



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

**July 17, 2026
Radiation Section**

Licensing and Registration Activities

License Type	Companies	Sites
X-Ray Registrations	20,703	27,211
Laser	4,757	5,599
Mammography	649	649

Registration Completed Actions: March 2026 – May 2026				
	New	Renewal	Amendment	Termination
X-Ray	845	140	793	497
Laser	432	56	133	96
Mammography	8	54	140	7
Total	3,201	1,285	1,066	600

RAM Licensing actions: March 2026 – May 2026				
	New	Renewal	Amendment	Termination
General License Acknowledgment	2	0	6	0
RAM	7	35	262	12
Waste Shipper/Transporter	2	8	0	0
RAM Reciprocity	14	0	1	0
Sealed Source and Device	0	0	1	0
TOTAL	350	43	270	12

Industrial Radiographer Certification	
Application for Exam	281
Trainee Application	286
Renewal Application	82
Non-Texas Radiographer	68
TOTAL	717

Rulemaking

- **§289.130 Radiation Advisory Board**
 - Moves rule from §289.130 to §3.7.
 - This schedule for this project skipped the public comment period for the draft version.
 - The rule will be presented at the November Executive Council meeting.
 - The proposed rule is expected to be published in the October 23, 2026, issue of the Texas Register.
 - Effective date is expected to be March 2027.
- **§289.228 Radiation Safety Requirements for Industrial Radiation Machines**
 - The draft introduces requirements for whole-body security scanners used by detention facilities and removes the language for minimal-threat machine exemptions.
 - The rule will be presented at the November Executive Council meeting.
 - The public comment on the draft was from June 11, 2026, to June 23, 2026.
 - The proposed rule is expected to be published in the October 23, 2026, issue of the Texas Register.
 - The effective date of the rule is expected to be March 3, 2027.
 - Dr. William Pate and Sandra Ramirez were assigned as Subject Matter Experts for this project at the April 2026 TRAB meeting.
- **§289.229 Radiation Safety Requirements for Accelerators, Therapeutic Radiation Machines, Radiation Therapy Simulation Systems, and Electronic Brachytherapy Devices**
 - The definition for “Remote Operation” was revised to clarify that it applies to exposure to a patient and not to the interpretation of an image. §289.229 prohibits the remote operation of a therapy system.
 - A reference to a repealed rule was corrected. §289.229 was revised to reference TOC 602 for the Licensed Medical Physicist scope of practice.
 - This schedule for this project skipped the public comment period for the draft version.
 - The rule will be presented at the November Executive Council meeting.
 - The proposed rule is expected to be published in the October 23, 2026, issue of the Texas Register.
 - Effective date is expected to be March 3, 2027.
 - Dr. Mark Harvey and Sandra Ramirez were assigned as Subject Matter Experts for this project at the April 2026 TRAB meeting.
- **§289.256 Medical and Veterinary Use of Radioactive Material**
 - 256 is revised in response to a petition for rulemaking.
 - The petition requested a reduction in the training requirements for an Authorized User for veterinary use of radioactive material.
 - The revision reduces the number of hours required for training and experience to 80 hours for most authorized uses unless the required training for human use was less than 80 hours.
 - This project focuses on the petition request.
 - The draft comment period is expected to be from September 8, 2026, through September 21, 2026.
 - The proposed rule is expected to be published in the January 22, 2027,

issue of the Texas Register, starting the 31-day comment period.

- The rule will be presented at the February 2027 Executive Council meeting.
- The effective date of the rule is expected to be May 25, 2027.
- Licensees will be able to request an exemption from the current training requirements through the Radioactive Materials Licensing group until the proposed rule is final.
- We are requesting TRAB to assign Subject Matter Experts for this project.

