

## **Michael Leonard Hodgson IEng MInstNDT**

### **PERSONAL DETAILS**

DATE OF BIRTH: 18th February 1965

AGE: 47

MARITAL STATUS: Married

CHILDREN: 2 boys aged 22 and 20

DRIVING LICENCE: Full

I am currently employed by Oceaneering as an Inspection Engineer and primarily work from my Wilton site base. I carry out tank inspections, pressure vessel inspections, piping inspections and plant inspections to PSSR & PED working to UKAS RG2 at Category 2 Inspection Engineer level. I advise in repair procedures for failed equipment and witness or monitor the repairs being carried out. I specialise in Eddy Current Flaw Detection of plate, pipe and welds, Infra Red Thermography, Titanium Anodising and I am fully qualified in all general NDT Techniques such as Radiography, Mag particle, Dye penetrants and Ultrasonics. On top of this I am also a CSWIP and European Welding Federation Welding Inspection Practitioner as a back up to my Advanced Welding Engineering Diploma. Qualified as ASNT & PCN level 3 in Electromagnetic Inspection and actively involved in developing company procedures, setting up techniques specific to client needs and training of eddy current technicians.

### **CURRENT QUALIFICATIONS & GOVERNING BODY MEMBERSHIPS**

- Incorporated Engineer (IEng) – Engineering Council UK
- UKAS Approved RG2 Inspector Category 2
- PCN level 3 Electromagnetic Testing (Eddy Current)
- ASNT Level 3 Electromagnetic Techniques
- GCGI – Graduateship Award in Engineering (Degree level)
- FIAQP – Fellow of the International Association of Quality Practitioners
- PCN level 2 Radiography & Interpretation
- PCN level 2 Magnetic Particle Testing
- PCN level 2 Dye Penetrant Testing
- PCN Level 1 Ultrasonic Testing
- CSWIP – Welding Inspection (The Welding Institute)
- EWIP – European Welding Inspection Practitioner (Diploma)
- IRATA – Industrial Rope Access Trade Association Level 1
- MInstNDT – Member of The British Institute of Non Destructive Testing (BINDT)
- LEP – Licensed Engineering Practitioner (BINDT)
- LCGI – Licentiate of City & Guilds of London Institute (foundation degree level)
- Advanced Welding Engineering (City & Guilds)
- Approved Engineering Construction Supervisor (ECITB Silver Card)

### **EXPERIENCE**

Current (2003 onwards) UKAS Cat 2 Inspection Engineer  
NDT Specialist for **Oceaneering**,  
Senior Inspector and Coordinator during plant outages.  
Advise clients on repair procedures.  
Produce Weld Procedure Specifications. (WPS)  
Multi disciplined NDT activities and specialising in Eddy  
Current Inspection, Thermography & Titanium Anodising.  
Contracts throughout the UK & Scotland.

*1998 to 2003* NDT Co-ordinator for **OIS** Teesside. Largely based on the Multi Chemical Wilton site but also work at various locations throughout the UK and Scotland. Co-ordination of daily and overhaul work. During this time I developed the Eddy current flaw detection technique for Chloride stress corrosion cracking in Austenitic Stainless Steel and wrote a technical paper, which has been published by the British Institute of NDT Journal.

*1996 to 1998* NDT Co-ordinator for **ICI**, duties involved planning for overhauls, control and execution of work. Worked both in the UK and abroad on short projects.

*1991 to 1996* NDT technician for **ICI** on Wilton site, during this time I became fully conversant with all aspects of NDT and became the most qualified within my group.

*1986 to 1991* Class 1 Welder at **ICI**, I was qualified in GTAW, SMAW & GMAW as well as gas welding on a wide range of materials including Titanium, Incolloy and CrMo. Most of my work involved boiler and furnace retubes.

*1982 to 1986* Welding Apprenticeship for **ICI** with college work at Longlands where I gained an Advanced Welding Engineering Qualification and Licentiate into City & Guilds. During this time I was awarded "*The most outstanding student of the year*".

*1981 to 1982* Youth Opportunities programme where I received training in building refurbishment including bricklaying, plumbing and roofing.

*1976 to 1981* Warsett Comprehensive School.

### **PERSONAL INTERESTS**

My main passion is Ballroom Dancing. I started competing in November 2007 and have been progressing through the ranks picking up more than 100 trophies so far. Currently competing at International level. I enjoy walks through the Guisborough hills, going out for meals, Cinema and Rock concerts. I enjoy computing and can often be found installing new components and software to enhance my system or repairing friends and family PC's. Currently trying to learn electric guitar, Unicycle and juggling. I have a keen interest in magnetic and holistic therapies, meditation and wellbeing.

