

# Facility Fire Safety & Construction

Helping you maintain a safe  
environment

# FFS&C Basics

- The Building & Operations
  - Five Principles of Protection
  - Life Safety Code
  - IDAPA rules
  - Local Code Requirements
  - Planning/Drills
  - Policies

# FFS&C Basics

- Ignition Control (annual maintenance)
  - Fuel Fired Heating and Appliances
    - Includes boilers, furnaces, hot water, fireplaces, stoves, any Gas, Propane, Wood or Oil fired equipment.
  - Candles and Open Flames Prohibited
  - Space Heaters Prohibited
  - Smoking Policy – Enforcement/Control
  - Incendiary Control

# FFS&C Basics

- Limit Fire Growth
  - Quantity of Fuels (Minimize)
  - Types of Fuels (Flammable Liquids)
  - Arrangement of Fuels (Decorative Materials)
  - Provide Barriers (Walls, Doors)

# FFS&C Basics

- Occupant Protection Methods
  - Alarm to Cause Evacuation (Fire Alarm/Detection)
  - Evacuation Routes (Closest Safe Route)
  - Safe Exit Destination (Meeting Place)
  - Accountability (Who's Missing?)

# FFS&C Basics

- Detection & Suppression Methods
  - Early Warning Detection (smoke detection)
  - Reliable Alarm (testing & maintenance)
  - Automatic Suppression Systems (testing & maintenance)
  - Manual Suppression (fire extinguishers)

# FFS&C Basics

- Planning & Training Methods
  - Staff Training & Education
  - Resident Training & Education
  - Plan Emergency Procedures
  - Exercises & Drills

# FFS&C Basics

- Life Safety Code, 2000 Edition
  - Small 3 – 16 beds Chapter 32 New Residential B&C
  - Small 3 – 16 beds Chapter 33 Existing Residential B&C
  - Large 17 beds or more Chapter 18 New Health Care
  - Large 17 beds or more Chapter 19 Existing Health Care
  - Multiple Story (regardless of beds) Chapter 18 or 19



# FFS&C Basics

- IDAPA Rules 16.03.22.
  - Pertinent sections
    - 154 Emergency Preparedness Plan
    - 161 Smoking Policy
    - 250 Bldg Construction & Physical Standards
    - 400 Life Safety Code
    - 405 Additional Fire & Life Safety
    - 410 Emergency Preparedness & Drills
    - 415 Maintenance of Equipment & Systems

# FFS&C Basics

## ■ The Systems

- Fire Alarm/Smoke Detection (Monthly Test-Annual Maint.)
- Sprinkler Systems (Quarterly Inspection – Annual Testing)
- Fire Extinguishers (Monthly Inspection -Annual Maint.)
- Resident Call System (recommend monthly)
- Exit Signs and Emergency Lighting (Monthly/Annual Testing)

# FFS&C Basics

- Local Codes and Ordinances
  - The facility must be in compliance with all local codes.
  - Zoning cannot be restricted for facilities licensed for 8 beds or fewer. (IC 67-6530 – 6532)
  - When codes conflict both must be met.

# FFS&C Basics

## ■ Planning & Drills

### ■ Plan for Fire Evacuation

- Small RALF
- Large RALF

### ■ Plan for Disaster

- All Hazards (Fire-Flood-Wind-Weather-Earthquake-Hazardous Materials-Terrorism-Etc)
- Relocation Agreement (recommend multiple)
- Fire Drills = 1 per shift per quarter

# FFS&C Basics

## ■ Policies

- Smoking
- Fire Watch
- Incident/Fire Report
- Not capable of self-evacuation – unsprinklered bldg.

# FFS&C Basics

## ■ Common Citations

- Structure, Maintenance & Equipment (92)
- Maintenance Fuel Fired Heating (47)
- Electrical Installations & Equipment (45)
- Fire Drills (37)
- Extension Cords (36)
- Life Safety Code – Large Existing RALF (31)
- Maintenance of Life Safety Equipment (26)
  - Smoke Detection (17) Fire Ext. (14)
- Relocation Agreement (13)

Credit to Spokesman Review and Tom Davenport; CDA Press and Jason Hunt



**DON'T STAND UP!**





# WHEN YOU'RE HOT YOU'RE HOT



# THE END

