
CURRICULUM VITAE

NAME : Fredrik Boye Ording **BORN:** 11.04.63
PROFESSION : Civil Engineer
YEARS WITH FIRM : 8 **NATIONALITY:** Norwegian
PROPOSED POSITION :

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KEY QUALIFICATIONS:

- 17 years' experience from research, consultancy and public control authority within water supply.
 - Design of water treatment plants, including development and introduction of a new process for combines humus removal and alkalisation of drinking water.
 - Risk analysis and security plans for municipal water supply systems
 - Evaluation of bacterial safety in water sources and requirements for water source protection
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COUNTRIES OF WORK EXPERIENCE:

Norway, Zambia

EDUCATION:

Date	Degree
1988	M.Sc., Civil Engineering, University of Trondheim, The Norwegian Institute of Technology

MEMBERSHIPS:

the Norwegian Association of Chartered Engineers
the Norwegian Water Association

EMPLOYMENT RECORD:

2003-date	NORPLAN A.S
1996-2002	Food and Water Control Authority, Vest-Agder County, Norway
1991-1996	NORPLAN A.S
1989-1991	SINTEF Research Foundation, Trondheim Norway

EXPERIENCE / NOTABLE ASSIGNMENTS:

- per date: Member of the national committee of the International Water Association (IWA).**
- Chairman of the local committee of the Norwegian Water Association.**
- 2005-2006 NORVAR (the Norwegian association of Water And Wastewater Works)**
Development of a guide for water testing (sampling and analysis). In cooperation with Aquateam – Norwegian Water Technology Centre.
- 2005-2006 NORVAR (the Norwegian association of Water And Wastewater Works)**
Development of a guide for water testing (sampling and analysis). In cooperation with Aquateam – Norwegian Water Technology Centre.
- 2005 City of Kristiansand, Norway**
Risk analysis, security measures and emergency plans for the water supply system. Project Manager
- 2005-2006 Ulefoss waterworks, Municipality of Nome, Norway**
Process design for a new water treatment plant applying ozonation and biologically activated carbon for the removal of organic matter.
- 2004-2005 Municipality of Odda, Norway**
Assistance in assessing the needs for improved water source protection (5 local water supply systems) and implementing and enforcing restrictions on land use
- 2004 City of Kristiansand and Maxit Group, Norway**
Pilot testing with crushed burnt clay in combination with granular calcium carbonate as filter media for drinking water. The tests were conducted as part of the process design considerations for upgrading the Rossevann waterworks in Kristiansand (250 L/s)
- 2004 City of Bergen, Norway**
Vulnerability analysis for the new water treatment plan at Svartediket Waterworks (930 L/s)
- 2004-2005 Norsk Rørsenter, Axflow and Honeywell**
Implementation in Norway of new European standard for the protection of drinking water from pollution caused by backflow. The project includes production of guidance material, training courses, and support to pilot municipalities. Project Manager
- 2003 Municipalities of Tvedestrand, Hitra, Vennesla**
Risk analysis and emergency plans for water supply systems (separate projects). Project Manager
- 1996-2002 Food and Water Control Authority, Vest-Agder County, Norway**
Employed as waterworks inspector, Responsible for control of 120 water supply systems of varying size. The tasks included inspections, internal control (HACCP) revisions, and guidance to waterworks owners.
Participated in the Department Advisory Group for the new Norwegian Drinking Water Regulations.
Responsible for evaluating the waterworks' vulnerability before the Y2K.
- 1995-1996 NORAD / World Bank / Government of Zambia**
Nine Towns Urban Water and Sanitation Systems Rehabilitation. Responsible for water quality assessment and recommendation for treatment plant process rehabilitation. (6 months in Zambia)

- 1994** **City of Oslo, Norway**
 Source Water Quality Risk Analysis, Skullerud Water Treatment Plant, Norway (500 l/s).
- 1994** **County of Møre og Romsdal, Norway**
 Water Supply to the Food Industry – Quality Requirements and the Waterworks' Responsibility. A guide for municipalities in the County of Møre og Romsdal, later also published by NORVAR (the Norwegian association of Water And Wastewater Works).
- 1993** **Municipality of Tingvoll, Norway**
 Process design for new water treatment plant (15 l/s). Project Manager
- 1993** **NORVAR (the Norwegian association of Water And Wastewater Works) and the Norwegian Research Council**
 Consequences for Norwegian waterworks of joining the ESA or the European Union. NORVAR report published 1994. Project Manager
- 1989-1991** **SINTEF Research Foundation, Trondheim Norway**
 Various research projects, including:
 - on-site pilot testing of various water treatment processes
 - water supply and recirculation techniques for land-based aquaculture operations,
 - measures against mercury in wastewater from dental clinics

LANGUAGES:	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
Norwegian	Mother tongue		
English	Excellent	Excellent	Good
German	Moderate	Moderate	
French	Moderate	Moderate	

CERTIFICATION:

I, the undersigned certify that, to the best of my knowledge and belief, this Curriculum Vitae correctly describes myself, my qualifications and experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if employed.

Signature:

Date of signing: