

Hydrant Flow Test Report

Location 1601 Congress St, Portland ME Date 6/20/12

Test made by Mark Radziszewski Time 1:00 PM

Representative of Freedom Fire Protection

Witness Greg Holder

State purpose of test Annual Inspection + 5 year Flow Test

Consumption rate during test NA

If pumps affect test, indicate pumps operating NA

Flow hydrants: A₁ A₂ A₃ A₄

Size nozzle 2 1/2"

Pitot reading 75

Discharge coefficient .90 Total GPM

GPM 1455

Static B 98 psi Residual B 90 psi

Projected results @20 psi Residual gpm; or @ psi Residual gpm

Remarks: Static B and Residual B were taken from the water gauge from the fire sprinkler system per the Portland Fire Department approval.

Location map: Show line sizes and distance to next cross-connected line. Show valves and hydrant branch size. Indicate north. Show flowing hydrants - Label A₁, A₂, A₃, A₄. Show location of static and residual - Label B.

Indicate B Hydrant Sprinkler Other (identify)

CITY OF PORTLAND, MAINE - FIRE PREVENTION BUREAU

Test and Maintenance Report - Private Fire Hydrant

Property/Business Information: Chart: _____ Block: _____ Lot: _____
 Property Address: 1601 Congress St. Portland Zip Code: 04012
 Hydrant # / Location(attach map): _____ / _____
 Business/Owner Name: Maine Orthopedic Center
 Contact Person: Bob Williams Phone No: 774-0342
 Mailing Address: 1601 Congress St. Portland ME Zip Code: 04012

| Test Type | |
|------------------|---|
| New Installation | [] |
| Annual | [] |
| 5 Year Flow Test | [<input checked="" type="checkbox"/>] |
| Other | |
| Describe: | |

Please be advised that we (owner / contractor) have made the following maintenance and test of the fire hydrant in accordance with National Fire Protection Standards 25, 24 and 291. This form must be completed for each hydrant located on the premises.

CONTACT THE PORTLAND WATER DISTRICT TO COORDINATE PRIOR TO FLOWING ANY FIRE HYDRANT

Report of private fire hydrant service condition (new installation, annual and 5-year flow test):

| Criteria | Status (Pass/Fail) | Corrective Action (Identify) |
|---|--------------------|------------------------------|
| Accessibility (clear/unobstructed space all around Private fire hydrant shall be no less than three feet) | <u>Pass</u> | |
| Leaks in outlets or at top of hydrant (no leakage allowed) | <u>Pass</u> | |
| Proper drainage from hydrant barrel | <u>Pass</u> | |
| Cracks in hydrant barrel/flange | <u>Pass</u> | |
| Tightness of outlets (wrench tight) | <u>Pass</u> | |
| Worn or incorrect outlet threads | <u>Pass</u> | |
| Worn hydrant operating nut | <u>Pass</u> | |
| Hydrant has 4 1/2" steamer port | <u>Pass</u> | |

IF THE PRIVATE FIRE HYDRANT IS FOUND NOT SERVICEABLE, IMMEDIATELY NOTIFY THE DISPATCH CENTER AT 874-8576, COVER AND SECURE THE HYDRANT WITH A BAG, AND THEN NOTIFY FIRE PREVENTION AT 874-8400.

Barrel Flow Test (new installation or annual):

Checked boxes below indicate "yes"

Hydrant fully opened All foreign material cleared
 Flow duration greater than one minute Barrel is plugged and pumped out

Maintenance (new installation or annual):

Weeds and obstructions cleared from within three feet of hydrant Hydrant caps and threads inspected
 Rust and scale removed Lubricated flagged []

Marking (new installation or annual):

Painted [] (Bonnet - Gray) (All paint shall be Rust-Oleum brand or equal)
 (Caps- Silver)
 (Barrel- Red)
 (Bonnet Flange - per table)

| Flow (gpm) | Class | Color |
|------------|-------|------------|
| < 500 | C | RED |
| 500-999 | B | ORANGE |
| 1000-1499 | A | GREEN |
| ≥1500 | AA | LIGHT BLUE |

3" red hydrant number painted on street side of the bonnet - starting with 1 at the furthest hydrant from the complex or street entrance

High Pressure Hydrants (static pressures ≥ 125 psi) shall be marked "HP" before the hydrant number (ex. HP-1, HP-2, etc.)

