



Wahat Al-Aman

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General H.H. Sheikh Mohammed Bin Rashed Al Maktoum, Dubai, Crown Prince and U.A.E Minister of Defence Going Through "WAHAT AL AMAN" last issue.

الرفيق الاول سمو الشيخ محمد بن راشد آل مكتوم ولي عهد دبي وزير الدفاع يتصفح العدد الاخير من واحة الامان.



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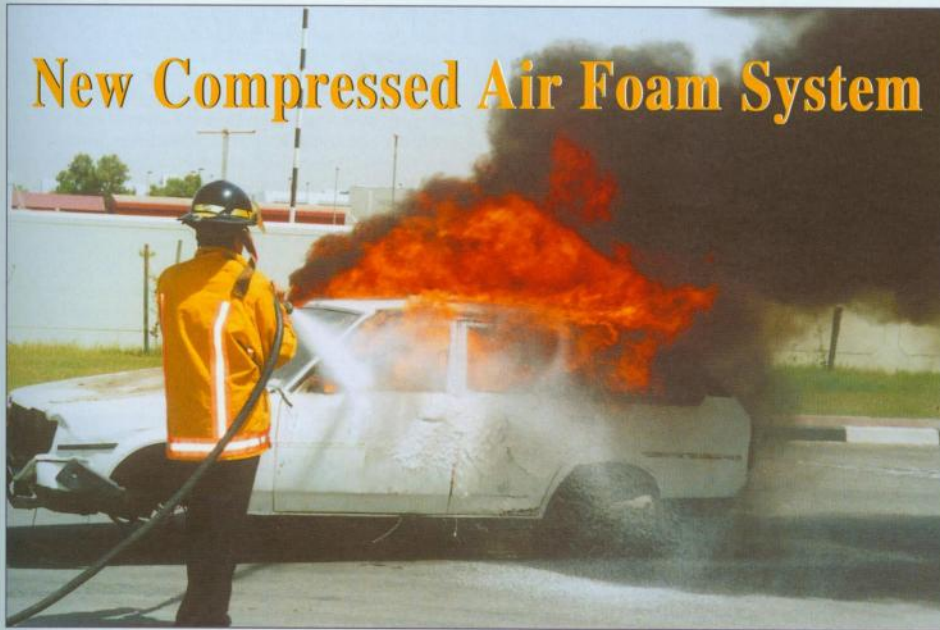
One World

One Festival

Together to save our children



New Compressed Air Foam System



مما من أجل سلامة أطفالنا



Mr. Mike Harvey

Dubai Civil Defence Administration, in line with its programme to pursue latest technologies in the field of fire fighting product, has hosted fire Tec Security & Safety Equipment LLC whose experts have introduced a new fire fighting system known as compressed air foam system "KAFS". To shed light on the new state-of-the-art. Pyrocool foam system, we have the following brief interview with the

product designer team work.

What were the circumstances surrounding your initial interest in the fire industry and in particular, CAF machines?

Mr. Mike Harvey Senior, the CEO of OFB International Ltd. explained. "A few years ago, in Victoria, a state of Australia, several fire fighters were burnt to death in a bush fire situation. This impacted the lives of all Australians. I believed that there had to be a more efficient, fast and safe method to protect fire fighters. I looked at the CAF's on the market today and sat down with my engineer and developed, firstly, a unit that could completely cover the fire tender with foam, in the event of the fire fighters being caught in a firestorm situation. This invention led on to the development of the 150-litter unit and progressed to the other units in our range. Our machines are the only CAF's on the market today that have no moving parts. They

are simple and efficient, and require only one person to operate. They require next to no maintenance, only needing a visual check of hose lines and the O-ring".

Where are your machines sold?

Mrs. Loretta Harvey, Director of OFB International Ltd. answered. "We sell our machines all over the world, to 13 countries, incorporating Military, Petro-Chemical Companies, Fire departments, Mining Industry, Search and Rescue and Marine Industry. Fixed units have been fitted underground at Mt. Isa Mines in Australia, buildings and marine vessels, and also protect areas at Chevron Oil in New Guinea".



Mrs. Loretta Harvey

What are the sizes of the machines you manufacture?

Mr. Michael Harvey Snr. answered. "We build from a 9-litter, 150-litter, 300-litter, 500-litter, 1000-litter and 2000 litter. We are able to build any size for any application, mobile and fixed units".

Where have your machines been used to put out fires?

