



Department of Energy
Washington, DC 20585

August 24, 2022

Mr. Darryl H. Parsons
Information Security Branch Chief
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852
Mail Stop: O2-D15M

Dear Mr. Parsons:

In reply, refer to AU62-22-N1-0044.

This letter is in response to a classification determination request received from your office. The request is to determine the classification of the Prototype Laser System 1 (PLS-1) as defined in the July 15, 2022, document from SILEX Systems Limited to the Nuclear Regulatory Commission addressing additional questions about PLS-1. PLS-1 is to be shipped from Lucas Heights, Australia to Wilmington, North Carolina.

After reviewing the information provided by Global Laser Enrichment on August 16, 2022, and consulting with two laser experts, the Office of Classification agrees that the PLS-1 operating envelope does not reveal any classified information. However, if the operating envelope changes for future equipment, that equipment will have to be evaluated for a new classification determination.

If you have any questions or comments, please contact me at (301) 903-1185 or Troy O'Baker of my staff at (301) 903-1329.

Sincerely,

A handwritten signature in blue ink, appearing to read "Edith A. Chalk".

Edith A. Chalk
Director
Office Classification
Office of Environment, Health, Safety
and Security