Flow test (new installation, once every five years thereafter, or if previous flow report not available):

Hydrant flow testing per NFPA 24 Annex C. Attach NFPA Hydrant Flow Test Report (See NFPA 24 Figure C.4.11.2)

Certification:

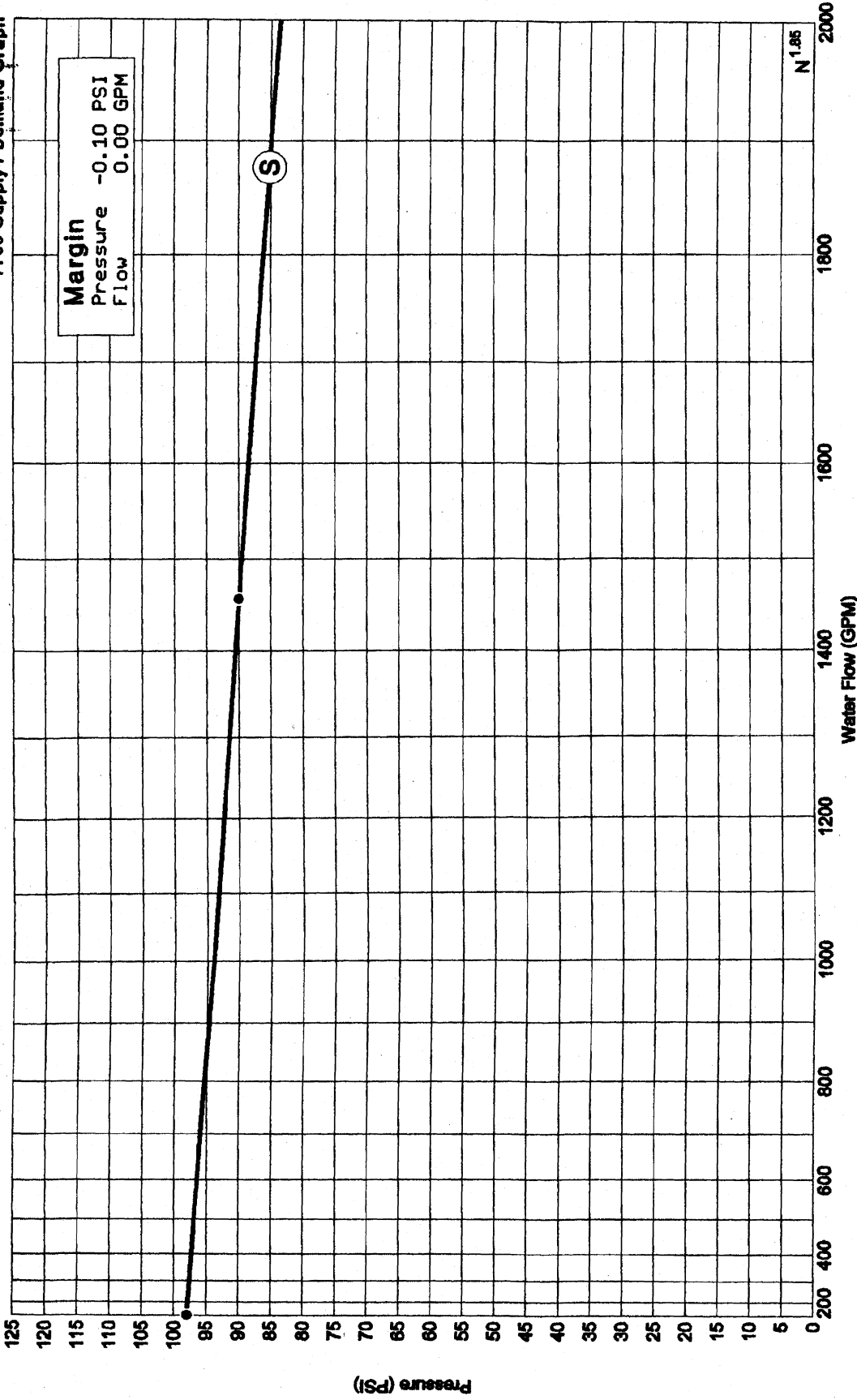
I hereby certify the foregoing data to be correct and the statements to be true.

Testing company: Freedom Fire Protection Phone No: 627-4109 FAX No: 627-7340
 Address: 209 Quaker Ridge Rd City: Casco State: ME Zip Code: 04015
 Tester's name (print): Mark Radziszewski Tester's signature: Mark Radziszewski
 Test date: 06/20/12 Contractor's Lic. # 295
 M M D D Y Y

E-MAIL COMPLETED FORM(S) AND MAP TO fireinspector@portlandmaine.gov

MAINE ORTHOPEDICS FLOW TEST GRAPH

Sigma Dynamics Corporation
7700 Supply / Demand Graph



N^{1.85}