



January 13, 2022

To: ATTN: Document Control Desk/ Exempt Distribution,
Director, Office of Nuclear Material Safety and Safeguards,
U.S. Nuclear Regulatory Commission,
Washington, DC 20555-0001.

Re: 2021 Annual Report pursuant to 10 CFR 40.53

To whom it may concern,

LohnStar Optics Inc. hereby submits its periodic report required by the NRC, license No. 04-35396-01E. This report is for the period including January 1, 2021 through December 31, 2021.

Under the California Agreement State, LohnStar Optics is licensed to process and use ThF₄ (232) in the coating of optical components. The products transferred for use are under 10 CFR 40.13(c)(7). Distributed products are optics coated with thorium fluoride (ThF₄).

The total mass of source material transferred domestically for 2021 was 171.07 grams. All thorium distributed was in the form of ThF₄ as contained in the thin film of thin-film-coated custom optical components. All parts coated are custom, and therefore do not have model numbers associated with them. For the period listed above (2021), there was a total of 10,933 optics distributed.

Please feel free to contact me if you need any additional information or documentation.

Sincerely,

Will Lohneiss
President
LohnStar Optics Inc.