

APPENDIX A  
TO FACILITY LICENSE NO. R-65  
TECHNICAL SPECIFICATIONS  
CHANGE NO. 1  
ARMY MATERIALS AND MECHANICS RESEARCH CENTER  
DOCKET NO. 50-47

DATE: April 3, 1971

1. SITE

a. Plant Area

The plant area is defined as the area within the reactor containment shell.

b. Principal Activities

The principal activities to be carried on within the plant area shall be maintenance and surveillance programs. The Atomic Energy Commission's Division of Reactor Licensing shall be notified in advance of any other use.

c. Physical Security

Access to the plant area shall only be via the two airlocks. The outer doors of the airlocks shall be locked and the key retained by the Intelligence and Security Branch (ISB). The inner doors shall be monitored continuously for opening by an alarm at the main office of the ISB. The Facility Supervisor will maintain a list of personnel at the ISB office who are authorized access to the facility. When an authorized person desires to enter the plant area he must:

- (1) Sign out a key at the ISB office; and
- (2) Clear entry by telephone with the ISB (ISB will log the entry) just prior to opening the inner door.

When the authorized person is leaving the plant area, he must:

- (1) Notify the ISB, by telephone, after the outer door has been secured; and

- (2) Return the key promptly to the ISB office.

Instructions for entry shall be posted at the airlocks by the Facility Supervisor.

Upon receipt of an alarm caused by an unauthorized opening, the Security Police shall immediately investigate the facility. Persons apprehended will be held and the Facility Supervisor notified.

## 2. ADMINISTRATIVE AND PROCEDURAL REQUIREMENTS

### a. General

Figure 1 depicts the line organization and the general responsibilities.

Activities involving access to the plant area and use of any area or installed equipment shall be performed under the direction of the designated Facility Supervisor who has the responsibility and commensurate authority to maintain the facility in a safe and secure condition at all times. The Facility Supervisor shall utilize the resources of other AMMRC personnel as necessary to provide an effective safety program.

### b. Review and Audit

- (1) Written procedures for control or access to the plant area, use of plant area, facilities and equipment and periodic inspection of the facility shall be established and approved by the Director.
- (2) Written procedures specified in b(1) above shall be reviewed by the Reactor Safeguards Committee (RSC) in accordance with a written charter for that function.
- (3) The RSC shall semiannually audit activities performed in the plant area to verify that effective safety and radiological control practices are maintained.

## 3. HEALTH AND SAFETY

### a. Radiation Monitoring

Radiation monitoring instruments and dosimetry devices shall be available and used in accordance with procedural requirements.

A general radiation survey, including smears, shall be performed monthly by the Radiation and Occupational Safety Branch (ROSB).

b. Removal of Materials and Equipment

As a radiation and contamination control measure, all materials and equipment removed from the plant area shall be monitored and released in accordance with AMMRC procedures and in compliance with the standards of 10 CFR Part 20, by the ROSB.

4. MAINTENANCE

a. Heating and Ventilating System

The Post Engineering Branch (PEB) shall perform the following activities:

- (1) A weekly visual inspection.
- (2) A monthly check of all equipment in accordance with a written checklist.

b. Cathodic Protection System

The PEB shall read, record and evaluate voltage and current readings of the cathodic protection system quarterly. The effectiveness of the system shall be checked, using a half-cell, semiannually.

c. Fire Fighting Equipment

The PEB shall check and maintain fire extinguishers in the plant area monthly. The PEB shall maintain the fire hoses.

d. Fire Alarm System

The PEB shall have an operability check of the fire alarm system performed semiannually.

5. RECORDS

In addition to those records required by applicable AEC regulations, including Section 20.401 of 10 CFR Part 20, the AMMRC shall keep the following records:

- a. Records of principal maintenance activities and equipment surveillance.
- b. Records of inspections of the deactivated facility.
- c. Records showing radioactive releases or discharges to the air or water beyond the effective control of the AMMRC as measured at the point of such release or discharge.

6. REPORTS

In addition to the reporting requirements of applicable AEC regulations, and in no way substituting therefor, reports shall be submitted to the AEC as follows:

A prompt report (by telephone or telegraph to the Director, AEC Region I Compliance Office) and a report within 10 days (in writing to the Director, Division of Reactor Licensing, USAEC, Washington, D. C. 20545) of any indication or occurrence of a possible unsafe condition relating to the facility or to facility personnel or the public.

SURVEILLANCE  
MAINTENANCE & SECURITY

MANAGEMENT

REVIEW AND AUDIT

DIRECTOR

ADMINISTRATIVE  
DIVISION

FACILITY  
SUPERVISOR

REACTOR SAFEGUARDS  
COMMITTEE

RADIATION & OCCUPATIONAL  
SAFETY BRANCH

POST ENGINEERING  
BRANCH

INTELLIGENCE & SECURITY  
BRANCH

Figure 1