



Nevada Administrative Codes (NACs) 445A.54028 Item 4, 445A.54036 Item 1(d), 445A.66695 Item 5, 445A.6593, 445A.65935, 445A.6594, 445A.6672, 445A.6673, 445A.6674, 445A.66755, 445A.66785, 445A.6681, 445A.66835, 445A.66845 Item 10, 445A.6711, 445A.67115 Item 3, and 445A.6713 Item 3 require that the Fire Marshal or Local Fire Authority be contacted to provide the fire flows, fire demands, and durations for each water project submitted to the Bureau of Safe Drinking Water (BSDW).

The BSDW and the Nevada State Fire Marshal worked together to develop a form that could be placed on the BSDW website. This form facilitates the ability of the project design engineer(s) or the public water system representative to obtain / present the required fire information and include it with their project submittal documents.

The form is a PDF fillable form and is entitled, “Fire Flow and Demand Form for Fire Authority” and is noted as “2021-12-08 Rev A” in the footer. The form date and version will be updated as changes are made, and the latest revision will be uploaded to the BSDW website.

Please perform the following steps:

- 1) The water project design engineer (design engineer) **OR** the public water system representative shall fill out the form entitled “Fire Flow and Demand Form for Fire Authority,”
- 2) The design engineer **OR** the public water system representative shall contact and submit the completed form to the Fire Marshal or Local Fire Authority,
 - a. The Nevada State Fire Marshal website is <https://fire.nv.gov> and includes contact information.
 - b. A list of the entities (typically counties) that have Interlocal Agreements with the Nevada State Fire Marshal are listed below and on the Fire Marshal website <https://fire.nv.gov/Bureaus/FPE/Interlocals/>.
- 3) Obtain the Fire Marshal or Local Fire Authority response,
- 4) Submit (*i.e.*, 2 hard copies and 1 electronic copy of) the project design and construction documents to the BSDW for Approval and include the following:
 - a. Application,
 - b. Appropriate review fees (*if needed, contact the BSDW Project Coordinator for the amounts*),
 - c. Local Fire Authority completed response form (*i.e.*, *Fire Flow and Demand Form for Fire Authority*”).
 - d. Plans,
 - e. Specifications,
 - f. Engineering design report,
 - g. Network hydraulic analysis, and
 - h. Other supporting documents

Upon successful receipt of the documentation, the BSDW Project Coordinator will do the following:

- a. Assign a BSDW project number to this work,
- b. Tie the work to the water system,
- c. Assign a BSDW Engineer to do the following:
 - i. Review the submittals,
 - ii. Coordinate with the design engineer and water system as needed,
 - iii. Prepare comment and /or approval letters as needed,
 - iv. Review construction completion report submittals, and
 - v. Complete internal paperwork



Interlocal Agreements with the Nevada State Fire Marshal

As of the date this document was written, the following is a list of the entities with inter-local agreements:

University of Nevada Reno
City of West Wendover
Tahoe Douglas Fire Protection District
North Lyon County Fire Protection District
Elko County
East Fork Fire Protection District
Storey County Fire Protection District
Mason Valley Fire Protection District
Humboldt County
Nevada Division of Forestry
Nye County
City of Elko
Central Lyon County

The above listed entities will need to be contacted to determine the specific areas where they have jurisdiction.

Fire Authority for Washoe and Clark County are listed below:

Washoe County:

Sparks - [Fire Department - City of Sparks](#)
Reno - [Reno Fire Department | City of Reno](#)
Truckee Meadows - [Home - Truckee Meadows Fire District \(tmfpd.us\)](#)

Clark County:

Clark County - [Clark County Fire Department \(clarkcountynv.gov\)](#)
City of Henderson – [Fire | Henderson, NV \(cityofhenderson.com\)](#)
Las Vegas - [Fire & Rescue \(lasvegasnevada.gov\)](#)
North Las Vegas – [North Las Vegas Fire Department \(cityofnorthlasvegas.com\)](#)
Mesquite – [Fire and Rescue \(mesquitenv.gov\)](#)
Boulder City – [Fire | Boulder City, NV - Official Website \(bcnv.org\)](#)

Please see the Fire Marshals website for contacts: <https://fire.nv.gov/bureaus/FPE/Interlocals/>



