

You are here: [BNL](#) → [SBMS Home](#) → [Radiological Control](#) Management System → Vehicle Radiation Monitor, Use of the Subject Area

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## Vehicle Radiation Monitor, Use of the Subject Area

Effective Date: **Dec 31, 2013** ([Rev 1.0](#))  
 Periodic Review Due: **Dec 31, 2016**



[What you may need](#)

[Where to next](#)

## Introduction

This subject area describes how Brookhaven National Laboratory (BNL) staff and non-BNL staff who use conveyances to transport material that has the potential to be radioactively contaminated or activated to off-site locations, or perform on-site transfers of scrap metals, electronics, and Construction-Demolition (C&D) debris, must use the vehicle radiation monitor (VRM) as a final check before proceeding to their final destination.

The VRM at BNL is a series of permanently placed gamma radiation detectors that are operating in a static mode. This unit has the capability to differentiate between radioactivity added and natural background radiation. It also has real-time video and picture-taking capabilities. It offers a two dimensional view of the conveyance to aid the responding Facility Support (FS) personnel in locating the proximity of the radioactive material alarm.

This system operates as a "go/no go" unit, it is not intended to replace or be used in lieu of a radiological survey. Prior to going through the VRM, all suspect material leaving a Radiological Area must be surveyed and documented by FS personnel in accordance with 10 CFR 835 and DOE O 458.1.

The driver must follow the posted instructions at the VRM prior to proceeding through. If a driver is unsure how to properly use the VRM, they should contact FS personnel for assistance.

### This subject area does not cover the following

This subject area does not apply to delivery trucks/conveyances such as, but not limited to, trucks delivering supplies and materials to BNL, United States Postal Service, United Parcel Service, DHL, FedEx, food delivery trucks, etc. This subject area also does not apply to radioactive waste shipments.

## Standards of Performance

All staff and users shall ensure that they are trained and qualified to carry out their assigned responsibilities, and shall inform their supervisor if they are assigned to perform work for which they are not properly trained or qualified.

All staff and guests shall exercise effective stewardship of assets in their custody and control, and shall take reasonable actions to safeguard all assets against theft, loss, misuse, and disruption.

All staff and guests shall assure that only appropriately authorized individuals have access to facilities,

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[Requirements](#)



[Training](#)



[Changes](#)



[Definitions](#)



[Forms/Exhibits](#)



[Add Keywords](#)



[Departmental Procedures](#)



information, resources, and assets.

The Laboratory's policies, standards, and Laboratory-wide procedures and guidelines are based on an evaluation of external requirements documents and applicable non-government standards, e.g., orders, directives, and federal, state, and local laws.

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[MS Roles/Responsibilities](#)  
[Subject Matter Expert List](#)

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[Employee Role Lookup](#)

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[Glossary/Definitions](#)  
[Keywords](#)

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