

Sean Pourazadi

(+64) 225 800 778

sean.pourazadi@gmail.com

Summary

Application for water/wastewater engineering position (Christchurch and nearby) as a Chemical Engineer with experience in:

- Running and operating a 500 m³/day RO desalination pilot plant (2+ years)
- Design, set-up and performance study of an ozone disinfection water treatment system
- Biological degradation of polymeric wastes from formaldehyde and resin factories
- Underground and surface water simulation (FEFLOW software)
- Sales and marketing of irrigation pumps and valves (Summer jobs)

In addition to my experiences, I have gained my water/wastewater knowledge through:

- Visiting Melbourne ETP wastewater treatment plant for ozone/UV disinfection and biological filtration units
- Visiting water chlorination unit at Qenos Petrochemical, Melbourne
- Visiting pH neutralization unit of Dow Chemical Co., Sydney
- Visiting underground water treatment/oxidizer at Botany Bay, Sydney
- Visiting RO desalination unit at Qenos, Sydney
- Teaching and developing materials for soil and underground water treatment, Canterbury University

Employment History

❖ Lecturer/Tutor

(May 2016-Present)
Chemical and Process Engineering department
Canterbury University

Duties and responsibilities:

- Developing and teaching materials related to various subjects in environment, biology and energy-related courses

❖ Platform start-up and modification supervisor

(Jan 2010-Nov 2011)
Sepehr Industrial Pioneers Co.

Duties and responsibilities:

- Installation supervisor for rotary and fixed equipment (Pump, compressor, Air cooler, Drum, Exchanger)
- Piping and Instrumentation Diagram, P&ID, conformity check
- LOG sheet preparation
- Reporting directly to operation manager

Skills and Abilities

- FEFLOW simulation for aquifer and surface waters
- MS Word, MS Excel, MS Power Point, MS Visio
- Documentation software skills (Mendeley, Endnote, isoTracker Document Control)

Training and Workshops

- Waste Stabilization Ponds: Design and Operation, Water New Zealand, 2018
- Soil, are we treating it like dirt!, Lincoln University, 2018

Professional Memberships

- Water New Zealand (2017-present)
- Canterbury Stormwater group
- Sydney Water, Melbourne Water, Sun Water, SeqWater
- “IChemE affiliate member”, (2015-present)

Extracurricular Activities

- “Quail Island Conservatory” member
- Travel, tramping
- Cooking, reading, horse riding, badminton

Education

- **Chemical and Biomolecular Engineering** (*Postgrad*)
Sydney University, 2012-2016

References

- References are available upon request