

EMERGENCY RESPONSE PLAN AND PREPAREDNESS

Working with radiation sources an emergency situation may arise. The emergency situation shall be handled effectively in order to ensure that the resulting dose to individuals is kept as low as reasonably achievable. For this purpose the licensee and employer shall be in a state of preparedness for handling emergency situations.

7.2 Emergency Response Plan and Preparedness

7.2.1 An emergency plan as contained in RPP shall be submitted to the Competent Authority.

7.2.2 The licensee shall prepare response plans for all foreseeable emergencies including and restricted to the following contingencies:

- (i) Source failing to return to safe shielded position
- (ii) Loss/theft of radiography source at the installation/site during use, in storage, in transport, or during natural calamities
- (iii) Fire.

7.2.3 The licensee shall ensure that all workers are familiar with the emergency response plan.

7.2.4 The response plan shall specify:

- (i) Persons familiar with emergency action plan and responsibilities and functions, line of Authority and line of communication
- (ii) Initial training and periodic re-training of persons in their respective tasks
- (iii) Appropriate tools, radiation monitoring instruments, and personnel monitoring devices to be kept and maintained in working condition
- (iv) Most direct and alternative means of communication
- (v) Authorities to be contacted at the initial phase, during progress and at termination of an emergency.

7.2.5 If a source is lost, the appropriate public authorities shall be informed promptly.

7.3 Reporting an Emergency

7.3.1 RSO shall:

- (i) immediately report to the licensee on any emergency situation and initiate remedial actions and endorse a copy to the Competent Authority; and
- (ii) carry out prompt investigation on causes of the emergency, evolve means to prevent recurrence and submit a detailed report on the incident to the Competent Authority.

7.3.2 The employer shall:

- (i) inform the Competent Authority of the incident within 24 hours of its occurrence and submit a detailed report on the incident after carrying out investigations; and
- (ii) lodge a written complaint immediately with the police, in case of loss or theft, if the radiography source(s) are not traced.