RADIATION CONSULTANTS, INC. RADIOLOGICAL SAFETY / HEALTH PHYSICS SERVICES

(Texas License No. L02179)



Post Office Box 787 Deer Park, Texas 77536 Office: 281.476.0072

07 April 2012

Mr. Eddie Stelly Radiation Safety Officer ACCURATE NDE & INSPECTION, LLC 209 Industrial Trace Broussard, Louisiana 70518

WILLFUL VIOLATION TRAINING CONFIRMATION

Dear Eddie:

This is to confirm that the following individuals were trained on the topic of Willful Violation, in accordance with the requirements specified in the Nuclear Regulatory Commission's Confirmatory Order EA-11-043.

The following individuals were trained on 3/30/12:

- 1. Eddie Stelly
- 2. Denton Bourque
- 3. Justin Shaw
- 4. Troy Trahan

- 5. Charles Brignac 6. Cory Perry'
- 7. Kyle Lenamon

8. Rufus Marceaux

9. Jonathan Johnson 10. Chase Maedgen

Toll Free: 800.899.4112

website: www.radcons.com

Fax: 281.476.0658

The following individuals were trained on 4/2/12:

- 1. Brandon Stelly
- 2. Joseph Melancon
- 3. Phillip Manuel 4. Gregory Dupas
- 5. Scott Martin

We appreciate very much the opportunity to provide services to your company and sincerely hope you will consider us again for your future radiological needs. Please feel free to give me a call if I may he of any further assistance.



Respectfully,

RADIATION CONSULTANTS, INC. Texas License No. L02179

Bruce E. Bristow President / Health Physicist

BEB:pdb

RADIATION CONSULTANTS, INC. Consulting | Training | Licensing Assistance | Radiological Program Audits | Records Management Leak Testing Instrument Calibrations | Radiological Surveys | Dose Calculations | Emergency Assistance

DIATION	CONSI	JLTANTS	INC.



P.O. Box 787, Deer Park, Texas 77536 800.899.4112 281.476.0072 Fax: 281.476.0658

Name:	Kyle Lena	MON	Date:
Company:	Accurate	NDE	Location:

Date:	3-30-12	

WILLFUL VIOLATION TRAINING EXAM

Circle the letter that represents the best answer to each question. Each question has only one answer.

- What types of actions can lead to "willful violations" occurring?
 - a. Deliberate misconduct.
 - h. Careless disregard.
 - c.) Both a. and b.
 - d. None of the above.
- 2. What are the components of willful violations?
 - a. An NRC requirement exists;
 - b. Compliance with the requirement has been breached through voluntary and intentional action; or
 - c. Compliance with the requirement has been breached
 - through lack of action (other than a mistake or error). All of the above.
- 3. What are the elements of deliberate misconduct?
 - a. A person's actions were voluntary,
 - b. The person knew there was a requirement, understood the requirement and knew that it applied at the time;
 - c. The person knew their actions were contrary to the requirement.
 - (d) All of the above.
- 4. If a person voluntarily acts with reckless disregard to the existence of a requirement, their actions constitute which of the following?
 - Deliberate misconduct.
 - b. Careless disregard
 - c. Both of the above.
 - d. None of the above.
- 5. Penalties for deliberate misconduct can include which of the following?
 - a. Suspension of the company's license.
 - b. Revocation of the company's license.
 - Civil penalties of up to \$140,000.

All of the above.

- Which of the following activities are protected under regulations contained in 10 CFR 30.7?
 - Providing the NRC with information about alleged violations of regulatory requirements.
 - b. Refusing to engage in any unlawful practice.
 - c. Requesting the NRC institute actions against the employer
 - for enforcement of regulatory requirements.
 - d) All of the above.

