

Materials License No. 20-15285-03E Amendment Request Description per NUREG – 1556, Vol. 3, Sec. 10

10.1 Summary Information

10.1.1 Manufacturer and Distributor – No change, the manufacturer, Nohmi Bosai, Ltd. of Japan, and the distributor, Kidde-Fenwal, Inc. of Ashland MA, remain the same.

10.1.2 Custom User – No change, does not apply.

10.1.3 Other Companies Involved – No change, no other companies involved.

10.1.4 Model Number, Sealed Source and Principal Use Code – The alternate construction sealed source is AEA Technology plc Model AMM – 1001H. No change in the principal use code which remains at "P". (See attached Appendix A, Description of Radioactive Source.)

10.1.5 Radionuclides Used in the Product – Alternate sealed source is Americium 241, which is the same as the current one, however; it is 0.8 microcuries vs. 0.7 microcuries used in the current unit.

10.1.6 Leak Test Frequency – No change, not required.

10.2 Conditions of Use – No change, smoke detectors are primarily installed in commercial and industrial installations.

10.3 Construction of the Product – The alternate assembly construction remains basically the same as the current version. The only changes made are to allow for the alternate sealed source to be mounted on the printed circuit bd. (See attached Appendix B, Construction Details and assembly drawings.)

10.4 Labeling – The labeling information on the alternate construction remains the same except for the radioactive material info. which will be changed from 0.7 microcuries to 0.8 microcuries on the alternate assemblies. (See attached Appendix C, copies of labels.)

10.5 Prototype Testing – The dose rate measurements, temperature test and drop test were performed on the alternate assembly construction units by the Japan Radioisotope Association. The results of these tests indicate that even when the device is subjected to significantly greater abuse than would be expected in normal use, the device effectively retains and shields the radioactive material. (See attached Appendix D, Test Report.)

The alternate assembly construction will be UL Listed the same as the current unit is.

10.6 Radiation Profiles - The dose rate measurements were performed on the alternate assembly construction units by the Japan Radioisotope Association. (See attached Appendix D, Test Report.)

10.7 Quality Control and Quality Assurance – No change, same as current units.

10.8 Installation, Servicing, and Instructions to Users – No change, the installation and servicing instructions remain the same as the ones shipped with the current units.

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