

E·J

Flow Tests

Flow Testing Professionals

- EJ Flow Test, LLC dba EJ Flow Tests conducts fire hydrant flow tests professionally in accordance with local AHJ and water purveyor requirements. Tests are conducted in accordance with the latest adopted edition of NFPA-291, "*Recommended Practice for Fire Flow Testing and Marking of Hydrants*". We promptly schedule and coordinate each flow test with the water purveyor and AHJ - we efficiently obtain and pay for permits as needed. We have conducted over 4,150 flow tests since the year 2000.
- We conduct flow tests safely. We utilize directional diffusers and fully equip our technicians with Personal Protective Equipment (PPE) - steel toed shoes, safety vests, etc., along with shovels, brooms, tarps, etc. We place "*Watch for Water on Road*" signs and construction cones as necessary prior to conducting tests to improve vehicular, personnel and bystander safety, and limit the liability of all stakeholders.
- We utilize high quality equipment to ensure accuracy. Gauges are 1-year old or less. Each gauge is identified with QR Codes which will display the actual receipt and purchase info for independent field-verification by inspectors and/or water officials.
- PDF reports are generated via our in-house web application (flowtestsummary.com) and are sent from the field moments after tests are completed to the witnessing parties/stakeholders. Reports exceed NFPA guidelines; they include, date, time, static-residual pressures, flowing gpm, fire-flow (gpm at 20 psi), hydrant locations and elevations, data with a safety factor, and an N¹.85 graphical water supply curve.
- We show up early or on-time to each test to limit the time the stakeholders spend at the jobsite; we save taxpayer and client's time and money. We send two technicians to conduct EACH test. We are prepared to shut down a hydrant in the event of a broken stem, direct traffic, clean up any debris, repair landscaping, etc.
- At a minimum, per NFPA-291 "*Recommended Practice for Fire Flow Testing and Marking of Hydrants*", we attempt to obtain a drop in pressure (from static to residual) of at least 25% and/or to flow at least 1,000 gpm (the minimum commercial building water flow required for firefighting purposes when applying the latest edition of the International Fire Code).
- We have our own pressure recorder that allow us to digitally monitor static pressures in a given pressure zone and map them accordingly as part of a graphical representation of the water supply. The pressure recorder can store up to 81,000 data points ranging from a few seconds to 1 year or longer (battery life dependent).
- We conduct flow tests nationally. We fly to flow tests as required anywhere in the country. When a regional flow test is required, we have our own pilot and small plane (insurance data available upon request). Our pilot is a current Captain of a National airline and was a former F-16 Fighter Pilot for 24-years; he has more than 13,000 flying hours! This allows our flow test team to usually reach a remote project site the same morning of the test. As most flow tests are required to occur during the typically most demanding time (6:00 AM to 8:00 AM), this reduces costs, not increase them, as long drives and overnight stays are often eliminated.

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- EJ Companies represents three (3) separate firms (EJ Flow Test, LLC dba EJ Flow Tests, EJ Engineering, Inc. and EJ2 Construction Group, LLC). Each company is a professional firm with all necessary licenses and insurance.
- Licensed as a Commercial Fire Protection Contractor in Arizona AZ ROC 271705 C16 with all the insurance coverages required to install and operate fire hydrants (Construction Insurance). EJ2 Construction Group, LLC is a licensed commercial fire protection contractor that also has the licensing capabilities to install and repair fire protection water supply lines including excavation, trenching, backfilling and grading, pressurizing, testing, flushing, etc. Our employees are fully versed in these areas as they apply to flow testing in accordance with NFPA-291. John Echeverri is the licensee.
- Licensed as Professional Engineers in Arizona and many other states, with all the insurance coverages required to stand behind the test data and methods (E&O insurance). George Josephs and Elliot Berg are the licensees.
- Certified as a Fire Protection Specialist with the National Fire Protection Association (NFPA) - CFPS No. 1915. NICET Level IV Certified Water-Based Fire Protection Systems Layout & Special Hazards Systems Level III since 1994. In addition, John Echeverri is a NICET Subject Matter Expert (SME), and writes and reviews national test questions for NICET (since 2009). NICET Certification No. 78493

OUR COMPANIES:

EJ Engineering, Inc. – Fire Protection Consulting Engineers

EJ2 Construction Group, LLC – Licensed FP Contractors - ROC271705 AZ Commercial C-16

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