

6/3/2021

U.S. Nuclear Regulatory Commission
Region 3
2443 Warrensville Road, Suite 210
Lisle, IL 60532-4352

Subject: RAI for Amendment Request to Allow for Possession of Thorium-230 Sources

Ref: License #34-00507-16, Docket #030-05626, Mail Control No. 625679

Dear Mr. Tran,

In a letter dated April 26, 2021, the NASA Glenn Research Center (GRC) requested that the NRC update GRC's inventory of allowable radioactive materials to include Th-230 wide area and disk sources. Per your request for additional information, these sources may include:

- Th-230 anodized onto Al foil which is epoxied onto Al plate: Eckert & Ziegler Product Code TZR07021, 27nCi (1 kBq) Th-230. NIST traceable.
- Th-230 anodized onto Al foil which is epoxied onto Al disk: Eckert & Ziegler Product Code TZR03011 or TZR04011, 5nCi (185Bq) Th-230. NIST traceable.
- Th-230 anodized onto Al Foil which is epoxied into stainless-steel dish: Eckert & Ziegler Product Code TZR0811, 5nCi (185Bq) Th-230. NIST traceable.
- Th-230 electroplated onto solid metal disk: Eberline/Thermo Model No. DNS-11, 5nCi (185 Bq) max Th-230. NIST traceable.

Again, as identified in our earlier letter, this request should allowed possession of up to 10 such items total. These licensed Th-230 sources will be used by or under the supervision of individuals identified in license condition 11.A.

As you process this amendment action, I request that you also make an administrative change to Condition 10.A.A of our license to reflect a site name change. The condition should read:

10.A.A. John H. Glenn Research Center at Neal A. Armstrong Test Facility, 6100 Columbus Avenue, Sandusky, Ohio 44870.

If you have any other question, please contact me.

Sincerely,

Chris Blasio
NASA GRC Radiation Safety Officer.