

Standard Operating Guidelines

Guideline 502.0 Radiological Incidents



Purpose:

The purpose of this Standard Operating Guideline is to define the Bryan Fire Department's role and responsibilities to radioactive emergencies and packages.

An incident involving radioactive material should be handled in a similar manner as any other hazardous materials incident. In the event of a radioactive release or container found, personnel safety is of the utmost importance and steps must be taken before approaching a container suspected of containing any radioactive sources.

Guideline:

Identify material

Using binoculars try to identify material from a distance of 80 feet or more. If identification cannot be obtained from this distance, using the CDV-700, dosimeters and Binoculars, walk towards the incident and obtain information from the container. Log readings from the CDV-700 and approximate distance from the container.

If you are able to ascertain the product in the package refer to the GOOD, SOME, NONE booklet in Rescue 25 to determine whether or not any of our meters can detect the product. If not, contact Williams County EMA so that further contacts to the State of Ohio can be made. **DO NOT TOUCH CONTAINER.** Quarantine the area until resources arrive.

If you determine that the meters are able to detect the material, using the CDV-700 and CDV-715, proceed with the following steps.

Establish perimeters

Using the CDV-700, Walk towards the incident until a reading above background occurs (or up to 2 mR/hr, if necessary). Mark area, back up and side step incident to either side and repeat until the hot zone is established. Repeat procedure for warm zone establishment (background).

Further Response

Using the CDV-715, take readings in the area where the container is located. Move into within 3 feet of the container and with the CDV-700, compare the transport index value with the reading you get at 3 feet. **Note if the number "2" is marked in the label's Transport Index Box and the CDV-700's meter goes off scale at the "x1" and at the "x10" position would indicate that damage has occurred to the container.**

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If all readings are within normal limits and there appears to be no damage to the container based on meter readings then the container may be moved to a more secure location and contact made with EMA so that appropriate action can be taken to remove and secure the package.

In the event that the container(s) involved is suspected of leakage based on meter readings contact the Willaims County EMA who will in turn contact the State of Ohio for a radiological emergency response team.

Record all readings from the dosimeters and include those with the other readings taken from the CDV-700 and the CDV-715. Place these reports with the run report.