- 7. Any person who believes that they have been discriminated against for engaging in protected activities may seek remedy through which of the following?
 - a. The Nuclear Regulatory Commission.
 - b. The State Radiation Regulatory Agency.
 - C The Dept, of Labor, Employment Standards Admin.
 - d. None of the above.
- 8. According to NRC's Safety Culture Policy Statement, the NRC expects that individuals and organizations will do which of the following?
 - a. Discuss the concept of safety culture, if they feel it applies \sim to them.
 - (b) Establish and maintain a positive safety culture at all times.
 - c. Encourage employees to learn about what a safety culture is, if they feel it applies to them.
 - d. None of the above.
- According to the NRC's Safety Culture Policy Statement, which of the following are traits of a positive safety culture?
 - a. Personal accountability.
 - b. Effective safety communication.
 - Respectful work environment.
 - (d.) All of the above.
- 10. According to the NRC's Safety Culture Policy Statement, which of the following is true of a positive safety culture?
 - (a. Leaders demonstrate a commitment to safety in their behaviors.
 - b. Leaders focus communications on production.
 - c. Leaders discourage personal responsibility.
 - d. All of the above.
- 11. During a 2005 NRC inspection of Accurate NDE, which of the below identified willful violations were the direct result of an employee's bad decisions?
 - a. An exposure device was not properly secured.
 - b. A radiographer's assistant did not wear any personnel monitoring equipment.
 - , The daily radiation report was falsified.
 - (d) All of the above.

- 12. As a result of the willful violations issued to Accurate NDE in 2005, what penalty did NRC assess?
 - a. Proposed suspension of the company's license.
 - (b.) Proposed a \$13,000 fine.
 - c_ Proposed termination of the employees involved.
 - All of the above.
- 13. In Case #1 that was discussed, how much radiation dose did the radiographer receive to his hand, as a result of failing to perform a radiation survey?
 - a. 100 rem.
 - b. 500 rem.
 - (c) 1,070 rem.
 - d. None of the above.
- 14. In Case #2 that was discussed, the assistant radiographer failed to perform a radiation survey and, as a result, received a dose to his hand of 1,500 - 3,000 rem. What medical actions did the physician say may be necessary as a result of the exposure?
 - a. None.
 - (b) Possible amputation of one or more fingers.
 - c. Sterility of the assistant radiographer.
 - d. None of the above.
- 15. In Case #3 that was discussed, how much radiation dose did the assistant radiographer receive to the skin of his neck?
 - (a) 5,000 7,000 rem.
 - b. 1,000 2,000 rem.
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 - a. It can remain intact for 1 hour.
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- 19. When can a radiographer instructor perform source retrieval operations?
 - a. After the RSO has specifically authorized them to.
 - b. After they have been trained in retrieval operations.
 - c. After contacting the RSO and receiving specific
 - > approval for each incident.
 - (d,)All of the above.
- 20. What is the consequence of committing a willful violation of regulatory requirements?
 - a. The NRC can issues fines.
 - h. The NRC can suspend or terminate the company's license.
 - . Individuals can be seriously injured or killed.
 - d.) All of the above.

P.O. Box 787, Dec 800.899.4112 281.476 Name: Troy Trahan Company: Accurate NDE + Juppe	NSULTANTS, INC. er Park, Texas 77536 .0072 Fax: 281.476.0658 Date: $03/30/2012$ Date: $03/30/2012$ Location: Browssard, LA ON TRAINING EXAM
Circle the letter that represents the best answer to	o each question. Each question has only one answer.
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	(continued on back)

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42. As a result of the willful violations issued to Accurate NDE in 2005, what penalty did NRC assess? a. Proposed suspension of the company's license. (b.) Proposed a \$13,000 fine. c. Proposed termination of the employees involved. d. All of the above. 1. In Case #1 that was discussed, how much radiation dose did the radiographer receive to his hand, as a result of failing to perform a radiation survey? a. 100 rem. b._500 rem. c. 1,070 rem. d. None of the above. 4. In Case #2 that was discussed, the assistant radiographer failed to perform a radiation survey and, as a result, received a dose to his hand of 1,500 - 3,000 rem. What medical actions did the physician say may be necessary as a result of the exposure? a. None. b. Possible amputation of one or more fingers. c. Sterility of the assistant radiographer. d. None of the above. J.S. In Case #3 that was discussed, how much radiation dose did the assistant radiographer receive to the skin of his neck? (a. 5,000 - 7,000 rem. b. 1,000 - 2,000 rem. c. 50 - 100 rem None of the above. 46. Which of the following was identified as being critical to ensuring that willful violations (and overexposures) are avoided? a. Radiation safety procedures and regulations must always be followed during radiographic operations, especially during non-normal events. b. A radiation survey must always be performed after the source is retracted back into the camera.

c. Radiographer assistants / trainees must always be

supervised when performing radiographic operations.

d. All of the above.

