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May 3, 2016

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.1 in St. Louis, MO*

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. 03038862

AmeriPhysics, LLC (AmeriPhysics) has been contracted to perform concrete core sampling and subsequent decommissioning of the Cardinal Health cyclotron and shield vault located at 10718 Trenton Ave., St. Louis, MO 63132. These work activities will commence in two phases:

- The first phase will consist of concrete core sampling with a start date of May 18, 2016 and be completed no later than May 20, 2016.
- The second phase will consist of removal of the cyclotron and associated components, decommissioning of the vault system, and final status survey of the cyclotron facility. Start and completion date has yet to be set for phase two.

This request is for the work associated specifically to Phase 1 of the work scope. Prior to the commencement of Phase 2, AmeriPhysics will notify the NRC Regional Administrator, U.S. Nuclear Regulatory Commission, at the Region 1 Office with at least 14 day notice.

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. We will be taking concrete core samples from walls, floor and ceiling that have become activated due normal operations of the cyclotron facility. These samples will be shipped to an appropriately licensed laboratory for radiological analysis.
- (2) **Specification of Site Location:**
  - Cardinal Health – St. Louis, MO facility is located at 10718 Trenton Ave., St. Louis, MO 63132.

AMERIPHYSICS, LLC • 800.563.7497 • 865.470.4179 FAX  
9111 CROSS PARK DRIVE, SUITE D200, KNOXVILLE, TN 37923  
WWW.AMERIPHYSICS.COM

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NRC/RGN1 MATERIALS-002

- (3) **Description of project activities including waste management and disposition:**
  - Ameriphysics will be taking concrete core samples from walls, floor and ceiling that have become activated due normal operations of the cyclotron facility. These samples will be shipped to an appropriately licensed laboratory for radiological analysis. Waste material generated consists of slurry (water and concrete cuttings). This material will be containerized in small drums (containers) and dispositioned during decommissioning activities.
  
- (4) **Estimated project start date and duration:**
  - Estimated start date is 5/18/2016 with a expected duration of three days.
  
- (5) **Identification of, and information on how to contact, key project personnel:**
  - Ameriphysics Radiation Safety Officer – Elizabeth Gillenwalters
    - Cell Phone – (865) 236-1335
    - Office Phone – (865) 470-4177
    - Email – [elizabeth@ameriphysics.com](mailto:elizabeth@ameriphysics.com)
  
  - Ameriphysics VP of Radiological Programs – Chris Brandjes
    - Cell Phone – (865) 806-4168
    - Email – [cbrandjes@ameriphysics.com](mailto:cbrandjes@ameriphysics.com)
  
  - Cardinal Health AU Contact – Ken Moore
    - Phone – (636) 439-0283
    - Email – [ken.moore@cardinalhealth.com](mailto:ken.moore@cardinalhealth.com)

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

Regards,



Christopher Brandjes  
Ameriphysics, LLC  
VP Radiological Programs



ACKNOWLEDGEMENT - RECEIPT OF CORRESPONDENCE

Name and Address of Applicant and/or Licensee  Elizabeth Gillenwalters Corporate Radiation Safety Officer Ameriphysics, LLC 9111 Cross Park Drive Suite D200 Knoxville, TN 37923	Date
	May 20, 2016
	License Number(s)
	41-35264-01
	Mail Control Number(s)
590917	
Licensing and/or Technical Reviewer or Branch	
Laurie Kauffman	

This is to acknowledge receipt of your:  Letter and/or  Application Dated: 5/3/16

The initial processing, which included an administrative review, has been performed.  Notification  
 Amendment  Termination  New License  Renewal  F.A.

There were no administrative omissions identified during our initial review.

This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

Your application for a new NRC license did not include your taxpayer identification number. Please complete and submit NRC Form 531, Request for Taxpayer Identification Number, located at the following link: <http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>  
 Follow the instructions on the form for submission.

The following administrative omissions have been identified:

Your application has been assigned the above listed MAIL CONTROL NUMBER. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

Region I  
 U. S. Nuclear Regulatory Commission  
 Division of Nuclear Materials Safety  
 2100 Renaissance Boulevard, Suite 100  
 King of Prussia, PA 19406-2713  
 (610) 337-5260, (610) 337-5313,  
 (610) 337-5398, (610) 337-5513 or (610) 337-5239