

**Beaumont Fire-Rescue Services**

**PERFORMANCE BENCHMARKS**

**404.02H**

**Producing Effective Streams at Draft**

**Discipline:** D/O  
**Effective:** 6/5/2002  
**Revised:** 10/5/2009  
**Replaces:** Driver Benchmark 214

*Anne Huff, Fire Chief*

**I. Objective**

Produce effective hand or master streams given the sources specified in the following list, so that the pump is engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems:

- A. Internal tank
- B. Static source
- C. Transfer from internal tank to external source

**II. Instructions – Procedures for Achieving the Objective**

Given a fire department pumper, the Driver/Operator shall properly position, connect, and perform a pumping operation from draft.

**III. Examiner's Note**

The Driver/Operator will not be allowed to review the performance steps at the time of testing. The Examiner chooses either master or hand stream.

**IV. Preparation & Equipment**

- A. Fire department pumper
- B. Internal tank
- C. Static source of water

**V. Reference Sources**

- A. IFSTA, Pumping Apparatus Driver/Operator Handbook, 2<sup>nd</sup> Edition
- B. TCFP, Performance Standard, Section 700-5.2
- C. NFPA 1002, 5.2.1, 5.2.2, 5.2.4

## 404.02H – Producing Effective Streams at Draft

**Discipline: D/O**

Name:	Officer #:
Evaluator:	Officer #:
Date:	Location:

**The Driver/Operator:**

**(No partial points given)**

- a) Positions the pumper to operate at a static water source ..... 2.0 \_\_\_\_\_
- b) Engages the pump ..... 2.0 \_\_\_\_\_
- c) Ensures all caps and discharges are tight ..... 2.0 \_\_\_\_\_
- d) Positions hard suction with attached strainer to facilitate drafting..... 2.0 \_\_\_\_\_
- e) Properly ties rope from strainer to stationary object..... 1.0 \_\_\_\_\_
- f) Properly primes pump until adequate supply from draft is obtained ..... P/F \_\_\_\_\_
- g) Operates pumper pressure control systems ..... 2.0 \_\_\_\_\_
- h) Operates the volume/pressure transfer valve (multistage pumps only) .... 1.0 \_\_\_\_\_
- i) Correctly operates auxiliary cooling systems ..... 1.0 \_\_\_\_\_
- j) Assembles hose lines, nozzles, valves, and appliances ..... 1.0 \_\_\_\_\_
- k) Maintains draft with no fire flow ..... P/F \_\_\_\_\_
- l) Verbally communicates troubleshooting techniques to maintain draft ..... 2.0 \_\_\_\_\_
- m) Performs entire operation safely ..... P/F \_\_\_\_\_

Points Possible	Passing Score	Attempt	Performance Rating (Points)	PASS	FAIL
<b>16</b>	<b>12</b>	First			
		Second			
		Third			