

H9 – Toolbox Talk

Radiation at Work

The major aspect that must be considered when using radioactive sources is reducing the risk of exposure to radiation.

Radioactive substances, known as 'sources', emit radiation and are used in some measuring devices. They are marked with a warning sign. A site radiation protection supervisor (SRPS) has been appointed to exercise close supervision of the sources, and he/she will be responsible for carrying out the local rules. The name of the SRPS is on the notice board and a copy of the local rules can be obtained from the manager on request.

The generic rules for radiation protection applicable to all persons are:

- Do not interfere with, or dismantle, any radioactive source housing, shutter control, detector or warning sign.
- Report any visible defect immediately to the SRPS.
- Never enter an area where there is a radiation source without a permit to work issued by the SRPS.
- Contact the SRPS immediately in the event of an accident (including fire) involving a radioactive source.

Rules for the operator of nuclear density gauges:

- The use of surface density gauges on surfacing sites is strictly controlled by legislation and company safety rules and procedures.
- Follow the operating and transport procedures and local rules.
- Securely store each gauge when not in use.
- Never attempt to dismantle or repair the gauge.
- Never use a gauge unless it has a valid certificate for leak testing.
- Keep all persons at least three metres away from an operating gauge.

Other Site Personnel

- Follow instructions given by nuclear density meter technician on-site.
- Never use, handle or carry nuclear density gauges.
- Do not enter areas where testing is being carried out.



Emergency Procedures

In the event of an accident:

- Move to a distance of at least 10 metres from the radioactive source and warn others of the problem.
- Do not re-enter the area or allow others to do so until clearance has been given by an authorised person.
- If you suspect that you or others may have been contaminated by a radioactive source, you must notify your supervisor immediately.
- Contact the radiation protection supervisor whose name you will find on the site notice board.
- The supervisor will inform the police of any incident requiring assistance under the NAIR scheme.

Training register

Date

Name of attendee

Signature

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