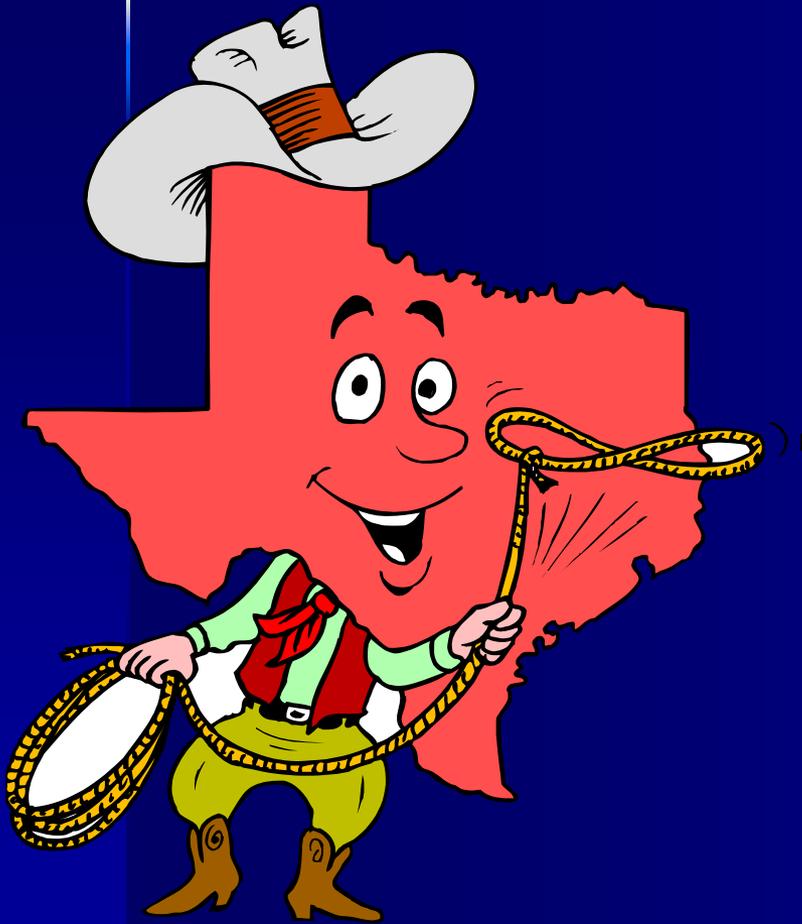


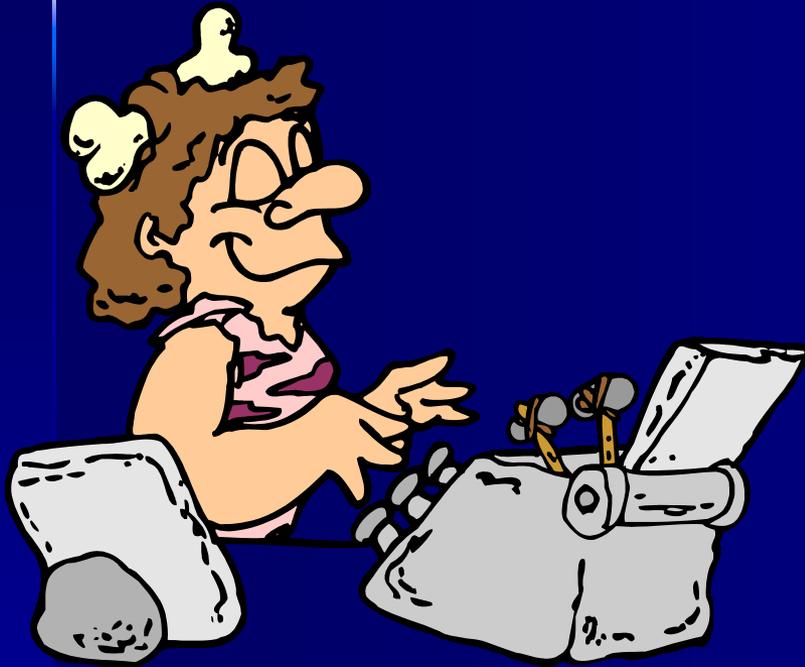
# INDUSTRIAL RADIOGRAPHER CERTIFICATION PROGRAM



***“EXAM FAILURE  
ANALYSIS”***

**BRIDGET STEPHENS  
SEPTEMBER 2014**

# FIRST “FINAL” RULE



■ 28 years ago

# THROUGH SEPTEMBER 2014...

- Created 496 exams
- Conducted 495 exam sessions
- Tested 21,252 individuals
- Issued 11,800+ certifications



# OTHER CERTIFYING ENTITIES



- ASNT (1991 -1998)
- Alabama (2002 – Present)
- Georgia (1995 – Present)
- Illinois (1994 – Present)
- Iowa (1993 – Present)
- Louisiana (1994 – Present)
- Maine (2000 – Present)
- North Dakota (1993 – Present)
- Oklahoma (1995 – Present)
- South Carolina (2002 – 2007)

