

**Name:** **Dara White**  
**Profession:** **Water/Wastewater Engineer**  
**Year of Birth:** **1961**



<b>Qualifications:</b>	<b>BABAI</b>	Civil Engineering	Trinity College Dublin.	1983
	<b>Diploma</b>	Management	Trinity College Dublin/IMI	1985
	<b>MSc</b>	Water and Wastewater masters	Birmingham University	1989
<b>Memberships:</b>	<b>CEng</b>	Chartered Member of Engineers Ireland		
	<b>MEI</b>	Member of Engineers Ireland		

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### Summary of Expertise

- Detailed process design engineering inputs on a large variety water/wastewater treatment works throughout Ireland
  - Contract document and specification preparation for a variety of contract types including conventional, design-build and design-build-operate contracts, including new 2009 DB/DBO Government contract
  - Project management of water and wastewater infrastructure projects including treatment plants, pipe replacement and water metering.
  - Energy audits of water and wastewater treatment works to promote efficiency of operation
  - Health and safety audits of water and wastewater treatment works
  - Health and Safety Officer for both site and office staff
  - Sludge management planning for local authorities
  - Mechanical electrical and instrumentation design capability
  - Specialist inputs for Environmental Impact Statements
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### Summary of Experience

#### 2010, PHM Consulting, Limerick

- Water supply Action and Improvement Plan for caravan park in Wicklow
- Preliminary Report on fisheries lake development
- Dilution report on Glynn WWTW
- Assimilation capacity of Kilmaley river for housing development
- Energy efficiency audits of wwtw in Galway and North Tipperary
- Report for Client on domestic water metering and AMR
- Business development.

#### 2002 – 2010 Technical and business development, CSL, Athlone and Carlow offices

Engineering design, technical support, emerging technologies:

**Ballon, Myshall and Palantine WWTW.**

Client: Carlow County Council.  
Contractor: Response Engineering  
Value: €1.8M

Preparation of Project definition report assessing required plant sizes, river dilution capacities, site selection and project budgets. Preparation of DBO contract documentation and specifications for the three works. Project management with CCC RE staff

2004 to completion in 2009



**Ballinkillen Tertiary Reed Bed.**

Client: Carlow County Council.  
Contractor: David Walsh Engineering  
Value: €0.1M

Design and project management of a tertiary treatment reed bed for a small rural wwtw in Ballinkillen as high quality final effluent required.

Completed 2007



**Automatic Water Meter Reading Project.**

Client: Carlow County Council.  
Contractor: CSL  
Value: €0.3M

Design, provision, installation and project management of a drive-by automatic water meter reading system for 1,900 non-domestic premises.

Completed 2009

**Other projects**

- Preparation of Integrated Pollution Control licence inputs for a number of wwtw in Carlow, (2008-09)
- Design, provision and installation of 18 UV treatment and Nitrate reduction wtw in Meath, (2007-09) €0.2M
- Health & Safety assessment of over 70 water/wastewater treatment works in Meath, (2007-08) €0.15M
- Technical support on the Dublin Water metering Project, (2004-2007) €0.1M
- Contract documentation on Rathoe WWTW using new Public Works Contract €1M
- Energy audits of water/wastewater treatment works in Carlow, Longford and Westmeath (2002-2007) €0.1M
- Process audits of water/wastewater works for capacity upgrade, eg Athlone WTW, Mortarstown WWTW,

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**1998 – 2002 Associate Director, PH McCarthy Consulting Engineers, Dublin and Athlone**

Lead Process Designer for projects including:



**Mutton Island wwtw.**

Client: Galway City Council

Contractor: Ascon

Value: €55M

Lead process design engineer on the wwtw detailed design and contract document preparation and tender evaluation, 1997-1999. Preparation of supplementary reports for Galway Main Drainage, 1994-1997, EIS and preliminary report inputs for Galway main drainage 1992-1994.

**Dublin Bay Project.**

Client: Dublin City Council

Contractor: ABA

Value: €245Mpe

Design Team member for preparation of preliminary report, 1993, Preparation of supplementary report 1995, DBO specification and contract documentation 1998, tender assessment and project management 1999-2002.



**Other Projects**

Malahide WWTW upgrade, process design (1998-2001)	€5.0M
Bundoran WWTW, process design (1999-2002)	€8.0M
Sludge Management Plans for Galway and Roscommon (1998-2001)	€0.2M

**1992 – 1998 Project Engineer, PH McCarthy Consulting Engineers, Dublin.**

Designer, project manager and process design for projects including:

Ballyjamesduff wwtw (1992-1999)	€2.0M
Gorey water mains replacement (1995-1997)	€1.1M
Bunclody WTW (1995 -1996)	€0.3M
Trim WTW – Adsorption clarifier process (1993-1995)	€3.0M
Adamstown and Tagoat WWTW (1993-1995)	€0.4M
Piercetown wwtw and reed bed (1994-1996)	€0.2M
Moate wwtw (1996)	€3.0M
Athlone Main Drainage (1992-1998)	€6.0M
Arklow WTW – DAF process optimisation (1993-1994)	€0.1M

**1989 – 1992 Tender and Project Engineer, Jones Environmental Ltd, Dublin**

Tender and design engineer for M&E projects including:

Longford wwtw	€1.0M
Carrick on Suir wtw	€1.1M

Killykeen Forest Part wtw  
Nenagh WTW

€0.1M  
€0.8M

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**1986 – 1988 Project engineer and project manager, Concern, Ethiopia.**

Provided engineering support on integrated development projects including:

Construction of clinics, schools and food storage silos  
Development of water sources and wells  
Provision of basic sanitation facilities  
Construction of various types of bridges

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**1983 – 1986 Technical surveyor, Citigas Ltd, Dublin.**

Team leader of team of gas surveyors  
Technical surveyor for conversion of Dublin to natural gas

**Papers**

Dara has presented talks to Engineers Ireland on the Dublin Bay Project, energy efficient design, Galway main drainage and sludge management practices.