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- a. Perform a survey of the area and post an actual 2 mR/hr boundary.
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- _Individuals can be seriously injured or killed.

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RADIATION CONSULTANTS, INC.

P.O. Box 787, Deer Park, Texas 77536 800.899.4112 281.476.0072 Fax: 281.476.0658

Name: 1	Was MARCENUX	
Company:	ACCURATE NDE	

Date: 3-30-12 Location: BRMSSANd

WILLFUL VIOLATION TRAINING EXAM

Circle the letter that represents the best answer to each question. Each question has only one answer.

- 1. What types of actions can lead to "willful violations" occurring?
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RADIATION CONSULTANTS, INC. P.O. Box 787, Deer Park, Texas 77536 800.899.4112 281.476.0072 Fax: 281.476.0658			
Name: COR TERR	Date: 3.30.20/2		
Company: HECURATE NDE	Location:		
WILLFUL VIOLATION TRAINING EXAM			
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b. Refusing to engage in any unlawful practice.

for enforcement of regulatory requirements.

d. All of the above.

c. Requesting the NRC institute actions against the employer

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RADIATION CONSULTANTS, INC.

P.O. Box 787, Deer Park, Texas 77536 800.899.4112 281.476.0072 Fax: 281.476.0658

000.099.7112 201.770.0072 1 ax. 201.770.0030		
Name: Justin Shaw	Date: 3-30-12	
Name: Justin Shaw Company: Accorate ND2	Location:	
WILLFUL VIOLATIO	ON TRAINING EXAM	
Circle the letter that represents the best answer to	each question. Each question has only one answer.	
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d.) All of the above.

RADIATION CONSULTANTS, INC.

P.O. Box 787, Deer Park, Texas 77536 800.899.4112 281.476.0072 Fax: 281.476.0658

Name: Chase Maedgen	Date: 3-30-12	
Name: <u>Chase Maedgen</u> Company: <u>ANDE</u>	Location:	
WILLFUL VIOLATIO	ON TRAINING EXAM	
Circle the letter that represents the best answer to	each question. Each question has only one answer.	
 What types of actions can lead to "willful violations" occurring? Deliberate misconduct. Careless disregard. Both a. and b. None of the above. What are the components of willful violations? An NRC requirement exists; Compliance with the requirement has been breached through voluntary and intentional action; or Compliance with the requirement has been breached through lack of action (other than a mistake or error). All of the above. What are the elements of deliberate misconduct? A person's actions were voluntary; The person knew there was a requirement, understood the requirement and knew that it applied at the time; The person knew their actions were contrary to the requirement. All of the above. 	 7. Any person who believes that they have been discriminated against for engaging in protected activities may seek remedy through which of the following? a. The Nuclear Regulatory Commission. b. The State Radiation Regulatory Agency. c. The Dept. of Labor, Employment Standards Admin. d. None of the above. 8. According to NRC's Safety Culture Policy Statement, the NRC expects that individuals and organizations will do which of the following? a. Discuss the concept of safety culture, if they feel it applies to them. c. Encourage employees to learn about what a safety culture is, if they feel it applies to them. d. None of the above. 9. According to the NRC's Safety Culture Policy Statement, which of the following are traits of a positive safety culture? a. Personal accountability. b. Effective safety communication. c. Respectful work environment. 	
4. If a person voluntarily acts with reckless disregard to the existence of a requirement, their actions constitute which of	All of the above.	
the following? a. Deliberate misconduct. (D) Careless disregard. c. Both of the above. d. None of the above.	 10. According to the NRC's Safety Culture Policy Statement, which of the following is true of a positive safety culture? a) Leaders demonstrate a commitment to safety in their behaviors. b. Leaders focus communications on production. c. Leaders discourage personal responsibility. 	
Penalties for deliberate misconduct can include which of the following?	d. All of the above.	