# THROUGH AUGUST 2014...

- **Provided 12,000+ exams to other certifying entities**

# TYPES OF CERTIFICATIONS

- **Radioactive Materials Only**
- **X-Ray Machines Only**
- **Combination (RAM and X-Ray)**

# CERTIFICATION REQUIREMENTS

- **40-hour radiation safety course**
- **On-the-Job Training**
  - **200 hours or at least 1 year RAM**
  - **120 hours or at least 1 year X-Ray**
  - **320 hours or at least 1 year Combination**
- **Pass agency-administered exam**

# APPROVED 40 HOUR COURSES

## ☐ REMEMBER!!!

- 40-hour radiation safety courses must be listed on the Accepted Radiation Safety Training Course List



# TRAINEE QUALIFICATION



- **REMEMBER!!**
  - **On-the-job training hours count *AFTER* trainee status is documented and received by the certifying entity**

# EXAM SUBJECTS

- Radiation Fundamentals
- Radiation Detection Instrumentation
- State and Federal Regulations
- Operating, Safety and Emergency Procedures
- Radiographic Equipment

# EXAM INFORMATION

**125 QUESTIONS**

**100 QUESTIONS**

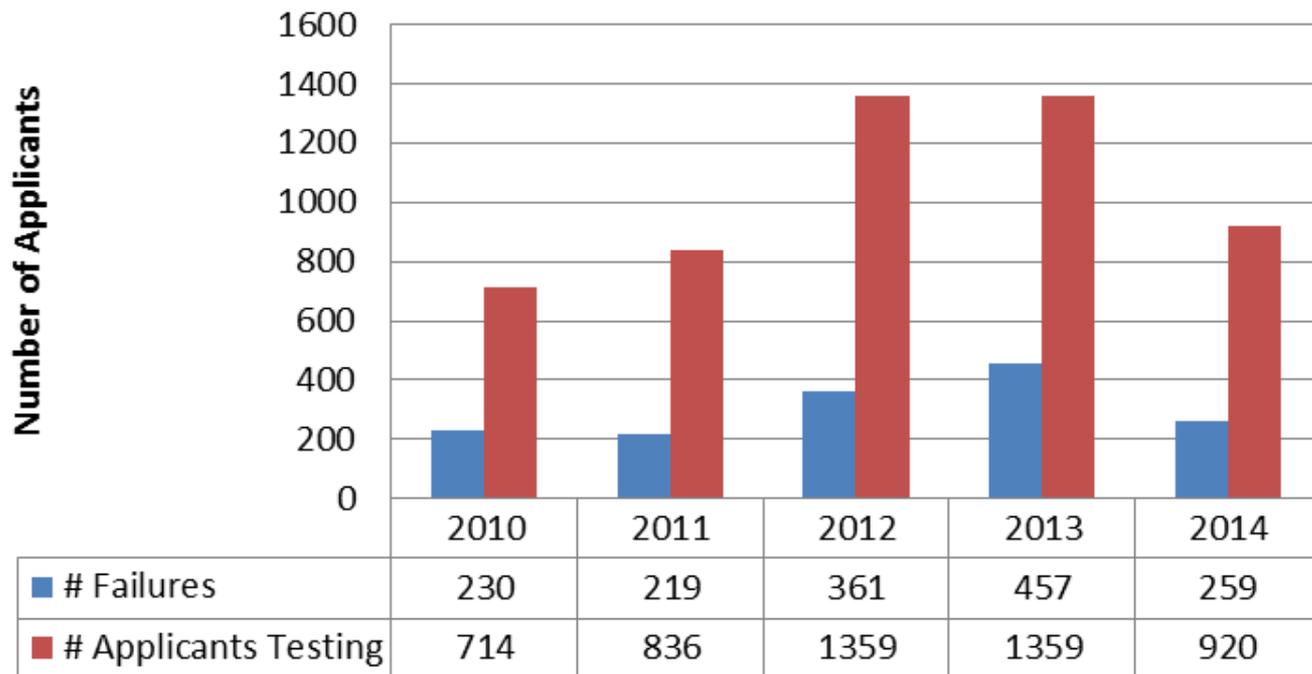
- **Count towards the score**
- **Passing score is 70 and up**

**25 QUESTIONS – PROVISIONAL**

- **Do not count for or against score**
- **Texas is field testing for validity**
- **Randomly distributed throughout examination**

# EXAM FAILURE RATE

## Texas Exam Failure Rate (2010 -2014)



**Failure Rate = 29.4%**

# EXAM SUBJECT BREAKDOWN (% CORRECT ANSWERS)

- Radiation Fundamentals – **56%**
- Radiation Detection Instrumentation – **74%**
- State and Federal Regulations – **60%**
- Operating, Safety and Emergency Procedures – **76%**
- Radiographic Equipment – **73%**
- Calculations – **43%**

# TRAINER QUALIFICATION

- **Application - BRC Form 255-T  
(Rev. 10/13)**
- **Document at least 1 year experience  
as a certified radiographer in RAM,  
X-RAY or BOTH**
- **No fee**

