NORTH DAKOTA
DEPARTMENT *of* HEALTH

ENVIRONMENTAL HEALTH SECTION
Gold Seal Center, 918 E. Divide Ave.
Bismarck, ND 58501-1947
701.328.5200 (fax)
www.ndhealth.gov

MEMO TO : North Dakota Radioactive Material Industrial Radiography Licensees

FROM : Terry L. O'Clair, P.E.
Director
Division of Air Quality

RE : NRC Information Notice 2013-08: Pending Expiration of the NRC Type B Transportation Package Certification for SENTINEL™ Model 660 Series Radiographic Projectors on June 30, 2013

DATE : May 14, 2013

The North Dakota Department of Health is forwarding this U.S. Nuclear Regulatory Commission Information Notice to alert licensees to the June 30, 2013 expiration of Certificate of Compliance No. 9283 for the SENTINEL™ Model 660 Series radiographic projectors. It is expected that licensees will review the information for applicability to their facilities and consider other arrangements, as appropriate.

This Information Notice requires neither specific action nor written response. If you have any questions about the information in this notice, please contact David Stradinger of the Department.

TLO/DS:saj
Enc:

UNITED STATES
NUCLEAR REGULATORY COMMISSION
OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS
OFFICE OF FEDERAL AND STATE MATERIALS
AND ENVIRONMENTAL MANAGEMENT PROGRAMS
WASHINGTON, D.C. 20555

MAY 2, 2013

NRC INFORMATION NOTICE 2013-08: PENDING EXPIRATION OF THE NRC TYPE B TRANSPORTATION PACKAGE CERTIFICATE FOR SENTINEL™ MODEL 660 SERIES RADIOGRAPHIC PROJECTORS ON JUNE 30, 2013

ADDRESSEES

All holders of radiography licenses for SENTINEL™ Model 660 Series radiographic projectors.
All Radiation Control Program Directors and State Liaison Officers.

PURPOSE

The U.S. Nuclear Regulatory Commission (NRC) is issuing this Information Notice (IN) to alert addressees to the June 30, 2013, expiration of Certificate of Compliance (CoC) No. 9283 for the SENTINEL™ Model 660 Series radiographic projectors. It is expected that recipients will review the information for applicability to their facilities and consider other arrangements, as appropriate. The NRC is providing this IN to the Agreement States for their information and for distribution to their radiography licensees, as appropriate.

DESCRIPTION OF CIRCUMSTANCES

In August 2009, QSA Global, Inc. (QSA) notified its customers that it does not intend to renew the CoC (for NRC Package Identification No. USA/9283/B(U)-96) for the Model 660 Series of radiographic projectors and that the Type B(U) CoC No. 9283 will expire on June 30, 2013 (as stated on Condition No. 11 of the CoC). QSA also indicated that their Type A package certification will lapse on the same day.

QSA offered several factors for its business decision: "S" Tube wear, age of the units, resources required to manufacture replacement parts and maintain documentation, and the inability to meet the ISO 3999-1 2000E standard.

ML13107A027

BACKGROUND

As specified in the regulations, once a certification expires, the package cannot be shipped or transported legally. A valid certificate must be in place to allow legal transport in accordance with international and United States regulations.

DISCUSSION

Users may continue to use the package in accordance with the CoC until June 30, 2013. Users of the package should specifically note Condition 8(c) of the CoC which states that "No service operations shall include the replacement of the shell, of the depleted uranium shield, or any shell weld repair." The safety evaluation report details the reasons for condition 8(c). In particular, the model is no longer manufactured (as of 2001) and QSA confirmed that it was not willing to repair or replace the shell on packages currently in use or repair welds.

On July 1, 2013, the Model 660 Series device will no longer be an NRC-authorized transportation package. On this date, an approved package other than the Model 660 Series must be used for transport of the 660 Series radiography sources. This applies to the following models: 660, 660E, 660A, 660AE, 660B, and 660BE.

After June 30, 2013, a certified Type B container (overpack) may be used to lawfully transport the projectors containing a radiography source inside. If licensees have a need to transport 660 Series radiography projectors containing a radiography source inside after June 30, 2013, without a certified Type B container (overpack) they may request that the NRC approve a limited number of shipments pursuant to 10 CFR 71.17(a). These approvals are issued on a limited basis to address unique situations. The Model 660 Series device incorporates depleted uranium for shielding; therefore, even without a radiography source inside, the device must meet the transportation requirements for a manufactured article containing depleted uranium.

Users are encouraged evaluate their program to identify the best option for them to be in compliance with NRC regulations regarding transport of the 660 Series radiography projectors with or without radiography sources. These options include making arrangements for final disposition of the 660 Series radiography devices in their possession prior to the June 30, 2013, expiration date. However, per 10 CFR 71.5(a), the projectors may still be used at an NRC or Agreement State-licensed site provided that they are not moved while containing a radiography source without a certified overpack.

If users dispose of the current radiography projector or obtain a radiography projector that has a current CoC, they should be aware that changes in material held under its license may require changes to its possession and use licenses issued by the NRC or an Agreement State.

CONTACT

This IN requires no specific action nor written response. If you have any questions about the information in this notice, please contact the technical contacts listed below or the appropriate regional office.

/RA Eric Benner for/

Mark D. Lombard, Director
Division of Spent Fuel Storage
and Transportation
Office of Nuclear Material Safety
and Safeguards

/RA/

Brian J. McDermott, Director
Division of Materials Safety
and State Agreements
Office of Federal and State Materials
and Environmental Management Programs

Contacts: Pierre Saverot, NMSS
(301) 492-3408
E-mail: Pierre.Saverot@nrc.gov

Katie Wagner, FSME
(301) 415-6202
E-mail: Katie.Wagner@nrc.gov

Enclosure: List of Recently Issued FSME Generic Communications

CONTACT

This IN requires no specific action nor written response. If you have any questions about the information in this notice, please contact the technical contacts listed below or the appropriate regional office.

/RA Eric Benner for/

Mark D. Lombard, Director
Division of Spent Fuel Storage
and Transportation
Office of Nuclear Material Safety
and Safeguards

/RA/

Brian J. McDermott, Director
Division of Materials Safety
and State Agreements
Office of Federal and State Materials
and Environmental Management Programs

Contacts: Pierre Saverot, NMSS
(301) 492-3408
E-mail: Pierre.Saverot@nrc.gov

Katie Wagner, FSME
(301) 415-6202
E-mail: Katie.Wagner@nrc.gov

Enclosure: List of Recently Issued FSME Generic Communications

ML13107A027

OFC	MSSA/LB	NMSS/DSFST/LB	MSSA/LB	NMSS/DSFST/LB
NAME	KWagner	PSaverot **via Email**	MKotzalas	MSampson **via Email**
DATE	04/17/2013	04/17/2013	04/18/2013	04/26/2013
OFC	MSSA/RMSB	FSME/MSSA	FSME/MSSA	NMSS/DSFST
NAME	AMcIntosh **via Email**	PHenderson	BJMcDermott	MLombard
DATE	04/18/2013	04/22/2013	05/2/2013	05/2/2013

OFFICIAL RECORD COPY