



# Fire Protection System Impairments (Red Tag)

Environmental Health and Safety



## I. Purpose and Goal

This program is based on the FM Global Fire Protection Impairment Management Data Sheet 10-7 and provides guidance on managing the impairments to fire protection systems that automatically or manually discharge fire extinguishing agents (e.g., water, foam, gaseous, or dry



- c. Red eTag website (<https://redetag.fmglobal.com>) or
    - d. Other equivalent and effective means.
  - ii. The site index number
    - a. Evanston Campus 064224.02-
    - b. Sports Campus (Trienens, We Ryan Arena, Anderson Hall, and Ryan Field) 003137.601
    - c. Chicago Campus 064470.07.

- N. Have someone assigned to respond to or stand by the impaired fire pump or closed valve so it can be started/opened immediately in an emergency.
- O. Communicate the impairment to all affected employees along with actions and precautions they may need to take.

## VI. During an Impairment

- A. Monitor the recommended actions outlined in Section V throughout the duration of the impairment.
- B. If conditions change or the duration/scope of the impairment needs to be extended, review the items in Section V again.
- C. In the case of an unplanned impairment, stabilize the situation and immediately follow the precautions and notifications in Section V.

## VII. After an Impairment

- A. Restore fire protection equipment to full automatic service as soon as possible.
- B. Complete any required/necessary testing to ensure the system is fully functional.
- C. If work was done on automatic sprinkler protection, perform a drain test on the downstream piping.

## X. Recordkeeping

- A. Facilities Operations is responsible for maintaining all completed Red Tag Permits.
- B. Submit all completed Red Tag Permits to:
  - i. Evanston Campus: Technology Institute room NB02
  - ii. Chicago Campus: Wieboldt Hall room B049
- C. Completed Red Tag Permits must be retained on file for at least one year.

## Appendix 1 – FM Global Red Tag Permit System

- A. Obtain and complete a Red Tag Permit from Facilities Operations:
  - i. Evanston Campus: Technology Institute room NB02
  - ii. Chicago Campus: Wieboldt Hall room B049
- B. Completing the FM Global Red Tag Permit System
  - i. Part 1 of the tag can be kept by the person responsible or the person who authorized the impairment, so that they in turn can confirm and ensure that all valves have been fully reopened when the fire protection is restored to service.
  - ii. Give Parts 2 and 3 of the permit to the person assigned to close the sprinkler control valve and ensure they count the number of turns it took to close this valve. This is done so that, when facility personnel are reopening this valve (when work is completed), they can ensure the valve is completely reopened the same number of turns it took to close. The tag must be attached to the closed valve so anyone walking by will see that the fire protection is impaired.  
DO NOT LOCK ANY CLOSED SPRI.