Inspection Data

	FY25 Q4 (6/1/25 – 8/31/25)		FY26 Q1 (9/1/25 – 11/30/25)	
	# Ins	# Insp with Violations	# Ins	# Insp with Violations
RAM	114	19 (17%)	155	27 (17%)
X-Ray	746	267 (36%)	809	319 (39%)
X-Ray Remote	236	88 (37%)	218	90 (41%)
Mammography	146	22 (15%)	208	40 (19%)
Laser	12	11 (92%)	14	13 (93%)
	FY26 Q2 (12/1/2025 – 2/28/2026)		FY26 Q3 (3/1/2026 – 5/31/2026)	
	# Ins	# Insp with Violations	# Ins	# Insp with Violations
RAM	142	24 (17%)	122	19 (16%)
X-Ray	758	315 (42%)	1060	422 (40%)
X-Ray Remote	211	99 (47%)	287	140 (49%)
Mammography	160	31 (19%)	186	48 (26%)
Laser	19	14 (74%)	21	19 (90%)

Technical Staff Vacancies

Position	Location	Anticipated Fill Date	Notes
Mammography Inspector/Certification Reviewer	Tyler	TBD	To be posted
X-ray/Mammography Inspector	Amarillo	TBD	To be posted
X-ray Inspector	Austin	TBD	To be posted
X-Ray Inspector	Houston	TBD	Screening
X-Ray Inspector	Houston	TBD	Screening
X-Ray Inspector	Arlington	TBD	To be posted
Remote X-ray Inspector	Austin	TBD	To be posted
RAM Inspector	Arlington	6/1/2026	Filled
RAM Inspector	San Antonio	9/1/2026	Posted
RAM Inspector	Arlington	9/1/2026	To be posted

Health Physicist I (RAM Licensing)	Austin	7/1/2026	Filled
Health Physicist I (RAM Licensing)	Austin	TBD	To be posted
Health Physicist II (Industrial Radiographer Certification)	Austin	7/1/2026	Filled
Medical X-ray Reviewer	Austin	TBD	Interviewing
X-Ray QA Reviewer	Austin	7/1/2026	Filled
RAM Rule Coordinator	Austin	TBD	Interviewing

Staff Training and Activities

- Two Radiation Section managers participated in the River Bend Nuclear Power Plant Hostile Action exercise in Baton Rouge, LA, in June.
- Nine staff members attended the 2026 National Radiological Emergency Preparedness Conference from April 20-23, 2026, in Overland Park, KS.
- Five staff members attended the 58th National Conference on Radiation Control hosted by the Conference of Radiation Control Program Directors, Inc. (CRCPD) in Lombard, IL, May 18-21, 2026.
- Two members of the staff attended the National Transportation Stakeholders Forum from June 22-25, 2026, in Austin, TX.
- Six staff members attended the 2026 Texas Emergency Management Conference from May 26-29, 2026, in Fort Worth, TX.
- Two employees attended the REAC/TS Radiation Emergency Medicine course in June.
- One investigator attended the U.S. Nuclear Regulatory Commission's (NRC) Root Cause Workshop (G-205) to be held in Chattanooga, TN, on May 11-15, 2026.
- Two RAM License Reviewers attended the U.S. Nuclear Regulatory Commission's (NRC) Advanced Health Physics (H-201) to be held in Chattanooga, TN, on June 1-5, 2026.
- Radiation Control Program Leadership participated in the CDC Public Health Decision Making in a Radiation Emergency Course from June 9-11, 2026.

Compliance Activities

April 2026 to June 2026:

- Orders: 111
- Administrative Penalties: \$ 253,335.00
- Revocations:
 - 1 Radioactive Material license
 - 11 X-ray registrations
 - 1 Laser registration

Mammography Branch

- One vacancy for an MQSA inspector/certification reviewer

X-Ray Inspections

- Four vacancies for X-Ray Inspectors.
- One vacancy for a Remote X-Ray Inspector.

Registration Branch

- One vacancy for X-ray Registration Reviewers.

Operations Branch

- One vacancy for an X-ray QA Reviewer
- One vacancy for a RAM Rule Coordinator

Emergency Response Activities

South Texas Project Nuclear Power Plant (STP)

- On April 15, DSHS held the Initial Planning Meeting for the Hostile-Action-Based (HAB) exercise scheduled for October 21. Staff from STP, DSHS, Matagorda County, the Texas Division for Emergency Management (TDEM), and the Federal Emergency Management Agency (FEMA) attended.
- A FEMA-evaluated Medical Services Drill was held at Palacios Community Medical Center (PCMC) on May 19. STP, Matagorda County, and PCMC staff participated, and a DSHS representative observed.
- On May 20, STP held an Environmental Monitoring Drill during which field teams deployed to collect air, soil, water, and vegetation samples. One member of the Radiological Emergency Response Team (RERT) participated in the drill.

