



**Department of State Health Services (DSHS)
Program Report to the Texas Radiation Advisory Board (TRAB)
Consumer Protection Division**

**April 25, 2025
Radiation Section**

Licensing and Registration Activities

License Type	Companies	Sites
X-Ray Registrations	18605	23157
Laser	4173	4990

Registration Completed Actions: December 2024 – February 2025				
	New	Renewal	Amendment	Termination
X-Ray	538	163	943	326
Laser	259	19	81	52
Total	2,381	797	1024	378

RAM Licensing actions: January 2025 – March 2025				
	New	Renewal	Amendment	Termination
General License Acknowledgment	4	0	11	1
RAM	11	32	314	12
Waste Shipper/Transporter	1	8	0	0
RAM Reciprocity	4	8	3	0
Sealed Source and Device	0	0	1	0
TOTAL	20	48	329	13

Industrial Radiographer Certification	
Application for Exam	397
Trainee Application	260
Renewal Application	162
Non-Texas Radiographer	177
TOTAL	996

Rulemaking

24R087 Radiation Safety Requirements for Mammography Machines

A revision of §289.230 Certification of Mammography Systems and Mammography Machines Used for Interventional Breast Radiography and repeal of §289.234 Mammography Accreditation. The revision of §289.230 is to be compatible with the amended FDA regulations at 21 CFR 900 Mammography Quality Standards Act (MQSA).

Progress:

- The draft was shared with TRAB in July 2024.
- The program requested TRAB to assign the review to a subject matter expert in the Medical Committee at that time.
- A Kick-Off meeting was held on 8/7/24.
- The draft rule public comment period was from 9/17/24 to 10/1/24.
- The public comment period for the proposed rule was from 3/7/25 to 4/7/25.
 - No comments were received
- SB 1084 – 89th Session (Regular)
 - SB 1084 requires the same language as the FDA revision to 21 CFR 900 with an additional requirement for the facility to provide a patient with a notice that states, "A report of your mammography results will be sent to you and your physician. You should contact your physician if you have any questions or concerns regarding this report."
 - This bill will likely be approved by legislation, so the program is adding this additional language to the proposed rule.
- The adopted rule is scheduled to be published in the 7/4/25 issue of the Texas Register and become effective 7/13/25.

25R021 Radiation Safety Requirements for Well Logging Service Operations and Tracer Studies

A revision of §289.253(cc)(2) and (4) to correct the reference to the records retention table at §289.253(ee). The NRC rule 10 CFR 39 requires certain records to be maintained at a field station (39.73) and a temporary job site (39.75). To make §289.253(cc) compatible with NRC, the list of required documents in the Texas rule was corrected.

Progress:

- A Kick-off meeting was held on 2/25/25 to schedule the rule project. The program decided to skip the public comment period for the draft version and proceed directly to the proposed rule public comment period.
- The proposed rule is scheduled to be published in the 7/25/25 issue of the Texas Register. The public comment period will be from 7/25/25 to 8/25/25.
- The rule will be presented to the HHSC Executive Council on 8/21/25.
- The effective date for this rule project is 11/27/25.

Inspection Data

Number of Inspections

	FY24 Q3 (3/1/24 - 5/31/24)		FY24 Q4 (6/1/24 - 8/31/24)	
	# Ins	# Insp with Violations	# Ins	# Insp with Violations
RAM	162	29 (16%)	129	20 (16%)
X-Ray	963	371 (38%)	918	382 (42%)
X-Ray Remote	133	68 (51%)	235	77 (33%)
Mammography	166	35 (21%)	147	26 (17%)
Laser	16	12 (75%)	42	36 (86%)
	FY25 Q1 (9/1/24 - 11/31/24)		FY25 Q2 (12/1/24 - 2/28/25)	
	# Ins	# Insp with Violations	# Ins	# Insp with Violations
RAM	166	27 (16%)	175	48 (27%)
X-Ray	887	358 (40%)	640	263 (41%)
X-Ray Remote	215	82 (32%)	381	163 (43%)
Mammography	187	29 (16%)	172	41 (24%)
Laser	12	9 (75%)	7	6 (86%)

