



April 28, 2020

US NRC Region 1  
2100 Renaissance Blvd., Suite 100  
King of Prussia, PA 19406-2713

Via Email: [RidsRgn1MailCenter@nrc.gov](mailto:RidsRgn1MailCenter@nrc.gov)

*Subject: AmeriPhysics, LLC Notification to NRC of Work Activity under License Number 41-35264-01, Amendment No.2 at the Department of Veterans Affairs, West Haven, CT*

Please accept this letter as our notification to the Regional Administrator, U.S. Nuclear Regulatory Commission, at the Region 1 Office in accordance with Section 18 A. of AmeriPhysics, LLC NRC Radioactive Materials License Number 41-35264-01.

AmeriPhysics, LLC (AmeriPhysics) has been contracted to perform the removal of an RDS-112 cyclotron and associated equipment at the VA Connecticut Medical Center located at 950 Campbell Avenue, West Haven, CT 06516. These work activities include:

- Cyclotron system removal; characterization, transportation and disposal of resultant wastes; and performance of post equipment removal surveys.

In accordance with Section 18 A of AmeriPhysics, LLC NRC Radioactive Materials License Number 41-35264-01, the following information is provided:

- **(1) Estimated type, quantity, and physical/chemical form(s) of material:**
  - AmeriPhysics will not be introducing any new radioactive material to the facility. Because the cyclotron at VACT has not been operated since 2005, much of the radioactivity present at the time of shutdown will have decayed. Consequently, any Table 4-1 radionuclides (from the attached Equipment Removal Plan) characterized by a half-life of less than three years are considered to have had time to decay to negligible concentrations. Ag-108m is produced when silver-solders are activated, so it is not expected to be detected except in trace quantities in certain cyclotron internals. Eu-155 will not be present except at trace quantities relative to Eu-152 and Eu-154. Thus, the concise list of long-lived activation products considered by the Plan includes only Co-60, Eu-152, Eu-154, and tritium. The expected activities of these radionuclides are expected to be only a few millicuries and potentially much less.

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- (2) **Specification of Site Location:**
  - VA Connecticut Medical Center is located at 950 Campbell Avenue, West Haven, CT 06516.
- (3) **Description of project activities including waste management and disposition:**
  - Ameriphsysics will be performing removal of the RDS-112 cyclotron and associated components, packaging, manifesting, shipment of the resultant radioactive wastes, and performance of post removal surveys. Since this cyclotron has been shut down since 2005 and was minimally used, remediation of any for the surrounding building surfaces is not anticipated at this time.
- (4) **Estimated project start date and duration:**
  - Estimated start date is 5/12/2020 with an expected duration of 2-3 weeks. The project is currently planned for two weeks. However, any delays might cause it to take three weeks.
- (5) **Identification of, and information on how to contact, key project personnel:**
  - Ameriphsysics Radiation Safety Officer – Timothy J. Pratt
    - Cell Phone – (865) 386-8066
    - Office Phone – (865) 470-4171
    - Email – [tpratt@ameriphysics.com](mailto:tpratt@ameriphysics.com)
  - Ameriphsysics President/ Project Manager – Tom Hansen Jr.
    - Cell Phone – (865) 228-1997
    - Office Phone – (800) 563-7497
    - Email – [tom@ameriphysics.com](mailto:tom@ameriphysics.com)
  - VACT RSO– Agnes Barlow
    - Office Phone – (203) 932-5711 X 3604
    - Cell Phone – (203) 843-7382
    - Email – [Agnes.Barlow@va.gov](mailto:Agnes.Barlow@va.gov)

If you have any questions regarding this notification, please feel free in contacting me at your convenience.

Regards,



Timothy J. Pratt  
Ameriphysics, LLC  
Radiation Safety Officer