



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
2100 RENAISSANCE BLVD.  
KING OF PRUSSIA, PA 19406-2713**

December 6, 2019

Glen P. Sullivan, Corporate Radiation  
Safety Officer  
Cardinal Health 414, LLC  
7000 Cardinal Place  
Dublin, OH 43017

**SUBJECT: CARDINAL HEALTH 414, LLC, LICENSE AMENDMENT, MAIL CONTROL NO.  
614053**

Dear Mr. Sullivan:

This refers to your license amendment request dated July 2, 2019. Please find enclosed Amendment No. 22 authorizing the change in Radiation Safety Officer and new authorized users.

The revised cost estimate and decommissioning funding plan (DFP) was submitted as Appendix D of the letter dated November 19, 2019. The cost estimate and the DFP are accepted. A separate financial assurance (FA) action will be opened by the NRC to complete the review of the updated FA when it is submitted, and the amendment of the license to cover the total activity expected when the second cyclotron is in operation. The increase in the authorized amount of radioactive materials listed on your license cannot be completed until the revised FA instrument is reviewed and accepted.

An environmental assessment for this action was not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please contact me at (610) 337-5040 or by electronic mail to [elizabeth.ullrich@nrc.gov](mailto:elizabeth.ullrich@nrc.gov) so that appropriate corrections or answers can be provided.

You will be periodically inspected by the NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action(s) against you. This could include issuance of a Notice of Violation, or Imposition of a Civil Penalty, or an Order Suspending, Modifying or Revoking Your License as specified in the NRC Enforcement Policy. The NRC Enforcement Policy is available at:  
<http://www.nrc.gov/reading-rm/doc-collections/enforcement/>.

An electronic version of the NRC's regulations is available on the NRC Web Site at: [www.nrc.gov](http://www.nrc.gov). Additional information regarding use of radioactive materials may be obtained on the NRC Web Site at: <http://www.nrc.gov/materials/miau/mat-toolkits.html>. This site also provides the link to the toolbox for updated information on the revised regulations for naturally-

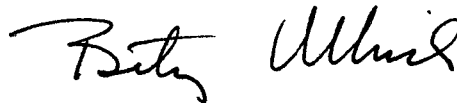
occurring and accelerator-produced radioactive materials (NARM).

The NRC's Safety Culture Policy Statement became effective in June 2011. While a policy statement and not a regulation, it sets forth the agency's *expectations* for individuals and organizations to establish and maintain a positive safety culture. You can access the policy statement and supporting material that may benefit your organization on NRC's safety culture Web Site at: <http://www.nrc.gov/about-nrc/safety-culture.html>. We strongly encourage you to review this material and adapt it to your particular needs in order to develop and maintain a positive safety culture as you engage in NRC-regulated activities.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS). ADAMS is accessible from the NRC Web Site at: <http://www.nrc.gov/reading-rm/adams.html>.

Thank you for your cooperation.

Sincerely,



Betsy Ullrich, Senior Health Physicist  
Commercial, Industrial, R&D  
and Academic Branch  
Division of Nuclear Materials Safety  
Region I

Docket No. 030-38331  
License No. 34-32780-02  
Mail Control No. 614053

Enclosure:  
Amendment No. 22

cc: Evan T. Western, CHP, Manager, Health Physics  
Arshad Mehmood, Manufacturing Radiation Safety Officer

CARDINAL HEALTH 414, LLC, LICENSE AMENDMENT, MAIL CONTROL NO. 614053  
DATED DECEMBER 6, 2019

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**SUNSI Review Complete:** Betsy Ullrich

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