Technical Staff Vacancies

Position	Location	Anticipated Fill Date	Notes
Mammography Inspector	Float	TBD	To be posted
X-ray/Mammography Inspector	Amarillo	TBD	To be reposted
X-ray Inspector	Austin	TBD	To be reposted
X-ray Inspector	Austin	TBD	Posted
X-ray Inspector	Beaumont/Houston	TBD	Delayed for training resources
X-Ray Inspector	Houston	TBD	Delayed for training resources
X-Ray Inspector	Houston	TBD	To be posted
X-Ray Inspector	Arlington	TBD	Posted
X-ray Inspector	Arlington	TBD	Posted
RAM Inspector	Arlington	March 2025	To be reposted (2)
RAM Inspector	Corpus Christi	March 2025	To be posted
RAM Inspector	Houston	March 2025	To be reposted
RAM Program Specialist	Austin	March 2025	Filled
Medical X-ray Reviewer	Austin	TBD	Posted
Medical X-ray Reviewer	Austin	TBD	To be posted

Industrial/Medical X-ray & Laser Reviewer	Austin	TBD	Posted
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Staff Training and Activities

- One RAM Inspector-in-training recently completed the NRC Industrial Radiography Course and was approved for independent inspections for this use type.
- Two RAM inspectors-in-training recently completed qualifications for being approved for independent inspections for selected use types.

Compliance Activities

January 2025 to March 2025:

- Orders: 157
- Administrative Penalties: \$ 262,881.00
- Revocations:
 - 17 X-ray registrations
 - 4 Laser registrations
 - 0 Radioactive Material licenses

Mammography Branch

- One vacancy for a full-time floating MQSA inspector.

Registration Branch

- Three vacancies for X-ray/Laser Registration Reviewers.

Emergency Response Activities

South Texas Project Nuclear Power Plant (STP)

- No exercises or drills involving state participation were held during the period of review.

Comanche Peak Nuclear Power Plant (CPNPP)

- The CPNPP dress rehearsal is scheduled for July 9, 2025, and the FEMA-graded exercise is scheduled for August 13, 2025. There will be a full radiation control team participating in both exercises.

Waste Isolation Pilot Plant (WIPP)

- WIPP will continue quarterly meetings and offer training and briefings.
- Local Briefings were conducted with representatives from Reeves, Ector, Martin, and Taylor counties.
- There have been three (3) WIPP shipments through Texas since the last report. There was a short pause in shipments at the beginning of 2025.
- The program is currently working on exchanges and calibrations of the survey instruments along the WIPP route (I-20).
- Since the last report, approximately 40 students attended the Compressed Modular Emergency Response Radiological Transportation Training (CMERRTT) course in Martin County, and approximately 25 students attended the Hospital training in Martin County
- WIPP Quarterly Meeting was on February 13, 2025, via Teams

Pantex/Agreement in Principle (AIP)

