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February 3, 2009

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Licensing Assistance Team
Division of Nuclear Material Safety
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Dear Sir or Madam:

03031302

We would like to amend our current Radioactive Material License Number: 52-25066-01 to add a Sodern Controlled Neutron Analyzer (CNA GEN III). The analyzer uses a neutron generator to produce neutrons (similar to an X-ray tube). When the unit is powered off, it will stop emitting neutrons. Details for this equipment can be found in the Manufacturer's SS&D GA-1077-D-101-S

The Sodern Controlled Neutron Analyzer is manufactured by:
EADS SODERN
20 Avenues Descartes
94451 Limeil-Brevannes
France
Tel: + 33 145 95 7109

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REGION 1

Distributor (Local Sales & Service):
EADS Sodern North America, Inc.
10455 Pacific Center Ct.
San Diego, CA 92121-4339
Tel: (858) 457-2000

The analyzer will use Pulse Fast Thermal Neutron Analysis (PFTNA) to measure raw material composition as the material passes through it on the belt. The Neutron Emitting Module (NEM 16 series) used in the CNA is a sealed source consisting of a pressurized stainless steel housing containing electrical circuits, a heat sink, and a neutron sealed tube containing tritium in the form of tritium hydride. The target and the reservoir are impregnated with a mixture of 50% deuterium and 50% tritium (120 GBq - 3.3 Ci). We are requesting authorization for 3 NEMs to be on-site. One NEM is to be installed in the CNA, one to be stored on site as a spare, and a third NEM to provide a buffer for times of shipment to/from site. All NEMs will be returned to manufacturer for disposal.

Sodern will train all authorized users in proper use and handling procedures for the NEM prior to startup.

If you require any supplementary information, please contact me at (787) 721-5878 ext. 237, or e-mail: vanessa.medina@essroc.com

Sincerely

Vanessa Medina
Supervisor
Safety & Health

143339

NMSS/RCN1 MATERIALS-002

This is to acknowledge the receipt of your letter/application dated

2/3/2008, and to inform you that the initial processing which includes an administrative review has been performed.

Amend. 52-2566-08
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 143339.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.