



Transportation

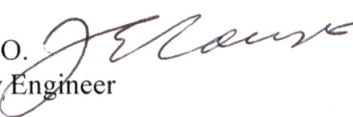
PAT McCrory
Governor

NICHOLAS J. TENNYSON
Secretary

MEMORANDUM

DATE: May 19, 2016

TO: Female Nuclear Gauge Operators

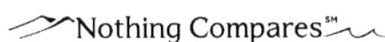
FROM: Jack Cowsert, PE, R.S.O. 
State Materials Quality Engineer

SUBJECT: Policy Concerning Female Nuclear Gauge Operators

Prior to the certification of any female employee as a Nuclear Gauge Operator, both she and her supervising Engineer shall read the information provided by the United States Nuclear Regulatory Commission (USNRC). Section 8.13 – *Instruction Concerning Prenatal Radiation Exposure* which discusses special procedures to reduce radiation exposure for unborn children. This information can be found at: <http://www.nrc.gov/reading-rm/doc-collections/reg-guides/occupational-health/rg/division-8/division-8-1.html> . Once the section has been reviewed by both parties, the supervising Engineer must complete the attached form acknowledging the information has been reviewed and submit a copy to the Department's Radiation Safety Officer (R.S.O.).

If an employee is pregnant or feels that she may be pregnant and wishes to limit her exposure to the nuclear gauge she must voluntarily declare her pregnancy in writing to her supervising Engineer. After a voluntary declaration of pregnancy has been received in writing, we are required to limit her exposure to 0.5 REM during her pregnancy. Because of this restriction, we recommend that employee not operate a nuclear gauge once she has declared that she is pregnant.

Should you have any questions please contact me or Jim Sawyer (919) 329-4000.



North Carolina Department of Transportation
Division of Highways - Materials and Tests Unit

Policy for Female Nuclear Gauge Operators

Please review Section 8.13 regarding prenatal radiation exposure (USNRC), complete this form acknowledging the information has been reviewed and submit the completed form to Jim Sawyer (fax 919-733-8742 or email jsawyer@ncdot.gov). Should you have any questions please contact Jack Cowser or Jim Sawyer 919-329-4000.

I, _____ and _____ acknowledge
(Print Name of Supervisor) (Print name nuclear gauge operator)

that we have read Section 8.13 – *Instruction Concerning Prenatal Radiation Exposure* by the United States Nuclear Regulatory Commission (USNRC) which discusses special procedures to reduce radiation exposure for unborn children.

Because of the restrictions stated in Section 8.13, we understand that once a female nuclear gauge operator voluntarily submits a written declaration of pregnancy to her supervisor, the Radiation Safety Officer recommends that the employee no longer operate a nuclear density gauge.

Supervisor Signature: _____ Date: _____

Gauge Operator: _____ Date: _____