

ISO Water Flow Drill Attack Site Timings

Date: _____

Pumper timings:

	<p>Time to establish 250 GPM water flow. (not less than 72 psi Pitot reading with 1" tip.) (for 500 GPM 1.5" tip 58 psi) <i>NC DOI standard is 1 1/8" tip at 45 to 50 psi {252 to 266 gpm}</i> <i>Hose friction loss for 100' of 2 1/2" is 13#</i> <i>PDP= NP + FL ro 58 to 63 psi</i></p> <p>PASSING: Within 3 minutes from start of drill. Record time when:</p> <ol style="list-style-type: none"> 1. wheel chock is set 2. operator says water flow is established 3. pitot reading is at least 72 psi
	<p>Record any time the pump runs out of water.</p> <p>PASSING: Never occurs.</p>
	<p>Record any time that the Pitot pressure drops below 72 psi (and for how long).</p> <p>PASSING: Never occurs without advance warning from the pump operator. Allowed to occur once with operator advance warning.</p>

Additional equipment needed for test:

Pitot gauge with 1" tip and calibrated gauge or 1 1/8" smooth bore handline nozzle

NOTE: Operator MUST switch back and forth between booster tank and other water source without dropping below 250 GPM water flow. Booster tank should be refilled as quickly as possible without affecting hoseline flow.

ISO Water Flow Drill Tanker Timings

Date: _____

Tanker timings: Truck number: _____ Run number: _____

	Time enroute from pumper location to fill site . Driver must drive safely following all traffic laws and speed limits.
	Time waiting at fill station. (If other trucks are being filled and this truck needs to wait because it is not filled concurrently.) GOAL: No waiting
	Time to connect fill line(s). For ISO drill, timing starts when tanker is 200' before fill point.
	Time to fill tanker . Number of fill lines used: _____ GOAL: Under a minute.
	Time to disconnect fill line(s). For ISO drill, timing stops when tanker is 200' past fill point.
	Time enroute to pumper location from fill site Note: Do not include time waiting at pumper location. It is acceptable for multiple tankers to be at the pumper site or the tank to already be full.
	Time to dump water. Goal: Under a minute.

Recommendation: Try various things to reduce time at the fill location such as multiple fill lines and filling multiple trucks concurrently.