

CHAPTER 5 APPRAISAL PROGRAMS

5.1 FIRE PROTECTION SELF-SURVEY FACILITY APPRAISALS

5.1.1 Basis

- A. Fire Protection facility appraisals shall be performed on each facility based on the following frequencies:
 - 1. Annual appraisals shall be made of facilities plus equipment valued at \$50 million or more or where classified as a moderate or high hazard facility per DOE 5480.1b, "Environment, Safety, and Health Program for Department of Energy Operations."
 - 2. Appraisals shall be made at least every two years of facilities plus equipment valued at \$10 million to \$50 million.
 - 3. Appraisals shall be made at least every three years of facilities plus equipment valued less than \$10 million.

5.1.2 Appraisal Report Content

- A. Appraisal findings shall be placed into a tracking system, with the expected completion date, until resolved.
- B. The appraisal report shall address the following items:
 - 1. Fire protection of safety class systems
 - 2. Life safety
 - 3. Vital programs
 - 4. Fire protection of high value property
 - 5. Inspection, testing, and maintenance reports
 - 6. Suppression equipment
 - 7. Water runoff
 - 8. Prefire plans

9. Fire apparatus accessibility
10. Administrative controls
11. Temporary protection and compensatory measures
12. Completeness of fire hazards analysis
13. Fire barrier integrity
14. Fire loss potentials (Maximum Credible & Maximum Possible)
15. Suppression system and water supplies tests
16. Maintenance procedures for maintaining systems
17. Status of findings from previous surveys
18. New findings resulting from the current survey

5.1.3 Frequency

- A. Based on the above criteria, the appraisal frequency required for the site facilities can be found in Appendix A, Table 7, "Self-Appraisal Frequencies."

5.2 FIRE PROTECTION PROGRAM APPRAISALS

5.2.1 An annual appraisal shall be performed of the Fire Protection Program which evaluates the following areas as a minimum:

- A. Comprehensiveness of the fire protection program
- B. Procedures for engineering design and review
- C. Procedures for maintenance, testing, and inspection of fire protection equipment and systems, including water supplies
- D. Fire protection engineering staff (number, qualifications, training)
- E. Fire suppression organization (personnel and training)

- F. Fire suppression mutual-aid agreements
- G. Management support
- H. Exemptions and documented equivalencies
- I. Inspection, testing, and maintenance reports
- J. Adequacy of facility appraisal reports
- K. Administrative controls
- L. Temporary protection and compensatory measures
- M. Status of previous appraisal findings
- N. New appraisal findings

5.3 LIFE SAFETY CODE EVALUATIONS

5.31 "Life Safety Code" evaluations shall be conducted for all facilities. The evaluations will be included in the fire protection, self-survey facility appraisals or completed as a separate report. The following areas will be addressed (as they apply to the occupancy) when performing the evaluations:

- A. Exit capacity
- B. Exit enclosures and discharge
- C. Arrangement of exits
- D. Travel distance to exits and common path of travel
- E. Deadend corridors
- F. Exit markings and illumination
- G. Emergency lighting
- H. Protection for special and high hazard areas

- I. Vertical openings/penetrations
- J. Fire alarm systems
- K. Interior finish
- L. Security/Locking arrangements