

Cardinal Health  
Quality & Regulatory  
7000 Cardinal Place  
Dublin, OH 43017  
tel 614.757.4120  
fax 614.652.4598

[www.cardinalhealth.com](http://www.cardinalhealth.com)



February 13, 2019

U.S. Nuclear Regulatory Commission  
Region III – Division of Nuclear Materials Safety  
2443 Warrenville Rd, Suite 210  
Lisle, IL 60532-4352

Re: Amendment Request for Radioactive Materials License 34-32780-04MD, Cardinal Health  
Radium-223 Manufacturing Services, Indianapolis, IN.

Licensing:

Cardinal Health 414, LLC (Radium-223 Manufacturing Services, hereafter Cardinal Health) is responding to an email request asking for additional information regarding our request to add additional AU's.

Please see attached information concerning the training received in basic isotope handling techniques.

If you have any questions regarding this request, please contact me at 614.757.9586.

Sincerely,

Glenn Sullivan  
Corporate Radiation Safety Officer  
Director, Health Physics  
Nuclear & Precision Health Solutions

Encl: Training Documents

cc: Carra Roberts, RSO, Loc. 5889  
License File, Loc. 5889 (3)

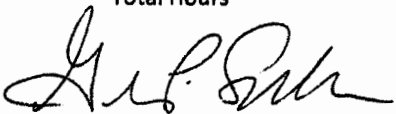
# **Authorized User Training Documents**

**Training Recived in Basic Radioisotope Handling Techniques**

**Name:** Stephen Borchelt

Location of Training	Dates	Course Title	Total Clock Hours	Radiation & Physics Instrumentation	Radation Protection	Math	Radialon Biology	Chemistry
Cardinal Health Indianapolis, IN	Nov-18	Cardinal Health Authorized User Program	200	85	58		25	32
						0		0

Total Hours                      200

Signature: 

Glenn Sullivan, Corporate Radiatin Safety Officer

Date: 12/11/18

# Training Received in Basic Radioisotope Handling Techniques

Name: Michael Stoner

Location of Training	Dates	Course Title	Clock Hours	Radiation & Physics Instrumentation	Radtation Protection	Math	Radiaion Biology	Chemistry	
Cardinal Health Dublin, OH	Oct-17	Cardinal Health Authorized User Education Program	200	85	58	25	32	0	
Total Hours			200	85	58	0	25	32	0

Signature:   
Glenn Sullivan, Corporate Radiation Safety Officer

Date: 11/1/17

# Training Received in Basic Radioisotope Handling Techniques

Name: Colin Hester

Location of Training	Dates	Course Title	Clock Hours	Radiation & Physics Instrumentation	Radation Protection	Math	Radiaion Biology	Chemistry	
Cardinal Health Dublin, OH	1/8/2018 - 2/20/2018	Cardinal Health Authorized User Education Program	200	85	58	25	32	0	
Total Hours			200	85	58	0	25	32	0

Signature:



Glenn Sullivan, Corporate Radiation Safety Officer

Date:

2/28/18

**Training Received in Basic Radioisotope Handling Techniques**

**Name:** Amber Hughes

Location of Training	Dates	Course Title	Clock Hours	Radiation & Physics Instrumentation	Radation Protection	Math	Radiation Biology	Chemistry	
Cardinal Health Dublin, OH	1/8/2018 - 2/20/2018	Cardinal Health Authorized User Education Program	200	85	58	25	32	0	
Total Hours			200	85	58	0	25	32	0

Signature:



Glenn Sullivan, Corporate Radiation Safety Officer

Date: 12/28/18

Training Recived in Basic Radioisotope Handling Techniques

Name: Kimberly Williams

Location of Training	Dates	Course Title	Total Clock Hours	Radiation & Physics Instrumentation	Radation Protection	Math	Radiaion Biology	Chemistry
Indiana State University, Terre Haute Indiana	1998 - 2003	Algebra I	12				12	
		Algebra II	12				12	
		Chem II	12				6	6
		Chem II	12				6	6
		Physics I	12				9	3
		Physics II	12		3		6	3
		Organic Chem I	12				6	6
		Organic Chem II	12				6	6
CAH Indianapolis, Indiana	2018	Authorized User Class	200	85	58		25	32
Total Hours			296	88	58		88	38
								24

Signature:



Glenn Sullivan, Corporate Radiation Safety Officer

Date: 12/25/18