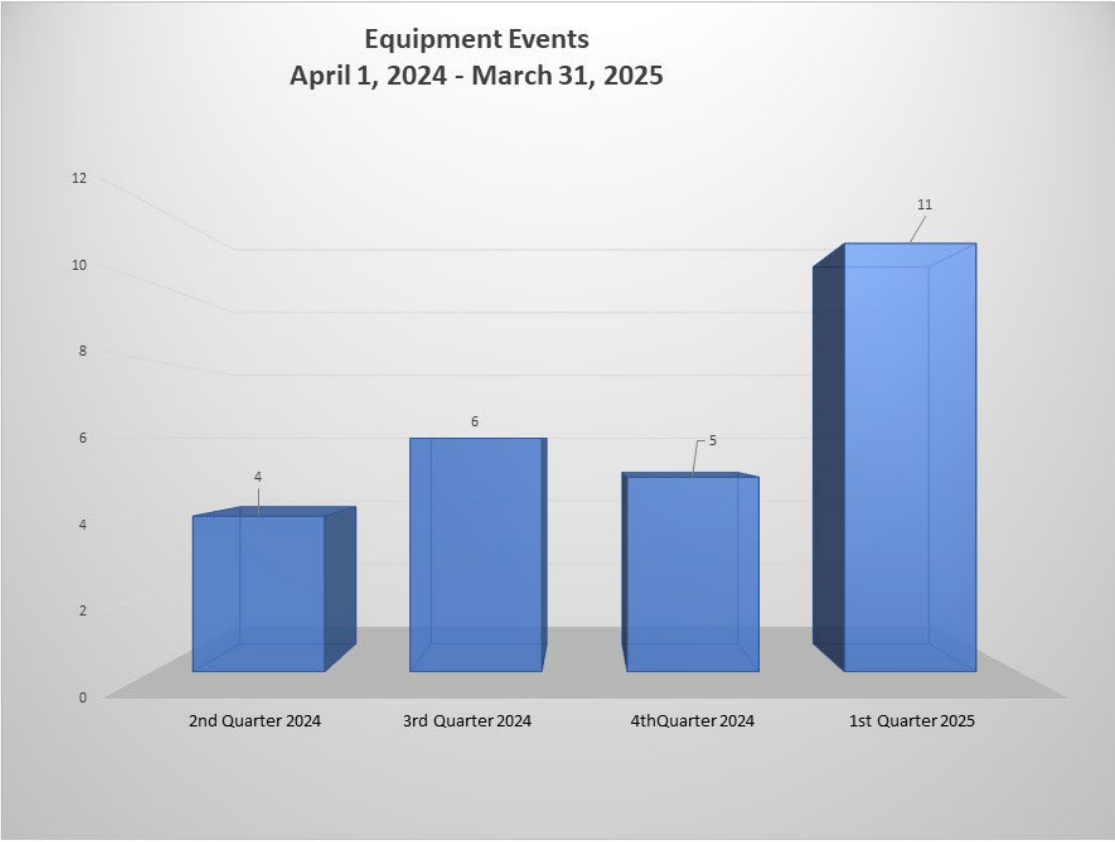
- Shay Christian and Tim Gibson attended the quarterly AIP meeting on January 8, 2025.
- Local AIP meetings were attended in February and March. No local meeting was held in January.
- Tim Gibson and Shay Christian performed radiation survey meter training on the Ludlum Model 3003. This was conducted in Austin for 12 Radiological Emergency Response Team members on March 18, 2025.
- Quarterly environmental sampling was performed on January 22, 2025. Soil/Sediment, vegetation, surface water, and drinking water were obtained and sent to the DSHS Lab for analysis. OSLs were exchanged at the sampling locations on and around the Pantex plant on January 22, 2024. The samples were sent to the DSHS Lab for analysis. These results are pending.
- Quarterly radio communication tests were performed on January 23, 2025, on the northeast quadrant of the 10-mile EPZ. Both radio and Zello communications were tested.
- Calibrations were performed by Amarillo DSHS personnel in January, February & March 2025. Instruments calibrated included 57 Canberra Model URAD, 5 Model 26-2, 4 Ludlum Model 3001, 2 Thermo RadEye SPRD.
- During January & February 2025, Shay Christian and Tim Gibson provided radiation training to 218 Amarillo Fire Fighters and 61 Amarillo Public Health and Environmental Health staff.
- Planning and preparations for the Pantex Full Participation Exercise in April 2025 are continuing.

Counterterrorism / Radiological WMD

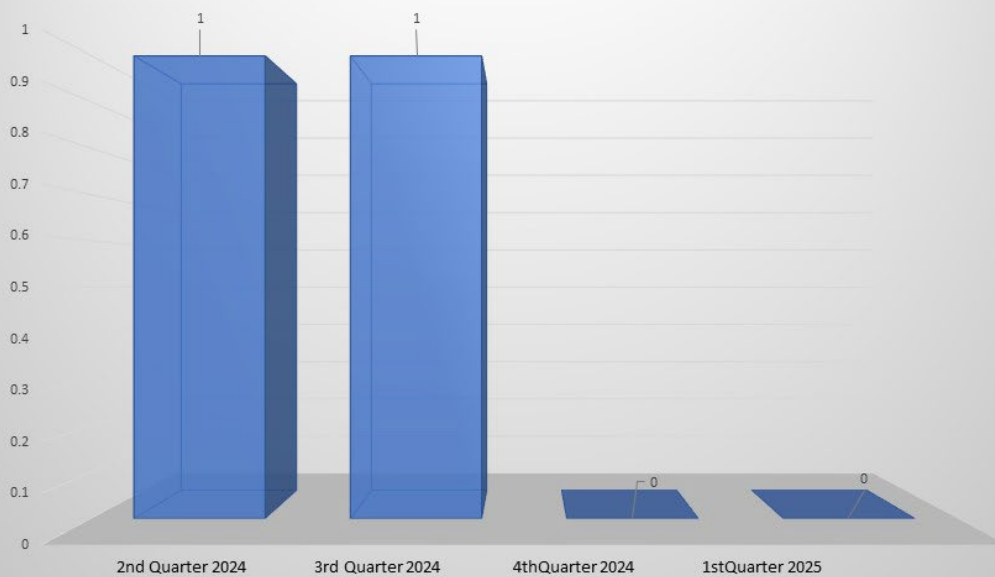
- Ongoing Federal, State, and Local Agencies preparedness planning for the World Cup 2026 Soccer Event. Dallas and Houston are the Host Cities for the scheduled matches in June-July 2026. Planning meetings to address Emergency Preparedness and Response for this major international event will be taking place beginning in October 2025. Clint Taylor will be attending these meetings as the representative for the DSHS Radiation Section.
- Members of the DSHS Radiological Emergency Response Team (RERT) supported as Evaluators/Observers for Operation Liberation - A Full-Scale Radiological Dispersal Device (RDD) Exercise with Midland Memorial Hospital on Thursday, April 3rd. The Exercise was intended to test response, detection, decontamination, and victim care.
- Members of the DSHS Radiological Emergency Response Team (RERT) will be participating in the Isotope Crossroads Tabletop Exercise (TTX) scheduled for May 13th in Fort Worth. This exercise is being planned and coordinated by the FBI Dallas Office and will involve the Dallas-Fort Worth area. Exercise focuses on the security of radiological material during commercial transport. The TTX is designed to promote information sharing, joint situational awareness, team building, and problem resolution in a crisis response situation. Participants include representatives from Federal, State, and Local law enforcement and emergency response agencies, public health organizations, transportation companies, and radiological material producing companies.
- The DSHS Radiation Section continues to monitor ACU's Nuclear Energy eXperimental Testing (NEXT) Lab Molten Salt Research Reactor (MSRR) program. The Nuclear Regulatory Commission (NRC) approved the construction permit for our Molten Salt Research Reactor (MSRR) on September 16, 2024. This is the first advanced liquid-fueled reactor approved in the US, and it will be installed on the ACU campus. The goal is to have the research reactor online in 2026.

