barrier offering substantial penetration resistance. The physical barrier at the perimeter of the protected area must be as defined in § 73.2. Isolation zones, typically 20 feet wide each, on both sides of this barrier must be provided to facilitate assessment. The barrier offering substantial resistance to penetration may be provided by an approved storage cask or building walls such as those of a reactor or fuel storage building. Other suitable measures to provide the barrier may be acceptable, if approved by the NRC on a case by case basis.

(2) A means of illumination must be provided sufficient to permit assessment of unauthorized penetration of or activities within the protected area and associated isolation zones.

(3) The perimeter of the protected area must be subject to continual surveillance and be protected by an intrusion detection system with provisions for redundant monitoring of the system. The detection and surveillance systems must be monitored in a continuously staffed alarm station, not necessarily located within the protected area, and in one redundant location.

(4) The protected area must be monitored by random patrols of a frequency not less than once every 8 hours.

(5) A security organization, with written procedures, must be established. The security organization must include a minimum of two watchmen per shift to provide for monitoring of detection and surveillance systems and for communications with a designated response force or local law enforcement agencies (LLEA) in the event of detection of unauthorized penetration or activities. Members of the security organization shall be trained, equipped, and qualified in accordance with the applicable provisions of appendix B to this part.

(6) Documented liaison with a designated response force or LLEA must be established to permit response to unauthorized penetration or activities.

(7) Screening must be conducted before granting an individual unescorted access to the protected area to obtain information on which to base a decision to permit such access. Screening should typically include a criminal history check, a previous employment check, and two personal reference checks.

(8) A controlled personnel identification and lock system must be established and maintained to limit access to the protected area to individuals authorized unescorted access or escorted individuals who have been approved for such access.

(9) All escorted individuals to the protected area must be under the constant escort of an individual who has been authorized unescorted access to the protected area.

(10) Redundant communications capability must be provided between the security organization and designated response force or LLEA.

(11) All individuals, vehicles, and hand-carried packages entering the protected area must be checked for proper authorization and searched for explosives before entry.

(12) Written response procedures must be established and maintained for addressing unauthorized penetration of or activities within the protected area including Category 5, Procedures, of appendix C to part 73. The licensee shall retain a copy of the response procedures as a record for 3 years or until termination of the license for which the procedures were developed. Copies of superseded material must be retained for 3 years after each change or until termination of the license.

(13) All detection and surveillance systems and supporting subsystems must be tamper-indicating with line supervision and be maintained in operable condition. Compensatory measures must be taken during periods of inoperability.

(14) The security program must be reviewed once every 24 months by individuals independent of both security program management and personnel who have direct responsibility for implementation of the security program. The security program review must include an evaluation of the effectiveness of the physical security system and a verification of the liaison established with the designated response force or LLEA.

(15) The following documentation must be retained as a record for 3 years after the record is made or until termination of the license. Duplicate records to those required under § 73.71 need not be retained under the requirements of this section:

(i) A log of individuals granted access to the protected area;

(ii) Screening records of individuals granted unescorted access to the protected area;

(iii) A log of routine patrols;

(iv) A record of each alarm received identifying the type of alarm, location, date and time when received, and disposition of the alarm; and

(v) The security program review reports.

(e) *Exception.* The physical protection system for the underground facility of a

geologic repository operations area must meet the performance capabilities of paragraph (b) of this section, but need not include the specific measures set out in paragraph (d) of this section provided that access is controlled at the underground facility entry points.

14. In § 73.71, paragraphs (b)(1) and (c)(1) are revised to read as follows:

## §73.71 Reporting of safeguards events.

(b)(1) Each licensee subject to the provisions of §§ 73.20, 73.37, 73.50, 73.51, 73.55, 73.60, or 73.67 shall notify the NRC Operations Center within 1 hour of discovery of the safeguards events described in paragraph I(a)(1) of appendix G to this part. Licensees subject to the provisions of §§ 73.20, 73.37, 73.50, 73.51, 73.55, 73.60, or each licensee possessing strategic special nuclear material (SSNM) and subject to §73.67(d) shall notify the NRC Operations Center within 1 hour after the discovery of the safeguards events described in paragraphs I(a)(2), (a)(3), (b), and (c) of appendix G to this part. Licensees subject to the provisions of §§ 73.20, 73.37, 73.50, 73.51, 73.55, or 73.60 shall notify the NRC Operations Center within 1 hour after discovery of the safeguards events described in paragraph I(d) of appendix G to this part. \*

(c)(1) Each licensee subject to the provisions of §§ 73.20, 73.37, 73.50, 73.51, 73.55, 73.60, or each licensee possessing SSNM and subject to the provisions of § 73.67(d) shall maintain a current log and record the safeguards events described in paragraphs II (a) and (b) of appendix G to this part within 24 hours of discovery by a licensee employee or member of the licensee's contract security organization. The licensee shall retain the log of events recorded under this section as a record for 3 years after the last entry is made in each log or until termination of the license.

\* \* \* \*

## PART 75—SAFEGUARDS ON NUCLEAR MATERIAL-IMPLEMENTATION OF US/IAEA AGREEMENT

15. The authority citation for part 75 continues to read as follows:

Authority: Secs. 53, 63, 103, 104, 122, 161, 68 Stat. 930, 932, 936, 937, 939, 948, as amended (42 U.S.C. 2073, 2093, 2133, 2134, 2152, 2201); sec. 201, 88 Stat. 1242, as amended (42 U.S.C. 5841).

Section 75.4 also issued under secs. 135, 141, Pub. L. 97–425, 96 Stat. 2232, 2241 (42 U.S.C. 10155, 10161).