- a. Suspension of the company's license.
 - Revocation of the company's license.
- Civil penalties of up to \$140,000.

All of the above.

5

- Which of the following activities are protected under regulations contained in 10 CFR 30.7?
 - Providing the NRC with information about alleged violations of regulatory requirements.
 - b. Refusing to engage in any unlawful practice.
 - c. Requesting the NRC institute actions against the employer
 - for enforcement of regulatory requirements.
 - All of the above.

- 11. During a 2005 NRC inspection of Accurate NDE, which of the below identified willful violations were the direct result of an employee's bad decisions?
 - a. An exposure device was not properly secured.
 - b. A radiographer's assistant did not wear any personnel monitoring equipment.
 - The daily radiation report was falsified.
 - (d.) All of the above.

12. As a result of the willful violations issued to Accurate NDE in 2005, what penalty did NRC assess?

Proposed suspension of the company's license.

b Proposed a \$13,000 fine.

- c. Proposed termination of the employees involved.
- d. All of the above.
- 13. In Case #1 that was discussed, how much radiation dose did the radiographer receive to his hand, as a result of failing to perform a radiation survey?
 - a. 100 rem.
 - b. 500 гет.
 - C 1,070 rem.
 - d. None of the above.
- 14. In Case #2 that was discussed, the assistant radiographer failed to perform a radiation survey and, as a result, received a dose to his hand of 1,500 - 3,000 rem. What medical actions did the physician say may he necessary as a result of the exposure?
 - a. None.
 - (b) Possible amputation of one or more fingers.
 - c. Sterility of the assistant radiographer.
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- 20. What is the consequence of committing a willful violation of regulatory requirements?
 - a. The NRC can issues fines.
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RADIATION CONSULTANTS, INC. P.O. Box 787, Deer Park, Texas 77536 800.899.4112 281.476.0072 Fax: 281.476.0658

Name:	Denton R. Bourgue	_
Сотралу:	Arcupate NDE 3 Inspection	

Date: 3-30-/2	.
Location: Broussard, La	_

WILLFUL VIOLATION TRAINING EXAM

Circle the letter that represents the best answer to each question. Each question has only one answer.

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 - c. Compliance with the requirement has been breached
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 - a. A person's actions were voluntary;
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 - c. The person knew their actions were contrary to the requirement.
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- **14**. If a person voluntarily acts with reckless disregard to the existence of a requirement, their actions constitute which of the following?
 - Deliberate misconduct
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 - c. Both of the above.
 - d. None of the above.
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 - a. Suspension of the company's license.
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- Which of the following activities are protected under regulations contained in 10 CFR 30.7?
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 - b. Refusing to engage in any unlawful practice.
 - c. Requesting the NRC institute actions against the employer
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- Any person who believes that they have been discriminated against for engaging in protected activities may seek remedy through which of the following?
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b. Refusing to engage in any unlawful practice.

for enforcement of regulatory requirements.

(d) All of the above.

c. Requesting the NRC institute actions against the employer

RADIATION CONSULTANTS, INC. P.O. Box 787, Deer Park, Texas 77536 800.899.4112 281.476.0072 Fax: 281.476.0658

Name: Jonathan Johnson	
Name: Jonathan Johnson Company: Accurate NDF	Location:
	ON TRAINING EXAM
Circle the letter that represents the best answer to	each question. Each question has only one answer.
 What types of actions can lead to "willful violations" occurring? a. Deliberate misconduct. b. Careless disregard. (c) Both a. and b. d. None of the above. What are the components of willful violations? a. An NRC requirement exists; b. Compliance with the requirement has been breached through voluntary and intentional action; or c. Compliance with the requirement has been breached 	 7. Any person who believes that they have been discriminated against for engaging in protected activities may seek remedy through which of the following? a. The Nuclear Regulatory Commission. b. The State Radiation Regulatory Agency. (c) The Dept. of Labor, Employment Standards Admin. d. None of the above. 8. According to NRC's Safety Culture Policy Statement, the NRC expects that individuals and organizations will do which of the following? a. Discuss the concept of safety culture, if they feel it applies
 through lack of action (other than a mistake or error). All of the above. 3. What are the elements of deliberate misconduct? a. A person's actions were voluntary; b. The person knew there was a requirement, understood the requirement and knew that it applied at the time; c. The person knew their actions were contrary to the requirement. d. All of the above. 	 to them. b) Establish and maintain a positive safety culture at all times. c. Encourage employees to learn about what a safety culture is, if they feel it applies to them. d. None of the above. 9. According to the NRC's Safety Culture Policy Statement, which of the following are traits of a positive safety culture? a. Personal accountability. b. Effective safety communication. c. Respectful work environment.
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RADIATION	CONSULT	ANTS, INC.
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P.O. Box 787, Deer Park, Texas 77536 800.899.4112 281.476.0072 Fax: 281.476.0658

