

INTEGRATED MATERIALS PERFORMANCE EVALUATION PROGRAM  
QUESTIONNAIRE

**Ohio Agreement State Program**

**Reporting Period: March 2, 2019 – March 15, 2024**

Note: If there has been no change in the response to a specific question since the last IMPEP questionnaire, the State or Region may copy the previous answer, if appropriate.

**A. GENERAL**

1. Please prepare a summary of the status of the State's or Region's actions taken in response to each of the open recommendations from previous IMPEP reviews.

Not applicable. There were no recommendations made from the last IMPEP review.

**B. COMMON PERFORMANCE INDICATORS**

I. Technical Staffing and Training

2. Please provide the following organization charts, including names and positions:

- (a) A chart showing positions from the Governor down to the Radiation Control Program Director;

See attached.

- (b) A chart showing positions of the radiation control program, including management; and

See attached.

- (c) Equivalent charts for sealed source and device evaluation, low-level radioactive waste and uranium recovery programs, if applicable.

See attached for sealed source and device evaluation and low-level radioactive waste. Uranium recovery is not applicable.

3. Please provide a staffing plan, or complete a listing using the suggested format below, of the professional (technical) full-time equivalents (FTE) applied to the radioactive materials program by individual. Include the name, position, and, for Agreement States, the fraction of time spent in the following areas: administration, materials licensing & compliance, emergency response, low-level radioactive waste, uranium recovery, other. If these regulatory responsibilities are divided between offices, the table should be consolidated to include all personnel contributing to the radioactive materials program.

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<sup>1</sup>Estimated burden per response to comply with this voluntary collection request: 53 hours. Forward comments regarding burden estimate to the Records Management Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to the Paperwork Reduction Project (3150-0183), Office of Management and Budget, Washington, DC 20503. If an information collection does not display a currently valid OMB control number, NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

<b>Name</b>	<b>Position</b>	<b>Area of Effort</b>	<b>FTE%</b>
Gene Phillips	Bureau Chief	Administration	5
Mary Shaffer	Assist. Bureau Chief	Administration	5
Stephen James	Program Administrator	Agreement State/Radioactive Materials Licensing and Inspection	100
Vacant	Supervisor	Agreement State/Industrial Licensing & Inspection	100
Celeste Lipp	Senior HP	Agreement State/Industrial	100
Sangita Desai	Senior HP	Agreement State/Industrial	100
Patrick Becker	Senior HP	Agreement State/Industrial; SS&D	100
Courtney Shipley	Senior HP	Agreement State/Industrial	100
Michael Rubadue	Supervisor	Agreement State/Medical Licensing & Inspection; Decommissioning	100
Amy Cosner	Senior HP	Agreement State/Medical	100
Doug Cosner	Senior HP	Agreement State/Medical	100
Joshua Wagner	Senior HP	Agreement State/Medical	100
Perry Wagner	Senior HP	Agreement State/Medical	100
Jim Colleli	Senior HP	Agreement State/Decommissioning; LLRW	100
Kim Anderson	Senior HP	Agreement State/Decommissioning	100
Shannon Dettmer	Senior HP	Radiological Health & Safety; SS&D	15
Eric Denison	Senior HP	Radiological Health & Safety; Dosimetry	10
Jill Slubowski	Senior HP	Radiological Health & Safety; Instrumentation	10

If consultants were used to carry out the program's radioactive materials responsibilities, include their efforts. The table heading should be:

Name                      Position                      Area of Effort                      FTE%

Not applicable. No consultants were used.

4. Please provide a listing of all new professional personnel hired into your radioactive materials program since the last review, indicate the date of hire; the degree(s) they received, if applicable; additional training; and years of experience in health physics or other disciplines, as appropriate.

Perry Wagner	Senior Health Physicist	Position Date: October 2020  Degree: MBA - Healthcare Systems Management, 2019, The University of Toledo Bachelor of Science - Minor in Biology, 2016, The University of Findlay  Certified Nuclear Medicine Technologist, 2016  Experience: Senior Health Physicist, Agreement State Program, Medical Section  Medical Physicist Technician, The Ohio State University, Columbus, OH (June 2019 – October 2020)  Nuclear Medicine Technologist, St. Luke's Hospital, Maumee, OH (June 2016 – June 2019)
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Mary Shaffer	Assistant Bureau Chief	<p>Position Date: April 2023</p> <p>Degree: Master of Arts in Public Administration 2007 – The Ohio State University Bachelor of Education, Community Health 1992 – University of Toledo</p> <p>Registered Sanitarian 1993</p> <p>Experience: Assistant Bureau Chief, Bureau of Environmental Health and Radiation Protection. Responsible for oversight of the following programs – Residential Water &amp; Sewage, X-Ray Registration &amp; Licensing, Radiation Health &amp; Safety, Agreement State, Hazard Assessment Section, Ohio Wastewater Monitoring Network, Legionella Investigation Program</p> <p>Program Administrator for the Recreation, Engineering, and Community Health (REACH) programs (2008 – 2023).</p> <p>Also worked in the Childhood Lead Poisoning Prevention, School Environment, and Smokefree Ohio programs at ODH (2001-2008)</p> <p>Franklin County Health Department (1996-2001)</p> <p>Madison County Health Department (1993-1996)</p>
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5. Please list all professional staff who have not yet met the qualification requirements for a radioactive materials license reviewer or inspector. For each, list the courses or equivalent training/experience they need and a tentative schedule for completion of these requirements.

