

Philip Jones

Philip.Jones@wec.ltd.uk

Position in the programme:

1. **Family name:** JONES
2. **First names:** Philip E.J
3. **Date of birth:** 1946
4. **Nationality:** British
5. **Civil status:** Married
6. **Education:**

Institution:	Virginia Polytechnic Institute and State University
Date:	From Dec 1987 to May 1992
Degree obtained:	PhD, Civil Engineering, Environmental Engineering Dept.
Institution:	Purdue University
Date:	From Aug 1982 to May 1984
Degree obtained:	MSc, Civil Engineering, Environmental Engineering Dept.
Institution:	The City University, London
Date:	From Sep 1965 to Feb 1970
Degree obtained:	BSc, Civil Engineering

7. Language skills: (Mark 1 = Excellent, 5 = Basic)

Language	Reading	Speaking	Writing
English	1	1	1
French	3	3	4

8. Membership of professional bodies:

Institution of Civil Engineers, Chartered Engineer UK
Chartered Institution of Water and Environmental Management
International Consulting Economists Association
American Society of Civil Engineers
Water Environment Federation

9. **Other skills:** Familiar with Microsoft Office. Familiar with principles of economic and financial analysis applied to infrastructure projects. .
10. **Present position:** Principal Consultant, Water Environment Consultants Ltd.
11. **Years with the firm:** 15
12. **Key qualifications:**

Advanced graduate level qualifications in water and environmental engineering.

Extensive experience of water sector and environmental infrastructure design and construction, project evaluation, economic and feasibility studies, master planning, and interdisciplinary urban and regional planning.

Experience of component development at national and regional level. Client, funding agency and beneficiary liaison experience up to executive, Ministerial/mayoral level. Aware of cultural sensitivities.

Independent Consultant with 25 years of international and regional experience on multidisciplinary water sector projects in the UK, Central and Eastern Europe and EU transition countries, East Africa and USA.

Experience of EC, EIB and similar donor programmes, FIDIC contracts and PRAG procurement guidelines.

13. Principal in-countries experience:

Country	Project and Date
W. Balkans	Infrastructure Preparation facility, Dec 08 - March 2009
Syria	Rural Damascus Water and Sanitation project, June-October 2008
Croatia	Technical assistance to Phare projects in environment protection. Nov 2007- ongoing.
Bulgaria	Independent Evaluator, EU funded consulting project tender evaluation, Bulgaria.
Iraq	Water Resources Advisor, Regional Planning for Kurdistan Regional Government, 2006
Macedonia	CARDS 2006 - ToR preparation of the water component projects.
Poland	Evaluation of Cohesion Fund Application, Warsaw Water Sewerage and WWTP project, 2005
Romania	Project evaluation and preparation of Water Master Plan for Municipality of Oradea 2003. ISPA
Bulgaria	Team Leader Phase 1 Sofia WWTP Rehabilitation Works, (Phare) 1999.
Slovakia	MEIP wastewater/landfill programme project evaluation and report to EBRD 1998.
Kazakstan	Aral Sea Water, Sanitation and Health Project, feasibility planning World Bank, 1996 to 1997
USA	Water and Environmental sector consulting and research, 1982-92
East Africa	Various aid funded water project design and construction supervision

14. Professional experience record relevant to the project:

Date	Dec 08 - March 2009
Location	W. Balkans, Bosnia and Herzegovina, Kosovo, Montenegro
Company	WYG International
Position	STE Environmental Expert
Description: Western Balkans Infrastructure Preparation Facility, project identification, review and evaluation of preparedness for loan funding, client/funding agency liaison and management of consulting services for environmental infrastructure projects implementation.	
Date	June-October 2008
Location	Damascus, Syria
Company	WWYG International
Position	Water and Wastewater Infrastructure Specialist consultant
Description: Support to PMU of the Rural Damascus Water Supply and Wastewater Authority. Preparation of Tender Dossiers for the Rural Damascus Water and Sanitation project for water and wastewater collection and treatment design and construction supervision services under FIDIC conditions. EIB funded.	
Date	November 2000 to November 2008 (intermittent)
Location	Zagreb, Croatia
Company	Water Environment Consultants Ltd. Consultant to EPRD
Position	Engineer
Description: Technical assistance related to tendering and implementation of Phare 2006 projects in the area of environment protection, National Hazardous Waste Management Plan, equipment supply and consulting services contracts.	
Date	January - April 2007
Location	Sofia, Bulgaria
Company	Water Environment Consultants Ltd. Consultant to Agrifor
Position	Independent Evaluator. FWC BENEf Lot 2
Description: External expert and voting panel member evaluating consulting services for upgrade to urban water and wastewater infrastructure, including water treatment, trunk sewers and pumping stations.	
Date	May - June 2006
Location	Iraqi Kurdistan
Company	Water Environment Consultants Ltd. Consultant to KP Costain
Position	Water Resources Planning Advisor
Description: Advice to Kurdistan Regional Government on Water Resources Planning (water, wastewater, hydropower and irrigation) as part of a multidisciplinary Regional Planning project for Iraqi Kurdistan.	
Date	February - July 2006
Location	FYR Macedonia
Company	Water Environment Consultants Ltd, Consultant to Agrifor
Position	Team Leader and Waste Water Systems Specialist. FWC BENEf Lot 6
Description: Consultations with Ministries of Environment and Water, Agriculture and Health to identify and define water and hazardous waste programme requirements for implementation under CARDS 2006 programme. Preparation of ToR for three projects. Particular responsibility for project definition and ToR preparation for Institutional Strengthening and technical infrastructure improvements programme for an autonomous municipally owned provincial water company serving a population of 80,000 in a regional capital.	