Name: Charles	Brighac
Company: Accura	1

Date: _3/30/12	
Location:	

WILLFUL VIOLATION TRAINING EXAM

Circle the letter that represents the best answer to each question. Each question has only one answer.

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- 5. Penalties for deliberate misconduct can include which of the following?
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RADIATION CONSULTANTS, INC.

P.O. Box 787, Deer Park, Texas 77536 800.899.4112 281.476.0072 Fax: 281.476.0658

Name: Eddie Stully Company: Accuvate WDE & Inspection

Date:	3-30-12
	Braussord, LA
Location:	LAUSSOFA, LM

WILLFUL VIOLATION TRAINING EXAM

Circle the letter that represents the best answer to each question. Each question has only one answer.

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 - A Norrege Street
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 - b, After they have been trained in retrieval operations.
 - (c.)After contacting the RSO and receiving specific
 - approval for each incident.
 - d. All of the above.
- 20. What is the consequence of committing a willful violation of regulatory requirements?
 - a. The NRC can issues fines.
 - b. The NRC can suspend or terminate the company's license.
 - c. Individuals can be seriously injured or killed.
 - (d) All of the above.

RADIATION	CONSUL	TANTS,	INC.
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P.O. Box 787, Deer Park, Texas 77536 800.899.4112 281.476.0072 Fax: 281.476.0658

Name: Scott Martin	Date: 4-2-12
Company: Accutate NOE	Date: Location:TX
WILLFUL VIOLATI	ON TRAINING EXAM
Circle the letter that represents the best answer to	each question. Each question has only one answer.
 What types of actions can lead to "willful violations" occurring? Deliberate misconduct. Careless disregard. Both a. and b. None of the above. What are the components of willful violations? An NRC requirement exists; Compliance with the requirement has been breached through voluntary and intentional action; or Compliance with the requirement has been breached through lack of action (other than a mistake or error). 	 7. Any person who believes that they have been discriminated against for engaging in protected activities may seek remedy through which of the following? a. The Nuclear Regulatory Commission. b. The State Radiation Regulatory Agency. (c) The Dept. of Labor, Employment Standards Admin. d. None of the above. 8. According to NRC's Safety Culture Policy Statement, the NRC expects that individuals and organizations will do which of the following? a. Discuss the concept of safety culture, if they feel it applies to them.
 d All of the above. 3. What are the elements of deliberate misconduct? a. A person's actions were voluntary; b. The person knew there was a requirement, understood the requirement and knew that it applied at the time; c. The person knew their actions were contrary to the requirement. d All of the above. 	 b. Establish and maintain a positive safety culture at all times. c. Encourage employees to learn about what a safety culture is, if they feel it applies to them. d. None of the above. 9. According to the NRC's Safety Culture Policy Statement, which of the following are traits of a positive safety culture? a. Personal accountability. b. Effective safety communication. c. Respectful work environment.
 4. If a person voluntarily acts with reckless disregard to the existence of a requirement, their actions constitute which of the following? a. Deliberate misconduct. Careless disregard. c. Both of the above. d. None of the above. 5. Penalties for deliberate misconduct can include which of the following?	 (d) All of the above. 10. According to the NRC's Safety Culture Policy Statement, which of the following is true of a positive safety culture? (a) Leaders demonstrate a commitment to safety in their behaviors. (b) Leaders focus communications on production. (c) Leaders discourage personal responsibility. (d) All of the above.
 a. Suspension of the company's license. b. Revocation of the company's license. c. Civil penalties of up to \$140,000. All of the above. 6. Which of the following activities are protected under regulations contained in 10 CFR 30.7? a. Providing the NRC with information about alleged violations of regulatory requirements. 	 11. During a 2005 NRC inspection of Accurate NDE, which of the below identified willful violations were the direct result of an employee's bad decisions? a. An exposure device was not properly secured. b. A radiographer's assistant did not wear any personnel monitoring equipment. c. The daily radiation report was falsified. d. All of the above.