Perry Wagner – Application submitted for Security Class S-201 in August 2024.

6. Identify any changes to your qualification and training procedure that occurred during the review period.

No changes were made to the qualification and training procedure and is consistent with the USNRC.

7. Please identify the technical staff that left your radioactive materials program during the review period and indicate the date they left.

<u>Personnel Who Left Since Last Review</u>		
<u>Name</u>	<u>Position</u>	<u>Date Left ODH</u>
Charlene Graham	Senior Health Physicist	October 3, 2019

Dwain Bear	Senior Health Physicist	March 31, 2020
Rebecca Fugitt	Assistant Bureau Chief	October 31, 2022
Michael Snee	Program Administrator	July 31, 2023

8. List any vacant positions in your radioactive materials program, the length of time each position has been vacant, and a brief summary of efforts to fill the vacancy.

HP Supervisor, Industrial – vacant since December 17, 2023. Personnel Action Request submitted to have position posted.

9. For Agreement States, does your program have an oversight board or committee which provides direction to the program and is composed of licensees and/or members of the public? If so, please describe the procedures used to avoid any potential conflict of interest.

The Radiation Advisory Council (RAC) consists of members who meet the criteria outlined in Section 3748.20 of the Ohio Revised Code. The members of the RAC are appointed by the Governor. The duties of the RAC include advising and consulting with the department on the development of rules and the administration, implementation, and enforcement of these rules. The RAC also provides advice and counsel on the development of inspection criteria, procedures, and guidelines to be used in the radiation control program.

II. Status of Materials Inspection Program

10. Please identify individual licensees or categories of licensees the State is inspecting less frequently than called for in NRC’s Inspection Manual Chapter (IMC) 2800 and explain the reason for the difference. The list only needs to include the following information: license category or licensee name and license number, your inspection interval, and rationale for the difference.

All individual licensees and categories of licensees are inspected at least as frequently as called for in NRC’s IMC 2800.

11. Please provide the number of routine inspections of Priority 1, 2, and 3 licensees, as defined in IMC 2800 and the number of initial inspections that were completed during each year of the review period.

<b>Medical Section</b>				
	<b>Priority 1</b>	<b>Priority 2</b>	<b>Priority 3</b>	<b>Initial</b>
2019	0	18	40	4
2020	0	13	31	1
2021	0	26	30	1
2022	0	21	25	2
2023	0	18	40	4

Industrial Section				
	Priority 1	Priority 2	Priority 3	Initial
2019	22	8	3	3
2020	16	4	1	12
2021	16	5	1	12
2022	23	3	3	2
2023	22	8	3	3

12. Please submit a table, or a computer printout, that identifies inspections of Priority 1, 2, and 3 licensees and initial inspections that were conducted overdue.

At a minimum, the list should include the following information for each inspection that was conducted overdue during the review period:

- (1) Licensee Name
- (2) License Number
- (3) Priority (IMC 2800)
- (4) Last inspection date or license issuance date, if initial inspection
- (5) Date Due
- (6) Date Performed
- (7) Amount of Time Overdue
- (8) Date inspection findings issued

Licensee Name	License Number	Pri	Last Inspect. Date	Due Date	Date Performed	Days Overdue	Date Findings Issued
New Green Legacy Services, Inc.	03219650000	3	6/8/16	6/8/19	6/15/20	7	7/13/20

13. Please submit a table or computer printout that identifies any Priority 1, 2, and 3 licensees and initial inspections that are currently overdue, per IMC 2800. At a minimum, the list should include the same information for each overdue inspection provided for Question 12 plus your action plan for completing the inspection. Also include your plan for completing the overdue inspections.

There are no Priority 1, 2, and 3 licensees or initial inspections overdue.

14. Please provide the number of reciprocity licensees that were candidates for inspection per year as described in IMC 2800 and indicate the number of reciprocity inspections of candidate licensees that were completed each year during the review period.

Year	Total Reciprocities Authorized	Priority 1/2/3 Reciprocities in Ohio	Priority 1/2/3 Candidates	Priority 1/2/3 Inspected	Percentage of Candidates Inspected
2019	77	21	18	3	16.7
2020	71	21	19	8	42.1
2021	74	24	22	6	27.3
2022	74	20	17	6	35.3
2023	82	22	19	6	31.6

III. Technical Quality of Inspections

15. What, if any, changes were made to your written inspection procedures during the reporting period?

Inspection procedures and intervals are consistent with the revised NRC Inspection Manual.

