

NRC SPONSORED TRAINING for the NATIONAL MATERIALS PROGRAM (NMP)

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Agreement State Training

Innovation and Efficiency :
Training Delivery and
Test-Outs

Collaboration:
State Delivery
State Hosting
State Instructors

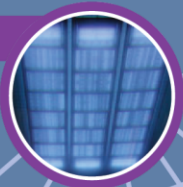
Enhancements:
New Courses
Course Updates

NMP Training



INDUSTRIAL/COMMERCIAL

- Industrial Radiography (H-305)
- Well Logging (H-314)
- Irradiator Technology (H-315)



URANIUM RECOVERY

- HP for Uranium Recovery (F-104)
- MILDOS-Area Workshop (H-413)



ENVIRONMENTAL

- Environmental Monitoring and Air Sampling for Radioactivity - Self-Study (H-130S)
- Environmental Monitoring and Air Sampling for Radioactivity Lab (H-130L)



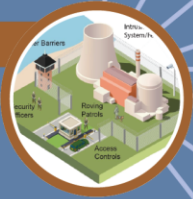
REGULATORY SKILLS

- Inspection Procedures (G-108)
- Licensing Procedures (G-109)
- Root Cause Workshop (G-205)



SECURITY

- Materials Control & Security (S-201)



MEDICAL

- Medical Uses of Radiation - Self-Study (H-317S)



HEALTH PHYSICS

- Introductory Health Physics - Self-Study (H-117S)
- Fundamental Health Physics - Self-Study (H-122S)
- Fundamental Health Physics Labs (H-122L)
- Advanced Health Physics (H-201)
- HP Statistics - Self-Study (H-301S)
- Internal Dosimetry - Self-Study (H-312S)



DECOMMISSIONING

- Characterization & Planning for Decommissioning - Self-Study (H-115S)
- MARSAME - Self-Study (H-120S)
- MARSSIM - Self-Study (H-121S)
- RESRAD Overview (H-408)
- Advanced RESRAD (H-412)
- Visual Sample Plan (H-500)



TRANSPORTATION

- Transportation of RAM - Self-Study (H-308S)

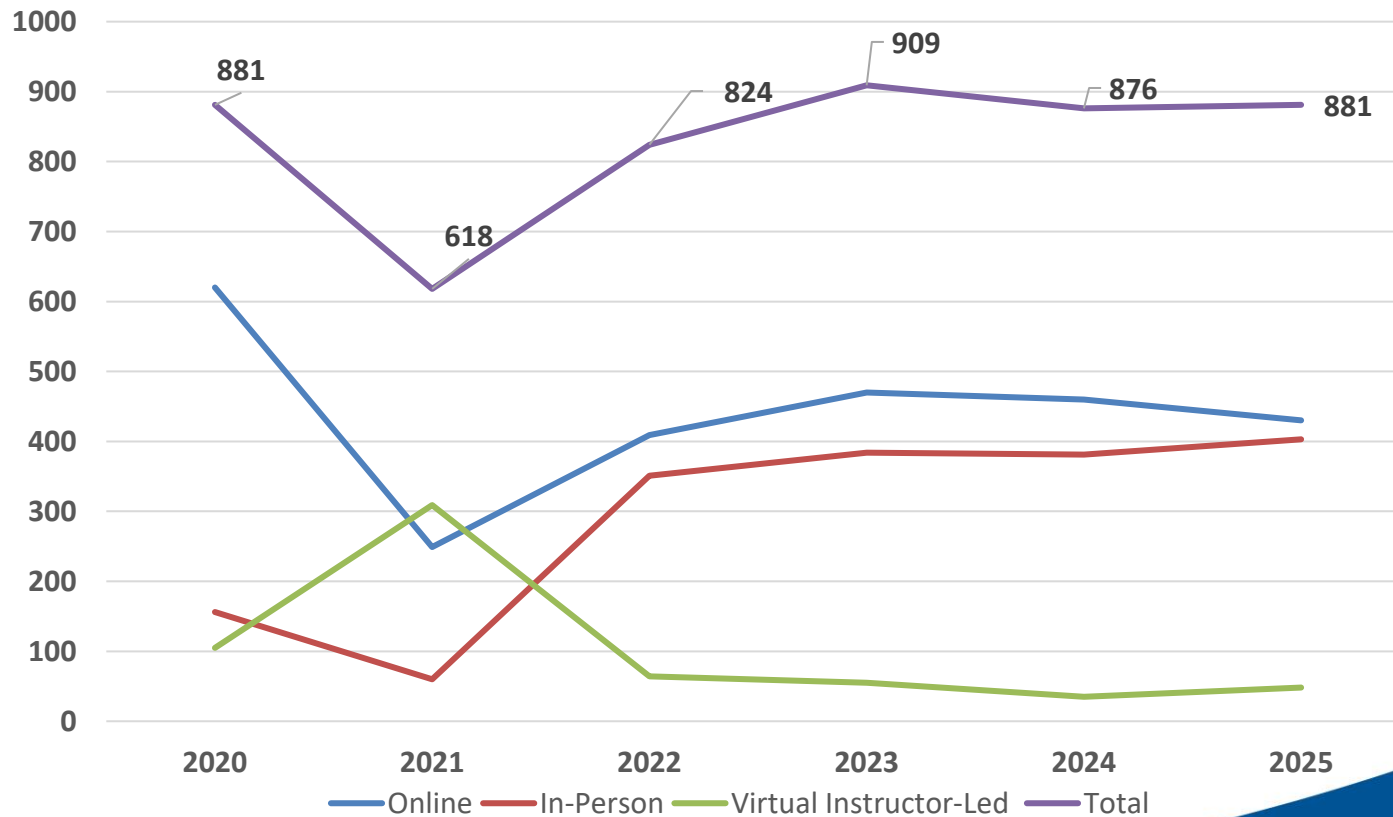


Training Delivery Modalities

- In-person – 48%
- Courses available online in the Collaborative Learning Environment (CLE) - 40%
- Virtual Instructor-Led (VILT) – 12%