- b. Refusing to engage in any unlawful practice.
 c. Requesting the NRC institute actions against the employer for enforcement of regulatory requirements.
 d. All of the above.

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- 12. As a result of the willful violations issued to Accurate NDE in 2005, what penalty did NRC assess?
 - a. Proposed suspension of the company's license.
 - **(b)** Proposed a \$13,000 fine.
 - c. Proposed termination of the employees involved.
 - d. All of the above.
- 13. In Case #1 that was discussed, how much radiation dose did the radiographer receive to his hand, as a result of failing to perform a radiation survey?
 - а. 100 гет.
 - b. 500 rem.
 - (c) 1,070 rem.
 - d. None of the above.
- 14. In Case #2 that was discussed, the assistant radiographer failed to perform a radiation survey and, as a result, received a dose to his hand of 1,500 - 3,000 rem. What medical actions did the physician say may be necessary as a result of the exposure?
 - a. None.
 - (6.) Possible amputation of one or more fingers.
 - c. Sterility of the assistant radiographer.
 - d. None of the above.
- 15. In Case #3 that was discussed, how much radiation dose did the assistant radiographer receive to the skin of his neck?
 - (a.) 5,000 7,000 rem.
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- 16. Which of the following was identified as being critical to ensuring that willful violations (and overexposures) are avoided?
 - Radiation safety procedures and regulations must always be followed during radiographic operations, especially during non-normal events.
 - b. A radiation survey must always he performed after the source is retracted back into the camera.
 - c. Radiographer assistants / trainees must always be supervised when performing radiographic operations.
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RADIATION	CONSUL	TANTS,	INC
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P.O. Box 787, Deer Park, Texas 77536 800.899.4112 281.476.0072 Fax: 281.476.0658

Name: Phillip Manuel	
Company: ACCUrate NDE	

Date:	04-2-12	
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## WILLFUL VIOLATION TRAINING EXAM

Circle the letter that represents the best answer to each question. Each question has only one answer.

- 1. What types of actions can lead to "willful violations" occurring?
  - a. Deliberate misconduct.
  - b. Careless disregard. Both a. and b.

  - d. None of the above.
- 2. What are the components of willful violations?
  - a. An NRC requirement exists;
  - b. Compliance with the requirement has been breached through voluntary and intentional action; or
  - c. Compliance with the requirement has been breached
  - through lack of action (other than a mistake or error).
  - d) All of the above.
- 3. What are the elements of deliberate misconduct?
  - a. A person's actions were voluntary,
  - b. The person knew there was a requirement, understood the requirement and knew that it applied at the time;
  - c. The person knew their actions were contrary to the requirement.
  - All of the above.
- 4. If a person voluntarily acts with reckless disregard to the existence of a requirement, their actions constitute which of the following?
  - Deliberate misconduct.
  - Careless disregard.
    - c. Both of the above.
    - d. None of the above.
- 5. Penalties for deliberate misconduct can include which of the following?
  - a. Suspension of the company's license.
  - b. Revocation of the company's license.
  - Civil penalties of up to \$140,000.
  - All of the above.
- Which of the following activities are protected under regulations contained in 10 CFR 30.7? a. Providing the NRC with information about alleged
  - violations of regulatory requirements.
  - b. Refusing to engage in any unlawful practice.
  - c. Requesting the NRC institute actions against the employer
  - for enforcement of regulatory requirements.
  - d. All of the above.

- 7. Any person who believes that they have been discriminated against for engaging in protected activities may seek remedy through which of the following?
  - The Nuclear Regulatory Commission.