16. Prepare a table showing the number and types of supervisory accompaniments made during the review period. Include:

Inspector                      Supervisor                      License Category                      Date

(Note: The Agreement State Program Administrator determined that routine annual inspector accompaniments would be put on hold during the declared pandemic period of 3/11/20 – 5/11/23. Inspector sign-off and other special inspections were performed during this period.)

<b>Inspector</b>	<b>Supervisor</b>	<b>License category</b>	<b>Date</b>
Anderson, Kim	Rubadue	00004	6-18-19
Anderson, Kim	N/A	N/A	2020 - Pandemic
Anderson, Kim	N/A	N/A	2021 - Pandemic
Anderson, Kim	N/A	N/A	2022 - Pandemic
Anderson, Kim	Rubadue	03219	9/11/2023
Becker, Pat	James	02120 (Chap. 37)	2/7/19
Becker, Pat	N/A	N/A	2020 - Pandemic
Becker, Pat	N/A	N/A	2021 - Pandemic
Becker, Pat	James	03320	3/1/22
Becker, Pat	James	03214	2/28/23
Colleli, Jim	Rubadue	03219	10/15/19
Colleli, Jim	N/A	N/A	2020 - Pandemic
Colleli, Jim	N/A	N/A	2021 - Pandemic
Colleli, Jim	N/A	N/A	2022 - Pandemic
Colleli, Jim	Rubadue	N/A	N/A
Cosner, Amy	Rubadue	02240	12/19/18
Cosner, Amy	Rubadue	02120	8/26/19
Cosner, Amy	N/A	N/A	2020 - Pandemic
Cosner, Amy	N/A	N/A	2021 - Pandemic
Cosner, Amy	N/A	N/A	2022 - Pandemic
Cosner, Amy	Rubadue	02120	4/19/2023
Cosner, Doug	Rubadue	02201	9/15/19
Cosner, Doug	N/A	N/A	2020 - Pandemic
Cosner, Doug	N/A	N/A	2021 - Pandemic
Cosner, Doug	N/A	N/A	2022 - Pandemic
Cosner, Doug	Rubadue	02110	3/25/23
Desai, Sangita	James	03320	11/13/19
Desai, Sangita	N/A	N/A	2020 - Pandemic
Desai, Sangita	N/A	N/A	2021 - Pandemic
Desai, Sangita	N/A	N/A	2022 - Pandemic
Desai, Sangita	James	03610	10/12/23
Lipp, Celeste	James	01129	11/18/19
Lipp, Celeste	N/A	N/A	2020 - Pandemic
Lipp, Celeste	N/A	N/A	2021 - Pandemic
Lipp, Celeste	N/A	N/A	2022 - Pandemic
Lipp, Celeste	James	31210	10/13/23
Shiple, Courtney	James	01120	8/6/19
Shiple, Courtney	N/A	N/A	2020 - Pandemic
Shiple, Courtney	N/A	N/A	2021 - Pandemic

Inspector	Supervisor	License category	Date
Shipley, Courtney	N/A	N/A	2022 - Pandemic
Shipley, Courtney	James	01120	12/6/23
Wagner, Josh	Rubadue	02120	1/3/19
Wagner, Josh	Rubadue	03225	6/11/20
Wagner, Josh	Rubadue	02220	9/13/21
Wagner, Josh	N/A	N/A	2022 - Pandemic
Wagner, Josh	Rubadue	02110	3/25/23
Wagner, Perry	Rubadue	02201	4/28/21
Wagner, Perry	Rubadue	02120	9/13/21
Wagner, Perry	Rubadue	02500	2/15/22
Wagner, Perry	Rubadue	02120	4/19/23

17. Describe or provide an update on your instrumentation, methods of calibration, and laboratory capabilities. Are all instruments properly calibrated at the present time? Were there sufficient calibrated instruments available throughout the review period?

All instruments available for use are properly calibrated. The Bureau has maintained a sufficient number of calibrated instruments throughout the review period.

The instrumentation is calibrated annually, or as needed, by a NVLAP certified calibration facility.

The Bureau has access to the ODH laboratory facilities. The laboratory provides the Bureau with radiochemistry capabilities including gamma spectroscopy, alpha spectroscopy, beta and alpha counting systems, and liquid scintillation capabilities. The ODH laboratory maintains proficiency by processing nuclear power plant environmental samples on a weekly basis.

#### IV. Technical Quality of Licensing Actions

18. How many specific radioactive material licenses does your program regulate at this time?

Ohio regulates 495 specific licenses.

19. Please identify any major, unusual, or complex licenses which were issued, received a major amendment, were terminated, decommissioned, submitted a bankruptcy notification or renewed in this period.

##### Medical

Kettering Health Network – License #02110580000, Amendment 88, March 2020. Consolidating multiple Kettering Health licensees into one broad scope license.