Incident Investigations

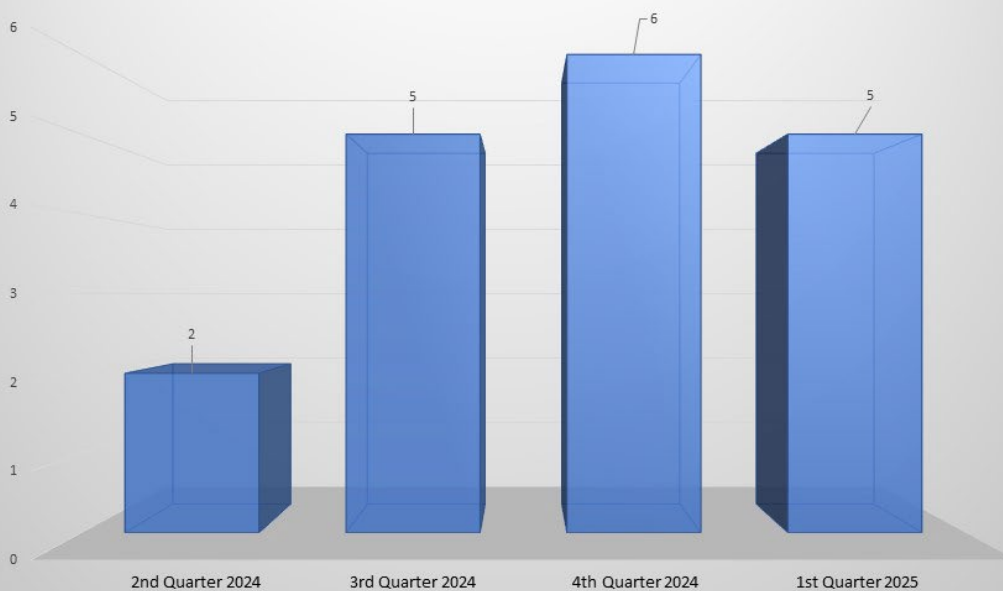
The graphs below reflect the numbers and categories of incidents received during this reporting period.