Location:

- b. The State Radiation Regulatory Agency.
- C The Dept. of Labor, Employment Standards Admin.
  - d. None of the above.
- 8. According to NRC's Safety Culture Policy Statement, the NRC expects that individuals and organizations will do which of the following?
  - a. Discuss the concept of safety culture, if they feel it applies to them.

(b) Establish and maintain a positive safety culture at all times.

- c. Encourage employees to learn about what a safety culture is, if they feel it applies to them.
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Name: Brandon Stelly Date: 4-2-12 Company: Accurate ME Location:				
Company Accurate MAE	Location;			
	ON TRAINING EXAM			
Circle the letter that represents the best answer to	each question. Each question has only one answer.			
<ol> <li>What types of actions can lead to "willful violations" occurring?         <ol> <li>Deliberate misconduct.</li> <li>Careless disregard.</li> <li>Both a. and b.</li> <li>None of the above.</li> </ol> </li> </ol>	<ul> <li>7. Any person who believes that they have been discriminated against for engaging in protected activities may seek remedy through which of the following?</li> <li>a. The Nuclear Regulatory Commission.</li> <li>b. The State Radiation Regulatory Agency.</li> <li>(c) The Dept. of Labor, Employment Standards Admin.</li> <li>d. None of the above.</li> </ul>			
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P.O. Box 787, Dee	NSULTANTS, INC. Tr Park, Texas 77536 0072 Fax: 281.476.0658 Date: $1 - 2 - 12$ Location:		
WILLFUL VIOLATION TRAINING EXAM			
Circle the letter that represents the best answer to each question. Each question has only one answer.			
<ol> <li>What types of actions can lead to "willful violations" occurring?         <ul> <li>a. Deliberate misconduct.</li> <li>b. Careless disregard.</li> <li>C. Both a. and b.</li> <li>d. None of the above.</li> </ul> </li> <li>What are the components of willful violations?         <ul> <li>a. An NRC requirement exists;</li> <li>b. Compliance with the requirement has been breached through voluntary and intentional action; or</li> <li>c. Compliance with the requirement has been breached through lack of action (other than a mistake or error).</li> <li>d. All of the above.</li> </ul> </li> <li>What are the elements of deliberate misconduct?         <ul> <li>a. A person's actions were voluntary;</li> <li>b. The person knew there was a requirement, understood the requirement and knew that it applied at the time;</li> <li>c. The person knew their actions were contrary to the requirement.</li> <li>d. All of the above.</li> </ul> </li> <li>If a person voluntarily acts with reckless disregard to the existence of a requirement, their actions constitute which of the following?         <ul> <li>a. Deliberate misconduct.</li> <li>b. Careless disregard.</li> <li>c. Both of the above.</li> </ul> </li> </ol>	<ul> <li>7. Any person who believes that they have been discriminated against for engaging in protected activities may seek remedy through which of the following? <ul> <li>a. The Nuclear Regulatory Commission.</li> <li>b. The State Radiation Regulatory Agency.</li> <li>c. The Dept. of Labor, Employment Standards Admin.</li> <li>d. None of the above.</li> </ul> </li> <li>8. According to NRC's Safety Culture Policy Statement, the NRC expects that individuals and organizations will do which of the following? <ul> <li>a. Discuss the concept of safety culture, if they feel it applies to them.</li> <li>b. Establish and maintain a positive safety culture at all times.</li> <li>c. Encourage employees to learn about what a safety culture is, if they feel it applies to them.</li> <li>d. None of the above.</li> </ul> </li> <li>9. According to the NRC's Safety Culture Policy Statement, which of the following are traits of a positive safety culture? <ul> <li>a. Personal accountability.</li> <li>b. Effective safety communication.</li> <li>c. Respectful work environment.</li> <li>d. All of the above.</li> </ul> </li> <li>10. According to the NRC's Safety Culture Policy Statement, which of the following is true of a positive safety culture? <ul> <li>a. Dedees demonstrate a commitment to safety in their behaviors.</li> <li>b. Leaders demonstrate a commitment to safety in their behaviors.</li> </ul> </li> </ul>		
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- a. Suspension of the company's license.
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11. During a 2005 NRC inspection of Accurate NDE, which of the below identified willful violations were the direct result of an employee's bad decisions?