Cleveland Clinic – License #02110180013, Amendments 52 and 53. July 2021 – June 2022. Addition of a second gamma knife and updating the physical presence requirements to be consistent with NRC guidance. Cleveland Clinic installed a second gamma knife which necessitated physical and procedural changes to meet Chapter 37 requirements. The operating consoles for both units were within 20 feet, or speaking distance, of one another. The close proximity of the operating consoles raised questions as to how the new NRC physical presence requirements were to be implemented.

Plexus Scientific Corporation – License #02513990000, Initial license, February 2023. A company from another country (Israel) contacted an American company to distribute a medical device undergoing FDA trials.

### Decommissioning

VEGA Americas – License #03214310002, October 2022. Full decommissioning and unrestricted release of a gauge manufacturing facility that had multiple past releases of radioactive materials.

Microbac Laboratories – License #03123850006, August 2021. Unrestricted release and termination of license. The licensee did not seek decommissioning plan or release criteria approval prior to decommissioning.

Fluke Biomedical – License #03211180000, May 2019. Unrestricted release of manufacturing and testing facility. The landlord wanted to sell the property before it was released for unrestricted use.

### Industrial

VEGA Americas – License # 03214310002, October 2021 to June, 2022. Licensee moved manufacturing operations from Cincinnati to larger, more modern facility in Mason. Move required licensing of temporary location to accommodate interim storage of finished product. Program also conducted a “pre-licensing inspection”, including security measures, of the newly constructed facility prior to licensure. Programs efforts allowed the licensee to move their operations with minimum disruption to their business.

Acuren Inspection Inc. ADBA TEI – License # 03320990006, December, 2021 to December, 2022. Licensee consolidated to locations in Dayton and Cincinnati to a new facility in West Chester. The move involved an interim transfer of materials from Cincinnati to Dayton. A “pre-licensing inspection”, including security measures, of the newly constructed facility was completed prior to licensure. Vault certifications were done over a period of months as vault construction was completed and necessary modifications were made.

20. Discuss any variances in licensing policies and procedures or exemptions from the regulations granted during the review period.

University of Cincinnati – license number 02110310010, amendment 44, issued July 6, 2022. Dose limit waiver for familiar adult caregivers.

Cleveland Clinic – license number 02110180013, amendment 53, issued June 24, 2022. Dose limit waiver for familiar adult caregivers and waiver for gamma stereotactic radiosurgery physical presence requirements.

Nationwide Children’s Hospitals – license number 02110250012, amendment 23, issued March 22, 2021. Dose limit waiver for familiar adult caregivers.

INEOS Pigments – license number 31201040006, amendment 15, issued November 25, 2019. Waiver to dispose TENORM material in a captive landfill.



21. What, if any, changes were made in your written licensing procedures (new procedures, updates, policy memoranda, etc.) during the reporting period?

No changes since last review.

22. Identify by licensee name and license number any renewal applications that have been pending for one year or more. Please indicate why these reviews have been delayed and describe your action plan to reduce the backlog.

No license renewals are pending for one year or more.

V. Technical Quality of Incident and Allegation Activities

23. For Agreement States, please provide a list of any reportable incidents not previously submitted to NRC (See Procedure SA-300, *Reporting Material Events*, for additional guidance, OMB clearance number 3150-0178). The list should be in the following format:

<u>Licensee Name</u>	<u>License #</u>	<u>Date of Incident/Report</u>	<u>Type of Incident</u>
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All reportable incidents have been submitted to the NRC.

24. Identify any changes to your procedures for responding to incidents and allegations that occurred during the period of this review.

No changes since last review.

C. **NON-COMMON PERFORMANCE INDICATORS**

I. Legislation, Regulations and Other Program Elements (formerly Compatibility Requirements)

25. Please list all currently effective legislation that affects the radiation control program. Denote any legislation that was enacted or amended during the review period.

Chapter 3748 of the Ohio Revised Code (overall legislation for the program)  
Chapter 3747 of the Ohio Revised Code (low-level radioactive waste act)  
Chapter 119 of the Ohio Revised Code (due process following license denial)

26. Are your regulations subject to a "Sunset" or equivalent law? If so, explain and include the next expiration date for your regulations.

Rules adopted pursuant to Chapter 119 (Ohio Administrative Procedures Act) are subject to review every five years and the agency adopting the rules must review and decide to continue the rule as it exists or modify it. There are eleven chapters of Ohio Administrative Code rules that pertain to radioactive material. The expiration date of each rule is based on the date that it was adopted. All rules in the eleven Ohio Administrative Code chapters are current.

27. Please review and verify that the information in the enclosed State Regulation Status (SRS) sheet is correct. For those regulations that have not been adopted by the State, explain why they were not adopted, and discuss actions being taken to adopt them. If legally binding requirements were used in lieu of regulations and they have not been reviewed by NRC for compatibility, please describe their use.

RATS ID -2023-1 “Miscellaneous Corrections” is under review by the Radiation Advisory Council’s Radioactive Materials Committee.

