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## **CHAPTER 9**

### **NON-DEPARTMENT PERSONNEL**

#### **9.1 PURPOSE**

To inform non-department personnel, i.e. FDOT employed Consultants, Contractors and others doing business with the Department, of requirements governing their operating, transporting, and storing of equipment containing radioactive materials on FDOT construction projects in addition to the requirements of their individual radioactive materials licenses.

#### **9.2 SCOPE**

This section identifies provisions of the Department's RSM applicable to the non-department personnel. This section also contains requirements not found in other sections of the RSM.

#### **9.3 RADIATION SAFETY MANUAL PROVISIONS APPLICABLE TO NON-DEPARTMENT PERSONNEL**

Chapter	Sections Applicable to Non-Department Personnel
Introduction	I.4
1	1.3.3.2, 1.3.4, 1.3.5
2	2.1.2, 2.2.1, 2.2.1.2.1, 2.3.5, 2.3.6, 2.3.7,
3	3.5.1, 3.5.2, 3.5.3
4	4.4.3.1, 4.4.3.2, 4.4.3.3
5	5.6.1, 5.6.2, 5.6.2.1
9	ALL

#### **9.4 ADDITIONAL REQUIREMENTS**

##### **9.4.1 Supervision at Project Level**

The non-department operators and their RSOs are responsible for safe operation of their nuclear equipment.

Consultants hired by the Department will submit their current license to the Department as required in the Professional Services Contract.

Contractors and their subcontractors will make their current license available to DRSOs upon request.

#### 9.4.2 Transporting Equipment Containing Radioactive Equipment on FDOT Construction Project

Non-department personnel transporting nuclear equipment in or on any vehicle on construction projects will do so according to their radioactive materials license.

9.4.2.1 Florida Licenses – For licenses issued in Florida, transporting requirements are included in Item 13 (Radiation Protection Program) of the application for license. The application becomes part of the license upon approval.

## 9.5 DRSO ROLE

### 9.5.1 General

The FDOT intends non-department personnel achieve at least the same level of safety and control over equipment containing radioactive material as the Department.

### 9.5.2 Monitoring Non-department Personnel

The DRSOs or authorized designees may monitor non-department personnel's radiation safety practices and applicable sections of the Radiation Safety Manual while operating on FDOT construction projects.

9.5.2.1 Manner and Degree of Monitoring – DRSOs will monitor non-department personnel's radiation safety practices in the same manner and to the same degree FDOT practices are monitored.

9.5.2.2 Reporting Non-Compliance (Violations) – DRSOs will report violations as described in the following:

- (A) Orally inform, if available, the equipment operator or transporting operator involved in the violation.
- (B) Prepare a written report to their RSO. Copy the Resident Engineer and the applicable District Construction Engineer.

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- (1) As a minimum, the written report should contain the following information:
    - (a) Date of the report
    - (b) The addressee (RSO by name)
    - (c) The name of person preparing the report.
    - (d) Time, date, project, and project location of observed violation.
    - (e) Equipment's model and serial number if applicable.
    - (f) The name of equipment/ transportation operator if known.
    - (g) Description of violation, cite written authority.
    - (h) Distribution per Section 9.5.2.2 by name.

## **9.6 LOANING DEPARTMENT OWNED DENSITY GAUGE.**

Department owned density gauges may be loaned to the Material Testing Consultants when the following provisions are met.

- 9.6.1 Contract must have a provision for using the Department owned equipment.
- 9.6.2 DRSO must authorize loaning the equipment.
- 9.6.3 DRSO will verify that the Consultant receiving the density gauge is authorized to receive the density gauge, make and model, by their license.
- 9.6.4 The Consultant RSO will submit a notarized statement that will include the following:
  - (A) Receiving the density gauge(s) from the Department will not exceed the number of density gauges allowed in their license.
  - (B) They are allowed by the license to accept that make and model of the density gauge(s).

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- (C) Identified operator(s) meet qualifications as specified in their license.
  - (D) The safety regulations of the Department's RSM for handling and transport of the density gauge will be met.
  - (E) The density gauge(s) will be returned to the Department in the same operating condition as it was received.
  - (F) The gauge operator(s) will attend the Department training course and will act as a Department operator during the possession of the density gauge.
  - (G) Any repair needed while the density gauge(s) were loaned to the Consultant would be performed by the Manufacturer, at no cost to the Department.

9.6.5 The Department will perform Annual Calibration.

9.6.6 In case of incident, the operator(s) will act as a Department operator and fulfill all obligations as outlined in the RSM.