

Bradley Wright – Radiological Resilience and Disaster Recovery Experience and Expertise

A MOD(RN) trained **Nuclear, Biological and Chemical Defence specialist** and **Radiation Safety Officer**, Bradley has more than 20 years of expert training and experience planning, leading, managing and operating throughout all phases of radiological emergencies .

He has managed, trained and assessed others to manage radiological safety, hazards and nuclear weapons in ships and shore establishments and has planned, directed and taken part in comprehensive radiological emergency training exercises including:

- the containment and recovery of damaged and charred nuclear depth bombs following a helicopter crash on deck scenario;
- radiation leakage from weapons housed in magazines internal to HM ships;
- preparation for and recovery from nuclear air and land burst weapons;
- correct selection, use, removal, decontamination and disposal of personal protective equipment
- preparation for and transit through radioactive environments including use of pre-wet and forced roll procedures to minimise contamination of the ship's superstructure and equipment;
- detecting, measuring, monitoring and reporting individual, collective and environmental radiation levels;
- operating full shelter stations beneath the water line,
- establishing, maintaining and operating from a pressurised citadel – establishing minimum manpower levels to maintain operational effectiveness then rotating crews dressed in full personal protective equipment through full airlock and cleansing station procedures to recover injured staff, detect and monitor radiation levels and decontaminate personnel and equipment.

During the recent Gulf War in 2003 he also led ship's preparations for chemical and biological warfare – involving most of the same techniques used for radiation hazards – as the ship's expert and command advisor on NBC Defence; managing all training, equipment and procedures needed to ensure a safe and timely response to multiple false alarms and real¹ detections of chemical agents.

As Chief Emergency Planning Officer at Portsmouth City Council, he planned and directed a comprehensive training package for service leaders and key staff from both Southampton and Portsmouth City Council together with MOD and emergency services personnel before conducting a joint military/civilian live exercise (GOLDEN FOX 07) inspected by both the HSE and MOD NII to demonstrate the effectiveness of Portsmouth's plans to manage a nuclear submarine reactor accident.

This exercise included:

- pre-deployment and controlled issue of potassium iodate tablets and infant syrup to staff and citizens;
- comprehensive warning and informing of the public;
- full media exercises including TV and radio interviews of key spokespeople;
- full environmental health involvement to monitor and avoid contamination of food and water;
- handover from police controlled GOLD to local authority GOLD;
- planned remediation of the city by removal or reduction of all contaminated areas;

Bradley's unique experience of civil and military radiological operations and strategic incident management provides him with an almost unrivalled understanding of the priorities, hazards, strategies, techniques and psychology of operating in and leading others during a radiation emergency.

If you would like advice or assistance with planning for, exercising or managing a radiation incident, please get in touch via e mail or telephone. Contact details are at www.veterusconsulting.com

¹ Whilst operating in the Northern Arabian Gulf 15 miles off Al Fawr, a "blood agent" weapon was detected by a ship's sensor leading to a wholship response. Subsequently determined to be due to cyanide from cigarette smoke!