

# HIGH-PILE STORAGE COMMODITY PACKET

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## TRI-LAKES MONUMENT FIRE DEPARTMENT

Tri-Lakes Monument Fire Rescue Authority  
1855 Woodmoor Drive  
Monument, Colorado 80132

The following declaration serves as a means to obtain information about high-pile storage of ordinary commodities stacked above 12-feet and high hazard commodities stacked above 6-feet within the Tri-Lakes Monument Fire Rescue Authority. The information collected in this packet is reviewed to ensure code compliance during the preconstruction and plan review stage, the information is then retained by the department to serve as an inventory reference in the event of an emergency.



# HIGH-PILE COMBUSTIBLE STORAGE

## Owner's Statement of Intended Use



A high-pile combustible storage plan shall be submitted when the storage of ordinary combustibles exceeds 12-feet and high hazard combustibles exceed 6-feet above the finished floor. High-pile combustible stock shall be stored in accordance with the requirements established by the 2003 International Fire Code and adopted amendments

### BUSINESS INFORMATION

**BUSINESS NAME:**

**BUSINESS ADDRESS:**

**CITY, STATE, ZIP:**

**TELEPHONE:**

**FAX:**

**PRINCIPLE BUSINESS ACTIVITY:**

### DECLARATION - "CHECK THE APPROPRIATE BOX"

I declare that this building **WILL NOT** be used to store high-pile combustible stock as defined in Chapter 23 of the 2003 International Fire Code as adopted by the Tri-Lakes Monument Fire Rescue Authority. Stockpile heights will not exceed 12-feet in solid piles, in racks or on pallets; or 6-feet when consisting of high-hazard commodities.

**SIGNS SHALL BE INSTALLED LIMITING STORAGE TO LESS THAN 12-FEET**

(If you selected this section, then simply submit this one page form with your construction plans for review by the Tri-Lakes Monument Fire Department)

I declare that this building **WILL** be used to store high-pile combustible stock as defined in Chapter 23 of the 2003 International Fire Code as adopted by the Tri-Lakes Monument Fire Rescue Authority. I understand that a commodity storage plan is required to be submitted with the construction documents and that an additional review fee will be assessed.

(If you selected this section, you will need to complete and submit the remainder of this packet with your construction plans to the Tri-Lakes Monument Fire Department for review)

This building is a speculation building that may be used to store high-pile stock in the future. This building is being constructed in accordance with the Tri-Lakes Monument Fire Department's requirements for access roadways, fire suppression system, access doors, and has a vent ratio of \_\_\_\_ 1:100 \_\_\_\_ 1:75 \_\_\_\_ 1:50 \_\_\_\_ 1:40 \_\_\_\_ 1:30

**The future tenant shall contact the fire department to finalize high-pile requirements**

(If you selected this section, you will need to complete and submit the remainder of this packet with your construction plans to the Tri-Lakes Monument Fire Department for review)

### AFTER HOURS EMERGENCY CONTACT

**PRIMARY CONTACT:**

**TELEPHONE NO:**

### PERSON RESPONSIBLE FOR COMPLETING THIS PACKET

**NAME:**

**TITLE:**

**E-MAIL:**

**TELEPHONE:**

### BUILDING OWNERS SIGNATURE

**OWNERS SIGNATURE:**

**DATE:**



## ORDINARY COMBUSTIBLES COMMODITIES

1) **COMMODITY CLASS:** \_\_\_\_\_ **SOURCE:** IFC \_\_\_\_\_ NFPA \_\_\_\_\_

2) **MAXIMUM STORAGE HEIGHT POSSIBLE BY BUILDING DESIGN:** \_\_\_\_\_ FT

3) **CLEAR CEILING HEIGHT - FLOOR TO BOTTOM OF ROOF DECK:** \_\_\_\_\_ FT

4) **CLEAR HEIGHT - FLOOR TO BOTTOM OF STRUCTURAL SUPPORTS** \_\_\_\_\_ FT

5) **METHOD OF STORAGE:** (check all that apply)

