

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

NO.: NR-0668-D-101-E

DATE: July 22, 2002

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DEVICE TYPE: Smoke Detector

DESCRIPTION:

The Model CPD 7051 is a dual chamber type smoke detector that contains one Amersham AMM.1001H source of 0.7 microcurie (25.4 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 or Amersham AMM.1001H source of 0.7 microcurie (25.4 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.

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.

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DEVICE TYPE: Smoke Detector

REFERENCES (Cont'd):

- Kidde Fenwal, Inc.' letters dated March 23, 2002, and May 13, 2002, with enclosures thereto.

ISSUING AGENCY:

U.S. Nuclear Regulatory Commission

Date: July 22, 2002

Reviewer: /RA/
Seung J. Lee

Date: July 22, 2002

Concurrence: /RA/
John P. Jankovich