



# Naperville

## CITY OF NAPERVILLE

### Transportation, Engineering, & Development (T.E.D.) Business Group

## High-Piled Storage Questionnaire

Applicant Name: \_\_\_\_\_ Date: \_\_\_\_\_

Applicant Email: \_\_\_\_\_ Applicant Phone: \_\_\_\_\_

Business Name: \_\_\_\_\_ Business Phone: \_\_\_\_\_

Business Address: \_\_\_\_\_

\*1. Commodity classifications: (check all that apply)  I  II  III  IV  High Hazard  
(If **plastics** are being stored, please fill out the plastics portion of this questionnaire)

2. Description of storage: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\* (1.) above leave blank if unsure, however provide description of storage, (2.) above

3. Maximum storage height: \_\_\_\_\_ Ft

4. Clear ceiling height - Floor to bottom of roof deck: \_\_\_\_\_ Ft

5. Clear height - Floor to bottom of structural roof supports: \_\_\_\_\_ Ft

6. Method of storage: (check all that apply)

- |   |  |                                     |
|---|--|-------------------------------------|
| <input type="checkbox"/> Encapsulated in plastic            | <input type="checkbox"/> Non encapsulated                      | <input type="checkbox"/> Bin box    |
| <input type="checkbox"/> On wooden pallets                  | <input type="checkbox"/> On plastic pallets                    | <input type="checkbox"/> Solid pile |
| <input type="checkbox"/> On racks <b>with</b> solid shelves | <input type="checkbox"/> On racks <b>without</b> solid shelves |                                     |
| <input type="checkbox"/> Other (describe) _____             |  |                                     |

7. Rack Storage Information  N/A (N/A indicates racks will not be used in the storage scheme)

Type of racks:  Single rows  Double rows  Multiple rows

Height of racks: \_\_\_\_\_ Ft      Depth of racks: \_\_\_\_\_ Ft      Width of racks: \_\_\_\_\_ Ft

Minimum aisle width between racks: \_\_\_\_\_ Inches

Longitudinal flue space: \_\_\_\_\_ Inches      Transverse flue space: \_\_\_\_\_ Inches

8. Mechanical smoke removal system provided/present?  Yes  No

9. Smoke vents required/present?  Yes  No

If yes, what is the vent to ceiling area ratio? \_\_\_\_\_:

What is the total square footage of all vents required? \_\_\_\_\_

10. Are draft/curtain boards being provided/present?  Yes  No

11. Gross square footage of entire structure : \_\_\_\_\_ Square Ft

12. Size of designated storage areas: (Actual floor space of all racks/piles plus required aisles)

- |   |  |
|---|--|
| <input type="checkbox"/> Storage Area 1 _____ sq. ft. | <input type="checkbox"/> Storage Area 4 _____ sq. ft.                          |
| <input type="checkbox"/> Storage Area 2 _____ sq. ft. | <input type="checkbox"/> Storage Area 5 _____ sq. ft. (list additional storage |
| <input type="checkbox"/> Storage Area 3 _____ sq. ft. | <input type="checkbox"/> Storage Area 6 _____ sq. ft. areas on separate sheet) |



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## High-Piled Storage Questionnaire (Continued)

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### Sprinkler System Design

13. Is or will the facility be fire sprinklered throughout or partial?  Throughout  Partial  
If partial, is/will all high piled storage areas have fire sprinkler protection?  Yes  No

14. Provide sprinkler design requirements based on commodity type, aisle width, and sprinkler temperature rating as outlined in NFPA 13, 2019 edition (e.g., 0.45/3000 with 286° heads).

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### Fire Alarm System Design

15. Is or will there be a fire alarm system throughout the facility, only throughout the high-piled storage area or both?

- Throughout Facility  
 Throughout High-Piled Storage Area  
 Both

### High-Piled Storage Plastics

1. Plastic group type:  A  B  C  Unknown

2. Plastic characteristics - (check all that apply)

- a. Is the plastic:  Expanded  Non expanded  Free flowing  
b. How is the plastic packaged?  Exposed  Cartoned  
c. How is the plastic piled?  Stable piles  Unstable piles

(Complete Items 3, 4, and 5 for Group A plastics only)

3. Percent by weight of expanded plastic: \_\_\_\_\_% (either per pallet or per carton)

**OR**

4. Percent by volume of expanded plastic: \_\_\_\_\_% (either per pallet or per carton)

**AND**

5. Percent by weight of unexpanded plastic: \_\_\_\_\_% (either per pallet or per carton)  
(all percentages above must be based either on the pallet load or carton; provide/show calculations)

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