

February 4, 2020

Ms. Laura Cender
Nuclear Materials Licensing Branch
USNRC, Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois, 60532-4352

Ms. Cender,

Please find enclosed the responses to the conversation record from 1/28/20 for the amendment of license number 21-35537-01.

Response to questions are provided with the corresponding questions below:

1. The letter dated December 10, 2019 described the byproduct source material as being tritium bound as Titanitrid with protective silicone seals. Please confirm that this Titanitrid product is in the form of a solid foil, and is not a gas. *The source tritium bound as Titanitrid (liquid phase sintering) which results as a solid metal.*
2. In section 4 of your request you state that the device is designed for minimal user maintenance, but in Section 9 of your application you state that routine and non-routine analytical maintenance will be performed by in-house technicians.
 - a. Please describe the activities that may be performed as part of routine and non-routine analytical maintenance. *Examples of routine or non-routine maintenance activity would include replacing internal pumps, calibrating flow meters, and replacing scrubbers.*
 - b. Please describe any maintenance, source replacement, cleaning, calibration, or other maintenance activities that would require technicians to interact directly with the source. Please note that Condition 22 of your license currently limits such activities to the device manufacturer or other licensed individuals. *There are no activities that would require our analytical technicians to interact directly with the source. If an issue develops that would require this the device would be sent to the manufacturer or other licensed individual/company that would be recommended by the manufacturer and has appropriate license to handle this source.*
3. Please confirm that leak tests will be performed prior to receipt and disposal of the devices. *Leak tests have been performed by the manufacturer and will be provided with all other documents associated with these devices upon receipt.*

Please contact me at (989) 636-4110 or Cynthia.r.myers@dupont.com if you have any questions or require additional information. Thank you.

Sincerely,



Cynthia Myers
Radiation Safety Officer,
DDP Specialty Electronic Materials US, Inc.
Unit 96, Office 117
3400 S Saginaw Rd.
Midland, MI 48640

Song, Taehoon

From: Cender, Laura
Sent: Friday, February 28, 2020 3:15 PM
To: Song, Taehoon; Pavon, Sandy
Subject: FW: RE: Pending Amendment of NRC License No. 21-35537-01 - Additional Information Requested
Attachments: tritium source.pdf

Hello Tae,

Please enter the attached file into ADAMS under a green 665.

Licensee: DDP Specialty Electronic Materials US, Inc.
License No. 21-35537-01
Docket No. 030-39163
Control No. 617225

Please let me know if you have any questions.

Thank you,
Laura

From: Myers, Cynthia R <cynthia.r.myers@dupont.com>
Sent: Tuesday, February 04, 2020 9:07 AM
To: Cender, Laura <Laura.Cender@nrc.gov>
Subject: [External_Sender] RE: Pending Amendment of NRC License No. 21-35537-01 - Additional Information Requested

Laura,
Please find enclosed my letter of response for additional information. Let me know if there is anything else you may need. Thanks.

Cindy

From: Cender, Laura <Laura.Cender@nrc.gov>
Sent: Tuesday, January 28, 2020 1:05 PM
To: Myers, Cynthia R <cynthia.r.myers@dupont.com>
Subject: [EXTERNAL] Pending Amendment of NRC License No. 21-35537-01 - Additional Information Requested

Hello Cindy,

Thank you for taking time out of your day to discuss your pending NRC license amendment request. As we discussed, a record of our conversation is attached.

Please provide your signed and dated response to the requested items by no later than Friday, February 14, 2020.

Thank you,
Laura

Laura Cender

U.S. Nuclear Regulatory Commission
Materials Licensing Branch
E-mail: Laura.Cender@nrc.gov
Phone: (630) 829-9712