28. If you have not adopted all amendments within three years from the date of NRC rule promulgation, briefly describe your state’s procedures for amending regulations in order to maintain compatibility with the NRC, showing the normal length of time anticipated to complete each step.

All amendments have been adopted within three years from the date of NRC rule promulgation.

II. Sealed Source and Device (SS&D) Evaluation Program

29. Prepare a table listing new and amended (including transfers to inactive status) SS&D registrations of sources and devices issued during the review period. The table heading should be:

SS&D Registry Number	Manufacturer, Distributor or Custom User	Product Type or Use	Date Issued	Type of Action
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<b>Ohio SSD Actions - 1/1/2019 to 12/31/2023</b>					
<b>ID</b>	<b>Applicant</b>	<b>Device Registration #</b>	<b>Product Type or Use</b>	<b>Date Issued</b>	<b>Type of Action</b>
229	ABB, Inc	OH-0109-S-125-S	Beta Gas Source	5/15/23	Amendment
226	Fluke Electronics Corporation dba Fluke Biomedical	OH-1240-D-103-S	High Range Field Calibrator	4/26/23	Initial Registration
173	Hitachi Medical Systems, America	OH-1075-D-801-S	PET Transmission Correction source holder	1/10/19	Made OH-1075-D-101-S inactive
174	Hitachi Medical Systems, America	OH-1075-D-802-S	PET scanner source holder	1/10/19	Made OH-1075-D-102-S inactive
175	IRM Group Inc	OH-1033-D-801-B	Transmission Gauge	1/10/19	Made OH-1033-D-101-B inactive
169	Kanawha Scales & Systems, Inc.	OH-1272-D-102-B	Neutron Gauge	6/27/19	Initial Registration
232	Kanawha Scales & Systems, Inc.	OH-1272-D-102-B	Neutron Gauge	5/25/23	Amendment
178	Microspect Corporation	OH-1504-D-101-B	Basis Weight and Thickness Gauge	5/19/20	Initial Registration
196	Microspect Corporation	OH-1504-D-102-B	Basis Weight and Thickness Gauge	10/27/21	Initial Registration

### Ohio SSD Actions - 1/1/2019 to 12/31/2023

ID	Applicant	Device Registration #	Product Type or Use	Date Issued	Type of Action
176	NDC Technologies	OH-0471-D-102-B	Thickness Gauge	3/13/19	Amendment
161	NDC Technologies	OH-0471-D-104-B	Basis Weight and Thickness Gauge	5/6/19	Transfer from another state
165	NDC Technologies	OH-0471-D-108-B	Gauging System	6/20/19	Transfer from another state
177	NDC Technologies	OH-0471-D-102-B	Thickness Gauge	12/9/19	Amendment
179	NDC Technologies	OH-0471-D-104-B	Basis Weight and Thickness Gauge	4/21/20	Amendment - added a model that had been on a separate registration from a different state
228	NDC Technologies	OH-0471-D-104-B	Basis Weight and Thickness Gauge	2/15/23	Amendment
233	NDC Technologies	OH-0471-D-102-B	Thickness Gauge	5/25/23	Amendment
199	SenTek Corporation	OH-1189-D-101-B	Density/ Thickness Gauge	12/3/21	Amendment
182	VEGA Americas Corporation	OH-0522-S-104-S	Gamma Source	7/16/20	Amendment
212	VEGA Americas Corporation	OH-0522-S-104-S	Gamma Source	8/26/22	Amendment - updated distribution location
184	VEGA Americas Corporation	OH-0522-S-107-S	Gamma Source	7/16/20	Amendment
183	VEGA Americas Corporation	OH-0522-S-108-S	Gamma Source	7/16/20	Amendment
213	VEGA Americas Corporation	OH-0522-S-107-S	Gamma Source	8/25/22	Amendment - updated distribution location
192	VEGA Americas, Inc.	OH-0522-D-111-S	Level Gauge	10/14/20	Amendment
194	VEGA Americas, Inc.	OH-0522-D-111-S	Level Gauge	1/4/21	Amendment
197	VEGA Americas, Inc.	OH-0522-D-102-B	Density, Level & Weight Gauge	10/25/21	Amendment
200	VEGA Americas, Inc.	OH-0522-D-116-S	Gamma Gauge	3/18/22	Amendment
203	VEGA Americas, Inc.	OH-0522-D-111-S	Level Gauge	8/15/22	Amendment - updated distribution location
205	VEGA Americas, Inc.	OH-0522-D-116-S	Gamma Gauge	8/15/22	Amendment - updated distribution location
207	VEGA Americas, Inc.	OH-0522-D-120-B	Gamma Gauge	8/15/22	Amendment - updated distribution location
202	VEGA Americas, Inc.	OH-0522-D-102-B	Density, Level & Weight Gauge	8/18/22	Amendment - updated distribution location
214	VEGA Americas, Inc.	OH-0522-S-108-S	Gamma Source	8/25/22	Amendment - updated distribution location
215	VEGA Americas, Inc.	OH-0522-D-903-B	Source Housing	9/6/22	Made OH-0522-D-101-B inactive

