



## **BADGP Summer Seminar: The Transport of Radioactive Materials and Class 7**

Thursday 23<sup>rd</sup> June 2022  
Crewe Hall Hotel, Crewe

### **Our Speakers**

#### **Geoff Frackelton, Principal Inspector, Office for Nuclear Regulation ONR Roles, Updates & Responsibilities**

The Office for Nuclear Regulation (ONR) regulates the civil transport of radioactive material by road, rail and inland waterway. Regulation is on behalf of the Chief Nuclear Inspector, to ensure safety and security.

Geoff Frackelton is an experienced Principal Inspector within ONR and is currently the head of transport inspections for GB. Geoff previously worked for 12 years as one of HM's Principal Mechanical Engineering Specialist Inspectors for the Health and Safety Executive gaining extensive experience in forensic engineering, regulation, investigation, and enforcement across a wide variety of industrial sectors.



Geoff gained his nuclear experience working as a design engineer with the United Kingdom Atomic Energy Authority which followed his engineering apprenticeship and graduate training in the automotive industry. He is a Fellow of the Institution of Mechanical Engineers and is a Chartered Engineer.

#### **Dave Holt, Nuclear Transport Solutions Class 7 Training**

David Holt is a Lead Transport Operations Manager at Nuclear Transport Solutions, responsible for providing turnkey solutions and the planning, preparation and delivery of the world's most sensitive nuclear material by road, rail and sea.

David is an expert in the international modal regulations governing the transport of radioactive materials (Class 7), with over 12 years of expertise in delivering complex nuclear transport



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operations and delivering solutions across the UK, Europe and Japan. He is also a lead instructor delivering commercial training service in the international regulations governing transport of Class 7.

Please contact [david.holt@ntsglobal.uk](mailto:david.holt@ntsglobal.uk) for training enquiries:

Level 1 - Class 7 Basic Awareness All Modes

Level 2 – Class 7 Function Specific Skills ADR, RID and IMDG

Level 3 – Class 7 Mixed Radionuclides

## **Mark Britt, UK Transport Regulatory and Compliance Manager, Westinghouse Recovery Plans: CDG Amendments**

Responsible for safe secure compliant transport of class 7 radioactive material in the UK and abroad.

I have over 35 years' experience within the civil nuclear industry, I am chartered mechanical engineer and qualified and experienced DGSA.

I am a representative on a number of domestic and international forums including ISO/TC 85/SC5/WG4 Transport of Radioactive Materials. The scope of Working Group 4 is to develop and maintain international standards associated with the equipment and procedures used for the transport of radioactive material.

I represent Westinghouse at the UK Radioactive Materials Transport Users Committee RAMTUC, including various working groups such as CDG 2019 Working Group. I am the Westinghouse representative on the UK RADS SAFE Working Group including RADS SAFE CDG 2019 Working Group. I also represent Westinghouse at the World Nuclear Transport Institute WNTI, in particular the HEXT Working Group, Transport Security Working Group, Aging Management Working Group, and SSR-6 Update Working Group, and I am co-author of a number of WNTI guidance notes.

Over my time working within the civil nuclear industry, I have established a good network of transport peers around the world some of which are recognised as the world experts in their fields. This network has allowed me to gain a good working knowledge of SSR-6, CDG 2019, ADR, IMDG, IATA, and NISR's.

## **Gill King, Emergency Planning Engineer, EDF Energy RAMTUC/RADSAFE Industry Body Overview**

I have in excess of 30 years transport experience that began with me joining the Royal Air Force as a Movements Controller after growing up in the North West of England and leaving the area as a qualified chef. Following initial trade training at RAF Brize Norton I went on to postings at RAF Northolt (London) and RAF Bruggen (Germany) before ending my service career after 9 years at RAF Lyneham. The opportunity for travel was frequent and I saw detachments to the Falkland Islands, Egypt and the US to name but a few; the workload within the trade varied from dealing with passengers (walking/ talking freight - the ones that generally caused the complications) to baggage handling and freight loading including load planning. It was during my time with the RAF that I qualified as a consignor of dangerous goods by road, air and sea.



On departure from the RAF I went on to work as a Cargo Agent for one of the airline handling agents at Heathrow which led to me to AEA Technology where I became more involved with transport of radioactive material outside of the nuclear industry. Fast-forward 11 years to my employ with EDF Energy where I reacquainted myself with the other classes of dangerous goods and I added rail to my DGSA qualification.

After 9 years as the Company DGSA for EDF Energy I have begun a transition to Emergency Preparedness as an Emergency Planning Engineer where I am taking my transport experience into supporting development and management of off-site transport incidents, my primary role being management and co-ordination activities of the Central Emergency Support Centre.

## **Duncan Chase, EDF Energy Packaging Hierarchy**

**Duncan Chase CEng MIMechE  
RMT Package Engineering Lead, EDF Energy Generation Ltd.**

I have worked in Class 7 transport for the licenced Nuclear industry for 12 years.