# **Radiographer Trainer Status**

- **Since April 2009, Industrial Radiographer Trainers that have passed the Texas certification exam have been issued a Certification ID card that indicates their individual trainer status**

# Radiographer Trainer ID Card

	<b>TEXAS INDUSTRIAL RADIOGRAPHER CERTIFICATION ID CARD</b>	
	IDENTIFICATION NO	<b>005454</b>
	EXPIRATION DATE	<b>09/30/2015</b>
	QUALIFICATION CODE	<b>3</b>
	DATE OF BIRTH	<b>11/19/1954</b>
		<b>(1T)</b>
ID CARD AUDIT NO <b>57149</b>	<b>JOYCE MARIE LeROUX</b>	

<b>QUALIFICATION CODES</b>	<b>1T = RADIOACTIVE MATERIALS (TRAINER)</b>
	<b>2T = X-RAY MACHINES (TRAINER)</b>
	<b>3T = BOTH [RAM &amp; X-RAY] (TRAINER)</b>

**HOLDER:** This ID card is the property of the State of Texas and may be revoked or suspended under the provisions of 25 Texas Administrative Code, Sections 289.205 and 289.255. A fee will be charged for the replacement of any ID card.

**NOTICE:** If found, drop in nearest U.S. mailbox. Postmaster, postage guaranteed, return to:

Department of State Health Services  
Radioactive Material Licensing - MC 2835  
PO Box 149347  
Austin TX 78714-9347

BRC Form 255-ID Rev. 04/10

# **Radiographer Trainer ID Card (Reciprocity)**

- **A radiographer with a card issued by another state or jurisdiction and who has been verified as a current trainer, will be issued a card authorizing the individual to act as a radiographer trainer in Texas**
- **ID card will contain no photo and must be used in conjunction with the individual's current card issued by the other state or jurisdiction**

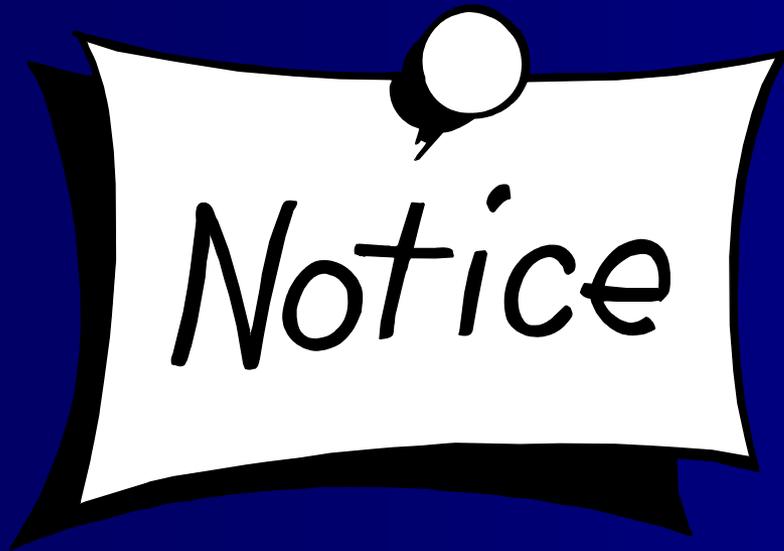
# **Radiographer Trainer ID Card (Reciprocity)**

- **Expiration date of the Texas trainer ID card will be the same as the current ID card issued by the other state or jurisdiction**

# Radiographer Trainer ID Card (Reciprocity)

<b>This card is only valid when used in conjunction with a current certificate issued by another approved state or ASNT.</b>	<b>TEXAS INDUSTRIAL RADIOGRAPHER CERTIFICATION ID CARD (RECIPROCITY TRAINER)</b>	
	<b>IDENTIFICATION NO</b>	<b>002345</b>
<b>ID CARD AUDIT NO</b>	<b>EXPIRATION DATE</b>	<b>09/30/2015</b>
<b>LA47175</b>	<b>QUALIFICATION CODE</b>	<b>3</b>
	<b>DATE OF BIRTH</b>	<b>11/12/1960</b>
		<b>1T</b>
<b>GLADYS CANBE</b>		
<b>QUALIFICATION CODES</b>	<b>1T = RADIOACTIVE MATERIALS (TRAINER)</b>	
	<b>2T = X-RAY MACHINES (TRAINER)</b>	
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BRC Form 255-ID		Rev. 04/10

# CARD EXPIRATION



- Card expires 5 years from date documentation review is completed and card is issued

# CARD EXPIRATION

- A worker may carry expired ID card in lieu of trainee status card, and work as a trainee until a new card is received



# IR WEBSITE



<http://www.dshs.state.tx.us/radiation>

**Exam Schedule, Information and Forms**

**Certification Requirements**

**Other Accepted Radiographer Certifications**

**Radiographer Certification Contact Numbers**

# QUESTIONS?



TEXAS DEPARTMENT OF  
STATE HEALTH SERVICES