



GENERAL

In order for Fire Underwriters Survey to recognise a dry hydrant for fire insurance grading purposes, certain eligibility standards must be met. The following form should be completed and returned indicating that these standards are being adhered to. If you do not supply all the requested information, your application cannot be reviewed.

NOTE: Recognition of a dry hydrant by Fire Underwriters Survey implies that the dry hydrant is suitably designed to meet the minimum criteria as a water supply for fire insurance grading purposes.

WHAT YOU NEED TO INCLUDE WITH YOUR APPLICATION:

Note: To avoid delays, please supply all of the information listed below in a complete and organized format.

	Location	FUS USE ONLY
<input type="checkbox"/> Section 1: Completed application form	Form	<input type="checkbox"/>
<input type="checkbox"/> Appendix A: Inspection and Maintenance Record (one initial copy and subsequently annually)	Form	<input type="checkbox"/>
<input type="checkbox"/> Photographs showing the entire site in relation to the water source, and photos of the water source.	Attachment	<input type="checkbox"/>
<input type="checkbox"/> Flow test results demonstrating flow capacity through pumper apparatus. Flow tests will be carried out with a pitot gauge, which is calibrated annually, and witnessed by the AHJ or Fire Chief (these will be indicated on the "Inspection and Maintenance Record". Note that as required by NFPA 1142, (current edition), section 8.3.3 - <i>All dry hydrant systems shall be designed and constructed to provide a minimum flow of 3800L/min, i.e. 835IGPM.</i>	Form	<input type="checkbox"/>
<input type="checkbox"/> Fire department Standard Operating Procedures for use of static water supplies.	Attachment	<input type="checkbox"/>
<input type="checkbox"/> Dry fire hydrant drawings/plans/sketch (if available)	Plan sheet/ drawing	<input type="checkbox"/>



Section 1: Application form

1. Dry Hydrant Installation Information

GPS Location:				
Latitude:		Longitude:		Datum:
Date of Installation:			Name of Installation Company:	
Contact Name:			E-mail Address:	
Address:				
<input type="checkbox"/> City <input type="checkbox"/> Town <input type="checkbox"/> Village	Province:	Post Code:	Phone: ()	Fax: ()

2. Authority Having Jurisdiction (AHJ) Information

Name of Organization:				
Contact Name:			E-mail Address:	
Address:				
<input type="checkbox"/> City <input type="checkbox"/> Town <input type="checkbox"/> Village	Province:	Post Code:	Phone: ()	Fax: ()

3. Fire Department Information

Name of Fire Department:				
Fire Chief Name::			E-mail Address:	
Address:				
<input type="checkbox"/> City <input type="checkbox"/> Town <input type="checkbox"/> Village	Province:	Post Code:	Phone: ()	Fax: ()

As required by NFPA 1142, (current edition), section 8.7.1 - *Dry hydrants shall be inspected at least quarterly and maintained as necessary to keep them in good operating condition.* Fire Underwriters Survey (FUS) requires that all maintenance records from Appendix A be provided to your local FUS office on an annual basis in order to maintain recognition for fire insurance grading purposes.



4. Dry Hydrant Maintenance Information

Maintenance Frequency:		Name of Company/Organization responsible for maintenance:			
Contact Name:		E-mail Address:			
Address:					
<input type="checkbox"/> City <input type="checkbox"/> Town <input type="checkbox"/> Village	Province:	Post Code:	Phone: ()	Fax: ()	

5. Dry Hydrant Hardware description (Note that additional information may be required)

Diameter of all pipe sizes (inches):
Pipe material used:

Declaration of Authority Having Jurisdiction (AHJ) or Fire Chief

I hereby declare that the information contained herein is true and accurate. I have read and understood this form. This alternative water supply project is designed to comply with, and be maintained in accordance with all applicable standards and design specifications. I understand that failure to comply with any or all of the applicable standards, or providing false information, renders this application and subsequent recognition null and void.

The dry hydrant described herein will be made continuously accessible for fire-fighting apparatus year-round and without exception. The dry hydrant will be tested and maintained in accordance with the frequency specified in NFPA 1142, Water Supplies for Suburban and Rural Fire Fighting, (current edition).

The minimum capacity that is available on a year-round basis is 24,000 lgal or sufficient capacity to provide the maximum Required Fire Flow for the required duration (see Water Supply for Public Fire Protection, 1999 - Fire Underwriters Survey) of any building within 300m hose-lay of the dry hydrant.

All required planning, permits, design processes, and water use agreements were completed for the dry hydrant installation.

It is the responsibility of the AHJ to immediately notify the Fire Underwriters Survey of:

- any interruption in access to the dry hydrant, or
- any interruption in the access to apparatus with draft capacity, or
- any interruption in the available source of water supply (note that as required by NFPA 1142, (current edition):
 - o Section 7.1.5 - *To be acceptable, water supply sources shall maintain the minimum capacity and delivery requirements on a year-round basis, based on the 50-year drought cycle.*
 - o Section 8.5.1 - *There shall be not less than 2ft (0.6m) of water above the strainer and not less than 1ft (0.3m) below the strainer.*



The dry hydrant described herein is designed in accordance with NFPA 1142, Water Supplies for Suburban and Rural Fire Fighting, (current edition).

Authority Having Jurisdiction Signature:	Date:
Authority Having Jurisdiction Name (print):	AHJ Title:
Witness Signature:	Date:
Witness Name (print):	

LEAVE BLANK – FUS USE ONLY	
Date Application Received	Date Application Completed
Received by	



Appendix A



Dry Hydrant Inspection and Maintenance Record

GPS Location:	
Latitude:	Longitude:
	Datum:
Inspection Date:	By:
Depth of water from surface to top of strainer (ft):	Greater than 2 ft: <input type="checkbox"/> Yes <input type="checkbox"/> no
Environmental conditions affecting hydrant (silting, debris, vegetation growth, etc.):	
Erosion around hydrant, access road, bank of water supply:	
System back-flushed? <input type="checkbox"/> Yes <input type="checkbox"/> no <u>Problems found:</u>	
Flow available by actual test (IGPM):	
Weed control measures taken:	
Condition of access road, drainage:	
Sign present: <input type="checkbox"/> yes <input type="checkbox"/> no <u>Clarity of information on sign:</u>	
Maintenance performed, special observations, remarks:	
Signed AHJ or Fire Chief:	Date: