

# Fire Suppression System (FSS) Training

## CAUTION

WHEN ALARM SOUNDS  
VACATE ROOM. FIRE SUPPRESSION  
SYSTEM BEING DISCHARGED

## CAUTION

OPERATION OF MANUAL STATION WILL  
RESULT IN IMMEDIATE DISCHARGE OF FIRE  
SUPPRESSION SYSTEM



**John Sawyer – Fire Safety**

# The Novec Fire Suppression System extinguishes fire without using water

## Novec 1230 fluid:

- Extinguishes a fire by rapidly removing heat, interrupting the fire triangle
- Is *not harmful* to personnel; it is a mild irritant that can be remediated with exposure to fresh air ([Novec 1230 SDS](#))
- Click [here](#) for a video demonstration



**The system works most effectively  
if the room remains sealed once the gas discharges.**

**Do not make any modifications to walls or ceiling that will affect  
the integrity of the room's seal without prior approval from the  
LLE Fire Safety Officer**

# The FSS has multiple smoke detectors and an activation pull-station

- The fire alarm will sound and the fire strobe will flash if a single detector activates *or* if the FSS pull-station is activated
  - If one detector activates, the alarm beeps once every 2 seconds, but the suppressant will not discharge
- If two detectors activate, or if the pull station is activated, the alarm beeps once per second. Suppressant begins discharging:
  - 30 seconds AFTER the second detector activates
  - Immediately after the pull station is activated

**If the alarm sounds - EVACUATE**

If there is a fire, activate the FSS pull station to immediately discharge fire suppressant

**LDL ANNEX  
PULL STATION LOCATION**



132B Main  
Entry/Exit



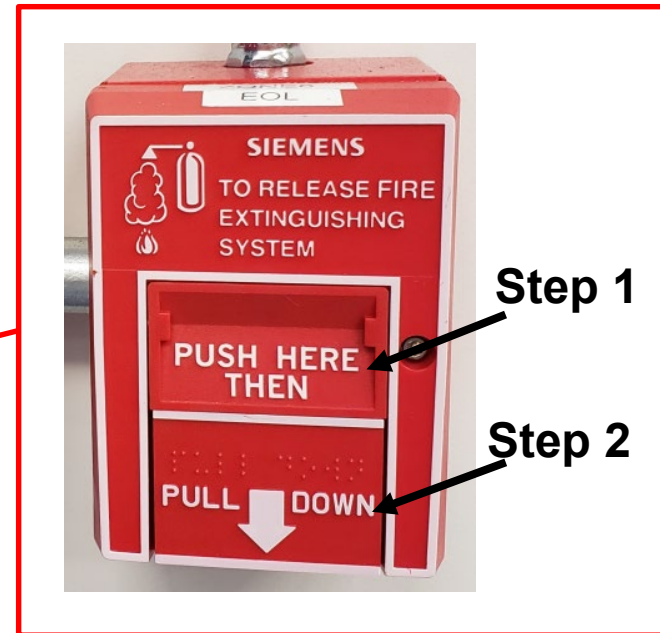
Step 1

Step 2

**Use fire extinguisher if FSS fails to deploy or if there is a fire outside the room, if it is safe to do so**

If there is a fire, activate the FSS pull station to immediately discharge fire suppressant

**LCF  
PULL STATION LOCATION**



**Use fire extinguisher if FSS fails to deploy or if there is a fire outside the room, if it is safe to do so**



**Contact the appropriate supervisor(s) to schedule a walk-through of the area(s) you work in:**

- **LDL Annex (Room 132B): Jake Bromage or Chad Mileham**
- **Laser Computing Facility: Joe DiVincenzo**

**You must complete the [G\\_013 quiz](#) to satisfy your training requirement**