E.D. BULLARD COMPANY

• PRODUCT EVALUATION REPORT •

PRODUCT EVALUATION REPORT NUMBER: PER 1899

DATE: April 21, 2005

TO: John Hays

CC: J. King, Mike Savarin, Wayne Ruggles, Aaron Hill
Product Evaluation Report Files

PRODUCT EVALUATED: Blue PX firehelmets.

EVALUATED BY: Jeff Himes

PURPOSE OF EVALUATION: To determine if the PX helmets meet the requirements of NFPA 1971-2000, Protective Ensemble for Structural Fire Fighting.

SPECIMENS: A total of 2 Blue PX helmet shells were put through various washing machines and were provided by Aaron Hill.

METHOD(S): Two tests were conducted in accordance with NFPA 1971- 2000 Edition:
1. Impact resistance test (force), in which the helmet is conditioned with convective heat exposure at 285°F for 10 minutes. The helmets are subjected to a top impact by an 8 lb. mass dropped from a height that yields a velocity of 17.9 ft./sec. The maximum transmitted force shall not exceed 850 lbf.
2. Resistance to heat test, in which the helmets are placed in a 500°F oven for 5 minutes. Maximum deformation shall not exceed 30 mm (1 3/16 inches) at front and sides, and 40 mm (1 5/8 inches) at the back. No parts of the helmet assembly that did not contact the headform before the test shall contact the headform as a result of this test. There shall be no separation, melting, or dripping of the retention system. No part of the faceshield or goggle that was not below the brim line shall be below the brim line after the test. The chin strap closure device shall remain functional.

RESULTS: The sample firehelmet that was used in test method #1 exhibited a transmitted force of 439.16 lbf. The sample firehelmet used in test method #2 exhibited conforming results to the requirements of NFPA 1971-2000in the test conducted above.
In conclusion, the sample helmets meet the requirements of NFPA 1971- 2000 Edition for each test conducted. Although the sample helmets met the requirements as described above, use of washing machines to clean the helmet isn't mandated by Bullard's user manual.

I certify the above evaluation was conducted in accordance with standard methods.

Mike Savarin,
Laboratory Manager