



January 16, 2017

Materials Licensing Branch

U.S. Nuclear Regulatory Commission, Region III

2443 Warrenville Road, Suite 210

Lisle, IL 60532-4352

Reference: Application for Renewal of Material License 13-06932-03

Dear: Kevin Null

Please accept this letter, in response to your inquire.

The responses I have made are following this cover letter.

Should you have any questions or require additional information please contact me, at the telephone number below.

Yours truly,

A handwritten signature in cursive script that reads "James Tuinstra".

James Tuinstra

(219) 781-4411

1100 Indianapolis Boulevard

Hammond, IN 46320

Item 1 from NRCform699cargillRENEWAL012017.pdf

- A. Sealed Source (Texas Nuclear Model 5191)
- B. Sealed Source (Texas Nuclear Model 5202)
- C. Sealed Source (Texas Nuclear Model 5201)
- D. Sealed Source (Ronan Model RLLI5890)

Item 2 from NRCform699cargillRENEWAL012017.pdf

I have reviewed license condition number 11 on our current license and the reference made to letter dated April 28, 2006, and confirm that this letter still applies for training users of licensed material.

Item 3 from NRCform699cargillRENEWAL012017.pdf

Cargill possessed one portable gamma-ray and ion chamber survey meter identified below:

Manufacturer- Fluke (Primary)

Model- 451P

Calibrated every six months.

Manufacturer- Nuclear Chicago Corp. (Backup)

Model- 2650

Calibrated once a year.

Item 4 from NRCform699cargillRENEWAL012017.pdf

Our assessment of our sources at 30 cm is as follows:

- A. Texas Nuclear Model 5191: 0.532 mrem/h

Worst case of 2 hours per week near unit with 104 hours a year is 55.349 mrem/year.

Source is located on out of service equipment piping. In order to get to it, scaffold has to be put up.

If anyone walks through the room they are 9 ft from it. Any employee actual interaction is zero hours a week.

B. Texas Nuclear Model 5202: 0.763 mrem/h

Worst case of 2 hours near unit with 104 hours a year is 79.333 mrem/year.

Source is located on equipment piping. In order to get to it, scaffold has to be put up.

If anyone walks through the room they are 6 ft from it. Any employee actual interaction is zero hours a week.

C. Texas Nuclear Model 5201: 0.798 mrem/h

Worst case of 2 hours near unit with 104 hours a year is 83.023 mrem/year.

Source is located on equipment piping with cage enclosure around source.

If anyone walks through the room they are 1 ft from the cage it is in. Any employee actual interaction is zero hours a week.

D. Ronan Model RLLI5890: 0.091 mrem/h

Worst case of 10 hours near unit with 520 hours a year is 47.508 mrem/year.

Source is located on equipment piping.

If anyone walks through the room they are 2 ft from the source. Any employee actual interaction is zero hours a week.

Montoya, Brenda

From: Sandrik, Lauren
Sent: Tuesday, January 24, 2017 1:59 PM
To: Montoya, Brenda
Subject: FW: RE: telephone call
Attachments: NRCform699cargillRENEWAL012017.pdf; Reply From Cargill 1.16.2017.pdf

From: Null, Kevin
Sent: Tuesday, January 24, 2017 12:50 PM
To: Taylor, Tiresha <Tiresha.Taylor@nrc.gov>; Sandrik, Lauren <Lauren.Sandrik@nrc.gov>
Cc: Tomczak, Tammy <Tammy.Tomczak@nrc.gov>
Subject: FW: RE: telephone call

Tiresha and Lauren,

The attached 1/16/17 letter of response to my request for additional information needs to get into ADAMS. Please send me the ML number.

Thanks,

Kevin

From: James Tuinstra [mailto:James_Tuinstra@cargill.com]
Sent: Monday, January 16, 2017 8:26 AM
To: Null, Kevin <Kevin.Null@nrc.gov>
Subject: [External_Sender] RE: telephone call

Hi Kevin,

Attached is my response and original attachment from you.

Thanks,

James Tuinstra
PDG Engineer
Packaging



1100 Indianapolis Boulevard
Hammond, IN 46320

From: Null, Kevin [<mailto:Kevin.Null@nrc.gov>]
Sent: Thursday, January 12, 2017 11:47 AM
To: James Tuinstra
Subject: telephone call

Hi James,

Attached is a record of our conversation from today. Please confirm receipt of this e-mail and attachment, and let me know when you will be able to provide the additional information.

Please e-mail your response. Prepare a cover letter with original signature, scan and e-mail to me with a response to each item described in the attachment.

Call or e-mail me if you have any questions.

Thanks,

Kevin Null
US NRC, Region III
815-922-0891