

**\*\*\* EXAMINATION \*\*\***

**THE REGULATORY CHALLENGES OF DECOMMISSIONING NUCLEAR REACTORS**

1. **Which of the following facilities never ceases operation?**
  - a) A nuclear power plant
  - b) A fuel cycle facility
  - c) A nuclear research and test facility
  - d) All of the above eventually reach the end of their useful life.
  
2. **At the end of its useful life, a nuclear plant is:**
  - a) decommissioned
  - b) abandoned
  - c) left for the proper environmental group
  - d) None of the above
  
3. **Decommissioning may involve:**
  - a) strategic and financial planning
  - b) dismantling of plant and equipment
  - c) shipping radioactive waste to off-site disposal sites
  - d) All of the above
  
4. **The difference between decommissioning and normal operations is:**
  - a) radioactive waste is buried onsite
  - b) radioactive waste is recycled
  - c) the operator acts to render the facility permanently inoperable
  - d) All of the above
  
5. **The strategic plan for decommissioning is prepared:**
  - a) before the nuclear plant is built
  - b) while the nuclear plant is operating
  - c) during the construction of the nuclear plant
  - d) Any of the above
  
6. **An Environmental Impact Assessment is conducted:**
  - a) before decommissioning
  - b) after decommissioning
  - c) during decommissioning
  - d) None of the above

7. **Removal of fuel to a safe interim storage location is:**
  - a) an immediate post shutdown activity
  - b) a preparation for dismantlement
  - c) a part of dismantlement
  - d) a site remediation activity
  
8. **The final site survey is:**
  - a) an immediate post shutdown activity
  - b) a preparation for dismantlement
  - c) a part of dismantlement
  - d) a site remediation activity
  
9. **An environmental impact assessment is:**
  - a) an immediate post shutdown activity
  - b) a preparation for dismantlement
  - c) a part of dismantlement
  - d) a site remediation activity
  
10. **Shipping material to a waste disposal site is:**
  - a) an immediate post shutdown activity
  - b) a preparation for dismantlement
  - c) a part of dismantlement
  - d) a site remediation activity
  
11. **Decontamination of systems is:**
  - a) an immediate post shutdown activity
  - b) a preparation for dismantlement
  - c) a part of dismantlement
  - d) a site remediation activity
  
12. **Placing the facility in a safe and secure condition is:**
  - a) an immediate post shutdown activity
  - b) a preparation for dismantlement
  - c) a part of dismantlement
  - d) a site remediation activity
  
13. **Acceptable end state mandates the following be removed:**
  - a) water supplies
  - b) roads
  - c) rail lines
  - d) None of the above need to be removed
  
14. **Decommissioning should be:**
  - a) less than one year
  - b) less than two years
  - c) may require several years
  - d) less than six months

15. **The decommissioning staff:**
- a) should be exactly the same as the operational staff
  - b) should be at least half the size as the operational staff
  - c) should include personnel skilled in decommissioning
  - d) None of the above
16. **The formal notification of the final plant shutdown should be:**
- a) made to the regulatory body
  - b) made to the public
  - c) made both to the public and the regulatory body
  - d) kept quiet
17. **Spent fuel may be:**
- a) transported off-site
  - b) stored in a spent fuel pool
  - c) stored in special storage tanks at a separate facility
  - d) All of the above
18. **Requirements for an operating facility can be modified are:**
- a) insurance
  - b) emergency planning
  - c) worker training
  - d) All of the above
19. **Before decommissioning begins, security concerns require that:**
- a) all water is shut off
  - b) a thorough site survey is made
  - c) all electricity is shut off
  - d) all building are destroyed
20. **When no repository for disposing waste is available,**
- a) the waste should be stored until a repository is available
  - b) the waste should be burned
  - c) the waste should be chemically neutralized
  - d) Any of the above



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