

SPECTECH

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January 6, 2021

GLTS

Director
Office of Nuclear Material Safety and Safeguards
ATTN: Document Control Desk/Exempt Distribution
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

License No. 41-23845-01E
Docket No. 030-34126

Subject: Annual Material Transfer Report for Exempt Quantities Distribution

Director:

The attached information is provided to satisfy the annual reporting requirements pursuant to 10 CFR 32.20 for our Exempt Quantity Distribution License No. 41-23845-01E, Docket No. 030-34126. Transfers of byproduct material under 10 CFR 32.18, for use under 10 CFR 30.18 or equivalent regulations of an Agreement State, during the reporting period between January 1, 2020 and December 31, 2020 can be found on the attached report.

Records of transfer of material identifying, by name and address, each person to whom byproduct material was transferred for use under 10 CFR 30.18 or the equivalent regulations of an Agreement State stating the kinds, quantities, and physical form of the byproduct material are maintained on file at Spectrum Techniques.

If you have any questions, please feel free to contact me at d.sims@spectrumtechniques.com or (865) 482-9937.

Sincerely,



Daniel M. Sims
Radiation Protection Manager
Spectrum Techniques, LLC.

Spectrum Techniques' 2020 Radioactive Material Transfer Report

RADIONUCLIDE	FORM	TOTAL ACTIVITY		
		μCi	mCi	MBq
Antimony 125	Solid Sealed Source	0.75	0.00075	0.02775
Barium 133	Solid Sealed Source	1221.705	1.221705	45.203085
Cadmium 109	Solid Sealed Source	453.2	0.4532	16.7684
Carbon 14	Solid Sealed Source	208.1	0.2081	7.6997
Cesium 137	Solid Sealed Source	8868.658	8.868658	328.140346
Cobalt 57	Solid Sealed Source	4804.3	4.8043	177.7591
	Liquid Source	1	0.001	0.037
Cobalt 60	Solid Sealed Source	930.67	0.93067	34.43479
Europium 152	Solid Sealed Source	338.05	0.33805	12.50785
Europium 155	Solid Sealed Source	212	0.212	7.844
Iodine 125	Solid Sealed Source	18.9	0.0189	0.6993
Iron 55	Solid Sealed Source	1085.2	1.0852	40.1524
Lead 210	Plated Source	1.21	0.00121	0.04477
Manganese 54	Solid Sealed Source	337.2	0.3372	12.4764
	Liquid Source	1	0.001	0.037
Polonium 210	Solid Sealed Source	5.71	0.00571	0.21127
	Liquid Source	0.2	0.0002	0.0074
	Plated Source	86.42	0.08642	3.19754
Sodium 22	Solid Sealed Source	1581.9	1.5819	58.5303
Strontium 90	Solid Sealed Source	60.25	0.06025	2.22925
	Plated Source	0.9	0.0009	0.0333
Thalium 204	Solid Sealed Source	640.25	0.64025	23.68925
Tin 113	Solid Sealed Source	41.25	0.04125	1.52625
Zinc 65	Solid Sealed Source	227.25	0.22725	8.40825
	Liquid Source	1	0.001	0.037

TOTAL ACTIVITY SHIPPED IN 2020			21.127073	781.701701
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