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DEPARTMENT OF HEALTH SERVICES

DHS 157 Appendix J

Chapter DHS 157

APPENDIX J

Subjects to be Included in Training Courses for Well Logging Supervisors

I. Fundamentals of Radiation Safety

D.

- A. Characteristics of radiation
- B. Units of radiation dose and quantity of radioactivity
- C. Significance of radiation dose and hazards of exposure to radiation
 - 1. Radiation protection standards
 - 2. Biological effects of radiation dose
 - Levels of radiation from sources of radiation
- E. Methods of minimizing radiation dose
 - 1. Working time
 - 2. Working distances
 - 3. Shielding
- F. Radiation safety practices including prevention of contamination and methods of decontamination
- II. Radiation Detection Instrumentation to be Used
 - A. Use of radiation survey instruments
 - 1. Operation
 - 2. Calibration
 - 3. Limitations
 - B. Survey techniques
 - C. Use of personnel monitoring equipment
- III. Equipment to be Used
 - A. Handling equipment
 - B. Sources of radiation
 - C. Storage and control of equipment
 - D. Operation and control of equipment
- IV. The Requirements of Pertinent Federal and State Regulations
- V. The Licensee's or Registrant's Written Operating and Emergency Procedures
- VI. The Licensee's or Registrant's Record Keeping Procedures
- VII. Case histories of well logging accidents