

PROFESSIONAL DEVELOPMENT / TRAINING RECORD



NAME: ERIC PETTETT

OFFICE: LEEDS C&S

Date	Duration (Hours)	Organiser	Code	Activity Description	Assessment	Follow Up	Confirmation Signature
19/10/04	1	WYG, Gillian Holiday	MS	H & S Induction	Attendance	Carry out CARDINUS training	
19/10/04	2	WYG, Gillian Holiday	MS	Intranet Introduction	Attendance	Amend personal details on the intranet.	
19/10/04	1	WYG, Gillian Holiday	MS	IT Induction	Attendance		
22/10/04	1	WYG, Martin Gastall	MS	Meeting with Derek Wall to discuss training objectives	Attendance	ICE membership; registration of training agreement; and review of core objectives.	
02/11/04	1	Eric Pettett	MS	Progress Meeting, St. Athan	Attendance	Write & distribute minutes. Carry out actions accordingly.	
08/11/04	2	WYG	MS	CARDINUS Health & Safety Essentials	Test		
08/11/04	2	WYG	MS	CARDINUS Manual Handling Plus	Test		
08/11/04	1	WYG	MS	CARDINUS Workstation Safety Plus	Test		
09/11/04	1	WYG, A Roberts	MS	Excel / Outlook computer training	Attendance	Use tips learned to broaden my use of MS products.	
17/11/04	1.5	WYG, M Gastall	MS	Staff Training	Attendance	*	
03/12/04	1.5	WYG, M Gastall	MS	Staff Training	Attendance	*	
23/02/05	2	WYG, Matthew Elliot	MS	Graduate Forum	Attendance	Write up minutes. Bring up to date my CPD log and quarterly reports.	
24/02/05	2	WYG	MS	Fast Forward	Attendance	Appreciation of company direction & policy	
19/04/05	1	WYG, Lee Pitcher	MS	Appraisal	Attendance	Book excel training. Sign up to ICE training agreement.	
26/04/05	2	APM Seminar	MS	A650 Bingley relief road	Attendance – informative presentation of engineering & management challenges facing the construction of a new road in an urban environment	*	
28/04/05	1.5	WYG, Graduate Forum	MS	Quarterly Meeting included discussion of current engineering issues & affairs	Discussion required research & was orally assessed.	Write & distribute minutes Bring up to date all CPD.	
29/04/05	7.5	WYG, Barry Hansen	MS	Caledonian Building Systems site visit	Visit conducted to research the characteristics of modular	Modular construction paper research.*	

PROFESSIONAL DEVELOPMENT / TRAINING RECORD



NAME: ERIC PETTETT

OFFICE: LEEDS C&S

Date	Duration (Hours)	Organiser	Code	Activity Description	Assessment	Follow Up	Confirmation Signature
					building. The visit also enabled me to appreciate the important factors involved in production lines together with business development operations.		
03/05/05	2	ICE, Lunoe Lecture	Lunoe	Eden Project, Waterloo	Lecture provided renewed motivation in the engineering field – showing success from innovation and dynamism.	*	
06/05/05	7.5	WYG, Barry Hansen	MS	Marne Barracks Site visit – modular units being installed.	See Item 29/04/05	Modular construction paper research.*	
20/04/05	4	Roger Bullivant Ltd	Roger Bullivant	Foundation Engineering Seminars	Attendance – Seminars gave me an understanding of current industry practice and innovative solutions to engineering problems	*	
25/05/05	1	WYG	MS	Introduction to CDM	Attendance		
31/05/05	1	WYG	MS	Appraisal – Alan Ransen	Attendance	Follow up training objectives.	
16/06/05	1	WYG	MS	Interim Review, Martin Gastall	Attendance	Follow up outstanding CPD issues.	
10/08/05	7.5	WYG, Martin Brett	MS	Site Attendance, RAF Menwith Hill	Attendance – overview of projects on site.		
25/08/05	7.5	WYG, Richard Scott	MS	Site Attendance, RAF Leconfield	Attendance – overview of the daily challenges faced by a Contractor.	*	
03/10/05	2.5	APM Seminar	APM	PRINCE 2	Attendance – presentation of a project management tool used for some Public Sector works.	*	
04/10/05	2	University of Leeds Earth Science Dept.	Leeds Uni – Earth Science	Seminar; 'Extraction & Development': Sir Mark Moody-Stewart	Attendance – Seminar gave me an insight into humanitarian issues surrounding extraction industries.	*	
11/10/05	2.5	ICE Seminar	ICE	Wembley Stadium	Attendance – overview of the current project, with an emphasis on client and stakeholder requirements.	*	
17/10/05	3	Haydn Kissack	C&S	Pontefract Site Visit	Gave awareness of project issues and workings of the existing facilities.		

