HEALTH-SAFETY PROCEDURES FOR MAINTENANCE, SUPERVISORY, & ENGINEERING PERSONNEL

1. Before entering the nuclear department obtain identification and film badges from guard station.

2. Proceed through the clean corridor and don a shop coat and pair of rubbers before entering the contaminated area.

3. Persons entering and leaving the contaminated area frequently will use the rubbers which are in the rack inside the door and shop coats which are hanging on the pipe rack inside the door.

4. Other persons will use rubbers and coats which are available outside the door and put them on before entering.

5. Eating or gum chewing inside the contaminated area is not permissible.

6. Smoking is permitted only in the change room after hands have been thoroughly washed.

7. Upon leaving the contaminated area, rubbers and coats are to be removed and placed in designated racks. Do not step in blue area near door while wearing rubbers since this is maintained as a clean area.

8. Hands are to be washed upon leaving the nuclear area.

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HEALTH-SAFETY PROCEDURES FOR PERSONNEL OF NUCLEAR DEPARTMENT

1. Enter locker room after picking up identification and film badges from guard station.

2. Remove outer clothing including shoes and socks and don clean coveralls and paper slippers.

3. Proceed into change room with paper slippers and put on safety shoes.

4. Before lunch, enter change room, remove coveralls, shoes and socks, and wash hands and face thoroughly.

5. Don paper slippers and proceed to locker room to put on street clothes.

6. Leave both badges with guard when leaving to enter cafeteria.

7. After lunch, pick up badges from guard and proceed to locker room to remove street clothes.

8. Repeat the same procedure as far as donning work clothes is concerned.

9. At the end of the day, enter change room and remove shoes, socks, and coveralls. Place shoes in rack and socks and coveralls in laundry cart. Remove badges from coveralls before disposing.

10. Don paper slippers and proceed to locker room to remove underwear. Do not sit on benches in change room while wearing only underwear. Bring badges into locker room.

11. Enter shower room and shower, washing thoroughly.

12. After showering, enter locker room and don street clothes.

13. All personnel will be checked prior to leaving with a counter to be sure that decontamination has been complete.

14. Leave both badges with guard before leaving plant.

GENERAL RULES

1. No food or beverages are to be brought into contaminated areas. (This includes locker room) Lunches are to be left in the cafeteria in cabinets which have been provided.

2. Chewing gum and salves (lip-ice, etc.) are not to be used anywhere in the nuclear area.

3. Smoking is allowed in the change room only after hands have been thoroughly washed. All smoking is permitted at the discretion of the foreman. There will be absolutely no smoking in the back yard or on the shipping deck.

4. Coffee breaks will be held once in the morning and once in the afternoon. No one is to drink anything until hands have been thoroughly washed.

5. All personnel needing first aid treatment will apply at the Health & Safety office after first notifying the foreman. When necessary, the person needing help will be taken to the first aid room after contaminated clothing has been removed.

6. No one is to leave the nuclear area for any reason while wearing contaminated clothing. This includes the entering of the partitioned area through the side door.

7. The following areas are restricted to the personnel working in them and are not to be entered except by special permission of the supervisor in charge:

    1. X-ray and Darkroom.
    2. Laundry
    3. Cages and Vaults

8. A violation of any of the above regulations will be reported in writing to the manager of the appropriate department. This will be followed by a formal written statement to the ersonnel Manager describing the violation. The Personnel Manager will then issue a warning notice to the employee advising of future penalties, including possible discharge, if violations continue.

9. These regulations are put into effect solely for the purpose of protecting each individual employee from possible harm due to working with radioactive materials. Proper observance of these health-safety rules will assure that no injurious effects will result. Your cooperation is required.

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ENGELHARD INDUSTRIES, INCORPORATED
D. E. MAKEPEACE DIVISION
PLAINVILLE, MASS.

EMERGENCY EVACUATION PROCEDURE (PLAINVILLE PLANT)

1. When alarm sounds, all personnel will immediately evacuate the area by the nearest exit.

2. Personnel working at the rear of the nuclear department will leave by the door at the southwest corner near the vapor blast and congregate in the rear yard to await instructions by HP personnel.

3. Personnel working toward the front and middle of the nuclear area will leave either by the door leading to the change room or the door leading to the corridor.

4. People exiting through either change room or corridor will proceed in an orderly fashion through the corridor past the guard station and out into the front of the building to await instructions.

5. People in the partitioned area and form rool department will exit through the doors at the north and west ends of the building and congregate at the parking lot to await instructions.

6. No one is to leave or enter the nuclear area through the door on the north wall nearest to the partitioned area.

7. As soon as the building has been completely evacuated, health-physics personnel will monitor all personnel to segregate those who may have received radiation exposures. Monitoring will be done both on the person and film badge (containing In foil) with portable survey instruments.

8. When personnel monitoring has been completed, persons receiving significant exposures will be taken to Sturdy Hospital for medical attention.

9. H-P personnel will then don protective clothing and enter the area to determine the location and extent of the radiation source with survey instruments.

10. As soon as possible, the HP officer will notify the New York Operations Office of the incident and request the aid of the emergency monitoring team. (Major Emergency Only)

11. The HP officer will inform the plant manager as to the extent of damage in order that the press and radio may be informed so as to avoid misinformation which might be spread to the community.

12. When the radiation source has been located, monitoring will be done with survey instruments until the radiation level is low enough so that personnel may approach safely.

13. Depending on the source of radiation, appropriate measures will be taken to eliminate the condition (protective shielding, neutron absorption materials, removal of moderating material, replacement into always safe containers).

EMERGENCY EVACUATION PROCEDURE (CONT.)

14. As soon as the radiation has ceased, sulfur tablets located on walls will be removed and sent out to be counted as a means of determining neutron dosage evolved.

15. Chicago Operations Office will be informed as to the extent of damage and the procedures being followed.

16. No one except H-P personnel will be allowed in the area until monitoring has been completed and the area found to be safe from radiation.

17. Air samples will be taken downwind and crosswind from the source of radiation to determine whether a major dispersion of radiation has been achieved.

18. Decontamination procedures will be put into effect under the supervision of H-P personnel in order to prevent the spread of contamination to clean areas.

19. Immediate and 24 hour urine samples will be taken from those persons thought to have received exposures and anyone else desiring them.

20. A complete report of the incident and subsequent activities will be made by the H-P officer and submitted to both state and AEC authorities as soon as possible after the incident.