

§32.14 Certification of Application/License Review and Reviewer Check List

Mail Control No.: 022 429

Amendment No.: 54 Expiration Date: 9/30/2004

License No.: 42-21454-01E Program Code: 03251

Docket No.: 030-20785 Reference No.: N/A

Licensee Name: Ludlum Measurements, Inc.

Address: 501 Oak Street, P.O. Box 810, Sweetwater, TX 79556

- Action Type: New License
- New License/Licensee
- Renewal
- Product Transfer Report
- Amendment
- Termination

I certify that I have reviewed the licensee's request dated 7/30/04, as supplemented by any letters referenced in the license and in accordance with guidance provided by the Office of Nuclear Material Safety and Safeguards, appropriate Standard Review Plans and regulations, and the attached checklist.

[Signature]
Reviewer

12/16/04
Date

A. Kirkwood
Reviewer

12/23/04
Date

A. Kirkwood
Person Signing the License

02/11/2005
Date

APPENDIX J

GENERAL COMMENTS: N/A

§32.14: CERTAIN ITEMS (30.15)

A. Applicant satisfied general requirements in 30.33 DEF

COMMENTS: Up-to-date copy of possession and use license from TX not provided - to satisfy 30.33 (a)(2) and (3)

B. Applicant submits sufficient information regarding product pertinent to evaluation of potential radiation exposure, including: DEF

COMMENTS: _____

1. Chemical and physical form and maximum quantity of BPM in each product DEF

COMMENTS: _____

2. Details of construction and design of product DEF

COMMENTS: _____

3. Method of containment or binding of BPM in product DEF

COMMENTS: _____

4. Procedures for prototype testing to demonstrate that the material will not become detached from the product or that BPM will not be released under severe conditions

DEF

COMMENTS: _____

5. Results of prototype testing

DEF

COMMENTS: _____

6. Quality control procedures to be followed in the fabrication, and the quality control standards the product will be required to meet (§32.15)

DEF

COMMENTS: _____

7. Proposed method of labeling or marking each unit, except for timepieces or hands or dials containing H-3 or PM-147 and its container with the identification of the manufacturer or initial transferor and the BPM

DEF

COMMENTS: BPM identification not addressed in application.

8. For products with limits specified in §30.15, the radiation level and method of measurement

~~DEF~~ N/A

COMMENTS: radiation levels not specified in 30.15 for radiation measuring instruments

9. Any additional information, studies, and tests regarding product safety

N/A

COMMENTS: _____

APPENDIX J

C. Each product will contain no more than the quantity of BPM specified for that product in §30.15

DEF

COMMENTS: Isotopes and quantities to be distributed
not provided.

§32.14d(1): Timepieces

The byproduct material is properly contained in the product under the most severe conditions that are likely to be encountered in normal use and handling when hands, dials and pointers are subjected to the following prototype tests (the type or manner of tests(s) used will be dependent upon the form of the byproduct material):

COMMENTS: N/A

§32.14: Certain Items

1. Vibration tests

N/A

COMMENTS: _____

2. Bending of hands or pointers over cylinder

N/A

COMMENTS: _____

3. Immersion tests

N/A

COMMENTS: _____

4. Other tests

N/A

COMMENTS: _____

§32.40: Schedule A-Lock Illuminators

Prototype testing for automobile lock illuminators must consist of the following tests:

N/A

COMMENTS: _____

1. 100 hours of accelerated weathering

N/A

COMMENTS: _____

2. Dropped onto concrete or iron from 3 feet 100 times

N/A

COMMENTS: _____

3. Vibration tests

N/A

COMMENTS: _____

4. Immersion in 30 inches of water for 24 hours to include a pressure (bubble) test

N/A

COMMENTS: _____

5. After each test, prototypes must be examined for evidence of physical damage

N/A

COMMENTS: _____