

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE
(AMENDED IN ITS ENTIRETY)

NO.: NR-0668-D-101-E DATE: January 30, 2004 PAGE 1 OF 3

DEVICE TYPE: Smoke Detector

MODEL: CPD 7051 and 7052

DISTRIBUTOR: Kidde Fenwal
400 Main Street
Ashland, MA 01721

MANUFACTURERS:

For Model CPD 7051:
Nohmi Bosai, Ltd.
7-3 Kudan Minami, 4-Chome
Chiyoda-bu Tokyo 102, Japan

For Model CPD 7052:
Kidde Fenwal
400 Main Street
Ashland, MA 01721

SEALED SOURCE AEA Technology plc AMM.1001H
MODEL DESIGNATION: NRD A-001 (Model CPD 7052 only)

ISOTOPE: MAXIMUM ACTIVITY:
Americium-241 0.7 microcurie (25.9 kBq) (NRD
A-001)
0.8 microcurie (29.6 kBq) (AEA
AMM.1001H)

LEAK TEST FREQUENCY: Not required

PRINCIPAL USE: (P) Ion Chamber Smoke Detector

CUSTOM DEVICE: YES NO

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DESCRIPTION:

The Model CPD 7051 is a dual chamber type smoke detector that contains one **AEA AMM.1001H** source of **0.8 microcurie (29.6 kBq)** per detector. These CPD 7051 Models are manufactured in Japan, and are distributed by Kidde Fenwal.

The Model CPD 7052 is also a dual chamber type smoke detector that contains one NRD A-001 source of 0.7 microcurie (25.4 kBq) or one **AEA AMM.1001H** source of **0.8 microcurie (29.6 kBq)** per detector. These CPD 7052 Models are manufactured in Ashland, MA.

The source assembly is the source foil mounted to a 300 Series stainless steel plate and is champed by a 300 Series stainless steel source cover which has three integrally formed tabs which are mechanically folded over the back of the source plate and source cover. A threaded stud which is a part of and located beneath the source plate is then passed through the polycarbonate support plate and the printed circuit board and secured with a washer - lock nut thus forming secondary and tertiary protection above the source assembly.

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DEVICE TYPE: Smoke Detector

REFERENCES:

The following supporting documents for the Models CPD 7051 and 7052 smoke detectors are hereby incorporated by reference and are made a part of this registry document.

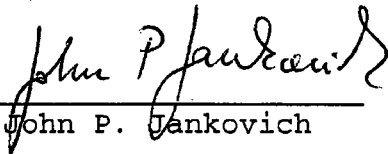
- This registry sheet was originally compiled from information contained in License No. 20-15285-02E
- Kidde Fenwal, Inc.' letter dated November 27, 1991, with enclosures thereto.
- Kidde Fenwal, Inc.' letter dated December 13, 1991.
- Kidde Fenwal, Inc.' letter dated April 1, 1992, with enclosures thereto.
- Kidde Fenwal, Inc.' letters dated March 23, 2002, and May 13, 2002, with enclosures thereto.
- Kidde Fenwal, Inc.' letter dated July 24, 2003, with enclosures thereto.

ISSUING AGENCY:

U.S. Nuclear Regulatory Commission

Date: January 30, 2004

Reviewer:


John P. Jankovich

Date: January 30, 2004

Concurrence:


Ujagar S. Bhachu