From: M Albanese
To: Park, James; Joe Weismann
Cc: Travis Snowder; Simmons, Michelle
Subject: [External_Sender] RE: RE: RE: Sealed source question
Date: Thursday, July 21, 2022 7:02:26 PM

Mr. Park,

Our material qualification process (OP-PRO-607) for inbound waste checks activity against the license possession limits and disposal facility WAC's. License possession limits will be monitored as waste comes onto and leaves the license, maintaining a current inventory system to catch any additional regulatory triggers such as: Part 37 or Emergency Plans.

Mike A.

From: Park, James <James.Park@nrc.gov>
Sent: Thursday, July 21, 2022 2:19 PM
To: M Albanese <malbanese@qaltek.com>; Joe Weismann <joe.weismann@usecology.com>
Cc: Travis Snowder <tsnow@qaltek.com>; Simmons, Michelle <Michelle.Simmons@nrc.gov>
Subject: RE: RE: RE: Sealed source question

Dear Mr. Weismann:

Regarding the devices containing Am-241, what procedures/processes will QTA employ to keep the quantity below category 2, as shown in Table 1 of Appendix A to 10 CFR part 37?

Thanks,
Jim

James Park
U.S. Nuclear Regulatory Commission

From: M Albanese <malbanese@qaltek.com>
Sent: Wednesday, July 20, 2022 3:30 PM
To: Park, James <James.Park@nrc.gov>; Joe Weismann <joe.weismann@usecology.com>
Cc: Travis Snowder <tsnow@qaltek.com>; Simmons, Michelle <Michelle.Simmons@nrc.gov>
Subject: [External_Sender] RE: RE: Sealed source question

Mr. Park,

Nuclear Density Gauge (NDG)
Analytical devices typically have: Ni-63, Cd-109, Fe-55, Am-241

MA

From: Park, James <James.Park@nrc.gov>
Sent: Wednesday, July 20, 2022 1:14 PM
To: M Albanese <malbanese@qaltek.com>; Joe Weismann <joe.weismann@usecology.com>

Cc: Travis Snowder <tsnow@qaltek.com>; Simmons, Michelle <Michelle.Simmons@nrc.gov>
Subject: RE: RE: Sealed source question

Hi Mr. Weismann:

Yes, that does help. And what does NDG stand for? And what radionuclide sources might be in the analytical devices?

Thanks,
Jim

From: M Albanese <malbanese@qaltek.com>
Sent: Wednesday, July 20, 2022 3:10 PM
To: Park, James <James.Park@nrc.gov>; Joe Weismann <joe.weismann@usecology.com>
Cc: Travis Snowder <tsnow@qaltek.com>; Simmons, Michelle <Michelle.Simmons@nrc.gov>
Subject: [External_Sender] RE: Sealed source question

Mr. Park,

None of the sources will require Part 37 security requirements.
Likely sealed sources are Tritium exit signs, NDG's, fixed gauges (IAEA Cat. 4 &5), smoke detectors, analytical devices with source in them

Hope that helps,
MA

From: Park, James <James.Park@nrc.gov>
Sent: Wednesday, July 20, 2022 12:40 PM
To: Joe Weismann <joe.weismann@usecology.com>
Cc: Travis Snowder <tsnow@qaltek.com>; M Albanese <malbanese@qaltek.com>; Simmons, Michelle <Michelle.Simmons@nrc.gov>
Subject: Sealed source question

Hello Mr. Weismann:

A quick question: does QTA have a general sense of which sealed sources and devices it anticipates receiving at the Mayfield facility for processing, temporary storage, and then offsite disposal or recycling? The QTA application refers to 10 CFR part 20 requirements; does QTA anticipate receiving any sealed sources and devices that might require implementation of 10 CFR part 37 security requirements?

If this in the application, could you please direct me to where I might find the information?

Thank you,
Jim

James Park