Agreement State Attendance and Enrollments 2020 – July 2025



Agreement State Registration and Attendance FY 2025

Instructor-led course (in-person and virtual)

- 451 students
- Highest Demand
 - Regulatory Skills (Inspection, Licensing & Root Cause)
 - Industrial Radiography
 - Materials Security

Online Course in the CLE

- 430 student registrations
- Highest Demand
 - Introductory Health Physics & HP Fundamentals
 - Medical Uses of Radiation
 - Transportation of Radioactive Materials

Innovation and Efficiency: Course Test-Outs

- **New** feature for online courses in the CLE
- 12 NRC Sponsored training courses have test-out exams
- Increases training efficiency
- Reduces burden for experienced staff
- Record of course completion in Learning Management System
- Retain access to course materials for future reference



Fundamental Health Physics Self-Study Course (H-122S)

Course Introduction	Course Test-Out	Discussion Board	Math Review	Course Modules 1 - 17	...
Completion Certificate	Course References	Administration	Equation Glossary		

Training Resources: Collaborative Learning Environment (CLE)

Online Course Support

- Use Discussion Boards
- Contact instructor using email, message feature in the CLE, or by phone
- Radiation Protection Reference Library is available after completing the course
- Instructors can assist with course material questions, exam reviews, or general course support

Need help?



Henry Lynn  



Carmen Dykes  



Latonya Mahlahla



Training Resources

Instrumentation Videos

- HP Instrument Quality Assurance and Quality Control
- GM Pancake Detectors
- Size of Beam
- Sodium Iodide Detectors
- Introduction to Energy-Compensated Geiger-Mueller (ECGM) Detectors
- Liquid Scintillation Counting (LSC)

Training Videos

Just-in-time
Learning

Short videos to assist with understanding common HP instrumentation

[Available on Agreement State Training Website](#)



The pancake Geiger Mueller or GM detector

The NRC offers 12 instructor-led training courses to the Agreement States (AS) with all costs paid by the NRC. Alternatively, an AS can submit applications for 4 of those courses to either be *delivered* by an AS or be *hosted* by an AS.

STATE DELIVERY

Agreement State provides the venue *and* their own instructors to deliver NRC training course material

Attendees

- AS determines the number of seats per session
- AS controls the roster (i.e., all seats can be filled by the AS, or the AS can invite others to attend)

Instructors

- AS provides all instructors
- NRC can provide assistance for first session

Schedule

- AS schedules sessions at their own discretion

Costs

- AS covers all associated costs for their staff
- Others attending cover their own travel costs
- AS covers costs of printing manuals, etc.
- NRC provides course materials electronically
- NRC pays for shipment of training aids, as needed

STATE HOSTING

Agreement State provides the venue, but NRC provides the instructors to deliver an NRC course

Attendees

- NRC determines the number of seats per session
- NRC controls the roster
- Hosting AS must fill 25%, but $\leq 50\%$ of seats
- Other AS and NRC will fill remaining seats

Instructors

- NRC provides instructors

Schedule

- NRC schedules as NRC instructors are available
- Applications for Hosting must be submitted at the beginning of the FY (i.e., long lead time)

Costs

- NRC covers all travel costs for all attendees
- NRC covers costs of printing manuals, etc.
- NRC pays for shipment of manuals, etc.

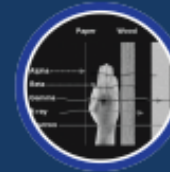
The following instructor-led training courses are available for either State Delivery or State Hosting:



HP for Uranium Recovery (F-104)*
*site tour required



Inspection Procedures (G-108)
Licensing Procedures (G-109)



Advanced Health Physics (H-201)

Collaboration: Hosting, State Delivery, and State Guest Instructors

- Three state-delivered sessions in FY 2025 (TN,FL)
- Three hosted sessions (NY, CA, & Wyoming)
- NJ Guest Instructor in September Inspection Procedures Course
- Train the “trainer” – opportunities for State to attend training as observers
- Qualified and experienced state instructors can participate as guest instructors for NRC Courses

Enhancements: New Courses in the CLE

- Developing new courses and expanding access to additional courses
- **New:**
 - H-311S, Respiratory Protection
 - H-202S, Radioactive Waste Management
 - H-124S, Implementing Subsurface Decommissioning Guidance
 - MIT Fusion Seminar

Access to additional courses:

- Reactor Concepts
- Power Plant Engineering
- Introduction to Emergency Preparedness

What's Planned in 2026?

G-109: Transitioning to Hybrid delivery

- Developed 10 online course modules (*complete*)
- Developing practical exercises for the classroom portion of the training.
- Will reduce in-person course time to two days at the TTC (online modules are required)

H-308: Transportation of Radioactive Materials

- Updating course with more examples and explanations
- Seminar planned for 2026

Fusion

- Fusion Training in 2026

Enhancements: Course Feedback

- We value your feedback!
- Complete course evaluations at the end of your course
- Evaluate comments to adjust course content and improve quality of training, if needed

Questions?

Contact information:

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