Date	September 2005
Location	Poland
Company	Water Environment Consultants Ltd, Consultant to Parsons Brinkerhoff
Position	Waste Water Systems Specialist, DGRC Framework Contract
Description: EC FCC Technical assistance for appraisal and verification of waste water treatment and water supply infrastructure improvements (water mains renewal, major sewerage works and waste water treatment plant upgrade) for donor funding, Warsaw - phase III, EU Cohesion Fund for pre-accession 2004-06.	
Date	August - October – 2003
Location	Romania
Company	Water Environment Consultants Ltd. Consultant to GWK Consult
Position	Section Leader, Water Master Plan, Oradea. Consultant
Description: Water Master Plan for Oradea: led engineering and economics team in evaluation of financial and technical data on water supply, sewerage and wastewater treatment infrastructure for the recently privatised municipal water company, examination of proposed business plan, revenues and funding options, and prioritisation of viable capital projects for implementation in 10 year plan. EU ISPA programme.	
Date	1999 – 2003
Location	Bulgaria
Company	Water Environment Consultants Ltd. Consultant to GWK Consult
Position	Project Manager (Feasibility / Project Preparation Design Phase)
Description: Sofia Waste Water Treatment Works (5.2 m ³ /sec DWF, 1m PE), Rehabilitation and Upgrade; Managed local consultant team to undertake works condition assessment for mechanical-electrical, physical and hydraulic infrastructure, and preparation of report for future bidders and for re-construction contract preparation, leading to plant upgrade as part of privatisation process. EC Phare funded.	
Date:	January-June 1998
Location:	Slovak Republic
Company:	Water Environment Consultants Ltd, Consultant to GWK Consult
Position:	Team Leader, Municipal Environmental Infrastructure Program
Description: Led interdisciplinary team of economist, procurement expert and self as technical expert to evaluate capacity of a Slovak private investment bank to manage EBRD funds as loans to local municipalities. Worked closely with bank experts to establish project evaluation procedures. Critically evaluated technical, financial and procurement criteria for about 6 waste water and 6 solid waste projects in meeting EU/EBRD loan and procurement requirements. EBRD funded.	
Date:	September 96 to June 97
Location:	Kazakhstan
Company:	Water Environment Consultants Ltd, Consultant to Gibb Environmental.
Position:	Team Leader, Aral Sea Water Sanitation & Health project.
Description: Feasibility Plan for rehabilitation of water supply, sanitation and health infrastructure for Aral and Novokazalinsk areas. Condition assessment and feasibility planning of water supply and waste water disposal infrastructure rehabilitation for 20,000km ² area covering boreholes, transmission and distribution pipelines and pumping stations, municipal and on-site wastewater disposal facilities, and water treatment for 70,000 population. Project management also covered financial analysis, economic feasibility, financial analysis and socio-economic aspects, Environmental Impact Statement, health education and institutional strengthening. Funded by World Bank / Kuwait Fund.	
Date:	1995-97
Location:	UK based with frequent visits to East European States.
Company:	Water Environment Consultants Ltd
Position:	Principal Environmental Engineer, Freelance Consultant - various clients
Description: Comprehensive Studies of sewage disposal into the North Sea under Directive 91/271/EEC: Advice on lake restoration, eutrophication control and management of hydrological study, and on flood damage mitigation, for various private clients, UK; Assistance in preparation of numerous EU service tenders for design preparation and construction supervision and implementation of works contracts to FIDIC Yellow and Red Book forms and PRAG procedures for the water sector in Bulgaria, Romania and other accession States. Review of pollution risk to surface and ground water resources on an oilfield in Albania, Phare-funded; Interpretation of water quality data for factory groundwater source development, SmithKline Beecham, UK.	