Comanche Peak Nuclear Power Plant (CPNPP)

- No off-site training and exercises were completed during this time.
- The CPNPP planner attended the National Radiological Emergency Preparedness (NREP) Conference in Kansas City, MO, in April.
- The CPNPP planner attended a Nuclear Regulatory Commission (NRC) regulatory conference in May. The conference was held to determine the NRC's findings for an incident at CPNPP.

Waste Isolation Pilot Plant (WIPP)

- Local briefings were conducted with representatives from Dawson and Gaines counties. This included a presentation at the commissioners' court.
- The WIPP program is currently working on exchanges and calibrations of survey instruments along the WIPP route (I-20).
- Since the last report, the WIPP Staff has completed two (2) training courses on the Compressed Modular Emergency Response Radiological Transportation Training (CMERRTT) course in Gaines and Dawson Counties. Thirty-seven (37) participants completed the CMERRTT course.
- The members of the WIPP team attended the TDEM conference from May 25-29, 2026, in Fort Worth, Texas. At this conference, the Radiation Control section conducted presentations on the use of instruments and types of transportation of radioactive materials across Texas.
- A Member of the WIPP Team conducted a 4-hour training titled "Hazardous Material Transportation Response - From Shipping Papers to Hot Zone Rescue" at the Conference of Radiation Control Program Directors (CRCPD) on May 18, 2026.

Pantex/Agreement in Principle (AIP)

- An AIP Tabletop Exercise on Contaminated Decedents was held on April 8, 2026. Twenty-six local officials attended.
- The Pantex quarterly environmental sampling was completed on April 15, 2026.
- Shay Christian attended NREP Conference April 20-23, 2026, and assisted in the Project STORRM presentation.
- Shay Christian participated in RSI surveys for the World Cup in Houston on April 29 and 30.
- A Hospital Radiation Response drill was held on May 11, 2026. 15 people participated in the training.
- The quarterly AIP meeting was held on May 13, 2026.
- Shay Christian attended the TDEM Conference from May 25-28, 2026, in Fort Worth, TX. As part of a team including Forrest Weston, Vanessa Danese, and Alexander Garza, she provided a training session on Basic Radiation and Survey Meter training, along with hands-on practice drills.
- Shay Christian provided training, along with Investigators Bruce Hammond and Sindiso Ncube, regarding equipment and processes for coverage and response during World Cup events on May 28, 2026. Ten radiation section staff members attended training.
- Shay Christian, Sindiso Ncube, and Art Tucker provided training from June 1-3 regarding World Cup coverage and response for Austin staff. Twenty-two radiation section staff members attended this training.
- Shay Christian provided World Cup training with Carley Cardwell for Houston staff on June 3. Twelve radiation staff members attended.
- Instrument calibrations were performed on 12 instruments in May – June 2026.
- Shay Christian covered the World Cup game in Arlington on June 17.
- Shay Christian is working with local members from TDEM and RAC to provide training in September and an exercise in November for local hospitals and the mortuary regarding a contaminated decedent.

