

METHODS OF CONDUCTING SURVEYS

Method 2 – Using pressurized fire hydrants and suction points

1. Complete public protection survey contact sheet
2. Map ... (Shall identify the following)
 - a. Be sure to scale and identify the scale
 - b. Current corporate limits of city(ies) or town(s)
 - c. Current fire district, if any
 - d. Current reponse area, if different from fire district
 - e. Street names, if no names, street numbers should be listed
 - f. Location of **all** fire hydrants
 - g. Water main sizes
 - h. Pressure zone boundaries (if any)
 - i. Water system supply locations and capacities for the area being graded
 - j. Water system storage facilities and capacities in the area being graded
 - k. Location of fire station(s)
 - l. Where any creditable automatic aid equipment will enter the graded area and distance from the automatic aid station to the district line.
 - m. Location of all creditable suction points
3. Complete an Apparatus and Equipment Form for all vehicles operated by the fire department and any creditable automatic aid vehicles.
4. Submit a copy of the last service test for each apparatus with a pump. Also submit a copy of the last test of the aerial ladder or elevated platform, if either exist.
 - a. Last 3 tests will need to be reviewed during survey
5. Complete a Response Form for all volunteers, call back or off shift members that respond to structure fire call.
 - a. List the last 20 responses, or
 - b. All the structure fires for the last 12 months, whichever is the least (in the department that is being surveyed only)
6. Identify the total number of alarm responses the fire department responded to last year.
 - a. Structure fires in the city and/or fire district
 - b. Responses to first alarms outside
 - c. Indicate if outside responses were automatic first alarm responses
7. Identify an exact total number of fire hydrants and suction points in the city and/or district(s).
 - a. Plotted on map
 - b. Hydrant count break down form must be completed

8. Water System(s)
 - a. Provide maximum daily consumption (MDC) within the last 3 years
 - b. Provide the date of MDC
 - c. Provide the average daily rate in the last year
9. Suction Points (Provide the following)
 - a. Address or exact location
 - b. Water available (minimum)
 - (1) Using the apparatus and draft procedure designated to operate at this site.
 - (2) Not over a 15 foot lift during a drought with an average 50 year frequency
 - (3) Certified by a: (Name, address & phone number)
 - (a) Registered Professional Engineer
 - (b) Registered Hydrologist
 - (c) Registered Geologist
 - (d) Soil Conservationist
 - (e) Federal Surface Water Specialist
 - c. Number of Engines capable of utilizing the suction point simultaneously
 - d. Maximum rate obtainable for each of the Engines and hose arrangements scheduled to be used at each suction site
 - (1) Supported by test results of last 3 tests of each suction point
 - e. Signed statement from the owner or owners authorizing its use by the fire department and agreement to keep the site accessible.
 - f. A description of the procedure to utilize suction point if ice covers the suction point and estimated time necessary to provide a drafting site when the ice is at the maximum thickness
 - g. A description of the year round accessibility for Engine(s) of each suction water supply points
 - h. A description of the arrangement of the dry hydrant, if provided.