Mr. Malcolm Newing, Director of OFB International Ltd. answered. "All over Australia by Country and City Fire Departments, in Monterrey, Mexico, at the two last Indy Car Races, we were the only fire protection on the entire track. We had our units fitted to the trays





Together to save our children

of conventional fire tenders, and also had the wheeled units at strategic points around the track. Several fires were extinguished by the CAF's. In Mount isa Mines, we are the only fire protection underground and the units have been used for fire extinguishments".

How did the association with Pyrocool begin?

Mr. Mike Harvey Junior, a director of the company answered. "After the machines were developed and patented, my father studied the foams that were available on the market at that time. He commissioned a scientist to conduct studies on the AFFF foams, and through this study, discovered the dangers of these types of fire fighting foams. Because of these findings, he made the commitment to not use any foam in our equipment that was deadly to the user. He searched all over the world for a foam that was safe for the user and the environment and found Pyrocool".

What makes your machines so effective?

Mr. Michael Harvey Snr. answered. "CAF machines expand the foam up to 10 times, which greatly enhances the fire fighting capability if there is a short supply of water".

How did you choose Fire Tech to be your agents here in the UAE?

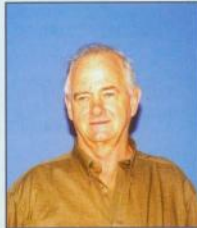
Mr. Michael harvey Snr. answered. "We have known Osama Radwan and Ali Fahad Shuhail for some time and we are very pleased that they wanted the agency for our products. We are, on this trip, negotiating with engineering companies to manufacture our patented CAF's here under license".

Is the substance considered safe for humans, and living creatures, properties and the environment?

Mr. Robert E Tinsley, Jr., Principal and CEO of Pyrocool Technologies Inc. said, "Pyrocool is non-toxic and non-hazardous to humans, animals and to the environment. Phrocool Technologies Inc. is a recognized world leader in the development of environmentally responsible and versatile fire extinguishment products. In 1998, Pyrocool was awarded the **Presidential Green Chemistry Challenge Award** for its development of Pyrocool. This award is the highest award given by the U.S. Environmental Protection Agency (EPA) for environmental contribution to the nation. This award is presented by the Vice President of the United States. Pyrocool is fully and rapidly biodegradable and will not harm waste water facilities".

What distinguishes Pyrocool from conventional fire fighting foams, which have been used by the fire service for many years?

Mr. Tinsley explained, "Pyrocool was developed to be a multi-purpose fire-fighting tool. It can be effectively used on a broader range of fires than any other product available in the world today. It



Mr. Malcolm Newing

extinguishes pressurised and three-dimensional fires, as well as deep-seated fires and combustible metal fires. Pyrocool was the only fire fighting foam used at the World Trade Center disaster site in New York City. These fires were burning 40 to 50 meters below ground level and they were intensifying and spreading into areas where large refrigerant tanks were placed. There was concern that the heat from the fires would rupture the tanks, thereby releasing large amounts of poisonous gas. Pyrocool penetrated deep into the massive debris piles and extinguished numerous large fires. Pyrocool has successfully extinguished many other large fires including: the oil tanker *Nassia* off the coast of Turkey; a 30,000 litter gasoline tanker truck fire in New York City; and a 83,000 litter acetone rail tanker fire which was one of the fifty most destructive fires in the United States in 1998 (according to National Fire Protection Association records). Pyrocool was also used on the massive fires that resulted from the earthquake in Turkey in 1998. In addition to the Fire Department of New York, Pyrocool is currently by the Canadian Atomic energy Commission



and is also used exclusively to protect the Port of Cape Town, South Africa. Pyrocool is also used by the Turkish Navy. Pyrocool is used at a very low mixing percentage (0.4%) with water. For example, only 4 litres of Pyrocool concentrate is required to treat 1000 litres of water. This is an extremely valuable advantage in circumstances where water is scarce. Pyrocool was developed to make the firefighter's job easier, more efficient and safer".

Was Pyrocool developed to supercede conventional foams?

Mr. Tinsley explained. "Yes, it is now well documented that foams made with a fluorine chemical base are dangerous to both humans and to the environment. Pyrocool contains none of this chemical. Our chemists worked extremely hard to develop a product that would extinguish all types of fires and be more cost efficient and more environmentally friendly than other foams. We guarantee that Pyrocool will remain effective for at least 10 years, when properly stored. Because of the recent decision of 6M, the industry leader in world wide production of AFFF foam, to discontinue production of its products, users around the world have now been made aware of the dangers associated with using and handling fluorine based chemicals.

Because Pyrocool does not present these dangers, the US EPA presented Pyrocool Technologies Inc. with its most prestigious award.

Fire fighters around the world have come to respect and rely on Pyrocool. Pyrocool is indeed the Foam Of The Future".