I am a trained DGSA and the technical lead for Class 7 transport with EDF Energy, responsible for through-life management of Class 7 packagings, and operational support for Radioactive Materials Transport (RMT).

As part of this role, I have established the company's management arrangements for Dangerous Goods and RMT packagings. I have acted as lead engineer for the design of packagings and supporting plant systems, including major projects as part of our preparations for defueling and decommissioning. I also act as a subject-matter expert during emergencies involving radioactive materials in transport.

I have represented the company at national and international level, including consulting with the regulators on international regulations. I have authored national guidance on design and

certification of packagings, and on classification of goods with both Class 7 and non-Class 7 hazards.

Previously, I have also worked as a packaging design assessor and site inspector for the Office of Nuclear Regulation's transport division, with a focus on the non-licensed medical sector.

## **PC Terence Harvey, Suffolk Constabulary National Carriage of Dangerous Goods Practitioners Forum**

### **Roadside Enforcement from the Police Perspective**

Terry has served as a Police officer with Suffolk Constabulary for 19 years, 12 of which as a roads policing officer which includes conducting roadside checks on ADR vehicles. He qualified as a DGSA in 2015 and he is a radiation protection supervisor. Terry is part of the specialist operations department as a commercial vehicle specialist working on tachograph/drivers' hours analysis, overweight vehicles, load security, vehicle examination, plant and agricultural vehicle identification, collision scene management. Terry is also a



CBRN officer, advanced search officer and a few other bits too. Terry has led on hazmat incidents within Suffolk, work with contingency planning to write procedure regarding hazmat and participated in large scale exercises with Sizewell Nuclear power station. Terry is the current Chair of the National CDG practitioner's forum.

### **National CDG Practitioners Forum**

The CDGPF was created in 2000 by two police officers who thought that a more standardised approach to enforcing hazmat made sense. The initial meeting received the backing of ACPO, DfT & HSE, then went across the UK. This coincided with the HSE returning inspection powers back to Police forces which now include ONR in relation to Class7. The forum meets twice a year and is attended by police forces from across the UK, Government agencies and, more importantly, industry representatives.

## **Jason Dearsley, National Carriage of Dangerous Goods Practitioners Forum Roadside Enforcement from the Police Perspective**

My name is Jason Dearsley and I have been a Police Constable since 1998. I have been on Roads Policing for nearly 17 years with the majority of that as a Police Sergeant. Currently I am in command of the Commercial Vehicle Unit for Essex Police, where I supervise the daily operations relating to Commercial vehicles, including the movement of abnormal indivisible loads, as well as supporting in times of high demand the main Roads Policing Units. I am trained as a Lead Investigating Officer for Road Deaths, a Road Scene Manager (Managing complex scenes and traffic management with partner agencies and emergency services). I am also a tactical advisor for pursuits and authorised to carry Taser, as well as the qualified trainer for the Tier 1,2 & 3 National Dangerous Goods training packages for my force.



I also have UK wide responsibilities as the Vice Chair for the National Carriage of Dangerous Goods Practitioners forum (NCDGPF), a role I have performed since 2018. I am an accredited Dangerous Goods Safety Advisor, having held this qualification for six years. I am a trained Radiation Protection Supervisor, and have been working on the roll out of Class 7 enforcement training across all enforcement bodies in the UK.

Outside of work I enjoy rambling around East Anglia, which may well involve the odd public house. I am blessed to have a very understanding wife and a wonderful son.

## **Ian Hancock, Cordstrap Rare Earth Elements**

Ian has over 30 years' experience of Sale and Marketing working for a number of "blue chip" companies including Yellow Pages, Euromaster, Securitas and Reed Business Information. Having joined Cordstrap Ltd (the World leaders in cargo securing) 2 ½ years ago, he is responsible for providing technical support for Clients across a diverse range of industries, including Original Equipment Manufacturers, Export Packers, the Ministry of Defence and Project Managers.



Working with colleagues based in over 50 countries around the Globe, his special focus within Cordstrap UK Ltd is "Dangerous Goods" and their safe transit within the supply chain.

Ian holds both a current truck licence and ADR qualification, is married with 3 grown up children and lives near Exeter.

## **Marc Flynn, Director, TAM International UK Ltd Rare Earth Elements**

With more than 35 years of experience in the European nuclear industry – including 21 in radioactive material transport – Mr. Flynn has a wealth of experience with the technical, regulatory, commercial aspects of nuclear operations. Mr. Flynn, currently is appointed as Director for TAM International UK Ltd. He is primarily responsible for Business Development and Project Management within the Special Project sector in Europe. This involves developing and executing tailor-made logistics solutions for a wide range of European customers. Mr. Flynn previously held senior logistics positions in both International Nuclear Services and the UK's Low Level Waste Repository Ltd. Where he also held Director's appointments for the UK's RAMTUC and RADSAFE CCLGs.