PROFESSIONAL DEVELOPMENT / TRAINING RECORD



NAME: ERIC PETTETT

OFFICE: LEEDS C&S

Date	Duration (Hours)	Organiser	Code	Activity Description	Assessment	Follow Up	Confirmation Signature
08/11/05	1	WYG, Sue Clarke	C&S	CSCS Card Test	On-site awareness exam	Application for card	
16/11/05	7.5	WYG, Martin Brett	C&S	Site Attendance – Siddal School	Attendance – Gave me the opportunity to comment upon contractor works.	*	
29/11/05	2	ICE Seminar	ICE	Military Bridges Past & Present	Attendance – a fantastic insight into how technical demands combined with expertise bring innovation.	*	
29/11/05	2	WYG, Mike Gomersall	C&S	Fire Safety Presentation	Attendance – overview of how legislation change can bring about competitive advantage		
06/12/05	2	ICE Seminar	ICE	History of the ICE	Attendance – informative overview of the background to the first Royal Chartered institution.	*	
13/12/05	2	ICE Seminar	ICE	Leeds Trunk Sewer Collapse	Attendance – descriptive lecture about the challenges of working with old infrastructure.	*	
04/01/06	7.5	WYG, Martin Brett	C&S	Site Visit: RAF Menwith Hill	The activity enabled me to see first hand resolution of site problems & snagging auditing.	*	
Winter 2006	4 days	MERIT- Course	C&S	8 week interactive game simulating the management of a civil engineering company	Improved my understanding of the considerations involved with the daily management and business development of a construction company.		
17/01/06	2.5	APM, Seminar	APM	St. James Cancer Wing			
25/01/06	2	ICE Seminar	ICE	Terminal 5	F:\Eric Pettett\Personal Civil Engineering Library\Essays + Lecture notes\Lecture Notes\Heathrow Terminal 5_1.pdf		
26/01/06	1	WYG Annual Appraisal + Graduate Forum	ICE C&S	Appraisal of targets and experience to date. Outlining of future objectives to undertake.	Attendance		
30/01/06	2	Peter Baker - Internal	C&S	Brushing up lecture on CDM duties and obligations under current regulation.	Attendance		
02/02/06	1.5	Fosroc Waterproof basement design – WYG A Pettett	C&S	Fosroc Waterproof Basement Design – walk through talk on design details, common products & common pitfalls.	Attendance		

PROFESSIONAL DEVELOPMENT / TRAINING RECORD

NAME: ERIC PETTETT

OFFICE: LEEDS C&S

Date	Duration (Hours)	Organiser	Code	Activity Description	Assessment	Follow Up	Confirmation Signature
07/02/06	1.5	ICE Seminar	ICE	RedR / Development talk	Attendance		
14/02/06	0.25	WYG, Dave Boston	C&S	Presentation of group findings on internal Change Control procedures to 15 WYG employees.	Giving presentation		
14/02/06	1.5	WYG, Dave Boston	C&S	Internal Discussion / Forum on internal change control	Attendance	Request presentation slides	
15/02/06	1	EMS training – WYG Ruth Eady	C&S				
16/02/06	7.5	WYG – Martin Brett	C&S	Site attendance with CoW to appreciate site issues, concerns and safety points.	Attendance, site notes	Site notes to write up & distribute	
24/02/06	1	WYG – Haydn Kissack	C&S	Appraisal	Attendance		
28/02/06	2	ICE	ICE	Winter Debate: This house believes that nuclear energy is the only viable solution for the UK's energy demand.	Attendance	*	
02/03/06	2	RIBA	RIBA	4x4 Making Places – AIR	Attendance	*	
09/03/06	2	RIBA	RIBA	4x4 Making Places – EARTH	Attendance	*	
16/03/06	2	RIBA	RIBA	4x4 Making Places – FIRE	Attendance	*	
28/03/06	3.5	WYG – Thomas O'Grady – CementAid	C&S	Seminar to C&S Department: the use of 'caltite'	Attendance - Chairman		
29/03/06	3	WYG – Martin Brett	C&S	On site with CoW Martin Brett	Attendance		
11/05/06	1	WYG – Martin Gastall	C&S	Quarterly Report Review	Attendance, talk through of the upcoming issues of professional review	To undertake a configuration of ICE 'Core' objectives to Deveopment objectives Consider future objectives and the path to attain them	
30/05/06	1.5	Celsa Steel. Rhowells - WYG – E Pettett	WYG	Overview of the Eurocode 2 together with a presentation of benefits of Celsa Steel	Attendance - Chairman		
31/05/06	1	WYG Palvinder Pama	WYG	Overview of the Flood Risk Assessment process and how WYG Water can help	Attendance	*	
05/06/06	1.5	WYG – E Pettett	WUG	Ground Improvement – An overview of current solutions from Roger Bullivant Ltd.	Attendance - Chairman	Attendance certificates Obtain DVD Food bill	

