

## 1 PURPOSE

The purpose of this standard is to provide minimum requirements detailing the requirements for fire protection. In addition, all employees must follow mandatory local, state, and federal statutory rules and regulations.

## 2 SCOPE

This standard is applicable to all personnel employed by Chesapeake Energy Corporation, performing work on Chesapeake properties and/or on the company's behalf. Contractors **shall** have their own Standard that meets or exceeds regulatory requirements.

## 3 DEFINITIONS

**Sprinkler System** - A system that consists of an integrated network of piping designed in accordance with fire protection engineering standards that includes a water supply source, a water control valve, a water flow alarm, and a drain. The portion of the sprinkler system above ground is a network of specifically sized or hydraulically designed piping installed in a building, structure, or area, generally overhead, and to which sprinklers are attached in a systematic pattern. The system is commonly activated by heat from a fire and discharges water over the fire area.

**Annual Frequency – The fire extinguisher shall be inspected** once per year with a minimum of 9 months and a maximum of 15 months.

**Monthly Frequency - The fire extinguisher shall be inspected** once per calendar month.

**Five Year Frequency - The fire extinguisher shall be** inspected every 60 months with a minimum of 54 months and a maximum of 66 months.

**ABC** – Fire extinguishers with “A”, “B”, and/or “C” may be used at CHK locations. The A, B, C rating system defines the kinds of materials each fire extinguisher is designed to fight.

- “A” Trash/Wood/Paper: Class A extinguishers put out fires in ordinary combustible materials such as cloth, wood, rubber, paper, and many plastics.
- “B” Liquids: Class B extinguishers are used on fires involving flammable liquids, such as grease, gasoline, oil, and oil-based paints. These can be fires where cooking liquids, oil, gasoline, kerosene, or paint have become ignited.
- “C” Electrical Equipment: Class C extinguishers are suitable for use on fires involving appliances, tools, or other equipment that is electrically energized or plugged in.

- “D” Combustible Metals: Class D fire extinguishers are commonly found in a chemical laboratory. They are for fires that involve combustible metals, such as magnesium, titanium, potassium and sodium. These types of extinguishers also have no numerical rating, nor are they given a multi-purpose rating - they are designed for class D fires only.
- “K” Kitchen Flammables: Class K fire extinguishers are for fires that involve cooking oils, trans-fats, or fats in cooking appliances and are typically found in restaurant and cafeteria kitchens.

**Shall** – Denotes a minimum requirement to conform to the Standard. To aid the reader, “shall” requirements are identified in bold. Any deviation from a minimum requirement must be approved via the Standard Exception Form.

**Should** – Denotes a recommendation, or that which is advised, but not required to conform to the Standard.

## 4 RESPONSIBILITIES

### 4.1 HSER DEPARTMENT

- Support Supervisors and Employees with the implementation of this standard as necessary.

### 4.2 SUPERVISORS

- Comply with this standard and implement as necessary within their area of responsibility.

### 4.3 EMPLOYEES

- Comply with this standard and apply its requirements to the workplace.

## 5 REQUIREMENTS

### 5.1 SPRINKLER INSPECTION

All CHK owned and leased buildings with an automatic sprinkler system require periodic inspections. Floor level inspections shall be performed annually. An assessment of the internal condition of piping shall be conducted at a minimum of every 5 years for the purpose of inspecting for the presence of foreign organic and inorganic material.

- Any sprinkler that shows signs of any of the following shall be replaced:

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- Leakage
  - Corrosion detrimental to sprinkler performance
  - Physical damage
  - Loss of fluid in the glass bulb heat-responsive element
  - Loading detrimental to sprinkler performance
  - Paint other than that applied by the sprinkler manufacturer

## 5.2 FIRE EXTINGUISHER INSPECTIONS

Extinguishers shall be visually inspected monthly and documented. An annual inspection of the extinguisher shall be conducted by a qualified service company and documented. Forms 113-A and 113-B, found in the appendix, digital form can be used in place of 113-A/B, can be used for assistance in documentation. Extinguishers that fail inspections should be removed from service immediately.

