

Kelly, Jason

From: Michael Matthews <mmatthew@duro-last.com>
Sent: Friday, January 24, 2020 8:37 AM
To: Kelly, Jason
Subject: [External_Sender] Requested Information for U.S. NRC Materials License No. # 21-26714-01/ Mail Control Number 616867

Jason,

Thank you for your assistance in more fully understanding the scope of our Radiation Safety processes, equipment and my duties.

The summary of our conversation on 12/12/19 was accurate and helpful.

Additional information I was able to collect on the Betacontrol of America, Inc., Model MK 1.0 Transmission Gauging Device with a Krypton-85 sealed source indicated it has an activity of 50 mCi (1.85 GBq) and an air gap of 20mm. The sealed source has a nameplate that indicates Model 700-547.

A summary of the information you requested is as follows:

- 1) Our company is in possession of one (1) Betacontrol of America, Inc., Model MK 1.0 Transmission Gauging device and two (2) Thermo EGS Gauging, LLC, Model TFC-190 Beta Gauging Devices.
- 2) The Betacontrol unit has a Krypton-85 sealed source with a maximum activity of 50 millicuries (1.85 GBq) and the two Thermo EGS gauges have a Strontium-90 source with a maximum activity of 100 millicuries (3.7 GBq) each.
- 3) All 3 gauges are used for membrane thickness gauging.

I will also forward the "Delegation of Authority" document soon signed by Tom Sacli our Chief Executive officer as soon as I receive it.


Thank you again for your assistance, please call directly to my cell phone(989-430-0911) if you need any addition information.

Michael J. Matthews | Corporate Safety Director |
Duro-Last Roofing Inc. and JRB Personnel LLC | 525 Morley Drive, Saginaw, MI. 48601 |
Phone: 989-758-1053 | Cell: 989-430-0911 | Fax: 989-753-0143 | Email: mmatthew@duro-last.com





CONVERSATION RECORD

NAME OF PERSON(S)/TITLE CONTACTED OR IN CONTACT WITH YOU Michael Matthews, Director Env. Health & Safety	DATE OF CONTACT 12/12/2019	TYPE OF CONVERSATION <input type="checkbox"/> E-MAIL <input checked="" type="checkbox"/> TELEPHONE <input checked="" type="checkbox"/> INCOMING <input type="checkbox"/> OUTGOING
E-MAIL ADDRESS mmatthew@duro_last.com	TELEPHONE NUMBER (989) 430-0911	
ORGANIZATION Plastatech Engineering, Ltd.	DOCKET NUMBER(S) 030-34117	
LICENSE NAME AND NUMBER(S) U.S. NRC Materials License No. #21-26714-01	MAIL CONTROL NUMBER(S) 616867	
SUBJECT Response to U.S. NRC Request for Additional Information dated November 7, 2019.		
SUMMARY AND ACTION REQUIRED (IF ANY) Among the items discussed in our conversation, we discussed the specific information requested to respond to Item 4 of my letter dated November 7, 2019. During our conversation, I restated the bulleted items included in Item 4 and we reviewed the information that you had available to include in your response and other information that you may be obtain by reviewing again the Device Labeling, Leak Test Report, Physical Inventory Records or contacting the Manufacturer/Distributor of your Gauging Devices. In my request, I requested the bulleted information below relating to your license authorizations in Items 6, 7, 8 and 9. <ul style="list-style-type: none">• Identify each radionuclide and nominal activity in each fixed gauge.• Identify the manufacturer (or distributor) and model number of each type of fixed gauge.• State the number of each type of fixed gauge requested.• Provide a description of the use of the gauges.• Confirm that the activity per source and maximum activity per gauge will not exceed the maximum activity listed in the approved certificate of registration issued by the NRC or by an Agreement State.		
NAME OF PERSON DOCUMENTING CONVERSATION Jason M Kelly, MPH, Health Physicist		
SIGNATURE 		DATE OF SIGNATURE 12/12/2019

CONVERSATION RECORD (continued)

LICENSE NAME AND NUMBER(S)

U.S. NRC Materials License No. #21-26714-01

MAIL CONTROL NUMBER(S)

616867

SUMMARY AND ACTION REQUIRED (IF ANY) (Continued)

Below, I have restated each of the bulleted items and have included the information that you were able to provide during our conversation.

- Identify each radionuclide and nominal activity in each fixed gauge.

You confirmed that your company possessed one (1) betacontrol of America, Inc., Model MK 1.0 Transmission Gauging Device with a Krypton-85 Sealed Source with an unknown activity. You also confirmed that you possessed two (2) Thermo EGS Gauging, LLC, Model TFC-190 Beta Gauging Devices with a Strontium-90/Yttrium-90 Sealed Sources with a maximum activity of 100 millicuries each.

- Identify the manufacturer (or distributor) and model number of each type of fixed gauge.

You confirmed that your company presently possessed one (1) betaControl of America, Inc., Model MK 1.0 Transmission Gauging Device. You also confirmed that your company possessed two (2) Thermo EGS Gauging, LLC, Model TFC-190 Beta Gauging Devices.

- State the number of each type of fixed gauge requested.

You confirmed that your company presently possessed one (1) betaControl of America, Inc., Model MK 1.0 Transmission Gauging Device. You also confirmed that your company possessed two (2) Thermo EGS Gauging, LLC, Model TFC-190 Beta Gauging Devices.

- Provide a description of the use of the gauges.

You identified that your gauging devices are exclusively used for thickness measurements.

- Confirm that the activity per source and maximum activity per gauge will not exceed the maximum activity listed in the approved certificate of registration issued by the NRC or by an Agreement State.

You confirmed that your company possessed one (1) betacontrol of America, Inc., Model MK 1.0 Transmission Gauging Device with a Krypton-85 Sealed Source with an unknown activity. You also confirmed that you possessed two (2) Thermo EGS Gauging, LLC, Model TFC-190 Beta Gauging Devices with a Strontium-90/Yttrium-90 Sealed Sources with a maximum activity of 100 millicuries each.

You identified that you would locate information regarding the activity contained in your one (1) betacontrol of America, Inc., Model MK 1.0 Transmission Gauging Device. This information would be helpful in determining the identity of the Source Model, which depending on the activity may either be a QSA Global, Inc., Model KAC.D1 or KAC.D3 (with a maximum activity of 500 millicuries) or a Institute National de Radioelements Model 700-052.002 or 700-052.004 (with a maximum activity of 60 millicuries).

Based on Leak Test Reports and information appearing on the Device Labels, you were able to confirm that you possessed a Themo EGS Gauging, LLC, Model TFC-190 Beta Gauging Device containing a 100 millicurie Sealed Sources, which corresponds to the Eckert & Ziegler Isotope Products, Inc., (formerly QSA Global, Inc.) Model SIF.D1 identified in SS&D Registry Sheet No. MA-1287-D-107-B.