PROFESSIONAL DEVELOPMENT / TRAINING RECORD

NAME: ERIC PETTETT

OFFICE: LEEDS C&S

Date	Duration (Hours)	Organiser	Code	Activity Description	Assessment	Follow Up	Confirmation Signature
						Further copies of literature	
14/06/06	1	WYG – A Pettett	WYG	Overview of GGBS as a substitute to OPC given by the Appleby Group.	Attendance	*	
14/06/06	1.5	ICE – Bob Bennett	ICE	CDM – Where are we going? Comment on the upcoming CDM changes and pseudo-discussion on the impacts	Attendance	* Look up: development Objective E2 HSE Website	
04/07/06	1.5	Westok - Peter Wright – WYG, E Pettett	WYG	Westok Seminar – Overview of current cellular beam market.	Attendance - Chairman		
11/07/06	1.5	Integer, WYG – G Atkinson	WYG	Finite Element Analysis – by Integer. Overview of their software capabilities.	Attendance		
26/07/06	1	WYG – Mark Twitchett	MS	Overview of company H & S protocol and project procedures.	Attendance	Look up: CIRIA Site safety handbook & WYG generic risk log.	
10/07/06	1	VISQUEEN Building Products / WYG	ENV	Visqueen overview seminar: Gas contaminated sites, most common risks, advice on design considerations to protect gas ingress to buildings.	Attendance	*	
28/09/06	1.5	GATIC presentation – Brian Tait	C&S	Overview of Gatic's solutions portfolio together with common competitor problems. Examples of use of computer simulation software – pretty impressive!	Attendance		
02/10/06	1	WYG - Walter Marks (Belfast)	C&S	Risk assessment trial system introduction seminar	Attendance	Use MS Access based risk assessments for new projects until Christmas 06	
02/10/06	1	WYG – Anna Fry	C&S	Skidding Resistance, Texture and Aggregate Properties	Attendance		
05/10/06	1.5	XYPEX - Mike Finch, organised by E. Pettett WYG	C&S	Overview of waterproofing concrete problems with Xypex solutions. Plenty of case studies.	Attendance - Chairman Good all round product ~£40/m3	Attendance certificates Food bill	
09/10/06	1.5	Concrete Centre – Paul Gregory organised by E Pettett	C&S	Overview of the Eurocodes. Introduction to Eurocode 2	Attendance – Chairman Excellent Presentation by x-WYG employee.	Attendance certificates Food Bill CalCrete CD, reading, Distribute presentation	
20/10/06	0.5	WYG – Matthew Elliott	C&S	Graduate Forum discussion of chartership routes, timeframes and achieving goals.	Attendance Large responsive group	Find essay titles Update WYG objectives. Structure personal training to meet development objectives	

PROFESSIONAL DEVELOPMENT / TRAINING RECORD

NAME: ERIC PETTETT

OFFICE: LEEDS C&S

Date	Duration (Hours)	Organiser	Code	Activity Description	Assessment	Follow Up	Confirmation Signature
23/10/06	1.5	Concrete Centre – Paul Gregory organised by E Pettett	C&S	Overview of available tools to estimate costs of concrete frames	Attendance – Chairman Excellent software available	Use software to price conceptual jobs	
03/11/06	1.0	INTERFACE FLOR – Why should Business care about Sustainability? – WYG P. Pamer	MS	Overview of sustainability in the manufacturing industry. How companies can become sustainable and realistic timeframes for success.	Attendance Methods to reduce waste, improve productivity and maintain competitive edge. Well delivered	Read up on datasheet and weblinks.	
06/11/06	1.0	Hybrid Concrete Construction – Paul Gregory, organised by E Pettett	C&S	Overview of Hybrid Concrete Construction. Precast used with in-situ casting – the benefits.	Attendance – Chairman Good delivery.	Food bill, attendance certificates	
09/11/06	1.0	Lankhorst Recycling – Recycling UK Ltd – Carl North via Anna Fry at WYG.	C&S	Recycled polyethylene products suitable for all timber applications, ie walkways, cladding, signposts and bollards	Attendance	Think about applications for products.	
16/11/06	1.0	Peter Shapland	C&S	Overview and question and answers session regarding chartership issues.	Attendance Useful to highlight changes and where emphasis is being placed at review	Development plan Prepare for forthcoming annual review	
20/11/06	1.0	Paul Gregory - The Concrete Centre, through E Pettett.	C&S	Overview of Self Compacting Concrete – its uses. (not to be used directly on car park surfaces)	Attendance/Chair Useful highlighting ease of its use, speed and keeping complicated RC solution costs down	Food bill, attendance certificates, think about applications	
21/11/06	1.5	WYG – Martin Gastall	MS	Appraisal of development objectives. Review of where 'brushing up' is required, and further work to be achieved.	Oral & written assessment of objectives and sign-off.	Development Plan to incorporate realistic objectives. CPD plan.	
21/11/06	1.0	BASF Chemicals - Iain Macpherson WYG Alex Pettett	C&S	Overview of BASF concrete waterproofing products and concrete repair products.	Attendance Concise, well illustrated seminar.	Review CD information	
28/11/06	1.0	Compriband Seals – Derek Read/Alistar Inglis	C&S	Overview of the difference seals available, focusing on hospital problems – cleanliness/maintenance/WLCs.	Attendance Well illustrated, plain talking	www.compriband.com Use the product selector tree	

