

## **SECTION 01 73 06**

### **UTILITY INTERRUPTION – FIRE PROTECTION SYSTEMS**

#### **PART 1 - GENERAL**

##### **1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

##### **1.2 SUMMARY**

- A. Section includes administrative and procedural requirements governing the shutdown of fire protection systems for proper notification of all impacted by shutdown.
- B. Contractor to complete attached outage request and submit to university project manager.
- C. Outage requests must be submitted in advance per the time periods identified on attached form.

#### **PART 2 - PRODUCTS (Not Used)**

#### **PART 3 - EXECUTION**

##### **3.1 COORDINATION**

- A. University staff will coordinate and announce internally to all impacted areas.
- B. Contractor & Subcontractors requesting outages must be present at specified time identified in approved outage request to initiate the start of outage. If contractors are not present, outage may be postponed.
- C. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

**END OF SECTION 01 73 06**

## **University of Colorado Denver Fire Protection System Impairment Request Form**

(See instructions and additional information on pages 2 & 3)

All impairments, as a result of preplanned or emergency conditions, shall be inspected prior to generating the request to evaluate affected and unaffected areas. CU Project Manager, Fire & Life Safety, or BMO Rep. will submit this form.

### **IMPAIRMENT LOCATION/CONTACTS:**

Project Location: \_\_\_\_\_

Permit# or PN#: \_\_\_\_\_ (Mark "N/A" if work is done in house)

Requestor-UCD PM or BMO Supervisor: \_\_\_\_\_

Email Address: \_\_\_\_\_ Mobile #: \_\_\_\_\_

Contractor: \_\_\_\_\_ Office #: \_\_\_\_\_

Jobsite Supervisor Name: \_\_\_\_\_ Mobile #: \_\_\_\_\_

Fire Alarm/Sprinkler Contractor: \_\_\_\_\_ Mobile #: \_\_\_\_\_ **PRE-PLANNED**

### **IMPAIRMENT:**

Date(s): \_\_\_\_\_ to \_\_\_\_\_ Fire Protection System Test? Yes ( ) No ( )

Time(s): \_\_\_\_\_ to \_\_\_\_\_ Outside normal hours? Yes ( ) No ( )

Fire Protection system devices to be added/deleted/moved? Yes ( ) No ( )

### **IMPAIRMENT DETAILS:**

Device(s)/Component(s)/Function(s) to be impaired:

Reason for impairment (work being performed):

Method of fire alarm impairment(s): (To be completed by Fire & Life Safety prior to Approval)

Method of fire suppression impairment(s): (To be completed by Fire & Life Safety prior to Approval)

Fire watch to be employed? Yes ( ) No ( )

### **EMERGENCY IMPAIRMENT:**

Describe emergency:

### **COMMENTS:**

### **GENERAL INSTRUCTIONS**

This form shall be used anytime a fire protection system (alarm or suppression), or portion thereof, is impaired as a result of pre-planned or emergency conditions, or if these systems could be impacted by dust or other adverse conditions related to construction activities. This form must be submitted and distributed by the responsible CU Project Manager (PM), CU BMO Supervisor, CU Fire & Life Safety, or other CU representative.

1. All pre-planned impairments to be done between the hours of 6:00 AM and 3:30 PM, Monday through Friday, unless requestor has made prior arrangements with the Fire and Life Safety Supervisor. (**Anschutz Campus**), Facilities Management. (**Denver Campus**).
2. Impairment requests for non-testing must be submitted by e-mail before 12:00 PM of the business day prior to the date of the requested impairment.
3. Impairment requests for testing must be submitted by e-mail before 12:00 PM two business days prior to the date of the requested impairment.
4. If there is a special hazard system in the area of the requested impairment (computer room, FM 200 System, etc.) it is the responsibility of the person requesting the impairment to have that system disabled by the owner of the system before starting work and enabling the system after completing work.
5. If system additions are made, ensure that devices are labeled accordingly with 8-digit addresses to ensure all field devices coincide with Fire Alarm Control Panel and Graphic Map.
6. **Noise related testing must be completed between 5:00am to 7:00am.**

**SEND COMPLETED OUTAGE REQUEST FORMS TO APPROPRIATE FIRE & LIFE SAFETY  
(ANSCHUTZ), FACILITIES MANAGEMENT(DENVER) FOR APPROVAL**

**Anschutz Medical Campus**

[AMCFIRESYSTEMOUTAGE@UCDENVER.EDU](mailto:AMCFIRESYSTEMOUTAGE@UCDENVER.EDU)

**Denver Campus**

[DDCFIRESYSTEMOUTAGE@UCDENVER.EDU](mailto:DDCFIRESYSTEMOUTAGE@UCDENVER.EDU)

**ADDITIONAL INFORMATION**

Steps for **FIRE ALARM / FIRE SPRINKLER** impairment:

1. **IMPAIRMENT LOCATION/CONTACTS:** Use placard information outside room and complete all contact information, input N/A if doesn't apply
2. **PRE-PLANNED IMPAIRMENT:** Refer to general instructions above for guidelines
3. **IMPAIRMENT DETAILS:** Locate devices in your area of work and input 8-digit address located on devices; provide details of work being performed. The rest will be completed by FLS.
4. **EMERGENCY IMPAIRMENT:** In the case of an emergency, FLS will assist with completing impairment. FLS is always available to assist immediately; you can find our information on page 3.

