smiths

Smiths Detection

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30-38540
30-38417

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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

NMSS03

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
IonSacn 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

2. 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,

John Volz
Radiation Safety Officer
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