PROFESSIONAL DEVELOPMENT / TRAINING RECORD

NAME: ERIC PETTETT

OFFICE: LEEDS C&S

Date	Duration (Hours)	Organiser	Code	Activity Description	Assessment	Follow Up	Confirmation Signature
		WYG Alex Pettett					
30/11/06	1.0	Privica WYG Andy Roberts	C&S	Overview of grouted asphalt surfaces. Main benefits are being halfway between concrete and asphalt: in terms of flexible & load bearing capacity...	Attendance		
06/12/06	1.0	Geberit – Richard Smith & Andy WYG – Ian Wilcock	C&S	Overview of the products that serve BS EN125.	Attendance	www.geberit.co.uk Review product/code chart	
Qtr 1, 07	3days	Loughborough Uni – Mike Fletcher	C&S	MERIT 8 week interactive game simulating the management of a civil engineering company. Internal/external financial planning, tendering, planning, project management, labour relations, and resources management are simulated and managed.	Attendance Competition		
17/01/07	1.0	Steve Brooks – Gebrit, organised by Ian Wilcock	C&S	Gebrit Siphonic drainage systems Overview of the requirements of the system, & its limitation. The essence of the talk was to ensure the company are involved at the early stage of a project. Design is computer based.	Attendance - * Seminar was well presented but the speaker gave no substance on the actual design of the system (ie the maths part), just the input variables.	www.gebrit.co.uk	
17/01/07	2.5	Debbie Rosen - Yorkshire Forward, Mark Warner – Leeds Met.	APM	“Sustainable Development in Project Management”.	Attendance - * Good. Seminar outlined definition and the management techniques that can contribute to sustainability. Relies on informed QS & client to succeed! Unfortunately there was no reference to international activities and world leaders on sustainability.		

PROFESSIONAL DEVELOPMENT / TRAINING RECORD

NAME: ERIC PETTETT

OFFICE: LEEDS C&S

Date	Duration (Hours)	Organiser	Code	Activity Description	Assessment	Follow Up	Confirmation Signature
24/01/07	2.5	Tony Claassen DE, EGP	MS	Introduction & review of quarterly report.	Report – requires more emphasis on learning and what/how I applied it. I require a more rounded understanding of the context of my work.	Plan out what I have to achieve. Put an abstract of what I learnt in the report.	
25/01/07	0.5	Richard Dew Tony Claassen EGP	WYG	Annual Appraisal. Review of previous year and objectives for the coming year. Items include: continuation of technical solutions. Understanding the context of the work – fees, contract, client relationships, is the design taken up by the contractor - if not -why?	Useful in outlining future objectives.	Pass on CPD days record to RDew, and ensure a copy comes back to me & Tony. Show Tony where this sheet is saved.	
31/01/07	2.5	G&S Committee – ICE York and Humber, Winter Debate David Fison – Skanska CEO Ruth Hoppood – Chair G&S Mark Fletcher – Arup	ICE	“The house believes graduates are underpaid” Industry faces challenge of increasing profit (waste is 30%). Graduates must have a vision of how to climb the ladder of opportunity to be paid better. Civ. eng. rewards are out there. *	Attendance. Well balanced refresher of what the drives of progression should be and how they can be achieved / what qualities to portray at interview.		
05/02/07	0.5	Water/Drainage Team, TGDavies	WYG	Overview of PPS25. Similar to PPG 25 except for climate change allowances.	Attendance Informality, food and talk worked well alongside the team meeting.	Presentation available in emails	
15/02/07	1.0	Gary Graham – Air Quality	WYG Manc	Overview of WYG’s Air Quality services and legislation/regulation. Clients include the HA, EA, DEFRA & private companies. Dilute or reduce! With chimneys this can be done by increasing temp. to increase buoyancy or reduce diameter to increase velocity.	Attendance Informative overview.	*	
20/02/07	2.0	Value Management & Engineering – Prof Steven Male	APM	Overview of VM and VE. VM understands why invest, then the investment over the life cycle of the project & how the company may change to effect the project/itself. VE looks at the technical solution. Different stakeholders have different perspectives on what’s important in the project (Time/cost/quality). VM looks first at the business/social benefit (of strategy/project) then looks at the operation & maintenance, and then the capital expenditure. This is opposite the approach of traditional project/strategy delivery. ‘Workshop fatigue’, Risk v (value) Opportunity		*	