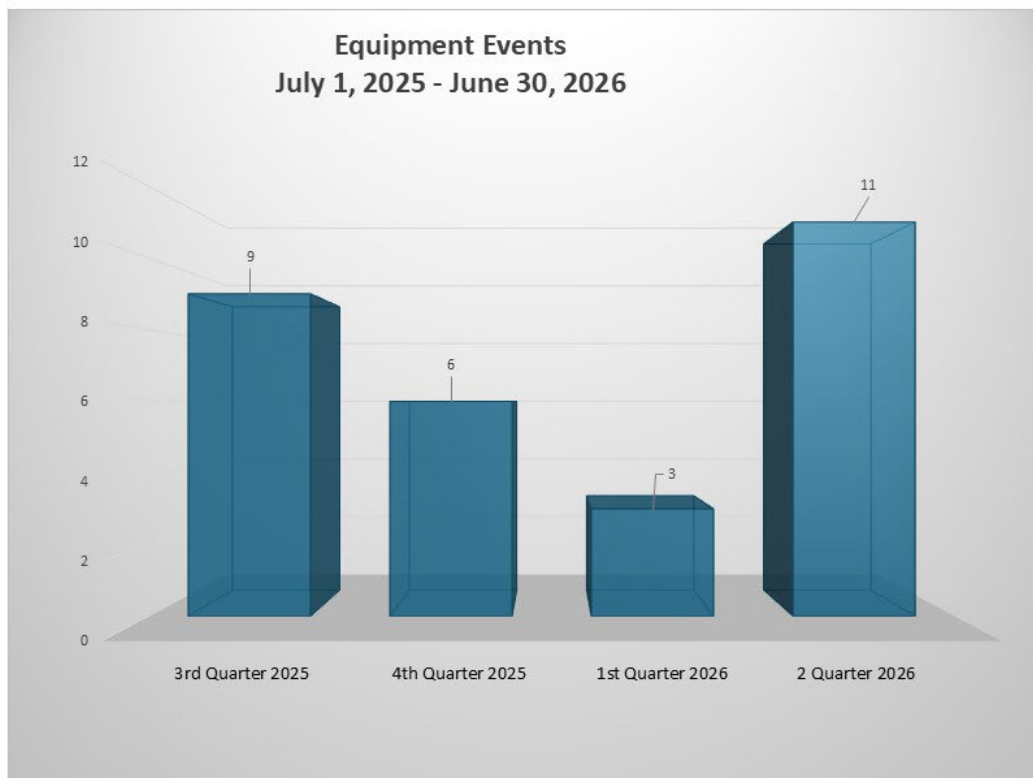
Counterterrorism / Radiological WMD

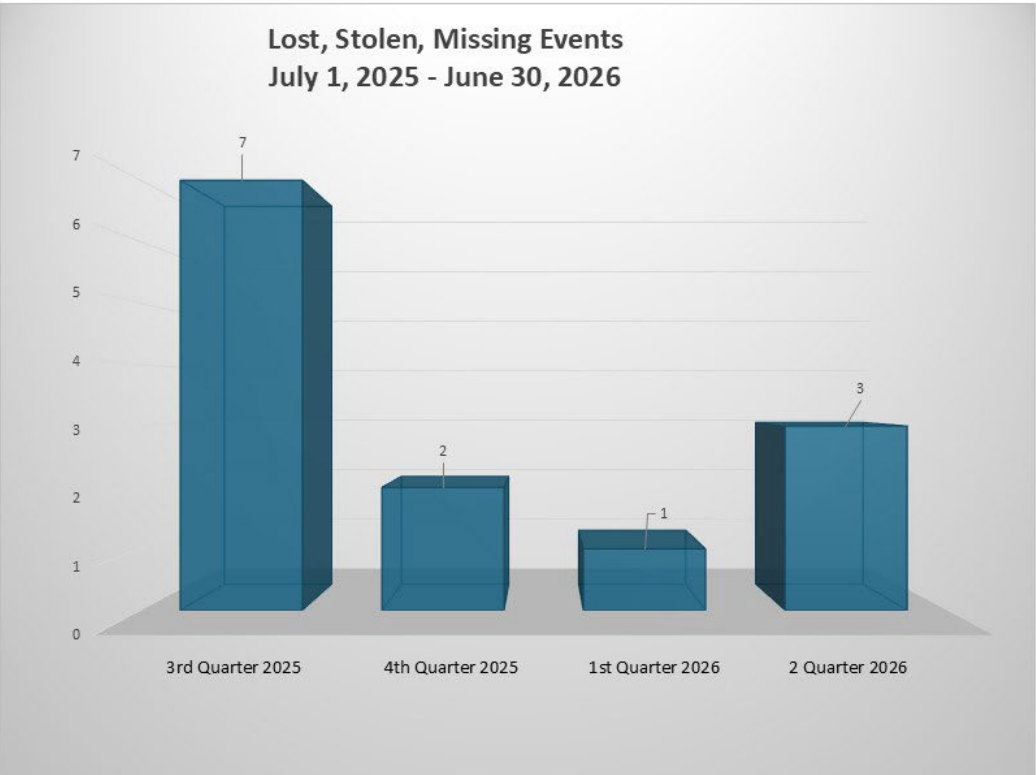
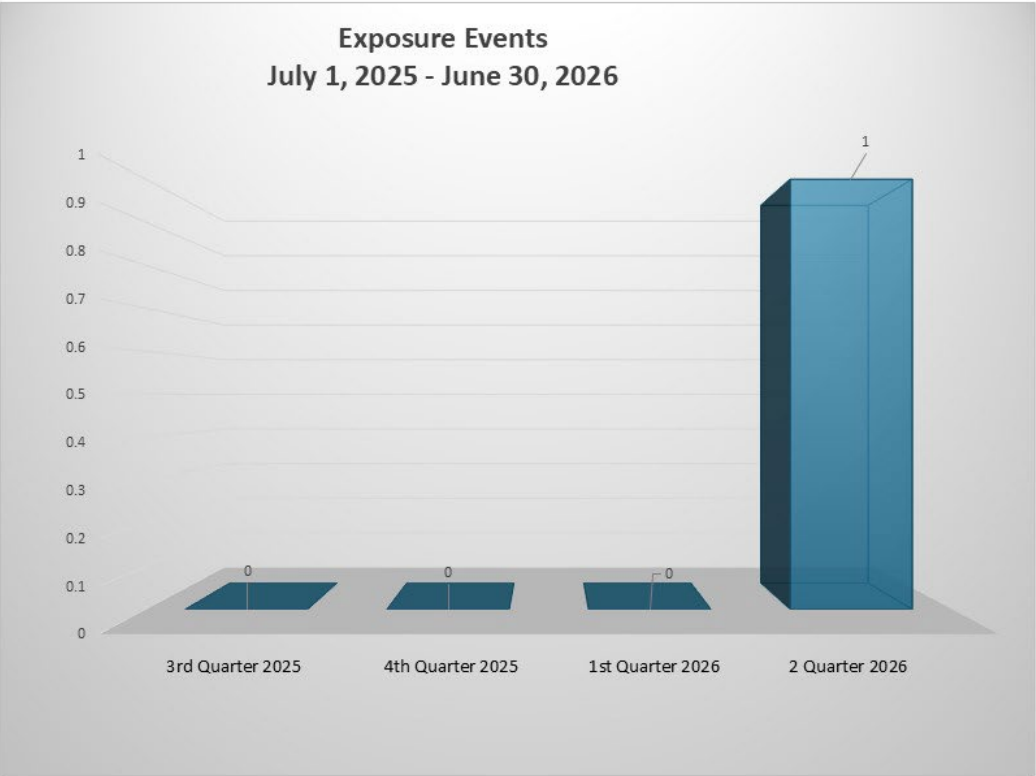
- The DSHS Radiation Section is involved in supporting emergency response planning for the 2026 World Cup Soccer Event. This included the Dallas-Arlington and Houston areas since they are designated as the Host Cities for the scheduled soccer matches in June-July 2026. DSHS Radiation Section conducted two Radiation Workshops to support regional emergency planning for the two World Cup areas. On March 19th, a workshop was conducted for Public Health Region 2/3 in the Dallas-Ft Worth area, and the second workshop was conducted on April 1st for Public Health Region 6/5S in the Houston area. Both workshops were attended by Regional and Local Public Health Emergency Preparedness Coordinators and City and County Emergency Management Coordinators. DSHS Radiation Section continues to work with federal, state, and local partners in planning efforts supporting a radiological emergency response if it occurs during the 2026 World Cup Soccer Event.
- The DSHS Radiological Emergency Response Team (RERT) participated in the all-day Federal Isotope Crossroads Tabletop Exercise (TTX) on March 4th, 2026, in El Paso. This Radiological Weapons of Mass Destruction (WMD) terrorist exercise involved local, state, and federal organizations that are involved in Radiological Emergency Response actions.