## CLIENT BASE:

SABIC	AMEC	Terra
Artenius	Babcock	Texaco
DuPont UK & Scotland	Kvaerner	UK Fire
Huntsman	ABB (Eutech)	BOC
Semb Corp	Luigi Resta (Italy)	Lucite
Union Carbide	Synetix	FR Aviation
ROCHE	Fabricom	Sabic
CIBA	BKE	Dow & Dow Halterman
ICI UK & Scotland	Man Turbo	BASF
Uniqema	Air Tech	Radley Engineering (Ireland)
BP UK & Azerbaijan	Nissan	Invista

## TRAINING RECORD:

- 2012 Fellow of the International Association of Quality Practitioners (FIAQP)
- 2011 CSWIP 20yr Renewal  
ASNT NDT Level 3 Electromagnetic Techniques
- 2010 IEng Registration (Incorporated Engineer)  
UKAS RG2 Category 2 Inspection Engineer  
Graduateship Award in Engineering GCGI
- 2009 MInstNDT membership upgrade at BINDT  
UKAS RG2 Inspection Engineer Grade 3  
*First Aid at Work*
- 2008 PCN Level 3 Electromagnetic Testing (Eddy Current)  
*PCN2 5yr renewal Radiography*  
*PCN2 5yr renewal Magnetic Particle Inspection*  
*PCN2 5yr renewal Dye Penetrant Inspection*  
*PCN1 5yr renewal Ultrasonic*  
*PCN1 5yr renewal Radiation Safety*
- 2007 PCN level 2 Eddy current Flaw detection 5yr renewal  
*Positive Material Identification (PMI) Using Xmet 3000*
- 2006 Graduate of the British Institute of Non-Destructive Testing (GInstNDT)  
*EngTech Registration with The Engineering Council*  
*Licensed Engineering Practitioner (LEP)*  
*Pulsed Eddy Current Practitioner (PEC)*  
*CSWIP 15yr Renewal*  
*Risk Assessment Qualification*  
*First Aid at Work*

- 2005 Approved Engineering Construction Supervisor (ECITB Silver Card)  
*Confined space entry & rescue at NETA*
  
- 2003 IRATA (Rope Access) Level 1  
*PCN2 5yr renewal Radiography*  
*PCN2 5yr renewal Magnetic Particle Inspection*  
*PCN2 5yr renewal Dye Penetrant Inspection*  
*PCN1 5yr renewal Ultrasonic*  
*PCN1 Radiation Safety*
  
- 2002 PCN2 Eddy Current Flaw Detection
  
- 2001 CSWIP 10yr renewal
  
- 1999 ASNT2 Eddy Current Flaw Detection
  
- 1998 PCN2 Radiography  
*PCN2 Magnetic Particle Inspection*  
*PCN2 Dye Penetrant Inspection*  
*PCN1 Ultrasonic*
  
- 1997 IR Thermography at AGEMA  
*Cleveland Ambulance 1st aid*
  
- 1996 ASNT2 Magnetic Particle Inspection  
*CSWIP (5 year renewal)*
  
- 1995 ASNT2 Eddy Current Inspection at Lavenders  
*European Welding Inspector level 4, European Welding Federation*  
*Titanium Anodising training*  
*Cleveland Ambulance 1st aid*  
*Drive and Survive*
  
- 1994 ASNT2 Ultrasonic Flaw Detection of welded plate  
*ASNT2 Ultrasonic Flaw Detection of welded pipe*  
*ASNT2 Ultrasonic Flaw Detection of studs & bolts*  
*ASNT2 Radiography & Radiograph interpretation*  
*ASNT2 Magnetic Particle Inspection*  
*ASNT2 Dye Penetrant Inspection*
  
- 1993 ASNT2 Metascop (in house at ICI NDT)  
*ACPD Training*  
*Ultrasonic weld examination (The Welding Institute)*
  
- 1992 Magnetic particle & Dye penetrant Inspection (The Welding Institute)  
*Cleveland Ambulance 1st aid*

- 1991 CSWIP Welding Inspection (The Welding Institute)  
*Practical Radiography (The Welding Institute)*
- 1990 Welding Inspection course at Longlands College
- 1989 NETA Abrasive wheels training and certification
- 1986 Licentiateship of City and Guild of London Institute (LCGI)  
*Advanced Welding Engineering* (City and Guild of London Institute)
- 1985 Welding Engineering part 3 (City and Guild of London Institute)  
*Awarded most outstanding welding student at Longlands College*
- 1984 Welding Engineering part 2 (City and Guild of London Institute)  
*Welding Engineering part 2 (NCFE)*  
*Industrial Society's Responsibilities at work (Keble College Oxford)*
- 1983 City and Guilds Vocational Preparation at Longlands College  
*City and Guilds Skill testing at Longlands College*  
*Foundation course in basic Engineering completed at ICI*  
*POSPA Health and Safety*
- 1982 B/Tec Level 1 Maths  
*B/Tec Level 1 Physics*  
*B/Tec Level 1 Engineering Drawing*  
*B/Tec Level 1 Instrument systems*  
*B/Tec Level 1 Workshop procedures*  
*B/Tec Level 1 General studies*
- 1981 Youth Opportunity Programmes (2 concurrent)
- 1981 Warsett Comprehensive School  
*GCE Physics, Biology, English Language*  
*CSE Physics, Biology, Maths, History, French, Engineering drawing,*  
*English studies, English and Craft & Design*

**Employer Contact N°s:**

Ian Forsyth 01642 770800 European NDT Manager at Oceaneering

Nick Bushby 01642 770800 Project Manager