

July 22, 2022

U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852-2738

Attention: Document Control Desk

Subject: Notification of Fabrication of the NAC International OPTIMUS®-L and -H Transportation Packagings

Docket Numbers: 71-9390 and 71-9392

References:

1. ED20210141, Request for Nuclear Regulatory Commission's (NRC) Approval of the NAC OPTIMUS®-H Transportation Package, December 22, 2021
2. ED20220003, Supplement to NAC International Inc. (NAC) Request for Nuclear Regulatory Commission's (NRC) Approval of the NAC OPTIMUS®-H Transportation Package, January 20, 2021
3. NRC Certificate of Compliance (CoC) No. 9390 Revision 0, NAC OPTIMUS®-L Package, December 16, 2021

NAC International Inc. (NAC), hereby, notifies the NRC of fabrication activities associated with the NAC OPTIMUS-H and -L packagings that are to be used in the United States. All fabrication, inspection and testing activities have been and will continue to be conducted under the NAC Quality Assurance Program (QAP) which meets the requirements of 10 CFR 71, Subpart H.

Per 10 CFR 71.93(c), a CoC holder or applicant shall notify the NRC 45-days in advance of starting fabrication of the first packaging under a CoC. Contrary to this requirement, NAC has started fabrication of the first "-H" and "-L" packagings to be used in the United States without giving the NRC proper advanced notice. NAC has entered this issue into our Corrective Action Program (CAP) under Corrective Action Report (CAR) 22-03. The following provides a status of those packages that are currently in fabrication and those that have been completed.

OPTIMUS-H Packagings (NRC initial application submitted in December 2021)

- **OPTIMUS-H Serial # 001**
 - Fabricator: Joseph Oat Corporation (JOC) – Camden, NJ and Hodge & Elyria Foundries, Inc. – Greenville, PA
 - Fabrication Order Date: 10/24/2018
 - Fabrication Completion Date: 1/21/2020
 - Current Status: In storage at Alaron facility in Wampum, PA

U.S. Nuclear Regulatory Commission
July 22, 2022
Page 2

- **OPTIMUS-H Serial #'s 007 & 008¹**
 - Fabricator: ABW Technologies, Inc. (ABW) – Arlington, WA and Glidewell Specialties Foundry (Glidewell) – Calera, AL
 - Fabrication Order Date: 3/3/2022
 - Fabrication Estimated Completion Date: December 2022
 - Current Status: In fabrication

OPTIMUS-L Packagings (NRC application submitted in August 2020)

- **OPTIMUS-L Serial #'s 019 & 020²**
 - Fabricator: ABW
 - Fabrication Order Date: 9/24/2021
 - Fabrication Completion Date: 7/6/2022
 - Current Status: In storage at Bionomics, Inc. facility in Oak Ridge, TN until first use shipments
- **OPTIMUS-L Serial #'s 021 & 022**
 - Fabricator: JOC
 - Fabrication Order Date: 3/3/2022
 - Fabrication Estimated Completion Date: December 2022
 - Current Status: In fabrication

Note, the OPTIMUS-H CoC initial issuance is currently under NRC review (References 1 and 2) and the OPTIMUS-L CoC was issued December 16, 2021 (Reference 3). Also, the first “-H” packaging fabrication began in October 2018 prior to NAC becoming a CoC applicant for either the “-H” or “-L” packaging. The first “-L” package fabrication began in September 2021.

Upon request from the NRC, NAC will make provisions for the NRC staff to inspect the premises and facilities where the OPTIMUS packages and/or their components are fabricated, tested or stored, and to permit to perform tests that the NRC deems necessary. In addition, NAC will provide the NRC with any fabrication records associated with the OPTIMUS packages should that be requested by the NRC. If you have any further questions regarding this matter, please contact me via email at wfowler@nacintl.com or via phone at 678-328-1236.

Sincerely,

Wren Fowler

Digitally signed by Wren Fowler
Date: 2022.07.22 13:05:25
-04'00'

Wren Fowler
Director, Licensing
Engineering

¹ OPTIMUS-H serial numbers 002-006 have been delivered to a customer outside the United States for use under their competent authority's authorization.

² OPTIMUS-L serial numbers 001-018 have been delivered to a customer outside the United States for use under their competent authority's authorization.