

## CURRICULUM VITAE (CV) FOR HENK VAN DER PUIL

**Name of Firm:** WEW Engineering Ltd., (Water, Energy and Wastewater Consulting Engineers)  
**Name of Staff:** Henk van der Puil  
**Profession:** Mechanical Engineer  
**Date of Birth:** 27<sup>th</sup> September 1954  
**Nationality:** Dutch

### Membership of Professional Associations:

2015 PSDP (CPD) cert. ACEI/Engineers Ireland  
1988 European Engineer - Eur. Ing. (FEANI)  
1986 Chartered Engineer, Institution of Engineers of Ireland  
1976 Member, Institution of Engineers of Ireland.

### Key Qualifications:

Henk van der Puil has an honours degree in Mechanical Engineering (1976) and has worked in the Water Industry since 1978. He is a Chartered Mechanical Engineer and a Director of WEW Engineering Ltd. Henk has more than forty years experience as a Mechanical Engineer, Design Engineer, Project Engineer and Contracts Manager in the water, energy and wastewater field. He has worked for both Consultants and Specialist Design Build Contractors. He has been involved in the design and construction management of numerous projects. Particular skills include, process design, mechanical design of equipment, management of drawing / design office, validation of technical proposals and designs, design risk assessments and Hazop studies, plant commissioning, troubleshooting and certification of plants and systems.

Henk has worked in Ireland, The United Kingdom, The Netherlands, Indonesia, Nigeria, Algeria, Bulgaria, and Iraq.

### Education:

B.A., B.A.I. (Mechanical) (1976) University of Dublin (Trinity College Dublin)

### Work Undertaken that Best Illustrate Relevant Experience:

#### **Project: Rosslare Strand Waste Water Treatment Plant—Ireland**

**Client: Wexford County Council**

**Consultants: WEW Engineering**

Preparation of Design and Tender Documents for the phased upgrade of the Rosslare Strand Waste Water Treatment Plant for Wexford County Council (2013) Project Value: €700,000 approx.

#### **Project: Bond Waste Water Treatment Plant – Ireland**

**Client: CocaCola Ireland**

**Consultants: PM Group**

Director in charge of Design Procure Build Contract for a wastewater treatment plant incorporating stainless steel reactor tanks and multiple unique treatment units. Project Duration: 2 years approx. (2009 to 2010).

#### **Project: Dairygold Mitchelstown Waste Water Treatment Plant Upgrade – Ireland**

**Client: Dairygold PLC**

**Consultants: WEW Engineering**

Director in charge of Design Build team for the staged upgrade of the Waste Water treatment plant with advanced nutrient removal and tertiary filters.

Plant capacity: 250,000 population equivalent.

Project duration: 2005 to 2008 (3 stage).

Project Value: €8 million approx.

#### **Project: Tuzla Sewage Works, Istanbul, Turkey**

**Client: Istanbul Metropolitan Municipality**

**Consultants: HIL-WACON**

Detailed design of DAF Sludge Thickening Scraper Mechanisms and Triple Bridge Final Settling Tank Scraper Mechanisms (600,000 population equivalent).

**Project: Clare County Council – Waste Water Treatment Plants – Ireland**

**Client: Clare County Council**

**Consultants: Nicholas O'Dwyer**

Lead Design team engaged on the detailed design and construction of 3 No. waste water treatment plants for the following towns: Scarriff, Feakle, Quilty

Project Duration: 12 months approx. (2009 to 2010)

Project Value: €5 million approx.

**Project: Black Sea Basin – Wastewater Treatment Plants – Bulgaria**

**Client: Phare Programme**

**Consultants: Jennings O'Donovan**

Senior Mechanical Engineer on the preliminary design of 4 No. waste water treatment plants in the Black Sea Basin of Bulgaria as follows: Shumen WWTP (350,000 PE), Targovista WWTP (70,000 PE), Bourgas – Meden Rudnik WWTP (75,000 PE), Varna WWTP (60,000 PE)

Project Duration: 6 months approx. (2004).

**Project: Errigal Seafood—Ireland**

**Client: Errigal Bay Seafood**

**Consultants: WEW Engineering**

Preparation of Design and Planning Documents for the high quality upgrade of the Wastewater Treatment Plant (PE 20,000) at Errigal Seafood, Meenaneary, Co.Donegal Project Value:€400,000

**Project: Wexford Water Schemes (Kilmallock, Taylorstown)**

**Client: Irish Water**

**Consultants: WEW Engineering**

Engineering Director giving PI cover on preliminary works surveys, design/procurement and installation/commissioning method statements.

**Employment Record**

**2012 to Present | WEW Engineering Ltd., Water Energy and Wastewater Consultants | Director**

Principal Engineer, Director and H&S Manager of WEW Engineering Ltd. in Kilkenny, Ireland.

**1990 to 2012 | Treatment Systems Ltd. Kilkenny, Ireland | Founder Director**

Responsible for the direction, administration and coordination of company contracts. Special emphasis on mechanical engineering design and project management. Joint founder, owner and director of TSL since 1990.

**1989 to 1990 | Mahon and Mc Phillips (Water Treatment) Ltd. Kilkenny, Ireland. | Contract Manager**

Responsible to the Contracts Manager for all overseas and domestic engineering contracts for water and wastewater treatment plants.

**1986 to 1989 | Mahon & Mc Phillips (Water Treatment) Limited, Kilkenny, Ireland. | Head Mechanical Design Department**

Responsible for a team of engineering designers and draughtspersons producing fabrication drawings and material lists for the manufacture of water treatment equipment.

**1983 to 1986 | Mahon & Mc Phillips (Water Treatment) Limited, Kilkenny, Ireland. | Proposal Engineer**

The preparation of project proposals, tenders and quotation for water and effluent treatment plant equipment. The enquiries ranged in size from 100 P.E. to 500,000 P.E. Successful tenders included sewage treatment works in Northern Ireland, Iraq, Libya and Saudi Arabia.

**1982 to 1983 | Jennings & O Donovan, Consulting Engineers, Sligo, Ireland. | Mechanical Engineer**

Responsible for the design and specification of the mechanical and electrical installation for water supply projects in Iraq.

**1978 to 1982 | IWACO B.V. International Water Supply Consultants, Rotterdam, The Netherlands. | Mechanical Engineer**

The design of water supply and preparation of technical specifications for a wastewater treatment plant in Milianna, Algeria. Assistant Resident Engineer in charge of the supervision of pipelaying contracts on the Palembang Water Supply Project,

Palembang, Sumatra, Indonesia. The design and preparation of technical specifications for a wastewater reuse and disposal scheme for a crude oil stabilisation plant in Saudi Arabia. The design and preparation of technical specifications for the mechanical installation of various other projects.

**1976 to 1978 | Verolme Cork Dockyard, Ireland | Technical Assistant, Plant Department**

Troubleshooting, Maintenance planning and advising on Plant Purchase and Safety procedures.

**Language Skills**

| <b>Language</b> | <b>Speak</b>           | <b>Read</b>            | <b>Write</b>           |
|-----------------|------------------------|------------------------|------------------------|
| English         | Native                 | Native                 | Native                 |
| Dutch           | Native                 | Native                 | Native                 |
| French          | Good working knowledge | Good working knowledge | Good working knowledge |
| Indonesian      | Working knowledge      | Working knowledge      | Working knowledge      |