Pennsylvania Mining Laws
Diesel Regulations
Section 411 to Section 415

1. Fueling of diesel powered equipment must be made in the intake escapeway.

a. True
b. False

2. If the mine operator wishes to fuel diesel powered equipment in the intake escapeway, he must submit a plan to the department detailing that procedure. The matter shall be investigated by:

a. The district mine inspector
b. The district mine inspector and a member of mine safety's electrical department.
c. The diesel technical advisory committee
d. MSHA, upon request of the department

3. Diesel fuel and other combustible material shall be cleaned up and not be permitted to accumulate anywhere in the mine.

a. True
b. False

4. When diesel powered equipment is being used, there must be on hand at least two individuals that have been specially trained in the clean-up and disposal of diesel fuel spills.

a. True
b. False

5. All underground employees at any mine that utilizes diesel powered equipment shall be specially trained in fighting fires that involve diesel fuel.

a. True
b. False

6. The training of fighting diesel fuel fires shall be limited to those individuals in a mine that are in direct contact with diesel powered equipment.

a. True
b. False

7. All used intake air filters, exhaust diesel particulate matter filters and engine oil filters shall be:

a. Transported to the surface
b. Placed in their original containers and taken to the surface
c. Placed in their original containers or other suitable containers and taken to the surface
d. Placed in their original containers or other suitable enclosed containers and taken to the surface

8. Arrangements for the disposal of all used diesel filters after they have reached the surface shall be made:

a. Immediately
b. Within one week
c. Within one month
d. In a timely manner

9. Diesel powered equipment shall be maintained in _____ condition.

a. An approved
b. A safe
c. An approved and safe
d. Permissible

10. If a mine operator fails to comply with maintenance requirements for diesel powered equipment, the department may:

a. Shut down the affected piece of equipment
b. Require that the operator completely retrain all employees in the proper maintenance procedures for diesel equipment
c. Revoke the department's approval for the complete diesel package for that mine
d. Refer the matter to MSHA for special assessment

11. Upon receiving notification that the department intends to revoke the diesel approval package, the operator has _____ to submit a plan to achieve and maintain compliance.

a. 7 days
b. 15 days
c. 30 days
d. As much time as the notification specifies

12. Any MSHA qualified electrician is determined to be qualified to work on any diesel powered equipment.

a. True
b. False

13. Service and maintenance of approved complete diesel-powered equipment packages shall be performed according to:

a. The specified routine maintenance schedule
b. The onboard performance and maintenance diagnostics readings
c. The emissions test results
d. All of the above

14. For diesel powered equipment, a record shall be made of all:

a. Emissions tests
b. Pre-operational exams
c. Maintenance and repairs
d. All of the above
e. No written record is required, but all must be done before the equipment is put into operation

15. When a diesel repair technician performs any kind of test on the diesel powered equipment, he must certify that he did it by recording the date and time of the examination and any repairs that were made. He must also record the engine hour reading as part of his documentation.

a. True
b. False

16. When a record is made of an emissions test on a piece of diesel powered equipment, the technician can record a "Pass" or Fail" on his record.

a. True
b. False

17. Any record of any repairs made to diesel powered equipment must include:

a. Exactly what repairs were made
b. How much, if any, fluids were added or changed out
c. Any adjustment made to the piece of equipment
d. All of the above

18. Records of all pre-operational examinations shall be kept on file for at least:

a. One year
b. One month
c. The previous 100 hour maintenance cycle
d. At long as the department determines is necessary

19. Record of emission tests, 100 hour maintenance tests, and maintenance tests shall be countersigned by _____ at least _____.

a. Mine electrician, weekly
b. Mine foreman, weekly
c. Mine electrician or mine foreman, weekly
d. Mine foreman and mine electrician, weekly

20. All diesel maintenance records shall be kept on the surface for at least:

a. One week
b. One month
c. One year
d. Diesel maintenance records are not required to be kept on the surface.

21. All diesel repair records can be examined and reviewed by:

a. The Department
b. The miners
c. The miners' representatives
d. All of the above

22. Operators of diesel powered equipment must conduct an examination of their equipment:

a. Daily
b. Before the equipment is run on any shift
c. As part of a weekly examination
d. The maintenance department conducts the required examination.

23. When the operator of a piece of diesel powered equipment conducts his preoperational examination, he must verify that he had conducted the examination by detailing what he examined, and he must also sign the examination sheet.

a. True
b. False

24. When the operator of a diesel powered piece of equipment initially starts up his machine, there are other checks he must perform and verify in writing that the equipment is in safe operating condition.

a. True
b. False