Fire Flow, Demand, and Duration Identification for New Project and/or Permit for Public Water System

*This form is to be submitted to the Nevada State Fire Marshal or local fire authority.
Upon completion, submit to the Bureau of Safe Drinking Water (BSDW) with project documents.*

Information needed by BSDW (to be completed by submitting engineer OR PWS* water system representative)			
<i>BSDW project number (if assigned)</i>		<i>Population served by project</i>	
Item	Response	Item	Response
<i>Engineer name</i>		<i>PWS* contact</i>	
<i>Engineering firm</i>		<i>PWS* name</i>	
<i>Engineer phone number</i>		<i>PWS* ID number</i>	
		<i>PWS* Phone number</i>	
Brief Description and Purpose of Project (attach one overview plan sheet of proposed facility/water system layout for fire authority)			
Information Needed by Fire Marshal or Local Fire Authority (to be provided by engineer OR PWS*)			
1) Is the water system pre-1999?	<input type="checkbox"/> Yes <input type="checkbox"/> No	2) Is/are the building(s) served pre-1999?	<input type="checkbox"/> Yes <input type="checkbox"/> No
3) Apprx. year building(s) were constructed		4) Are new building(s) part of this project?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5) Are building(s) additions proposed that add square footage to structure(s)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	6) Are building(s) upgrades proposed that change structural fire ratings?	<input type="checkbox"/> Yes <input type="checkbox"/> No
7) Are building(s) usages changing that modify the fire ratings of structure(s)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	8) Are building(s) egress routes changing in any structures?	<input type="checkbox"/> Yes <input type="checkbox"/> No
9) Does this project install or modify Gaseous Chlorine? If so, discuss with Local Fire Authority.	<input type="checkbox"/> Yes <input type="checkbox"/> No	10) Are Isolation Valves part of Project? If so, discuss locations w/ Fire Authority and how they impact the nearby Fire Hydrants?	<input type="checkbox"/> Yes <input type="checkbox"/> No
11) Is additional NFPA 1142 storage needed for the water system?	<input type="checkbox"/> Yes <input type="checkbox"/> No	12) Are active sprinkler systems part of the building(s)/structure(s)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<i>Additional storage (gallons)</i>		<i>Describe sprinkler system(s)</i>	
<i>Describe tank(s) (type, number etc.)</i>			
Building #1		Building #2	
<i>Area (ft²)</i>		<i>Area (ft²)</i>	
<i>Type of construction</i>		<i>Type of construction</i>	
<i>Intended use</i>		<i>Intended use</i>	
<i>Height (ft) & number of stories</i>		<i>Height (ft) & number of stories</i>	
Building #3		Building #4	
<i>Area (ft²)</i>		<i>Area (ft²)</i>	
<i>Type of construction</i>		<i>Type of construction</i>	
<i>Intended use</i>		<i>Intended use</i>	
<i>Height (ft) & number of stories</i>		<i>Height (ft) & number of stories</i>	
Other Buildings (Number)		Cumulative for All Buildings	
<i>Total area (ft²)</i>		<i>Total area for all (ft²)</i>	
<i>Type of construction</i>		<i>Maximum height (ft)</i>	
<i>Intended use</i>		<i>Total number of buildings</i>	
<i>Height (ft) & number of stories</i>		<i>Other</i>	
Information below to be determined by Fire Marshal or Local Fire Authority (per NAC 445A.6593-.6594)			
<input type="checkbox"/> After reviewing the information submitted by the PWS* or design engineer, the building(s) was / were constructed before the 1999 fire code. Therefore, upgrades to meet current fire protection codes are not required until any of the listed changes (items 4 through 8 and 11 above) occur.			
<input type="checkbox"/> After reviewing the information submitted by the PWS* or design engineer, this project is served fire water from an independent system not connected to the potable water system.			
<input type="checkbox"/> After reviewing the information submitted by the PWS* or design engineer, the water system must provide the fire flows and durations listed below.			
Fire flow required (gpm)		Apply a 50% reduction in fire flow?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Minimum duration (hours)		Location	
Fire Authority name and jurisdiction		Fire Authority signature	
Comments/requirements:		Date evaluated	

* PWS = Public Water System