was observed<br/>(3020/3021) was not chocked and no blue flagging was observed<br/>(5000/5001) was chocked but no blue flagging was observed<br/>(1000/1001) was chocked but no blue flagging was observed<br/>(4000/4001) was chocked but no blue flagging was observed</p> <p>During this inspection, the WMSC inspector observed Class I vehicles in long term storage without wheel chocks or blue flagging protection.</p> | <b>Recommended Finding?</b>      |     |
|  |   | <b>Remedial Action Required?</b> | No  |
|  |   | <b>Recommended Reinspection?</b> | Yes |



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This is a violation of the requirement as written in the rule. This requirement needs to be emphasized to all responsible personnel for compliance, at all applicable Metrorail yards, to prevent repeat observations of the same noncompliant condition, noted here.

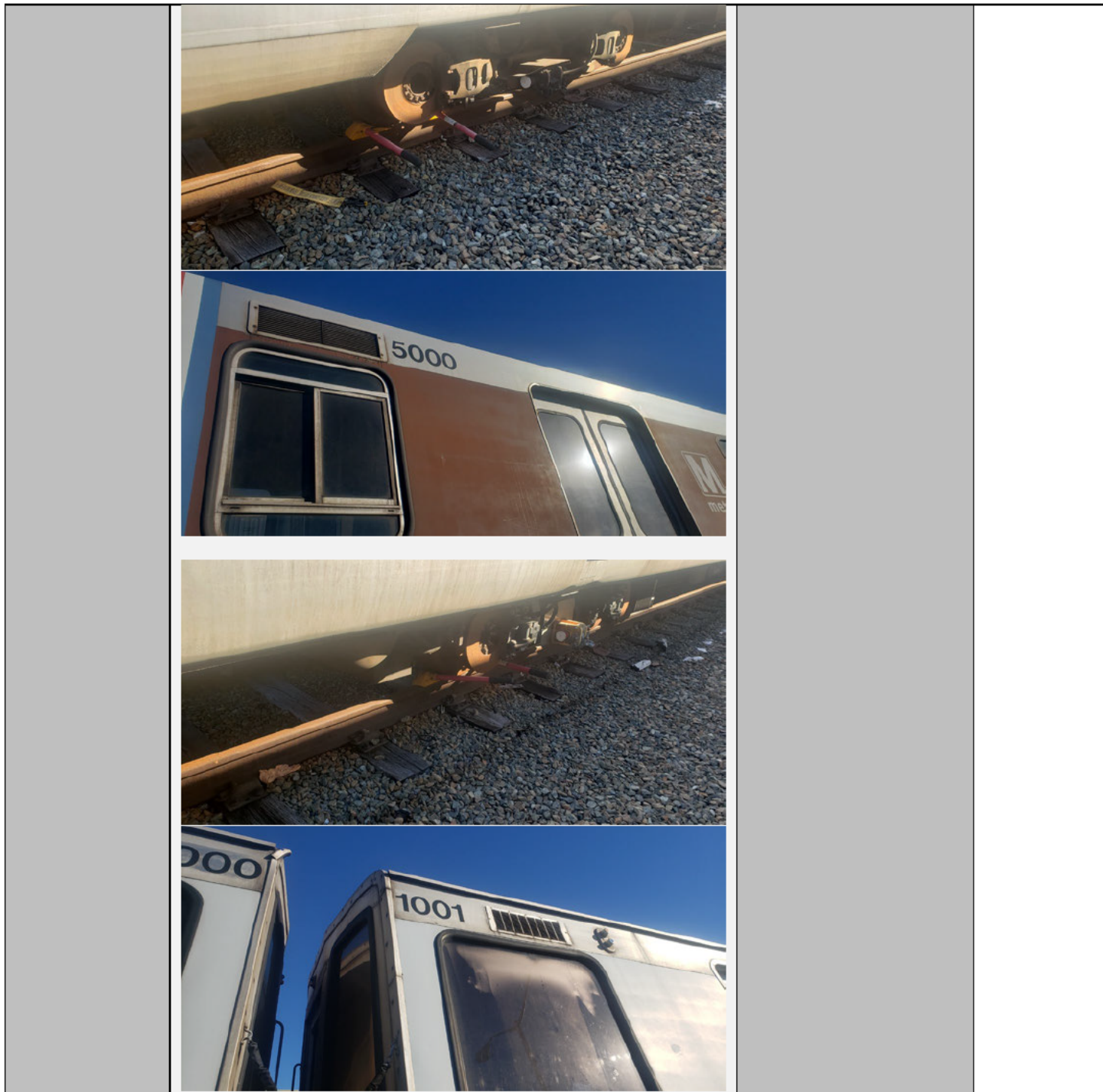




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|                        |  |  |
|------------------------|--|--|
|                        | <p>2/10/2021 <a href="https://pms.wmata.com/YardTerminal/Overhaul.aspx">https://pms.wmata.com/YardTerminal/Overhaul.aspx</a></p> <p><b>In the Yard Map above:</b></p> <ul style="list-style-type: none"> <li>- Red denotes out of service Vehicles</li> <li>- Blue denotes cars with restrictions</li> <li>- Purple denotes cars that require a P/I</li> <li>- Green denotes cars that have been released</li> </ul> |  |
| <b>Remedial Action</b> | N/A  |  |

<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 – Signature</b>            | <b>Date</b><br>02/05/21                |
| <b>Inspector in Charge – Name</b><br>Bruce Walker | <b>Inspection Team</b><br>Bruce Walker |