PROFESSIONAL DEVELOPMENT / TRAINING RECORD



NAME: ERIC PETTETT

OFFICE: LEEDS C&S

Date	Duration (Hours)	Organiser	Code	Activity Description	Assessment	Follow Up	Confirmation Signature
22/02/07	1.0	Firestone Building Products, Mick Bolsover. A Pettett, WYG	C&S	Overview of EPDM rubber roof material. (Firestone=Bridgestone). Elastic material is fixed like a PVC roof but is much more flexible, cold applied. It is either ballasted, adhered or mechanically fixed.	Attendance Made a 'boring' subject interesting for an hour!	Search: 'Kingsmead Primary School' as a case study. 'CABE' Commission for Architecture in the Built Environment' (excellent website for sustainable projects).	
27/02/07	1.0	Bauder Green Roof	C&S	Overview of green roofs: 4 types: biodiverse; extensive; simple intensive; intensive. Benefits include: insulation; storm-water retention; biodiversity; amenity gains (recreation area...)	Attendance Good overview, & good (German) company	*	
01/03/07	2.0	Culturing Change 4x4 Making Places	RIBA	Exploration of architecture in Leeds & the requirement to have forward thinking clients. Jeremy Till – Chair, Pat Gilby, Irena Bauman – Bauman Lyons Architecture, Ken Dunn – The City School, Sheffield, Nick Brown – Architecture 2B, Terry Hodgkinson – Yorkshire Forward, Exemplar projects	Attendance Used local case studies	Calculate my carbon footprint www: ISIS (client); British Schools expedition; Integrate Yorkshire. *	
05/03/07	1.0	Pipe Materials Matthew Elliott	WYG	Brush up of pipe materials and implications upon design process.	Attendance		
06/03/07	2.0	WYG Annual Appraisal	WYG	Overview of previous year, and setting out of objectives for forthcoming year	Attendance	*	
08/03/07	2.0	Cultering Community 4x4 Making Places Marcus Wiltshire – urban initiative Tom Common – GO Sheffield Yvonne Deanne – Erskine Corporation Bernie Hare – Writer, Flatlands	RIBA	Exploration of what makes a community. If you fail to plan, you plan to fail Bus routes bind a city Engaging stakeholders/people in decisions	Attendance	* Book "Urban Grimshaw & The Shed Crew"	
22/03/07	1.0	Hydro International	C&S	Reasons for SUDs Differences between hydro-brakes: Orifice & vortexes has different characteristics & advantages	Attendance Good but still a dry subject	*	
22/03/07	1.0	Mark Twitchett	C&S	Working at Height. AVOID – Give window cleaner a boom PREVENT – Guard rails MITIGATE – Airbags, lanyards & harnesses If belt buckle is beyond ladder then working dangerously.	Attendance Standard H&S		
22/03/07	2.5	Culturing Climate	RIBA	Plural Rationality: 4 rationals:	Attendance		

PROFESSIONAL DEVELOPMENT / TRAINING RECORD

NAME: ERIC PETTETT

OFFICE: LEEDS C&S

Date	Duration (Hours)	Organiser	Code	Activity Description	Assessment	Follow Up	Confirmation Signature
		4x4 Making places Steve Maslan Louisa Hutton – Sauerbrauch-Hutton Architecture Prof Tony Allan – SCAS & King College London Andy Goldring – PermaCulture Association Prof Tim Lang – City University		civil/government/private sector/civil movement (/ .gov/.com / .org) risk managing/take/avoid Until these 4 are all engaged effectively then a change in culture is unlikely. Examples: www.Krameterhof.at village, Austria Prickly Nutwood, Sussex Leaf Street, Manchester Environment Agency, Desal near Bauerhaus The same problem of food (obesity) is that of the environment.	Good overall presentation stands		
28/03/07	2.5	Site tour –Dave Smith CECA.	CECA	Leeds Inner Ring Road Stage 7 - Site visit. Talk, presentation and questions, followed by guided tour around the sites. Interesting project, traditional contract but has target cost with lucrative rewards for early and lower price completion.	Great – made interesting by it being on the doorstep.	*	Photos available
02/04/07	1.0	Keith Oldham's 'Bedding Materials' Water & Drainage Team Meeting	C&S	Informative – Collars have greater diameter and require bedding to suit. Larger pipes require larger fill. Dense sharp objects can put high point loads onto pipes thus to be avoided in backfilling	Attendance		
12/04/07	1.5	Philip William – EES (Ian Wilcock WYG)	C&S	Combining stormwater systems with greywater systems seems a great approach but must include contingency when greywater hasn't been used & a storm occurs Water is increasingly scarce, promoting shorter payback periods on intelligent systems. Looking to Germany again.	Attendance Good presentation skills & happy to attend client meetings to push the technology.	*	
17/04/07	1.5	Christopher Mettem, TRADA A Pettett, WYG	C&S	Carbon Sequestration Wood Miles Chain of custody CITES, FSC – voluntary code.	Attendance Well travelled speaker.	*	
20/04/07	3.5	Andrew Howard – WYG Tanja Reyonlds – Griffiths & Armour Tony Claassen	MS	Commercial Awareness Seminar Negotiation & Risk Management Reasonable engineering Read the contract Avoid loose, all encompassing terms. Be specific. Lots of legal terms	Attendance Knowledgeable and practiced speakers, with a wealth of experience.	*	Speakers are available at any point (with due care) to review contracts

