



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555 - 0001

August 23, 2013

Docket No. 030-38679
Mail Control 581584

License No. Pending

Deborah Spykerman
Operation Manger
Cammenga and Associates, LLC
2011 Bailey Street
Dearborn, MI 48124

SUBJECT: CAMMENGA AND ASSOCIATES, LLC REQUEST FOR ADDITIONAL
INFORMATION CONCERNING APPLICATION FOR A NEW LICENSE

Dear Ms. Spykerman:

This refers to your new license application request dated August 13, 2013. In order to continue our review, we need the following additional information.

10 CFR 30.33 requires you to apply for and obtain a specific license authorizing possession and use of radioactive materials from the States or NRC Regional Offices wherever licensed material are possessed. Please submit a copy of your current NRC license that reflects all of your radioactive material use authorization information.

10 CFR 32.22 requires the applicant submit sufficient information relating to the design, manufacture, prototype testing, quality control procedures, labeling or marking, and conditions of handling, storage, use, and disposal of the self-luminous product to demonstrate that the product will meet the safety criteria set forth in this section and 10 CFR 32.23. Your application dated August 13, 2013 with NRC Form 313, did not fully describe the construction and design of the product. Please submit:

1. Details of construction and design of the product as related to containment and shielding of the byproduct material and other safety features under normal and severe conditions of handling, storage, use, and disposal of the product.
2. Maximum external radiation levels at 5 and 25 centimeters from any external surface of the product, averaged over an area not to exceed 10 square centimeters, and the method of measurement.
3. Degree of access of human beings to the product during normal handling and use.
4. The expected useful life of the product.
5. The proposed method of labeling or marking each unit with identification of the manufacturer or initial transferor of the product and the byproduct material in the product.

6. Procedures for prototype testing of the product to demonstrate the effectiveness of the containment, shielding, and other safety features under both normal and severe conditions of handling, storage, use, and disposal of the product.
7. Results of the prototype testing of the product, including any change in the form of the byproduct material contained in the product, the extent to which the byproduct material may be released to the environment, any increase in external radiation levels, and any other changes in safety features.
8. The estimated external radiation doses and dose commitments relevant to the safety criteria in § 32.23 and the basis for such estimates.
9. A determination that the probabilities with respect to the doses referred to in § 32.23(d) meet the criteria of that paragraph.
10. Quality control procedures to be followed in the fabrication of production lots of the product and the quality control standards the product will be required to meet.
11. Any additional information, including experimental studies and tests, required by the Commission.

We will continue our review upon receipt of this information. If we do not receive a reply from you within 30 calendar days from the date of this letter, we will assume that you do not wish to pursue your application.

In accordance with 10 CFR 2.390 of NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in NRC's Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC web site at <http://www.nrc.gov/reading-rm/adams.html>.

If you have any questions, you may contact me at (301) 415-7640, or by electronic mail at Shirley.Xu@nrc.gov.

Sincerely,

/RA/

Shirley S. Xu
Licensing Branch
Division of Materials Safety and State Agreements
Office of Federal and State Materials and
Environmental Management Programs

6. Procedures for prototype testing of the product to demonstrate the effectiveness of the containment, shielding, and other safety features under both normal and severe conditions of handling, storage, use, and disposal of the product.
7. Results of the prototype testing of the product, including any change in the form of the byproduct material contained in the product, the extent to which the byproduct material may be released to the environment, any increase in external radiation levels, and any other changes in safety features.
8. The estimated external radiation doses and dose commitments relevant to the safety criteria in § 32.23 and the basis for such estimates.
9. A determination that the probabilities with respect to the doses referred to in § 32.23(d) meet the criteria of that paragraph.
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Sincerely,
/RA/
Shirley S. Xu
Licensing Branch
Division of Materials Safety and State Agreements
Office of Federal and State Materials and
Environmental Management Programs

SUNSI Review Complete: SXu

After declaring this document "An Official Agency Record" it **will** be released to the Public.

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NAME	SXu		MKotzalas				
DATE	8/23/2013		8/23/2013				

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