

April 11, 2017

MEMORANDUM TO: Robert K. Johnson, Chief
Fuel Manufacturing Branch
Fuel Facility Licensing Directorate
Division of Fuel Cycle Safety, Safeguards
and Environmental Review

FROM: Merritt N. Baker, Senior Project Manager **/RA/**
Fuel Manufacturing Branch
Division of Fuel Cycle Safety, Safeguards
and Environmental Review

SUBJECT: SUMMARY OF SITE VISIT TO JOHNS HOPKINS ADVANCED
PHYSICS LABORATORY FACILITY TO SUPPORT SAFETY
REVIEW OF LICENSE APPLICATION

On April 4, 2017, staff from the Division of Fuel Cycle Safety, Safeguards, and Environmental Review participated in a site visit to the Johns Hopkins Advanced Physics Laboratory facility in Laurel, Maryland. The purpose of the visit was to obtain an initial awareness of the site and to clarify preliminary questions that the U.S. Nuclear Regulatory Commission staff had with respect to the information in the license amendment application. A summary of the topics discussed during the site visit is enclosed to this memorandum.

If you have any questions, please feel free to contact me.

Docket No. 70-7028

Enclosure:
Summary of Site Visit to
Johns Hopkins Advanced Physics Laboratory

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SUMMARY OF SITE VISIT TO JOHNS HOPKINS ADVANCED PHYSICS LABORATORY
FACILITY TO SUPPORT SAFETY REVIEW OF LICENSE APPLICATION

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DATE	4/06/17	4/06/17	4/07/17

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**SUMMARY OF SITE VISIT TO JOHNS HOPKINS ADVANCED PHYSICS LABORATORY IN
SUPPORT OF LICENSE APPLICATION
(APRIL 4, 2017)**

The U.S. Nuclear Regulatory Commission staff of the Office of Nuclear Material Safety and Safeguards (NMSS), Division of Fuel Cycle Safety, Safeguards, and Environmental Review met with Johns Hopkins Advanced Physics Laboratory (JHAPL) staff to discuss the information in JHAPL's license application for a Title 10 of the *Code of Federal Regulations*, Part 70 materials license, and participated in a site tour. No Classified or Safeguards matters were discussed. The following topics were covered during the site visit:

a) Overview

JHAPL provided an overview of their activities, organization, mission areas, and core competencies.

b) Agreement State License and the new application

JHAPL described some key aspects of the license application, including the role of the new licensed activities and the Maryland Agreement State license. The Material Control and Accounting Branch (MCAB) staff discussed tracking under Nuclear Material Management Safeguards System. There was a discussion of transportation requirements and jurisdictions, the Quality Assurance Program Description, which will be submitted to Maryland and the State of Washington soon. MCAB staff examined some transaction reports and the accompanying procedure.

c) Tour

JHAPL staff provided an escorted tour of the high bay area where some activities authorized by the current Agreement State license are taking place. The tour also included onsite storage areas described in the application as well as some safety and security features of the campus.

JHAPL Representatives: David Bisson, Stanley Puchalla, Daniel Raimi-Zlatic

NRC Representatives: Suzanne Ani, Merritt N. Baker, Ed Helvenston, Sheiba Tafazzoli