Chapter DHS 157

APPENDIX J

Subjects to be Included in Training Courses for Well Logging Supervisors

I. Fundamentals of Radiation Safety
   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
   D. 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