

Oklahoma Department of Transportation

Operation and Control of Nuclear Density Devices
Construction Control Directive No. **19901115**

September 12, 2016

Scope: To emphasize the rules for the operation and control of nuclear density gauges and to establish a procedure to discuss these rules with Department employees.

As indicated in the Department's Operation and Control Manual (O&C Manual), the Radiation Safety Officer (RSO) or their designee, in the Environmental Programs Division will maintain a file on all nuclear gauges the Department operates. This file will show, along with other information, the storage location of each gauge. Keeping this file current is important in maintaining our license with the Oklahoma Department of Environmental Quality.

If you need to transfer a gauge to another permanent or temporary storage location, please contact the RSO prior to the transfer. The information the RSO will need is the FL number of the gauge, the present storage location, and the new storage location.

There have been some irregularities involving the gauges and because of this, the following is requested:

1. Please use the O&C Manual, as the main theme in a Residency Safety Meeting at least once annually. It is essential that only Approved Workers (employees assigned with a dosimeter) fully understand the Policy Guidelines for use of the gauges. It is also essential that non-approved (employees not assigned a dosimeter) are instructed NOT to handle or operate the gauge.
2. Remind each Approved Worker that the gauge MUST NOT be left unattended, not even for a minute, unless securely locked in its transport case.
3. The gauge must be kept in the transport case and properly secured when being transported from one location to another.
4. When an emergency or accident occurs, the emergency procedures outlined in the O&C Manual must be followed.
5. Remind each Approved Worker that their dosimeter is to measure their

exposure and must not be put in the transport case with the gauge or otherwise placed in direct contact with the gauge. Refer to the O&C Manual for additional information.

Please pass a copy of this directive on to each Approved Worker.

The Department is licensed by the Oklahoma Department of Environmental Quality for the operation of these gauges. There is only one license for all divisions. In order to maintain the license, it is essential that the rules outlined in the O&C Manual be followed. This is for the protection of the Approved Worker as well as the public.

If it is found that an Approved Worker consistently does not comply with the rules, retraining or possibly disciplinary action should be considered.

A handwritten signature in black ink that reads "John Leonard". The signature is written in a cursive style with a large, looping "J" and "L".

John Leonard, P.E.
Construction Engineer