### Ohio SSD Actions - 1/1/2019 to 12/31/2023

ID	Applicant	Device Registration #	Product Type or Use	Date Issued	Type of Action
219	VEGA Americas, Inc.	OH-0522-D-905-B	Density/Level gauge	9/23/22	Made OH-0522-D-114-B inactive
217	VEGA Americas, Inc.	OH-0522-S-109-S	Gamma Source	9/23/22	Amendment - updated distribution location
220	VEGA Americas, Inc.	OH-0522-S-119-S	Gamma Source	9/23/22	Amendment - updated distribution location
218	VEGA Americas, Inc.	OH-0522-S-908-S	Gamma Source	9/23/22	Made OH-0522-S-0105-S inactive
221	VEGA Americas, Inc.	OH-0522-D-904-B	Gamma gauge	9/26/22	Made OH-0522-D-110-B inactive
222	VEGA Americas, Inc.	OH-0522-D-906-B	Gamma Gauge Source Holder	10/25/22	Made OH-0522-D-115-B inactive
224	VEGA Americas, Inc.	OH-0522-D-907-B	Gamma gauge source housing	10/25/22	Made OH-0522-D-118-B inactive
227	VEGA Americas, Inc.	OH-0522-S-106-S	Gamma Source	2/15/23	Amendment
193	VEGA Americas, Inc.	OH-0522-D-117-S	Gamma Gauge	10/13/20	Amendment
191	VEGA Americas, Inc.	OH-0522-D-112-S	Level Gauge	10/30/20	Amendment
204	VEGA Americas, Inc.	OH-0522-D-112-S	Level Gauge	8/15/22	Amendment - updated distribution location
206	VEGA Americas, Inc.	OH-0522-D-117-S	Gamma Gauge	8/18/22	Amendment - updated distribution location
208	VEGA Americas, Inc.	OH-0522-D-121-S	Gamma Gauge	8/18/22	Amendment - updated distribution location
181	VEGA Americas, Inc.	OH-0522-D-122-S	Source Housing	6/19/20	Initial Registration
190	VEGA Americas, Inc.	OH-0522-D-122-S	Source Housing	8/4/20	Amendment
195	VEGA Americas, Inc.	OH-0522-D-123-B	Gamma Gauge	6/29/21	Initial Registration
198	VEGA Americas, Inc.	OH-0522-D-123-B	Gamma Gauge	12/3/21	Amendment
201	VEGA Americas, Inc.	OH-0522-D-123-B	Gamma Gauge	8/1/22	Amendment
209	VEGA Americas, Inc.	OH-0522-D-122-S	Source Housing	8/18/22	Amendment - updated distribution location
211	VEGA Americas, Inc.	OH-0522-D-123-B	Gamma Gauge	8/25/22	Amendment - updated distribution location
216	VEGA Americas, Inc.	OH-0522-S-103-S	Gamma Source	9/23/22	Amendment
225	VEGA Americas, Inc.	OH-0522-D-124-S	Density or Level Gauge	2/15/23	Initial Registration
230	VEGA Americas, Inc.	OH-0522-D-124-S	Density or Level Gauge	5/25/23	Amendment
223	Viewray Technologies, Inc.	OH-1346-D-801-S	Photon Emitting Teletherapy unit	10/12/22	Made OH-1346-D-101-S inactive

III. Please include information on the following questions in Section A, as they apply to the SS&D Program:

Technical Staffing and Training - Questions 2-9  
Technical Quality of Licensing Actions - Questions 18-22  
Technical Quality of Incident and Allegation Activities - Questions 23-24

Information is included in Section B "COMMON PERFORMANCE INDICATORS" regarding staffing, licensing and response to incidents as it relates to the Sealed Source and Device program.

IV. Low-level Radioactive Waste Disposal Program

Please include information on the following questions in Section A, as they apply to the Low-Level Radioactive Waste Disposal Program:

Technical Staffing and Training - Questions 2-9  
Status of Materials Inspection Program - Questions 10-14  
Technical Quality of Inspections - Questions 15-17  
Technical Quality of Licensing Actions - Questions 18-22  
Technical Quality of Incident and Allegation Activities - Questions 23-24

Information is included in Section B "COMMON PERFORMANCE INDICATORS" regarding staffing, licensing and response to incidents as it relates to the Low-Level Radioactive Waste Disposal program. Ohio is authorized pursuant to statute and rule to site and regulate a low-level radioactive waste disposal facility. At the present time no facility is being sited in Ohio and no disposal facility exists in the state. Ohio tracks and reports on the generation of low-level radioactive waste annually in Ohio.