PROFESSIONAL DEVELOPMENT / TRAINING RECORD

NAME: ERIC PETTETT

OFFICE: LEEDS C&S

Date	Duration (Hours)	Organiser	Code	Activity Description	Assessment	Follow Up	Confirmation Signature
26/04/07	1.0	Trevor Clark	Grads	Review of Einstein Network / Engineering Channel	Attendance Tool for graduates to review & discuss engineering topics		
05/06/07	1.0	Mark Twitchett / Matthew Elliott	WYG	Safety Discussion about specific drainage Health and Safety Issues. 'Site' as well as 'project' risks were discussed.	Attendance Forum style event.		
12/06/07	1.0	EGP	WYG	Read "Comment on Estimation of Greenfield Runoff Rates" paper: AM Cawley & C Cunnane	Comparison and contrast between the numerous estimations of runoff rates.	Within PCEL (personal civ. eng. library)	
25/06/07	1.5	Institute of Highway Engineers		Summer Debate on Personal Carbon Trading. The reduction of carbon emissions by 60% under Kyoto is complex and will probably lead to inequalities in its effects, probably discriminating against the poor. The debate boils down to political will-power and economic decision.	This is a complex political, social and economic problem. The speakers and resulting debate was surprisingly informed & considered but far too focused on transport! (didn't consider food sources + consumables generally).		
02/07/07	1.0	Drainage Team, MSE	WYG	Talk about CDM and DRAs. It was requested that a Design's Risk Assessment is produced listing the risks and mitigating action throughout the design process.	Team discussion. The point was raised regarding conflict of interest: does the designer raise an issue on the form that does not result in action? The designer is under pressure to reduce costs and a conflict may arise that result in a more expensive design. The designer should be able to justify why they came to a design decision		
12/07/07	1.0	Emily Freer	WYG	Presentation on Carbon Footprinting followed by impromptu discussion on the subject	Carbon foot-printing techniques can be used but is reliant on using appropriate techniques and assumptions. As the process is complicated the methods used and bias may distort the real impacts (which include ecological and other environmental). Bad science could easily exploit a political view. The need to reduce consumption on fossil fuels is more legitimate than reducing greenhouse gas emission. The two can coincide.		
18/09/07	2.0	Speakers: UKAEA John Whitefield D&B Contractor Ritchies: Alasdair Henderson	ICE, Geol- Soc	Dounreay ILW Shaft Isolation Talk from the client and the D&B contractor about the history of the shaft, its contents and briefly political decisions about its decommission. Speakers: very good – maybe an indication of how much the many processes needed to be proved.	Synopsis of the process of isolation, containment and retrieval of the medium level radioactive waste. Wet vs Dry, Artificial ground freezing, grout curtains, plug, secant piling... Grout chosen, therefore – how thick/thin does it have to be? Went into the science behind proving the success of the works – Grout Intensity Number (Volume vs pressure records)...		*
04/10/07	2	ICE, John Caine – Bentley director	ICE	Ten years on have we rethought construction? Interactive presentation on the state of British construction with discussion about audience projects.	Business not technical lecture, small amount of willy-waving in the audience. The speaker cited the Japanese car industry as the construction industry's aspiration – reducing time, increasing reliability, etc – a classic revolution!		

PROFESSIONAL DEVELOPMENT / TRAINING RECORD

NAME: ERIC PETTETT

OFFICE: LEEDS C&S

Date	Duration (Hours)	Organiser	Code	Activity Description	Assessment	Follow Up	Confirmation Signature
					Further improvements: programme management; use of 3D design & planning; more off-site manufacturer; engaging the supply chain. LO'R has invested £70m in pre fabrication		
17/10/07	5	WYG graduates, Paul Carter	WYG	Kingswood Site Visit – tour of the site during construction works to see activity. WYG staff gave the tour	Good but had to ask lots of questions! Learnt a tremendous amount in a small amount of time, & also I wouldn't want to be doing this unless there was lots of money in it. Bean blocks, road laying machinery, logistics of traffic movement, drainage details and house building.		Photos available
24/10/07	2	ICE – Mike Chrimes, Head of Knowledge	ICE	Thomas Telford – 250 Years of Inspiration. Talk about the career and legacy of the man who is called “the Father of the Profession”. A career beginning in masonry, ports, harbours, cast iron and project management. An art			*
25/10/07	2	Lunoe – Life in the Freezer, Michael Wright – Faber Maunsell	Lunoe Uni of leeds	Description of history of Halley projects in Antarctica for the British Antarctic Society, problems of the environment and the solution to the competition. -56 degrees, 100mph winds, 10week building period. Problems of shipping & transportation to site of components.	Interesting & forward thinking. Brilliant photography and animated slides. The media did all the talking, rather than the modest speaker. I don't think it would be a fun place to be for too long! * F:\Eric Pettett\Personal Civil Engineering Library\Essays + Lecture notes\Lecture Notes\Halley VI - Life in the Freezer 251007.pdf		
15/11/07	2	Advanced Metallic Materials for Bike Frames, Dr. Martin Strangwood (Birmingham)	IOM ³	Requirements from bicycles frames, likely conditions experienced in real life and a look at the alloys the industry currently uses together with emerging technologies. Material considerations together with material hybrids and welding details & techniques.	Interesting lecture aimed at the novice. The speaker was an academic but had deep industrial exposure but pivotally competitive and pro contacts. Interestingly the speaker cited Reynolds 953 as being a future Tour winning material. However care will be taken to use foam to remove the 0-100Hz frequencies which prematurely fatigue leg muscles.		*
16/01/08	2	Dr Martin Stroud, Arups ICE, Yorkshire Geotechnical Group “Piles can be Painful”	ICE/ YGG	Basic introduction to different pile types, with their advantages and disadvantage. Also looked at common problems which lead to disputes and case studies. Good speaker, but 'ordinary' non-revolutionary subject. Bursting-at-the-seams attendance	Interesting to the piling beginner, but not ' <i>ground breaking</i> '. Important to wash the sides of a bored pile to remove non-in-situ spoil (reduces shear capacity). Reaming based piles – like the wing handles on a traditional cork screw bottle opener, used to provide uplift resistance. * handwritten and F:\Eric Pettett\Personal Civil Engineering Library\Essays + Lecture notes\Lecture Notes\Piles can be painful, 160108.doc		
22/01/08	7.5	CDM 2007 Overview Tony Wright, Thomas Telford	WYG	Overview of regulations	Well presented and knowledgeable speaker. Delineated roles of Client, CDM Coordinator, Principal Contractor and Designer. It described when regulations apply, to whom and which parts. The H&S at Work act legislation bolsters working environments which do not fall under CDM regulations. * F:\Eric Pettett\Personal Civil Engineering Library\Essays + Lecture notes\Lecture Notes\Telford - 250 Years of Inspiration 241007.pdf		
23/01/08	2	Tarmac Special Concretes & Asphalt	WYG	Overview of special products and suitability for applications.	Good presentation and knowledgeable speaker. Plenty of industrial experience.		