\_\_\_\_\_ *ENCAPSULATED IN PLASTIC*

\_\_\_\_\_ *NON-ENCAPSULATED*

\_\_\_\_\_ *WOODEN PALLETS*

\_\_\_\_\_ *PLASTIC PALLETS*

\_\_\_\_\_ *ON RACKS W/ SOLID SHELVES*

\_\_\_\_\_ *BIN BOX*

\_\_\_\_\_ *RACKS W/OUT SOLID SHELVES*

\_\_\_\_\_ *SOLID PILE*

\_\_\_\_\_ *OTHER*

6) **RACK STORAGE ONLY:**

**TYPE OF RACKS:**

\_\_\_\_\_ *SINGLE ROW*    \_\_\_\_\_ *DOUBLE ROW*    \_\_\_\_\_ *MULTIPLE ROW*

**HEIGHT OF RACKS:** \_\_\_\_\_ *FEET*      **DEPTH OF RACKS:** \_\_\_\_\_ *FEET*

**WIDTH OF RACKS:** \_\_\_\_\_ *FEET*

**AISLE WIDTH BETWEEN RACKS:** \_\_\_\_\_ *FEET*

**SIZE OF LONGITUDINAL FLUE SPACE?** \_\_\_\_\_ *INCHES*

**SIZE OF TRANSVERSE FLUE SPACE?** \_\_\_\_\_ *INCHES*

7) **IS A MECHANICAL SMOKE REMOVAL SYSTEM REQUIRED?** YES \_\_\_\_\_ NO \_\_\_\_\_

8) **ARE SMOKE VENTS REQUIRED?** YES \_\_\_\_\_ NO \_\_\_\_\_

*IF SO, PROVIDE THE VENT TO CEILING AREA RATIO:* \_\_\_\_\_

*WHAT IS THE TOTAL NUMBER OF VENTS REQUIRED?* \_\_\_\_\_

9) **WHEN WAREHOUSE/STORAGE ROOM OCCUPANT LOADS REQUIRE TWO EXITS, DEAD-END AISLES ARE NOT TO EXCEED 20 FEET?** YES \_\_\_\_\_ N/A \_\_\_\_\_

10) **GROSS SQUARE FOOTAGE OF THE - ENTIRE STRUCTURE:** \_\_\_\_\_ sq. feet

11) SQUARE FOOTAGE OF **HIGH-PILED STORAGE AREAS ONLY:** \_\_\_\_\_ sq. ft

12) DESIGNATED STORAGE AREA:

\_\_\_\_\_ 0 - 500 sq. feet

\_\_\_\_\_ 501 - 2,500 sq. feet

\_\_\_\_\_ 2,501 - 12,000 sq. feet

\_\_\_\_\_ 12,000 - 20,000 sq. feet

\_\_\_\_\_ 20,001 - 300,000 sq. feet

\_\_\_\_\_ **Multiple designated storage areas**  
**(If so- list separately on another sheet)**

13) WILL THIS FACILITY BE FIRE SPRINKLERED THROUGHOUT?

YES \_\_\_\_\_ NO \_\_\_\_\_

14) IS A SMOKE DETECTION SYSTEM REQUIRED? YES \_\_\_\_\_ NO \_\_\_\_\_

15) MAXIMUM CUBIC FEET PER PILE: (not applicable for rack storage facilities)

\_\_\_\_\_ 50,000 cu. Feet

\_\_\_\_\_ 100,000 cu. Feet

\_\_\_\_\_ 200,000 cu. feet

\_\_\_\_\_ 400,000 cu. Feet

16) ARE ACCESS ROADWAYS TO WITHIN 150 FT OF ALL PORTIONS OF THE EXTERIOR WALLS: \_\_\_\_\_ YES \_\_\_\_\_ NO

17) ARE ACCESS DOORS PROVIDED EVERY 100 LINEAL FEET ON ALL EXTERIOR WALLS WHICH FACE ACCESS ROADWAYS: YES \_\_\_\_\_ NO \_\_\_\_\_

18) ARE KEYED ACCESS LOCKS FOR FIRE DEPARTMENT EMERGENCY ENTRY PROVIDED ON ALL EXTERIOR DOORS: YES \_\_\_\_\_ NO \_\_\_\_\_

## PLASTIC COMMODITIES

1) GROUP TYPE OF PLASTICS:

A \_\_\_\_\_ B \_\_\_\_\_ C \_\_\_\_\_

2) PERCENTAGE OF PLASTIC IN STORAGE: \_\_\_\_\_ %

3) IF GROUP TYPE IS "A" - CHECK ALL ITEMS WHICH APPLY TO COMMODITY:

a) IS THE PLASTIC:

EXPANDED \_\_\_\_\_ NON-EXPANDED \_\_\_\_\_ FREE FLOWING \_\_\_\_\_

b) HOW IS THE PLASTIC PACKAGED:

EXPOSED \_\_\_\_\_ CARTONED \_\_\_\_\_

c) HOW IS THE PLASTIC PILED:

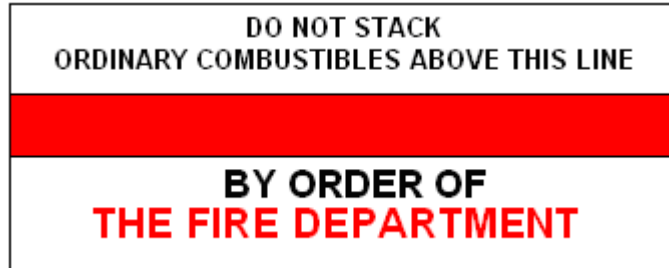
STABLE \_\_\_\_\_ UNSTABLE \_\_\_\_\_





# SAMPLE "NO STACKING" SIGNS

## CLASS I-IV COMMODITIES



- Mount sign so that the red line is 12-feet above the finished floor
- The overall sign dimensions shall be thirteen inches high by thirty inches wide (13"X30")
- The red stripe shall be a minimum of 3-inches
- The text shall be a minimum of 3-inches high
- A sufficient number of signs shall be mounted throughout the area to limit unlawful stacking

## HIGH-HAZARD COMMODITIES



- Mount sign so that the red line is 6-feet above the finished floor
- The overall sign dimensions shall be thirteen inches high by thirty inches wide (13"X30")
- The red stripe shall be a minimum of 3-inches
- The text shall be a minimum of 3-inches high
- A sufficient number of signs shall be mounted throughout the area to limit unlawful stacking