V. Uranium Recovery Program

Please include information on the following questions in Section A, as they apply to the Uranium Recovery Program:

Technical Staffing and Training - Questions 2-9  
Status of Materials Inspection Program - Questions 10-14  
Technical Quality of Inspections - Questions 15-17  
Technical Quality of Licensing Actions - Questions 18-22  
Technical Quality of Incident and Allegation Activities - Questions 23-24

Information is included in Section B "COMMON PERFORMANCE INDICATORS" regarding staffing licensing and response to incidents as it relates to the Uranium Recovery program. Ohio is authorized pursuant to the agreement with NRC to license uranium mills. Ohio does not currently have any facilities that meet the definition of uranium mill.

## MATERIALS REQUESTED TO BE AVAILABLE FOR THE ON-SITE PORTION OF AN IMPEP REVIEW

Please have the following information available for use by the IMPEP review team when they arrive at your office:

- List of open license cases, with date of original request, and dates of follow-up actions.
- List of licenses terminated during review period.
- Copy of current log or other document used to track licensing actions.
- List of all licensing actions completed during the review period (sorted by license reviewer, if possible).
- Copy of current log or other document used to track inspections.
- List of all inspections completed during the review period (sorted by inspector, if possible).
- List of inspection frequencies by license type.
- List of all allegations occurring during the review period. Show whether the allegation is open or closed and whether it was referred by NRC.
- List of all licenses that your agency has imposed additional security requirements upon.

The Ohio Program will have this information available for use by the IMPEP review team upon arrival.

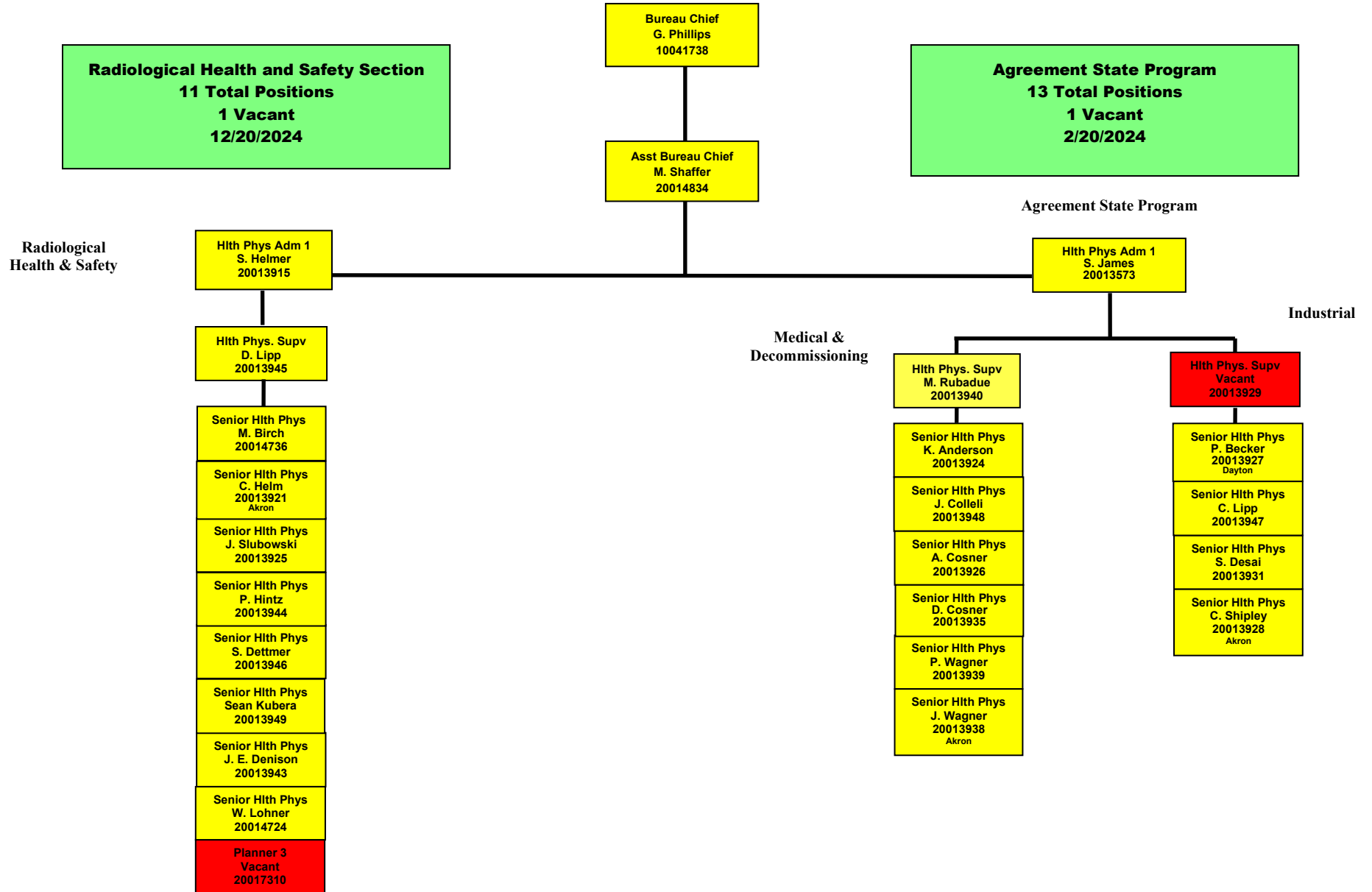
ALSO, PLEASE HAVE THE FOLLOWING DOCUMENTS AVAILABLE:

- All State regulations
- Statutes affecting the regulatory authority of the State program
- Standard license conditions
- Technical procedures for licensing, model licenses, review guides
- SS&D review procedures, guides, and standards
- Instrument calibration records
- Inspection procedures and guides
- Inspection report forms

The Ohio Program will have these documents available for use by the IMPEP review team upon arrival.

Question #2(b)

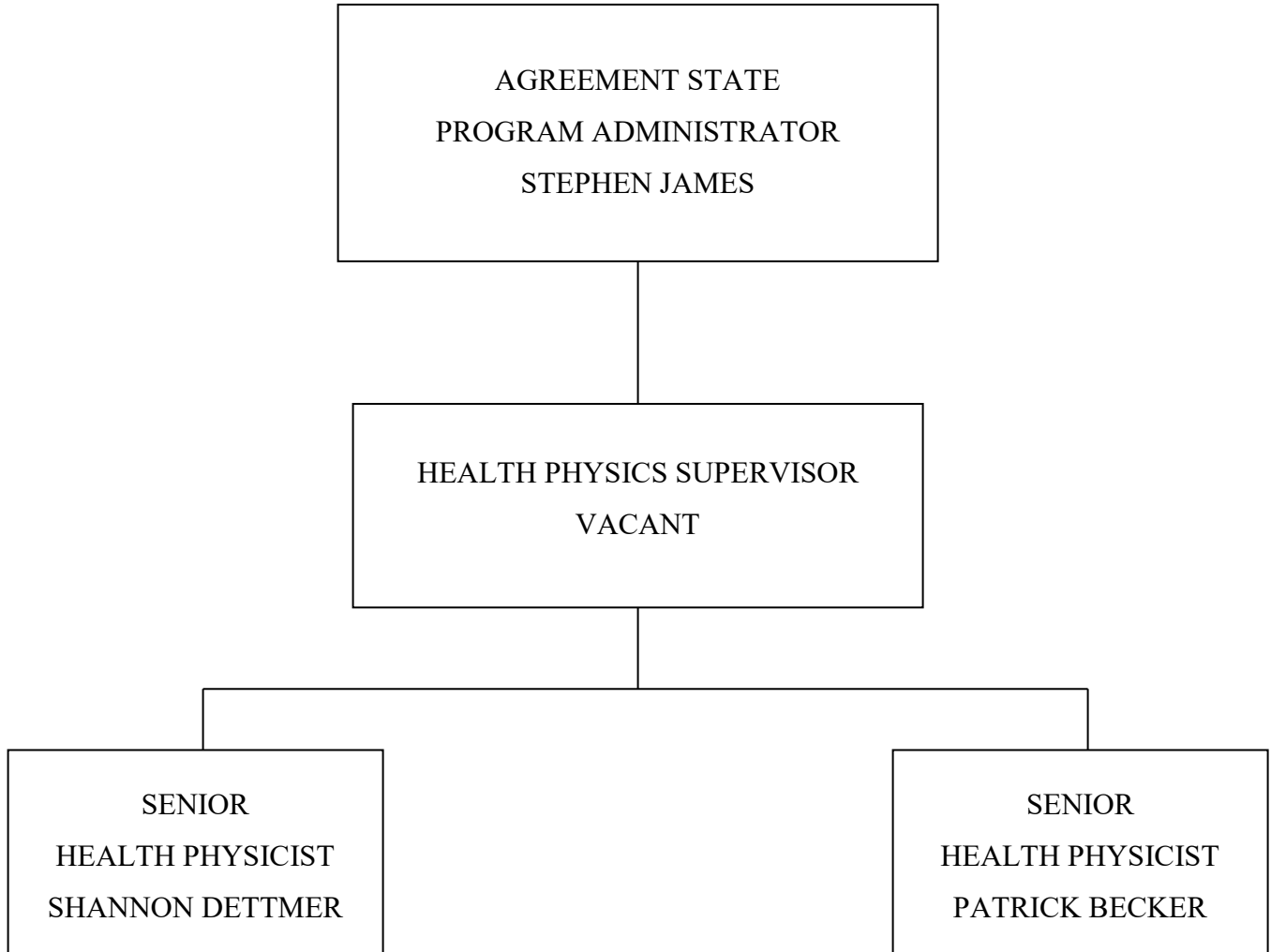
**Ohio Radiation Control Program**





Question #2(c) – SS&D

**SS&D REVIEWS – CHART**



**Question #2(c) - LLRW**

**LLRW – CHART**