PROFESSIONAL DEVELOPMENT / TRAINING RECORD



NAME: ERIC PETTETT

OFFICE: LEEDS C&S

Date	Duration (Hours)	Organiser	Code	Activity Description	Assessment	Follow Up	Confirmation Signature
30/01/08	2	David Parkinson PipelineSimulation – Mike Murrell, Paul Laidler: WYG	WYG	Lunchtime presentation: Overview of Water Hammer effect, its causes and solutions. Interesting talk, with a raft of material I've not been directly exposed to before now.	Good knowledgeable presenters, with good examples and industrial experience. Simulation of surges requires computation, rather than simplistic graph and hand calcs. Harmonic behaviour can exacerbate problems to create huge pressures. Surges are caused by a change in velocity and can be negative (leading to failure in thin walled structures). * Presentation in PCEL F:\Eric Pettett\Personal Civil Engineering Library\Essays + Lecture notes\Lecture Notes\PipelineSimulation lunchtime seminar, Wastewater Apr 2007 Rev 2.pdf		
07/02/08	3	TIME TO QUESTION LEADERSHIP Northern Leadership Academy University of Leeds Speakers:	NLA	What does leadership mean in today's society. Interactive talk lead by chosen questions. Andrew Loake (intro) Linda Pollard (Chair, NHS & business leader) Gary Hetherington (Rugby) Sunil Bhopal (medic student executive) Judith Moreton (Air travel) Chris Green (Yorkshire Post/Media) Prof Richard Thorpe (academic)	Good mix & breadth of industrial experience, all Alumni. Format of evening – excellent: Intro drinks, unseen questions to panel, general questions, communal food – gave an opportunity to speak to people. Real effort had been made to encourage networking by blending variety of presenters and audience. Actual talk – light on substance, but refreshed terminology.		*
12/02/08	2	CSpencer: The Challenge Associated with Setting Up & Running a Civil Engineering Contractor Alan Jones – Spencer	G&S commi tee, ICE	Broad brush overview lecture of the establishment of C Spencer Contractor. Boils down to: entrepreneur and opportunity (takes an entrepreneur to spot an opportunity) Repeat business & forward order book allow planning of business Civil engineering projects: ~3 parts construction, and you can win work on doing 1 part 10% better. Manufacturing: 1000parts, 1% better.	Average self publicity. Case study material If wishing to get local start-up advice: Leeds: Live it:Love it Yorkshire Forward Google		*
05/03/08	2	The Credit Crunch Gillian Tett – FT Capital Markets Editor	Leeds Uni Busine ss School	Lecture and discussion describing “The Credit Crunch” – the events and process that are shaping the current financial climate. Interesting to note that the response can be defined by human reaction: shock, denial, anger, depression, resolution.	Sub primes are the tip of the modern financial offerings iceberg. The collapse of this dodgy US sector may lead to old style banking whereby risk is not shared to many derivatives, but is wholly owned by one lender. Sharing risk has lead to a rubber mat to absorb 9/11, Enron, World Comm etc, but this situation may provoke this new paradigm.		*
13/03/08	0	Mike Brown, Paul Laidler ICE Presentations	Grads	Note from presentations: Presentation style to give: Verbal summary/overview of presentation. Should include highlighted drawings showing area of interest/actual project location, sprinkling of photos that are relevant Black front page with white lettering helps formal style.			