## 5.3 FIRE EXTINGUISHER NUMBER AND SIZE

In accordance with NFPA 10 Portable Fire Extinguisher Standard

- Type of fire most likely to occur
- Size of fire most likely to occur
- Hazards in area where fire is most likely to occur
- Ambient temperature conditions
- API RP 54 specific Hot Work, Drilling and Well Servicing Operations may require specific numbers and size extinguishers for example:
  - Hot Work
  - One 20-lb multi-purpose (Class BC rating)
  - Well Servicing Rigs
  - A minimum of two (2) 20-pound capacity fire extinguishers (Class BC rating)
  - Drilling
    - Drilling rigs shall have readily accessible, in good operating condition, not less than four (4) 20-pound capacity fire extinguishers (Class BC rating)
    - Air/Gas/Mist Drilling

## 5.4 EXTINGUISHER DISTRIBUTION

Fire extinguishers / suppression systems shall be provided in all company owned vehicles and at or around the following facilities:

- Manned compressor stations
- Central production facilities
- Salt Water Disposals (SWD)
- Equipment used in construction, drilling, completions, field maintenance and repair operations (including all locations where equipment is plugged into an electrical outlet or equivalent)
- Offices
- Facility Shops
- Structures where known flammable solvents are stored
- Company owned vehicles that regularly visit field locations with hydrocarbons. (SUV's and cars utilized to transport personnel do not require extinguishers.)

ABC extinguishers shall be distributed or placed in structures or buildings so that travel from a Class A, B or C hazard area does not exceed 50ft from class B hazards, or 75 feet from Class A hazards.

## 6 TRAINING

Employees who have the potential to use fire extinguishers shall receive training on CHK fire extinguisher requirements and related safety requirements upon initial employment or assignment to the select employee group and annually thereafter. These identified employees will be trained on general use and selection of fire extinguishers, hazards of, and best practices for early-stage (incipient) firefighting. "Hands-on" training is only required for employees whose assigned duty is to fight fires. Only trained individuals should use fire extinguishers.

## 7 AUDIT REQUIREMENTS

Regular audits of this standard and associated procedures may be conducted by the Compliance Assurance Department. Audits will be documented, and corrective actions monitored until they are implemented.

## 8 DOCUMENT STORAGE AND RETENTION

Documents shall be retained in accordance with the Records Retention Schedule, Document Control Standard and applicable laws.

## 9 REFERENCES

### 9.1 INTERNAL

- Form 113-A, Fire Extinguisher Monthly Inspection Tag
- Form 113-B, Annual Fire Extinguisher Maintenance Record

### 9.2 EXTERNAL

- OSHA Regulation 29 CFR 1910.157
- US Fire Administration, FEMA, 2010
- API RP 54
- NFPA 25
- NFPA 10

## 10 APPENDIX

- Appendix A – Form 113-A – Fire Extinguisher Monthly Inspection Tag
- Appendix B – Form 113-B – Annual Fire Extinguisher Maintenance Record

## 11 DOCUMENT CONTROL TABLE

<b>Title:</b> Fire Protection Standard		<b>Document Number:</b> HSER-SAF-CHK-STD-017		
<b>Next Review Date:</b> 03/01/25				
<b>Originating Dept.:</b> HSER - Safety				
Version History				
Ver. #	Effective Date	Description	Author	Approved By
1.0	03/06/17	Issued	Blake Record	Jason Kelly
2.0	07/31/18	Revised inspection documentation; added locations to distribution.	Blake Record	Jason Kelly
2.1	7/18/19	Revised document number to DSG numbering convention (formerly CHK-EHS-SAF-STD-012); updated EHS & Regulatory	Kelly Trice	NA

# Fire Protection Standard

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		to HSER throughout document; updated Document Control Table to DSG format.		
3.0	03/01/22	Revised definitions, included NFPA 10 requirements	Mark Mollman	HSER Leadership Team

## APPENDIX A

### Fire Extinguisher Monthly Inspection Tag (113-A)

EXTINGUISHER NO.:		
YEAR:		
DATE OF INSPECTION	INSPECTOR	COMMENTS
JAN/		
FEB/		
MAR/		
APR/		
MAY/		
JUN/		
JUL/		
AUG/		
SEP/		
OCT/		
NOV/		
DEC/		

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