601

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#### RADIATION CONSULTANTS, INC.

P.O. Box 787, Deer Park, Texas 77536 800.899.4112 281.476.0072 Fax: 281.476.0658

Name: Joseph CMelancon Company: Accurate NDE & Tospeck	$\underline{\qquad Date: April 2, 2012}$
WILLFUL VIOLATION TRAINING EXAM	
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3.

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- Which of the following activities are protected under 6. regulations contained in 10 CFR 30.7? a. Providing the NRC with information about alleged
  - violations of regulatory requirements.
  - b. Refusing to engage in any unlawful practice.
  - c. Requesting the NRC institute actions against the employer
  - for enforcement of regulatory requirements.
  - All of the above. (d. .

which of the following are traits of a positive safety culture? a. Personal accountability. b. Effective safety communication.

According to the NRC's Safety Culture Policy Statement,

- c. Respectful work environment.
- (d.)All of the above.

10. According to the NRC's Safety Culture Policy Statement,

- which of the following is true of a positive safety culture? a. Leaders demonstrate a commitment to safety in their
- behaviors.
- h. Leaders focus communications on production.
- Leaders discourage personal responsibility.
- All of the above.
- 11. During a 2005 NRC inspection of Accurate NDE, which of the below identified willful violations were the direct result of an employee's bad decisions?
  - a. An exposure device was not properly secured.
  - b. A radiographer's assistant did not wear any personnel monitoring equipment.

The daily radiation report was falsified.

d. All of the above.



- 12. As a result of the willful violations issued to Accurate NDE in 2005, what penalty did NRC assess?
  - a Proposed suspension of the company's license.
  - b) Proposed a \$13,000 fine.
  - c. Proposed termination of the employees involved.
  - d. All of the above.
- 13. In Case #1 that was discussed, how much radiation dose did the radiographer receive to his hand, as a result of failing to perform a radiation survey?
  - a. 100 rem.
  - <u>b.</u> 500 rem.
  - ©1,070 rem.
  - d. None of the above.
- 14. In Case #2 that was discussed, the assistant radiographer failed to perform a radiation survey and, as a result, received a dose to his hand of 1,500 - 3,000 rem. What medical actions did the physician say may be necessary as a result of the exposure?
  - a None.
  - b.) Possible amputation of one or more fingers.
  - c. Sterility of the assistant radiographer.
  - d. None of the above.
- 15. In Case #3 that was discussed, how much radiation dose did the assistant radiographer receive to the skin of his neck?
  - (a) 5,000 7,000 rem.
  - b. 1,000 2,000 rem.
  - c. 50 100 rem
  - None of the above.
- 16. Which of the following was identified as being critical to ensuring that willful violations (and overexposures) are avoided?
  - Radiation safety procedures and regulations must always be followed during radiographic operations, especially during non-normal events.
  - b. A radiation survey must always be performed after the source is retracted back into the camera.
  - c. Radiographer assistants / trainees must always be
  - supervised when performing radiographic operations.
  - d. All of the above.



 $\frac{1}{2}$  During an event in which an equipment malfunction occurs,  $\frac{1}{2}$ , what steps should radiographic personnel follow?

Perform a survey of the area and post an actual 2 mR/hr boundary.

- b. Place "Caution" signs at the boundary and maintain ... visual surveillance.
- Wait for the RSO's instructions on how to proceed. d. All of the above.
- 18. After posting the actual 2 mR/hr boundary, using a survey meter, how long can the boundary remain established before it must be adjusted or removed?
  - a. It can remain intact for 1 hour.
  - b. It can remain intact for 8 hours.
  - C. It can remain intact indefinitely.
  - d. None of the above.
- 19. When can a radiographer instructor perform source retrieval operations?
  - a. After the RSO has specifically authorized them to.
  - b. After they have been trained in retrieval operations.
  - c. After contacting the RSO and receiving specific
  - approval for each incident.
  - d.)All of the above.
- 20. What is the consequence of committing a willful violation of regulatory requirements?
  - a. The NRC can issues fines.
  - b. The NRC can suspend or terminate the company's license.
  - S Individuals can be seriously injured or killed.

d.) All of the above.