PROFESSIONAL DEVELOPMENT / TRAINING RECORD

NAME: ERIC PETTETT

OFFICE: LEEDS C&S

Date	Duration (Hours)	Organiser	Code	Activity Description	Assessment	Follow Up	Confirmation Signature
		WYG Graduate Forum		The best presentation was to: outline procedure (industry standard) then outline deviations from that procedure and then "I managed/controlled these deviations by... Essential to provide platform for viewers – diagram of contract layout: how things work. This gives examiners something to identify.			
03/04/08	1	CEEQUAL presentation, Mark Jones, highways	WYG	Overview of CEEQUAL assessment. This civil engineering environmental assessment can be done for projects at 4 levels: Whole Project Design & Build Award Design Award Construction Process Award. 180 questions, 25% pass mark means meeting legal requirements. If there is a single pollution incident then automatically the project can achieve no higher than pass.	Management has an epiphany: it transpires that it is beneficial to hold external training sessions at WYG with high numbers of internal staff and outsiders paying WYGs way. Basic comprehensive overview – just what was required. Many business benefits can be achieved – easy work with little risk.		
21/04/08	3	A1(M) Extension: Wetherby, Site Visit	CECC A	Tour of the site looking at road construction and its associated infrastructure.	Grand local project that will 'make a difference'.		
30/05/08	1	Asbestos Awareness Training: Stephen Robinson	WYGE	Overview of asbestos issues	Informative and insightful. Didn't cover asbestos mimicking substances, like carbon nanotubes. Asbestos: naturally occurring fibrous mineral rock. Roman emperor used to clean his table clothes after the meal by throwing them in the fire!		*
04/06/08	2	Private Equity – the new reality: Wol Kolade, ISIS Private Equity	Leeds Uni Bus. School	Overview of Kolade's background and the cyclic nature of PE. PE is higher risk but higher reward. PE is hard work to spot good deals. Economic downturn is where capitalism/PE thrives and where bureaucracy/control/tariffs/law stifles.	UK Problems: manufacturing competition of the East will move into services. Needs to increase productivity. Low skills. Need greater R&D. Pensions. "less than 25% of UK pensions are funded by the UK" "All the good deals this decade will happen in the next 2-3 years [of economic downturn]" "PE is the shot in the arm to initiate change"		Walker guidelines Fat face Refresco Bridgepoint Railroads in US Apac Effect
20/06/08	2	CDM Overview. Design Risk Awareness Seminar Mark Twitchett	WYG	Recent changes Implications for how WYG works Case studies Definition of 'designer' encompasses anyone who has bearing on the end result "as reasonable practicable for humans"	Ok.		
06/10/08	2	Code for Sustainable Homes overview Claire Shuttleworth	WYG	Overview of the new guidance on sustainable homes: A plethora of information/guidance has been	Good A raft of guidance may lead to short term uncertainty. However the paradigm has been shifted by the imminent lack of available fossil fuels		

PROFESSIONAL DEVELOPMENT / TRAINING RECORD



NAME: ERIC PETTETT

OFFICE: LEEDS C&S

Date	Duration (Hours)	Organiser	Code	Activity Description	Assessment	Follow Up	Confirmation Signature
				published and UK is playing catch up (after binge on North Sea Gas). By 2016 new homes will need to be zero carbon in terms of energy production.	and the uncertainty over supply. The UK requires a range of energy supply solutions if it is to remain a growing and competitive economy.		
23/10/08	2	HS1 – the Inception & Delivery of the UK's first high speed railway Colin Stewart – Arup	Lunoe Lecture	Requirement, concept, planning, delivery and regeneration legacy together with a focus on some of the engineering challenges. £6 billion, with no arbitration and financial close within 1.5months of completion. PPP, with mostly self certification. Excellent safety. All partners brought different stakes into the frame (Electricity, Arups, National Express, Virgin...) but no contractor from outset. 999 year lease so operation challenge, not just construction.	HS1 is the channel tunnel rail link not the channel tunnel! However shareholders like it to be referred to as HS1. First HS railway in country so new legislation & new building code was required. HS domestic commuter, freight and Thames Gateway/Olympics mobilisation = financial cost benefit. Route means north of London can grow. Medway Bridge – longest HS bridge in world Biggest nursery 1.2 million trees Biggest archaeological dig. Amazing. Excellent & technical speaker*		
13/11/08	4	Gordons LLP	Law	Afternoon of seminars. Commercial Property Seminar. Contracts conditional on Planning Case law update Economic climate Cash Flow issues	Well presented, excellent networking opportunity, Hilton Hotel good accommodating venue. * F:\Eric Pettett\Personal Civil Engineering Library\Essays + Lecture notes\Lecture Notes\Gordon Commercial Property\Gordons LLP Commercial Property Seminar, 131108.pdf		
20/11/08	0	Graduate Forum	C&S	Kate Gower – President's apprentice, Ian Wilcock – Day of Judgement: ICE Review			
20/01/09	2	ICE, Yorkshire Geotechnical Group	ICE, YGG	What is failure & Why do failures Occur, by Prof John Atkinson:	Good. Knowledgeable speaker but address real world of contracts and why failure can be caused by a particular form of contract (competitive tender means assumptions are made earlier). Human error and incompetence is attributable for nearly all failures. * F:\Eric Pettett\Personal Civil Engineering Library\Essays + Lecture notes\Lecture Notes\What is failure and why do failures occur, 2100109.pdf		