Date:	June 1992 to November 1994
Location:	UK based. Assignments in UK, and overseas in Caribbean, Jordan, Ireland.
Company:	LG Mouchel & Partners Ltd.
Position:	Principal Engineer - Water and Environment Divisions
Description:	Consulting on diverse water treatment, environmental science and water quality issues for water companies, government, developers and private clients. Environmental screening of sullage disposal at Al-Ekeder solid waste site in Jordan. Technical and procedural audits on water quality, infrastructure maintenance and management procedures of private water supplies for the UK Drinking Water Inspectorate. Asset Management Planning for a UK Water Service Company, outline design and environmental statements for numerous projects. Preparation of training and promotional material for the company and its clients and for conference presentation. Bid preparation, project management and backstopping.
Date:	December 1987 to June 1992
Location:	United States of America
Company:	State of Virginia, and Virginia Polytechnic Institute and State University
Position:	PhD student and Consultant, Centre for Environmental and Hazardous Waste Studies
Description:	Groundwater contaminant transport modelling for hazardous waste disposal risk assessment at landfill sites. PhD Thesis "Evaluation of Water Distribution Modelling using Stochastic Dynamic Modelling".
Date:	June 1986 to December 1987
Location:	United States of America
Company:	Government of the District of Columbia, Washington DC
Position:	Research Laboratory Director
Description:	Founding Director, Environmental Research Centre at Blue Plains WWTP, responsible for set-up of laboratory, staff recruitment and establishment of in-house research programme. Chairman of research service contract evaluation committee.
Date:	May 1985 to June 1986
Location:	United States of America
Company:	Peer Consultants, Rockville, MD
Position:	Principal Engineer
Description:	Preparatory investigations for upgrade to the Blue Plains 1.1m m ³ /d advanced waste water treatment plant to achieve full biological nutrient removal, including review of record drawings, power survey, and survey of existing infrastructure facilities as basis for process and construction design.
Date:	June 1984 to September 1984
Location:	United States of America
Company:	United States Environmental Protection Agency
Position:	Leader of Research Team
Description:	Directed bibliographic search and undertook site inspections at wastewater treatment plants to assess current status of nutrient removal process applications for inclusion in a US EPA Manual.
Date:	August 1982 to June 1984
Location:	United States of America
Company:	Purdue University
Position:	Graduate Student
Description:	Designed, supervised construction and operated a waste water demonstration pilot plant.
Date:	January 1982 to June 1982
Location:	UK
Company:	Tate & Lyle Agribusiness
Position:	Water Engineer
Description:	Prepared specification and directed preliminary design of potable water supply, site drainage and wastewater treatment works for an irrigated sugar cane estate development in Ethiopia.
Date:	September 1979 to 1981
Location:	Tanzania, and Norway
Company:	Norconsult AS
Position:	Senior Water Engineer

Description: Regional Water Master Planning in Tanzania, NORAD. Survey and evaluation of regional water resources and development potential. Visits to over 200 remote settlements and larger villages, assessment of existing water and sanitation facilities and future needs. Integration of water sector needs with demographic, socio-economic, agricultural, health, transport and power considerations into a multidisciplinary assessment for each location within regional policy. Shadow and economic costing and outline design of proposed water supply infrastructure improvements, with prioritisation to establish a 10 year Master Plan.	
Date:	September 1979 to 1981
Location:	Kenya, Ethiopia.
Company:	Norconsult AS
Position:	Senior Water Engineer / Project Manager
Description: Feasibility studies, specification, design and contract documentation for rural and urban water supplies in Kenya and Ethiopia; NORAD and other agency funded	
Date:	September 1975 to September 1977
Location:	Kenya
Company:	Ministry of Water Development, Kenya
Position:	Water Supply Engineer, Construction supervision
Description: Technical and management support and construction supervision for rural water supplies.	
Date:	September 1973 to September 1975
Location:	UK
Company:	Wessex Water Authority
Position:	Assistant New Works, then Feasibility Planning Engineer.
Description: Design and construction management of trunk water mains renewals, borehole and source development, and feasibility studies of new works for urban and dispersed rural water infrastructure.	
Date:	September 1970 September 1973
Location:	London, UK
Company:	Metropolitan Water Board / Thames Water
Position:	Assistant Engineer
Description: Design and construction supervision for major water infrastructure renewals and new works. Assistant to the Boards Well Engineer, manager of direct labour (50 tradesmen) for south-east London	
Date:	September 1965 September 1970
Location:	London, UK
Company:	Metropolitan Water Board / Thames Water
Position:	Student Apprentice, BSc candidate
Description: Trainee / graduate apprentice with new Works Section	

1965-70, Student Apprentice attending University then Graduate/Chartered Engineer with Metropolitan Water Board, London