

RADIOACTIVE MATERIAL LICENSE

Pursuant to the California Code of Regulations, Division 1, Title 17, Chapter 5, Subchapter 4, Group 2, Licensing of Radioactive Material, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, use, possess, transfer, or dispose of radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations, and orders of the California Department of Public Health now or hereafter in effect and to any standard or specific condition specified in this license.

<p>1. Licensee: LohnStar Optics, Inc.</p> <p>2. Address: 1863 Commercial Street Escondido, CA 92029</p> <p>Attention: Will Lohneiss Radiation Safety Officer</p>	<p>3. License Number: 8161-37 Amendment Number :</p> <p>4. Expiration Date: February 21, 2027 (5)</p> <p>5. Inspection Agency: San Diego County Department of Environmental Health</p>
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6. Nuclide	7. Form	8. Possession Limit
A. Thorium-232	A. Any (solid, vapor during deposition only)	A. Not to exceed 46 kilograms (102 pounds) (approximately 370 megabecquerels (10 millicuries)).

9. Authorized Use

- A. To be used in the production of thin film optical coatings. Shaping, grinding and polishing post coating is not authorized. Distribution of the coated lenses authorized per NRC's Exempt distribution license 04-35396-01E.

LICENSE CONDITIONS

- 10. Radioactive material shall be used only at the following location:
 - (a) 1863 Commercial Street, Escondido, CA.
- 11. This license is subject to an annual fee for sources of radioactive material authorized to be possessed at any one time as specified in Items 6, 7, 8 and 9 of this license. The annual fee for this license is required by and computed in accordance with Title 17, California Code of Regulations, Sections 30230-30232 and is also subject to an annual cost-of-living adjustment pursuant to Section 100425 of the California Health and Safety Code.
- 12. Radioactive material shall be used by, or under the supervision and in the physical presence of, the following individuals:
 - (a) Will Lohneiss
 - (b) Jim Georgiev
 - (c) Kurt Haendel
 - (d) Jeremy Mode
- 13. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 7, 8 and 9 of this license in accordance with the statements, representations, and procedures contained in the documents listed below. The Department's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
 - (a) The radioactive material license application dated July 27, 2016, and letter dated October 24, 2016, both with attachments, and the letter dated January 24, 2017, all signed by Will Lohneiss, President and Radiation Safety Officer.
- 14. (a) The Radiation Safety Officer in this program shall be Will Lohneiss.

RADIOACTIVE MATERIAL LICENSELicense Number: 8161-37

Amendment Number:

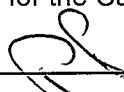
15. Optical lenses manufactured under this license shall contain less than ten (10) percent thorium by weight, and shall not be intended for use as contact lenses, or as spectacles, or as eyepieces in binoculars, telescopes or other optical instruments.
16. At least 30 days prior to vacating any address of use listed in Condition 10 of this license, the licensee shall provide written notification of intent to vacate to the California Department of Public Health, in accordance with Title 17, California Code of Regulations, Section 30256 (b). Control of all licensed areas must be maintained until such areas are released by the Department for unrestricted use or the license is terminated, in accordance with Title 17, California Code of Regulations, Section 30256 (j).
17. A copy of this license and a copy of all records and documents pertaining to this license shall be maintained available for inspection at 1863 Commercial Street, Escondido, CA.
18. The licensee shall comply with all requirements of Title 17, California Code of Regulations, Section 30373 when transporting or delivering radioactive materials to a carrier for shipment. These requirements include; packaging, marking, labeling, loading, storage, placarding, monitoring, and accident reporting. Shipping papers shall be maintained for inspection pursuant to the U.S. Department of Transportation requirements (Title 49, Code of Federal Regulations, Part 172, Sections 172.200 through 172.204).
19. The licensee will provide the Low Level Radioactive Waste (LLRW) reports specified in the California Health and Safety Code section 115000.1(h) to the California Department of Public Health (CDPH) on an annual basis for both shipped and stored LLRW. Alternatively, LLRW shipment information may be provided on a per shipment basis. LLRW shipment information and annual reports shall be mailed to:

Attn: LLRW Tracking Program
California Department of Public Health
Radiologic Health Branch MS 7610
P.O. Box 997414
Sacramento, CA 95899-7414

Issued for the California Department of Public Health

Date: February 21, 2017

By: _____


Ronald Rogus
Senior Health Physicist
Radiologic Health Branch
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