



McMinnville Fire Department
Fire & Life Safety
175 NE First Street, McMinnville, OR 97128 - (503) 435-5800

Fire Flow and Hydrant Worksheet

This worksheet is required to be submitted to and approved by the Authority Having Jurisdiction (AHJ) before any permits for new building construction, building expansion or fire hydrants will be issued by the Building Department. See the instructions for assistance completing this form or call one of the above numbers.

Preparer Information

Preparer Name: Date:

Phone: Fax:

Architect / Engineer of Record:

Phone: Fax:

General Building Information

Project Name:

Project Address:

City: County: Zip:

Construction Type: Click Box to choose construction type from dropdown menu

Total Bldg Area: sqft (as defined by the OSSC)

Total Fire Area: sqft (fire flow calculation area as defined by the OFC)

Bldg Fire Flow: Gallons Per Minute (base amount w/o hazard class modifier or reductions)

Describe Fire Area: (if more than one fire area, include an 8 1/2 x 11 or 11 x 17 drawing indicating the various fire areas)

Type of Occupancy or Use of Building:

A. Occupancy Hazard**A1 Determine percent of each occupancy hazard in the fire area.**

| Occupancy Hazard Class | Fire Area | | Total Fire Area | | Percent of Fire Area |
|-------------------------------------|-----------|---|-----------------|-------|----------------------|
| Light Hazard | 0 SF | / | 0 SF | x 100 | = 0 % |
| Ordinary Hazard Grp 1 | 0 SF | / | 0 SF | x 100 | = 0 % |
| Ordinary Hazard Grp 2 (HPCS I & II) | 0 SF | / | 0 SF | x 100 | = 0 % |
| Extra Hazard Grp 1 (HPCS III) | 0 SF | / | 0 SF | x 100 | = 0 % |
| Extra Hazard Grp 2 (HPCS IV & HH) | 0 SF | / | 0 SF | x 100 | = 0 % |

Total Must equal 100%**0 %****A2 Calculated Fire Flow**

| Occupancy Hazard Class | Factor | | Fire Area | | Fire Flow | | Bldg Fire Flow |
|------------------------|--------|---|-----------|---|-----------|---|----------------|
| Light Hazard | 0.75 | x | 0 % | x | 0 GPM | = | 0 GPM |
| Ordinary Hazard Grp 1 | 0.85 | x | 0 % | x | 0 GPM | = | 0 GPM |
| Ordinary Hazard Grp 2 | 1 | x | 0 % | x | 0 GPM | = | 0 GPM |
| Extra Hazard Grp 1 | 1.15 | x | 0 % | x | 0 GPM | = | 0 GPM |
| Extra Hazard Grp 2 | 1.25 | x | 0 % | x | 0 GPM | = | 0 GPM |

A3 Required Fire Flow with Occupancy Hazard Adjustment**0 GPM****B. Minimum Number of Fire Hydrants Required**Required Fire Flow **1500** = **1** No. of Hydrants Required**C. Reduction of Fire Flow - Reductions are based on the following:****C1** - Reduced by 25% for a NFPA 72 Fire Alarm System (multiply by .75)**C2** - Reduced by 75% for NFPA 13 Automatic Sprinklers (multiply by .25)**D. Required Fire Flow****D1** - Fire Flow **0** GPM x **1** = **1500** GPM (Max. 3000 - Min. 1500 gpm)**E. Available Fire Flow to the Building****Test Results:** **0** GPM

Manually enter available fire flow here. Please attach documentation of the flow test that was made. It shall include date, time, location of static/residual and flow hydrants, and the tester's name, phone number and address.