SUCTION WATER SUPPLIES

A suction water supply may be recognized for fire fighting when there is a good volume of water available, it is readily accessible by the fire department apparatus all the year and it can be expected to be available all the year including during droughts.

Please supply the following information:

1. A street map, with a scale, showing the locations of the suction water supply point (s) and of the responding fire station (s).

For each suction water supply point:

2. The location (address) with the nearest intersecting street name of the fill site.

3. For an impounded supply, cistern, tank or other storage facility; the minimum storage available (at not over 15-foot lift) during a drought with an average 50-year frequency (certified by a registered professional engineer). The maximum rate obtainable using the pumper(s) and hose arrangement scheduled to be used at this point (support by test results).

4. For a supply from a flowing stream, the minimum rate of flow available (at not over 15-foot lift) during a drought with an average 50-year frequency (certified by a registered engineer). The maximum rate obtainable using the pumper (s) and hose arrangement scheduled to be used at this point (supported by test results). The certification by a registered professional engineer* shall indicate that the suction water supply point can provide 250 gpm or more for at least 2 hours during a drought with an average 50-year frequency.

   Note: When the water supply point is a major body of water or a major stream, a certification of the minimum water level will be sufficient.

5. A description of the year-around accessibility for pumper(s) of the suction water supply point.

6. The number of pumpers that can operate simultaneously at the pumping site.

7. A statement signed by the owner of any private suction water supply point, authorizing its use by the fire department.

8. When the use of a suction water supply point at times depends upon creating an opening in ice. The maximum known thickness of ice shall be given. A statement shall be provided explaining the equipment used, apparatus carrying the equipment, and the estimated time necessary to provide a drafting site when the ice is at the maximum thickness. If the water supply point may be covered by ice, suction shall be available within 5 minutes of the arrival of the 1st piece of apparatus, or sufficient water shall be carried to allow a 250-gpm rate to be delivered from the 5-minute mark until suction is available.

9. The water supply point shall be within 5 miles of the nearest responding fire station.

10. The name, mailing address and daytime telephone number of the fire chief of the nearest responding fire department.

11. A list of apparatus responding on first alarm for fires in buildings in the vicinity of the water supply points. When the response varies, list the response to each suction water supply point.

12. A separate Apparatus and Equipment list for each apparatus listed number 11 above. Please use the attached forms.

13. List the length and diameter of the hard suctions carried by each pumper and describe their strainers.

14. All suction points shall have a posted sign that can be seen in both directions, at a distance of 200 feet from the suction water supply point.