

VRWA Exposition
Official Rules & Regulations
Two Person Annual Tapping Contest

GENERAL

- A.1 The TWO PERSON TAPPING TEAM will be required to tap a water pressurized six inch PVC pipe by installing a tapping saddle, a corporation stop to the saddle, cutting and measuring 3/4" poly pipe for connection to the main and connecting this water service line to a meter yoke.**
- A.2 The tapping team shall consist of no more than two (2) persons. Each person on the team shall be a regular employee of a VRWA Member Utility. INDIVIDUAL MEMBERS, REGULAR EMPLOYEES OF AFFILIATE MEMBERS, and regular employees of SPONSORING MEMBERS may compete; however, they will not be eligible for awards or official time recognition.**
- A.3 There may be unlimited entries from member utilities.**
- A.4 Each team will be allowed to have two (2) Official Taps, at their option, to complete the tapping contest, with the shortest time of the two taps to be their OFFICIAL TIME for the event.**
- A.5 A time period of 20 minutes shall be allowed for each team to complete their two (2) OFFICIAL TAPS.**
- A.6 All teams shall be ready to compete and at their assigned station ten (10) minutes prior to their assigned event time. Teams absent from their station at their scheduled time shall be assigned a new starting time or forfeit their turn at the decision of the Head Judge.**
- A.7 The starting order of the teams will be inverted (1st team competing will be last, and last team will be 1st) for the second tap attempt.**
- A.8 The team with the fastest OFFICIAL TIME (fastest time of the two (2) taps plus penalty points assessed, if any) will be the CHAMPIONS of the TWO PERSON TAPPING CONTEST.**

SPECIFICATIONS

- B.1** The pipe to be tapped shall be 200 psi, 6" DR 14 (or equal), capped on each end, and pressurized and regulated to a pressure of 40-45 psi by a suitable connection to a water supply. The saddle shall be positioned onto the pipe to allow a tap 45 degrees from the top of the pipe facing the meter set.
- B.2** The pipe shall be securely fastened to support blocks at a height of 16-18" to the top of the pipe above the ground or floor (see drawing attached). The support blocks shall be of adequate strength and construction to secure the pipe in a stable position and to allow for rough handling.
- B.3** The distance from the pipe to the meter yoke shall be approximately 10 feet and nearly perpendicular to the pipe to allow for the plastic service pipe to connect easily to the angle valve. The meter yoke stand may be reset by the team prior to competition at the discretion of the judges.
- B.4** The service pipe shall be 3/4" poly pipe, 200 psi, CTS or equal. The pipe shall be pre-cut lengths of approximately 15' and will require the team to make at least one cut of the pipe to accommodate Rule B.5. A provided 3/4" PVC Shell Cutter, DMSC-3 or equal will be used.
- B.5** The plastic service pipe shall touch the ground (floor) at a midway point between the pipe and the meter yoke. The service pipe must not vary from the centerline between the corp stop and meter yoke by more than 12" total.
- B.6** The team shall be required to install a 6"x 3/4" tapping saddle (S90-603 Ford Brass Saddle) or equal, to the six inch main, install a 3/4" corporation stop (FB 1000G Ford Style ball corp.) or equal onto the saddle. Tap the main using a Model 77 Ford Drilling Machine. Connect the 3/4" poly pipe to the Corp Stop (using an insert stiffener 51) and connect the opposing end (using an insert stiffener 51) to a 3/4" meter valve V43-332WG at the meter yoke stand.
- B.7** When the team has made the tap and all necessary connections, they shall open the corporation stop and clearly yell "STOP" to the judges.
- B.8** The timing for the event shall begin at the Head Judge's signal and end when the team signals "stop". At that time, the team members will leave the work area to allow the judges to evaluate the work.

JUDGING

- C.1** The judging of each event shall have two (2) persons that are experienced in water utility work. One of the judges will be designated as the **HEAD JUDGE** and shall have experience in supervising tapping procedures in the field. The **HEAD JUDGE** will make all final decisions concerning infractions of the rules and assessment of penalty points.
- C.2** The two judges shall be responsible for timing the tap with the event coordinator as a third timer for the event. The **HEAD JUDGE** will announce the **START** of the tap and will end at the **STOP** command of the team. The **OFFICIAL TIME** will be determined by omitting the fastest and slowest time, which will cause the middle time of the three timers to be the **OFFICIAL** time.
- C.3** The **HEAD JUDGE** will insure that all tools, material, and team members are in the required positions prior to starting the tap. He will also insure that the work area is free from any standing water or other unsafe conditions.
- C.4** All tapping team members will be required to provide and use normal **SAFETY EQUIPMENT**. The minimum requirements shall be hard hats, safety glasses or goggles.
- C.5** Penalties shall be:
- A.** Leaking connection, barely discernable by judges, + 4 seconds
 - B.** Leaking connection, obviously dripping, + 6 seconds
 - C.** Squirting, continuous leaking connection, + 8 seconds
 - D.** Corp Stop not within 45 degrees of top of pipe (+ or - 5 degrees), + 4 seconds
 - E.** Any crimp in service line, + 10 seconds
 - F.** Safety violation, + 10 seconds
 - G.** Procedural violation: no inserts, no cut of pipe, failure to get the coupon or pipe plug, etc. + 10 seconds
- C.6** If the saddle blows loose or any connection blows apart after time is stopped, the team is disqualified for that tap.
- C.7** Any disagreement on penalties will be decided by the **HEAD JUDGE**.

EQUIPMENT & MATERIALS

The following will be provided at tapping contest.

- D.1 Model 77 Ford Drilling Machine, extra bits will be provided for the drilling machine but no more than two (2) per team.**
- D.2 Brass tapping saddle (6" x 3/4" Ford S90-603), one each to be provided for each tap.**
- D.3 Brass corporation stop (Ford 3/4" FB-1000G Ball Corp. Stop), one each to be provided for each tap.**
- D.4 Brass Angle Meter Valve (Ford 3/4" BV43-332WG)**
- D.5 Insert Stiffener 51, two (2) provided for each tap.**
- D.6 Poly Pipe, 200 psi, 3'4", CTS, one length approximately 15' long, one (1) for each tap.**
- D.7 PVC Shell Cutter, DMSC-3, one (1) for each tap.**
- D.8 Pipe wrenches, two (2) 14"**
- D.9 One (1) nut driver or screw driver - your choice.**
- D.10 Adjustable (crescent type) wrenches, two (2) 12"**

“NOTICE”

Each team will be responsible for inspecting all materials, tools, fittings, pipe, and etc. prior to their tap. Failures or breakage of the materials or tools shall be the responsibility of the team. If faulty materials are observed, the judges will inspect them and allow the team to choose replacements BEFORE the tap begins.

Remember, this is a Fun event and an opportunity to get acquainted with other contestants. Give it your best shot, have fun, and take home the individual plaques and traveling plaque.

Good Luck!!