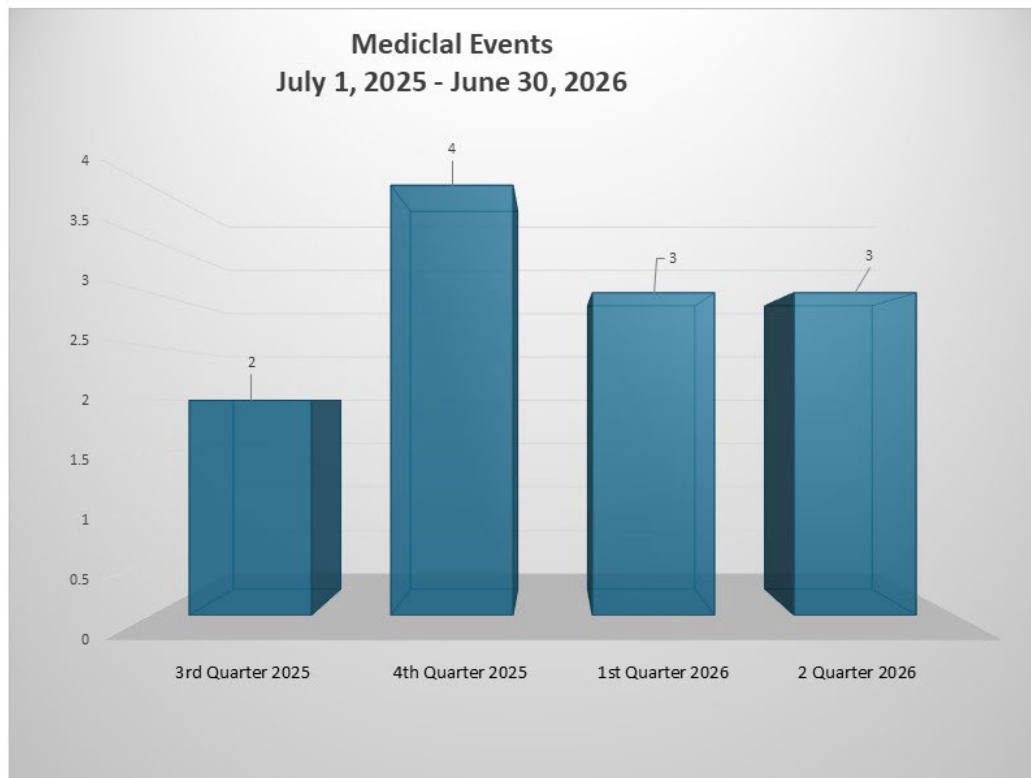
- The DSHS Radiation Section continues to monitor Houston's Securing the Cities (STC) Program. The STC Program seeks to reduce the risk of a successful deployment of a radiological/nuclear (R/N) terrorist weapon against a major metropolitan area in the United States by establishing a sustainable capability to detect, analyze, and report nuclear and other radioactive materials out of regulatory control within their jurisdictions. The STC grant is used to train and equip personnel to be proficient in the use of R/N detection equipment and guided by detection and response protocols. This program is now state-wide, working with the Texas Department of Public Safety, local law enforcement, and first responders to train and equip personnel on the Preventative Radiological/Nuclear Detection (PRND) issued equipment. Clint Taylor and Rae Walker monitor this program and participate in monthly meetings, scheduled training, and exercises.

Incident Investigations

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







Medical Event Summaries:

