



Smiths Detection

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January 19, 2018

30-38540

30-38417

Attn: Document Control Desk/Exempt Distribution
Director of the Office of Federal and State Materials and
Environmental Management Programs
U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001

RE: Annual Exempt Distribution Report

Dear Director:

Listed below, please find the Smiths Detection 2017 annual report for distribution of devices to users exempt from licensing requirements as per 10 CFR 32.29(c).

1. This section is pertaining to Exempt Device Registration No. NR-0163-D-102-E, under Exempt Distribution License No. 19-24009-01E. The devices distributed and useful as described in 10 CFR 30.20(a).

The total quantity of devices distributed to locations within the US, during the calendar year ending 2017 was 35.

The breakdown of these distributions, by model, is as follows:

New distributions in 2017 10 CFR 30.20(a).

Model	Isotope	Activity per source in mCi	Source quantity	Units distributed 2017	Total activity distributed in mCi
IonScan 400B	Ni ⁶³	15	1	0	0
IonScan 500DT	Ni ⁶³	15	2	2	60
Sabre 4000	Ni ⁶³	15	1	0	0
Sabre 5000	Ni ⁶³	15	1	33	495
MMTD	Ni ⁶³	15	1	0	0
Sentinel II	Ni ⁶³	15	1	0	0
Sabre Centurion II	Ni ⁶³	15	1	0	0
				Total in mCi	555

NM5503

In addition to the above device distributions, there were 166 devices in 2017, which were originally distributed as General Licensed during previous years, and have now been converted and redistributed as Exempt devices.

The breakdown of these up-grades from general license to exempt distributions, by model, is as follows:

Model	Isotope	Activity per source in mCi	Source quantity	Units distributed 2017	Total Activity distributed in mCi
IonScan 400B	Ni ⁶³	15	1	0	0
IonSacr 500DT	Ni ⁶³	15	2	166	4980
MMTD.	Ni ⁶³	15	1	0	0
Sabre	Ni ⁶³	15	1	0	0
				Total in mCi	4980

- This section is pertaining to Exempt Distribution License No. 06-24000-01E, as described in 10 CFR 30.15,(a),(9).

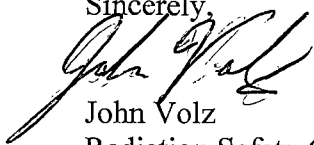
The breakdown of these distributions, by model, is as follows:

New distributions in 2017 10 CFR 30.15.(a).(9)

Model	Isotope	Activity per source in nCi	Source quantity	Units distributed 2017	Total activity distributed in nCi
RadSeeker DL and CL	Na ²²	5.4	1	1	5.4
RadSeeker CS	Na ²²	16.2	1	394	6382.8
				Total in mCi	0.0063882

If you should have any questions please contact me by phone at (410) 612-2535 or by email at john.volz@smithsdetection.com.

Sincerely,



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 Radiation Safety Officer
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