Steps for **FIRE ALARM** impairment throughout a project:

1. **Demo Impairment for Fire Alarm:** The intent of this impairment is for the fire alarm contractor to come in before the demo crew to safe off the existing system (existing wiring and devices). Then remove (deprogram) smoke detection, pull stations, speakers, strobes, etc.... leave minimal notification coverage and install temporary heat detection at the deck if the sprinkler system is going to be drained.
2. **General Impairment for Fire Alarm:** The intent of this impairment is to support meetings, emergencies caused by construction activity, job walks to discuss existing, or additional support that cannot be provided by the GC.
3. **Tie-in / Program Impairment for Fire Alarm:** Project is almost complete; fire alarm contractor has passed the overhead inspection and the space has flooring and painting complete just working on final touches. Fire alarm contractor will come in and start connecting to the building system and program new devices. (This requires a lot of our time so we would prefer you narrow down the time as best as possible or provide details on the outage for your duration and in addition, give us a 12 – 24 hr. call before arrival so that we can adjust our schedules to support if the impairment is longer than a week.)
4. **Pre-Test / Final Impairment Fire Alarm:** These can be combined if the pre-test and final are within the same week otherwise we prefer separate impairments for each test.
  - a. Typically combined with the fire sprinkler test.

Steps for **FIRE SPRINKLER** impairment throughout a project:

1. **Demo Impairment for Fire Sprinkler:** Upon completion of demo impairment for fire alarm and confirmation of temporary heat detection, the sprinkler contractor with support from our fluid group can drain down system.
2. **Re-Fill Impairment for Fire Sprinkler:** Project is almost complete; sprinkler contractor has passed the overhead inspection. Sprinkler contractor, with support from our fluid group, can then re-fill system.
3. **Pre-Test / Final Impairment Fire Sprinkler:** These can be combined if the pre-test and final are within the same week otherwise we prefer separate impairments for each test.
  - a. Typically combined with the fire alarm test.

## **SYSTEM RESTORATION**

### **Anschutz Medical Campus:**

All fire protection system restorations shall be validated by the CU Fire & Life Safety for all affected impairments. Fire & Life Safety Supervisor and/or Campus Fire Marshall shall communicate applicable system restorations with local fire department and FM Global, as applicable to each impairment.

### **Denver Campus:**

All fire protection system restorations shall be validated by Facilities Management and/or Code Official (possibly DFD) for all affected impairments and shall be communicated with local fire department and FM Global, as applicable to each impairment.

## **QUESTIONS AND CONTACTS**

### **ANSCHUTZ MEDICAL CAMPUS FIRE & LIFE SAFETY:**

Duxton Milam, Campus Fire Marshal: Mobile (720) 641-4490 Email: [DUXTON.MILAM@CUANSCHUTZ.EDU](mailto:DUXTON.MILAM@CUANSCHUTZ.EDU)

Mitch Brochu, Fire Alarm Supervisor: Mobile (720) 660-4431 Email: [MITCHELL.BROCHU@CUANSCHUTZ.EDU](mailto:MITCHELL.BROCHU@CUANSCHUTZ.EDU)

Eric Bevins, Fire Alarm Technician: Mobile: (720) 951-7039 Email: [ERIC.BEVINS@CUANSCHUTZ.EDU](mailto:ERIC.BEVINS@CUANSCHUTZ.EDU)

Adam Chiaramonte, Fire Alarm Technician: Mobile (720) 376-9088 Email: [ADAM.CHIARAMONTE@CUANSCHUTZ.EDU](mailto:ADAM.CHIARAMONTE@CUANSCHUTZ.EDU)

Mark Beall, Fire Sprinkler Systems: Mobile: (720) 951-3364 Email: [MARK.BEALL@CUANSCHUTZ.EDU](mailto:MARK.BEALL@CUANSCHUTZ.EDU)

### **DOWNTOWN DENVER CAMPUS:**

David Tilton, Facilities Management: Mobile: (303) 301-5280 Email: [DAVID.TILTON@CUANSCHUTZ.EDU](mailto:DAVID.TILTON@CUANSCHUTZ.EDU)

Martin Middlestadt, Facilities Management: Mobile: (303) 880-8314 Email: [MARTIN.MIDDLESTADT@UCDENVER.EDU](mailto:MARTIN.MIDDLESTADT@UCDENVER.EDU)

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