

LIFE SAFETY

1.0 Objective

The objective of this surveillance is for the Facility Representative or Environmental, Safety, and Health Support Specialist to verify that conditions in the plant provide an appropriate margin of safety for workers conducting operations at the laboratory. The surveillance also helps the Facility Representative or Environmental, Safety, and Health Support Specialist evaluate the degree of compliance on the laboratory's part with selected DOE standards.

2.0 References

- 2.1 DOE O 420.1, *Facility Safety*
- 2.2 DOE O 440.1A, *Worker Protection Management for DOE Federal and Contractor Employees*
- 2.3 29 CFR 1910.37, *Means of Egress*
- 2.4 NFPA 101, *Life Safety Code*

3.0 Surveillance Activities

The surveillance activities include walkthroughs of the laboratory, examination of testing and inspection records, and observations of a fire drill to evaluate laboratory response. The individual activities provide a basis for ensuring that employees can be warned of dangerous conditions and can exit the laboratory safely under emergency conditions.

Activity 1 - Laboratory walkdown of emergency exits and emergency lights.

Activity 2 - Review records of tests of equipment.

Activity 3 - Observe facility fire drill.

**Surveillance Guideline
LIFE SAFETY**

Surveillance No.: _____

Facility: _____

Date Completed: _____

YES NO N/A

Activity 1 - Walkdown of Emergency Exits

- | | | | | |
|----|--|-------|-------|-------|
| 1. | Are emergency exits clearly labelled with readily visible signs? | _____ | _____ | _____ |
| 2. | Is access to each emergency exit marked by readily visible signs that point towards the exit wherever the direction of travel to reach the nearest exit may not be immediately apparent? | _____ | _____ | _____ |
| 3. | Are doors, passages, or stairways which are not exits or do not provide access to exits identified by prominent signs, indicating that they are not exits or serve some other function? | _____ | _____ | _____ |
| 4. | Are emergency exits unobstructed by furniture, clutter, furnishings, etc.? | _____ | _____ | _____ |
| 5. | Do emergency exits open freely and easily? | _____ | _____ | _____ |

NOTE

If emergency exits are alarmed, request the Facility Manager demonstrate doors open freely and easily.

- | | | | | |
|----|---|-------|-------|-------|
| 6. | If an emergency exit is from a stairwell, is the stairwell sealed to prevent smoke intrusion? | _____ | _____ | _____ |
|----|---|-------|-------|-------|

**Surveillance Guideline
 LIFE SAFETY**

	<u>YES</u>	<u>NO</u>	<u>N/A</u>
7. For emergency exits from stairwells, are the stairwells free from holes or penetrations that might permit smoke intrusion?	_____	_____	_____
8. Is sufficient emergency lighting provided to illuminate the emergency exit and access to the emergency exit in the event of a loss of power?	_____	_____	_____
9. Is the exterior access from the emergency exit unobstructed by construction, equipment, or potential snow and ice?	_____	_____	_____

Activity 2 - Review Records of Tests of Equipment

10. Is the testing of the emergency lighting and emergency notification system current with technical safety requirements or other administrative requirements?	_____	_____	_____
11. Are tests conducted in accordance with a written procedure?	_____	_____	_____
12. Are data sheets for tests complete and signed?	_____	_____	_____
13. Does testing for emergency lighting ensure that lights will provide the required illumination for the required period of time?	_____	_____	_____
14. If there are areas where the emergency notification system is not audible, have alternate provisions been made to notify personnel of an emergency?	_____	_____	_____

Activity 3 - Observe Facility Fire Drill

15. Do facility personnel quickly exit the facility through approved fire exits?	_____	_____	_____
16. Are radiological protection technicians available to survey personnel for contamination?	_____	_____	_____
17. Do facility personnel move to a safe assembly area?	_____	_____	_____

18. Is a system used to establish accountability for all facility occupants and visitors? _____

**Surveillance Guideline
LIFE SAFETY**

19. If any personnel are unaccounted for, do emergency response personnel perform "sweeps" of the facility to locate these personnel? _____

20. Is the emergency notification system audible throughout the facility? _____

21. If visual alarms are installed in high ambient noise areas, do they perform as intended? _____

OTHER:

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

NOTES/COMMENTS:

**Surveillance Guideline
LIFE SAFETY**

PERSONNEL CONTACTED: _____

**IF MORE SPACE IS NEEDED FOR FINDINGS, OBSERVATIONS, AND FOLLOWUP
ITEMS - USE ADDITIONAL SHEETS**

FINDINGS:

Finding No.: _____

Description: _____

Finding No.: _____

Description: _____

Surveillance Guideline
LIFE SAFETY

Finding No.: _____

Description: _____

OBSERVATIONS:

Observation No.: _____

Description: _____

Observation No.: _____

Description: _____

Surveillance Guideline
LIFE SAFETY

Observation No.: _____

Description: _____

FOLLOWUP ITEMS:

Followup Item No.: _____

Description: _____

Followup Item No.: _____

Description: _____

Surveillance Guideline
LIFE SAFETY

Followup Item No.: _____

Description: _____

LABORATORY MANAGEMENT DEBRIEFED AND RESULTS: _____

Signature: _____ Date: _____

Facility Representative or
Environmental, Safety, and Health Support Specialist