

**GEOGRAPHIC INFORMATION SYSTEMS
GEOGRAPHIC INFORMATION CENTER
PO BOX 5839
MC ALLEN, TEXAS 78502-5839**

1-800-522-0139

**kh@acnet.net
Copyright 2010**

***** EXAMINATION *****

OSHA GUIDELINES FOR GRAIN HANDLING

1. **Hot work includes:**
 - a) electric or gas welding
 - b) cutting
 - c) brazing
 - d) All of the above

2. **Employees must be given a work permit before they enter bins**
 - a) unless the employer is present
 - b) unless an OSHA representative is present
 - c) unless the owner of the bins is present
 - d) Any of the above

3. **The atmosphere in a bin can be**
 - a) nitrogen deficient
 - b) oxygen deficient
 - c) carbon dioxide deficient
 - d) All of the above

4. **The air inside the enclosure must be tested for**
 - a) oxygen content before and during the employee entrance
 - b) nitrogen content before and during the employee entrance
 - c) hydrogen content before and during the employee entrance
 - d) All of the above

5. **Inside air tests may be omitted if there is**
 - a) gas masks in place
 - b) enough escape doors accessible
 - c) forced-air ventilation in the space
 - d) Any of the above

6. **If the depth of the stored grain poses an engulfment hazard,**
 - a) work shall cease
 - b) all employees must wear a body harness with a lifeline
 - c) at least two workers shall work at the same time
 - d) All of the above

7. **Dust concentrations inside elevator leg casing must be kept**
- a) 15 per cent below the lower explosive limit during operation
 - b) 25 per cent below the lower explosive limit during operation
 - c) 35 per cent below the lower explosive limit during operation
 - d) 45 per cent below the lower explosive limit during operation
8. **A preventive maintenance program includes inspection of**
- a) dust collection equipment
 - b) grain stream processing equipment
 - c) bucket elevators
 - d) All of the above
9. **Housekeeping is an important part of any health program because**
- a) combustible material accumulates
 - b) non-combustible material accumulates
 - c) both a and b
 - d) None of the above
10. **Potential ignition sources must be removed or controlled when**
- a) compressed air is used to remove dust
 - b) high speed brooms are used to sweep dust
 - c) water is used to remove dust
 - d) Any of the above
11. **An emergency action plan does not have to be written if**
- a) there are less than 5 employees
 - b) there are less than 10 employees
 - c) there are less than 15 employees
 - d) there are less than 20 employees
12. **Employers planning for emergencies should seek the assistance of**
- a) employees with mechanical engineering experience
 - b) the local school nurse
 - c) the local fire department
 - d) All of the above
13. **The opening to the head pulley section and boot sections allows**
- a) for inspection
 - b) for maintenance
 - c) for cleaning
 - d) All of the above
14. **Belts inside bucket elevator legs shall have a surface**
- a) electrical resistance not exceeding 100 megohms
 - b) electrical resistance not exceeding 200 megohms
 - c) electrical resistance not exceeding 300 megohms
 - d) electrical resistance not exceeding 400 megohms

15. **When an accumulation of grain on the sides of the storage bins**
- a) exists, no employee may be within ten feet
 - b) exists, no employee may be within fifteen feet
 - c) exists, no employee may be within twenty feet
 - d) exists, no employee may enter the bins
16. **Beside oxygen deficiency, silos may contain**
- a) toxic gases
 - b) acid
 - c) poison
 - d) All of the above
17. **Hot work may not be performed**
- a) inside a silo
 - b) inside a bin
 - c) inside a tank
 - d) None of the above
18. **The acceptable oxygen level in a bin is**
- a) 15.5 per cent
 - b) 17.5 per cent
 - c) 19.5 per cent
 - d) 21.5 per cent
19. **Self-rescue efforts may be hindered for combustible gas**
- a) in excess of 10 per cent of the lower flammable limit
 - b) in excess of 15 per cent of the lower flammable limit
 - c) in excess of 20 per cent of the lower flammable limit
 - d) in excess of 25 per cent of the lower flammable limit
20. **Equipment should be lubricated according to the**
- a) owner's specification
 - b) manufacturer's specification
 - c) supervisor's specification
 - d) Any of the above

GEOGRAPHIC INFORMATION SYSTEMS
 GEOGRAPHIC INFORMATION CENTER
 PO BOX 5839
 MC ALLEN, TEXAS 78502-5839

1-800-522-0139
 kh@acnet.net
 Copyright 2010

*** ANSWER SHEET *** U304 OSHA GUIDELINES FOR GRAIN HANDLING	<u>STATE BOARD</u>	<u>COURSE NO.</u>	<u>VALUE</u>
			8 PDH
Office Use Only			

FILL IN ONE BOX FOR EACH ANSWER.

	A	B	C	D
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

I hereby certify that I studied the course materials, and the above answers are my own. No other person has helped me to complete this exam.

 Signature

 Date

 Printed or typed name

 Seal or Number

**GEOGRAPHIC INFORMATION SYSTEMS
GEOGRAPHIC INFORMATION CENTER
PO BOX 5839
MC ALLEN, TEXAS 78502-5839**

1-800-522-0139

**kh@acnet.net
Copyright 2010**

Name _____

Company _____

Address _____

City _____ **State** _____ **Zip** _____

Telephone _____ **E-Mail** _____

Fax _____ () **24-Hour Fax**

() **Yes** () **No** If fax and telephone are the same number, shall we call first?

Mail certificates to above address _____ **check address** _____ **envelope address** _____

State + Specialty + PE Registration number (i.e. TX EE 12389) _____

State + Professional Land Surveying registration number _____

NC (North Carolina) + Specialty + PE Registration number _____

NC (North Carolina) + Land Surveying Registration Number _____

Professional Affiliations _____

Return this page with your answer sheet and a check or money order For \$100 per course. Use one check for each registrant (in your company) taking one or more courses. We accept company checks (if they are your employer's). We do not accept third-party checks or checks outside of your city of residence. Using third-party checks that do not include your name or company name may invalidate your professional development hours being reviewed by an audit process. Add \$5 for same day processing and priority shipping.

Make checks or money orders payable to Geographic Information Systems.