- On April 15, 2026, the Agency received a notification from the licensee regarding the misadministration of a radiopharmaceutical to a patient. The licensee stated that a female adult patient scheduled for a parathyroid scan using 25 millicuries (mCi) of Technetium-99 m Sestamibi was inadvertently administered 23 mCi of Tc-99m MDP. The RSO stated that the error was caused by radiopharmaceutical identification error prior to administration, inadequate verification of the radiopharmaceutical label, and failure to fully adhere to a standardized pre-administration verification ("time-out") process. The patient experienced no immediate adverse clinical effects. The incident does not meet the threshold of a reportable event.
- On April 21, 2026, the Agency received notification from the licensee regarding a medical event involving a patient undergoing Lutetium-177 dotatate therapy. The patient was prescribed four treatment fractions, each administered approximately eight weeks apart. The licensee stated that the standard prescribed activity for this procedure is 200 millicuries (mCi) per fraction; however, due to clinical reasons, a reduced activity of 160 mCi per fraction was selected for this patient. On April 20, 2026, during the administration of the first fraction, the reduced activity was not implemented, and the full 200 mCi dose was delivered, resulting in an excess activity of 40 mCi (25%) above the intended dose. The licensee estimated that this excess activity resulted in an additional dose of 125.5 rem to the spleen. The radiation safety officer (RSO) determined that the error resulted from failure by clinical staff to verify the prescribed activity against the written directive prior to administration. The physician, the patient, and the referring provider were notified of the event on April 21, 2026. No

violations were cited.

- On April 21, 2026, the department was notified by the licensee that a medical event had occurred at their facility. The licensee reported that it had received a unit dose of indium - 111, properly labeled from its supplier on April 20, 2026. The unit dose was administered to the patient later that day. The next morning the licensee was contacted by the pharmaceutical company providing the unit dose and informed that the radionuclide had not been tagged to any carrier. As a result, the licensee determined that the patient would receive a whole-body dose of 6.3 rem. No organ dose limit would have been exceeded. The licensee reported no adverse effects will be suffered by the patient. The radiopharmaceutical company that provided the unit dose determined that the unit dose had been incorrectly entered into their system and labeled as In -111 Octreoscan and not as In - 111 Chloride. The radiopharmaceutical company stated that they have made procedural changes to prevent this error from happening in the future. It also stated that personnel involved in the event have received additional training. No violations were cited.

List of Acronyms

AIP	Agreement in Principle
CCTA	Complex Coordinated Terrorist Attack
CMERRTT	Compressed Modular Emergency Response Radiological Transportation Training
CPNPP	Comanche Peak Nuclear Power Plant
CRCPD	Conference of Radiation Control Program Directors
CST	Civil Support Team
CT	Computed Tomography
DSHS	Department of State Health Services
EOC	Emergency Management Center
EPZ	Emergency Planning Zone
FEMA	Federal Emergency Management Agency
HAB	Hostile Action Based
HHSC	Health and Human Services Commission
HSSP	Homeland Security Strategic Plan
LLRW	Low-Level Radioactive Waste
MERTT	Modular Emergency Response Radiological Transportation Training
MQSA	Mammography Quality Standards Act
MSRR	Molten Salt Research Reactor
NEXT	Nuclear Energy eXperimental Testing Lab
NRC	Nuclear Regulatory Commission
NREP	National Radiological Emergency Preparedness
OSL	Optically Stimulated Luminescence
PCMC	Palacios Community Medical Center
PET/CT	Positron Emission Tomography-Computed Tomography
PRND	Preventative Radiological/Nuclear Detection
RAM	Radioactive Material
RAP	Radiological Assistance Program

RAPTER	Radiological Assistance Program Training for Emergency Response
RDD	Radiological Dispersal Device
REAC/TS	Radiation Emergency Assistance Center/Training Site
RERT	Radiological Emergency Response Team
R/N	Radiological/Nuclear
ROSS	Radiation Operations Support Specialist
RSI	Radiological Solutions Inc.
RSO	Radiation Safety Officer
RUL	Right Upper Lobe
SSEB	Southern States Energy Board
STC	Securing the Cities
STP	South Texas Project Nuclear Power Plant
TAC	Texas Administrative Code
TDEM	Texas Division of Emergency Management
TMERTT	Technician Modular Emergency Response Radiological Transportation Training
TOC	Texas Occupations Code
TRAB	Texas Radiation Advisory Board
TRG	Training Resource Group
TTX	Tabletop Exercise
URAD	Ultra Radiac
WCTEPC	West Central Texas Emergency Preparedness Conference
WIPP	Waste Isolation Pilot Plant
WMD	Weapon of Mass Destruction