

# Fire Protection System – Plan Review Information Sheet

City of Chaska - Fire Marshal  
 One City Hall Plaza Chaska, MN 55318  
 Phone: (952) 448-9200 Fax: (952) 448-9300

- A work authorization letter is requested. This form will provide preliminary information about the job sufficient to permit a work authorization letter to be issued. This form need not be resubmitted when the completed plans are sent in.
  
- This form is being included, along with the sprinkler plans, since it was not submitted as part of a work authorization. If the form was already submitted for a work authorization letter, it need not be sent in with the sprinkler plans.

General

Name of facility: \_\_\_\_\_ Value of contract: \_\_\_\_\_  
 Facility address: \_\_\_\_\_ County: \_\_\_\_\_  
 Phone number of contact person at job site: (\_\_\_\_) \_\_\_\_\_  
 Sprinkler contractor: \_\_\_\_\_ Contractor license no.: \_\_\_\_\_  
 Contractor phone: (\_\_\_\_) \_\_\_\_\_ Contractor fax: (\_\_\_\_) \_\_\_\_\_  
 Name of responsible person for design: \_\_\_\_\_ Phone no.: (\_\_\_\_) \_\_\_\_\_

Scope of Work

Provide a description of the work to be completed: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Provide a description of the facility (i.e. non-combustible 3-story office with retail stores on ground floor):  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Does the design involve a partial system or a variance/deviation from the 1998 Minnesota Uniform Fire Code or the 1998 State Building Code (include written documentation or copy of orders)? If so, explain:  
 \_\_\_\_\_  
 \_\_\_\_\_

Water Supply

Municipal water supply? Yes  No   
 Water Supply Data: Static \_\_\_\_\_ psi Residual \_\_\_\_\_ psi Flow \_\_\_\_\_ gpm  
 Date of Test: \_\_\_\_\_ Location: \_\_\_\_\_  
 Municipal underground main size: \_\_\_\_\_ Circulating or dead end: \_\_\_\_\_  
 Size of supply line into building: \_\_\_\_\_  
 Size of domestic line inside building: \_\_\_\_\_ Solenoid valve or domestic? Yes  No   
 Fire Pump? Yes  No  Reservoir or tank? Describe: \_\_\_\_\_  
 Pump Capacity? \_\_\_\_\_ Type of Driver: Electric  Diesel  Other \_\_\_\_\_  
 Does the water supply include a pond, pool, well? Yes  No   
 If yes, explain: \_\_\_\_\_

Design Details

Standards used for the design (check all that apply):

NFPA 13 (1996) \_\_\_\_\_ NFPA 13 R (1989) \_\_\_\_\_ Other: \_\_\_\_\_  
 NFPA 231 (1990) \_\_\_\_\_ NFPA 231C (1991) \_\_\_\_\_ Other: \_\_\_\_\_

Does the design include high-piled combustible storage? Yes  No   
 If yes, include the third page of this information sheet covering high-piled combustible storage.

- Is the system designed for the protection of flammable liquids or aerosols? If yes, explain.
- Is the system designed for the protection of hazardous materials? If yes, explain.
- Are there light hazard areas that are not protected with quick response sprinklers? If yes, explain.
- Are there sloped ceilings or roofs over 2" in 12" that don't include an area increase of 30%? If yes, explain.
- Are there unique construction or ceiling designs that should be considered now? If yes, explain.
- Is the design based on other authorities such as an insurance company or corporate policy? If yes, explain.

Explanation: \_\_\_\_\_

Occupancy Classifications

Please provide information on the major occupancies within the scope of work. Give sufficient detail in the description to allow an evaluation of the resulting occupancy classification and system design. Information need not be provided for every area under the scope of work. A sufficient number of entries should, however, be provided to allow an evaluation of the major work areas. An example is provided.

Description	Occupancy Classifications	Type of System	Area/Density or other design basis	Reference for Area/Density	Notes
Attic without storage and slope of 3" per 12"	Light Hazard	Dry	.1 / 2535	NFPA 13 (1996) Figure 5-2.3 & Sec. 5-2.3.2.6 & Sec. 5-2.3.2.5	30% increase for dry system; 30% increase for ceiling slope
Example					

Sign

I have read all portions of this form and have provided accurate information to the best of my knowledge. Should conditions change from what is indicated by the information I have provided, I will update the City of Chaska Fire Marshal as soon as possible. I am familiar with Minn. Stat. §299M relating to Fire Protection Licensing and that penalties exist for providing false information.

Signed: \_\_\_\_\_ Print Name: \_\_\_\_\_ Date: \_\_\_\_\_

**High-piled combustible storage** is storage of combustible materials in closely packed piles or combustible materials on pallets, in racks or on shelves, where the top of storage is greater than 12 feet in height. It also includes certain high-hazard commodities such as rubber tires, Group A plastics, flammable liquids, idle pallets, and similar commodities, where the top of storage is greater than 6 feet in height [Minnesota Uniform Fire Code (98) Section 209-H].

Is the system designed for the protection of high-piled combustible storage? Yes  No   
If "No", this page does not need to be completed or submitted.

Is solid pile storage being used? Yes  No   
Storage height: \_\_\_\_\_ Ceiling height: \_\_\_\_\_ Ceiling construction: \_\_\_\_\_

Is rack storage being used? Yes  No   
Storage height: \_\_\_\_\_ Ceiling height: \_\_\_\_\_ Ceiling construction: \_\_\_\_\_

Single, double, or multiple row rack? \_\_\_\_\_  
Horizontal flue width: \_\_\_\_\_ Longitudinal flue width: \_\_\_\_\_ Aisle width: \_\_\_\_\_

Are solid shelves, grates, or slats used in the rack? (If yes, explain.) \_\_\_\_\_

Are other storage methods such as bin-box, hanging garments, automated, or carousel used? \_\_\_\_\_

Is banding or encapsulation of the commodity used? (If yes, explain.) \_\_\_\_\_

Describe what is being stored: \_\_\_\_\_

Does the storage involve limited quantities of Group A plastics in mixed commodities? If yes, what is the final commodity classification based on Figure 8101.4-A in the 1998 MUFC? \_\_\_\_\_

For high-piled storage with a mix of commodities, provide information on the three most hazardous commodities that are stored in quantities greater than two pallet loads in the building:

1. \_\_\_\_\_ Quantity: \_\_\_\_\_

2. \_\_\_\_\_ Quantity: \_\_\_\_\_

3. \_\_\_\_\_ Quantity: \_\_\_\_\_

Describe in detail the commodity classification used for design: \_\_\_\_\_

If the system design is not based on the most hazardous commodity listed above, explain why not: \_\_\_\_\_

Describe in detail the sprinkler protection for the high-piled combustible storage. Include information on the design standard, Section or Table numbers, ceiling sprinkler density, type of sprinkler head, etc.: \_\_\_\_\_

Is smoke and heat removal (venting) per MUFC (98) Section 8102.7 provided? (If not, explain why.) \_\_\_\_\_

Storage Method

Commodity Classification

Protection