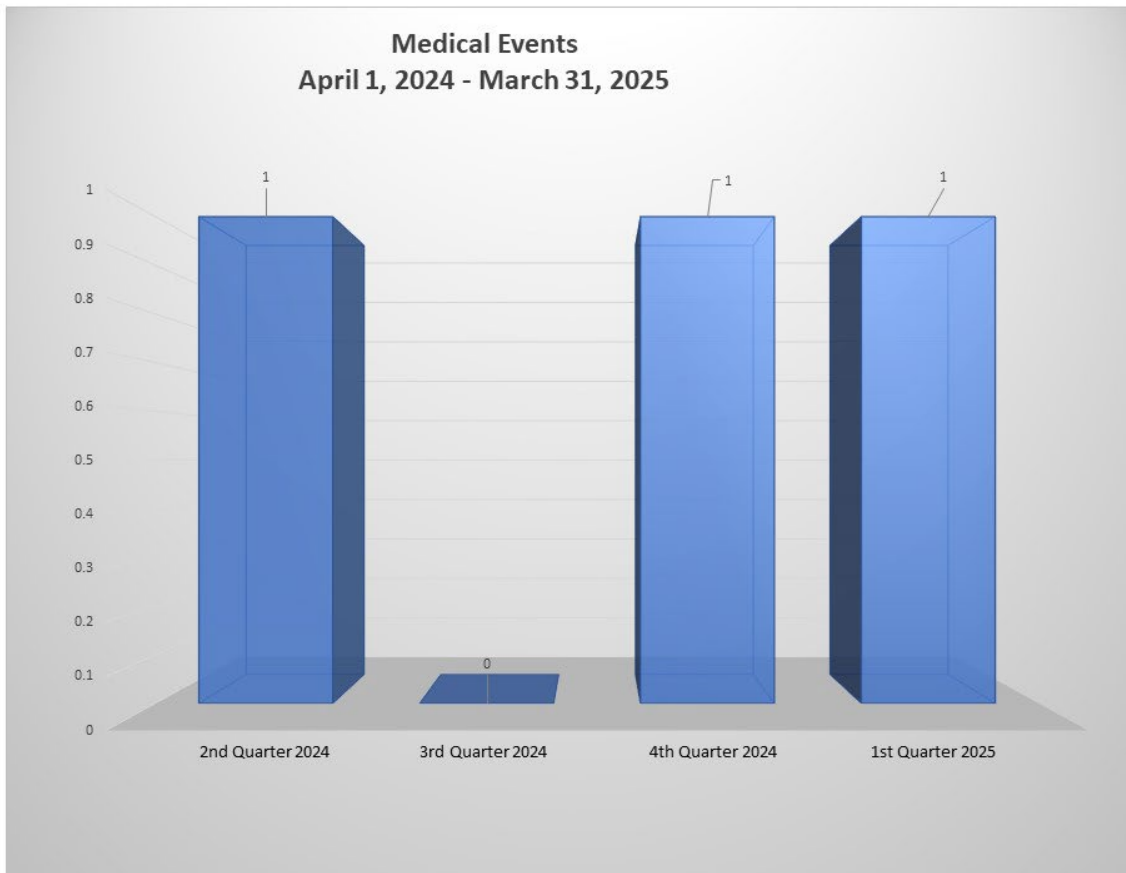


Exposure Events April 1, 2024 - March 31, 2025



Lost/Stolen/Missing Source Events April 1, 2024 - March 31, 2025





Medical Event Summaries:

On January 24, 2025, the Licensee notified the department of an incident involving the administration of 13.8 mCi of 18F Fluorodeoxyglucose (FDG) to the wrong patient. The licensee stated that two patients with identical first and last names were seated in the waiting room. Patient A was attending a follow-up consultation with his physician while Patient B was scheduled for a routine PET/CT examination. During the PET/CT appointment call by the technologist, Patient A mistakenly presented himself. The technologist introduced herself and explained the procedure. Patient A followed the technologist to the injection room, where she confirmed the patient’s details. After completing the injection, the technologist realized her error when Patient B inquired about his wait time. The patient was notified of the error, as well as the physician. According to the licensee, the technologist did not follow the facility’s established protocols for patient identification. The licensee stated that the effective dose received by the patient was low and posed no danger to the patient.

List of Acronyms

ACU	Abilene Christian University
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AIP	Agreement in Principle
CMERRTT	Compressed Modular Emergency Response Radiological Transportation Training
CPNPP	Comanche Peak Nuclear Power Plant
DSHS	Department of State Health Services
EPZ	Emergency Planning Zone
FEMA	Federal Emergency Management Agency
MQSA	Mammography Quality Standards Act
MSRR	Molten Salt Research Reactor
NEXT	Nuclear Energy eXperimental Testing Lab
NRC	Nuclear Regulatory Commission
OSL	Optically Stimulated Luminescence
PET/CT	Positron Emission Tomography-Computed Tomography
RAM	Radioactive Material
RDD	Radiological Dispersal Device
RERT	Radiological Emergency Response Team
STP	South Texas Project Nuclear Power Plant
TAC	Texas Administrative Code
TRAB	Texas Radiation Advisory Board
TTX	Isotope Crossroads Tabletop Exercise
URAD	Ultra Radiac
WIPP	Waste Isolation Pilot Plant