

Effective Wastewater Management under the RMA

November 2024 Two-Day ENVIROKNOWLEDGE® Training in Dunedin, Christchurch and Hamilton

For Local & Central Government, Processing Industry and Consultancy Professionals

By

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ENVIROKNOWLEDGE®

HIGH QUALITY RMA & ENVIRONMENTAL KNOWLEDGE TRANSFER

A Unique Training Integrating Wastewater Treatment and Receiving Water Quality Science and the Resource Management Act



Why is the topic crucial? Quality knowledge in wastewater treatment, discharge impacts and consent process/compliance is essential to the wastewater managers (district/city councils/industries), regulators (e.g., regional councils) and consultants to manage wastewater under the RMA and potentially under the *Taumata Arowai* requirements. There has been no single course offering the science of wastewater treatment and discharge impacts and discharge legal processes authoritatively. With the above in mind, a short, comprehensive, and high quality 2-day training and manual have been researched and developed by ENVIROKNOWLEDGE®. Since its inaugural November 2016 wastewater workshop, more than 160 NZ professionals (regional and city/district councils, consultants and contractors) have attended and provided excellent feedback.

Topics not to be missed

- The science of biological systems such as activated sludge, trickling filter, stabilisation ponds, sequencing batch reactors, packed bed reactors, membrane bioreactors and land treatments – Each system explained with the highest clarity
- Understanding and managing impacts of wastewater contaminants and assimilation in surface water, groundwater and land and setting discharge limits
- Wastewater consents process and monitoring under the Resource Management Act (RMA)

District & City Councils/Industrial/Wastewater Managers: Understanding the science, limitations and strengths of wide-ranging wastewater treatment systems will help making decisions on costly upgrades saving millions of dollars and optimising system performance and contractor management. Technical knowledge will also assist in managing tenders from wastewater system providers/designers. Legal knowledge in effective consent application and compliance management will assist in minimising costly consent process and enforcement. This short, interesting and interactive training will ensure easy uptake of the biochemical principles/rationales for a range of treatment *operations* and *systems* will improve your knowledge of consents/compliance requirements to manage wastewater discharges to reduce impacts and satisfy the regional council consents and compliance requirements.

Regional Councils/Central Government: The 2-day interactive and illustrative training will be ideal for science, planning, consents and compliance staff who are involved in any *wastewater discharges* to land and water. Wide ranging sewage/industrial wastewater treatment systems will enable understanding the science of a range of wastewater treatment systems (including advanced technologies yet to be used in NZ), wastewater treatment capabilities and limitations, contaminant assimilation in land, groundwater and surface water and resource use limit setting in the context of the NPS-FM 2020, all within just 2 days.

Consultants/Hearing Commissioners: The 2-day interactive presentation which deals with regulated wastewater discharges will be beneficial to engineers, hearing commissioners, scientists and planners who are engaged in wastewater discharge consents, compliance or planning. It deals with a wide range of treatment options for water and land discharges including advanced systems and the respective legal and technical aspects. Contaminants assimilation in land, groundwater and surface water and discharge limit setting will also be dealt with.

About ENVIROKNOWLEDGE®: An independent high-quality NZ consultancy founded in 2015 which specialises in training, research and advisory rules/NPS/NES implementation (effective consents process and consent monitoring), nitrogen in the environment, wastewater treatment and farm nutrient management.

About the presenter: Dr Selva Selvarajah has 21 years of regional council experience (13 years as Director Resource Management). He has sound technical and legal knowledge in soil, water and wastewater management and excellent presentation (6 keynote papers & presentations in NZ and overseas) and workshop skills (>450 regional/district council, consultancy and CRI professionals have attended his various workshops since 2015). He has written >100 reports, newspaper articles and publications (visit www.enviroknowledge.co.nz for his reports and publications). His workshops are original and of high quality, well-researched and delivered with clarity. He was the first NZ expert to model farm dairy effluent irrigation loading of N in 1994 for the Waikato Regional Council. His leadership in wastewater technical knowledge and collaboration/negotiation resulted in many significant upgrades in the Otago Region <http://www.enviroknowledge.co.nz/assets/Uploads/Publications/Wastewater-Paper.pdf>. He holds Advanced Sustainable Nutrient Management Massey University and Making Good Decisions Chair (Hearing Commissioner Chair) certificates.

Please register with full name, position, name of your employer and location you wish to attend at sustain@enviroknowledge.co.nz. *Seats are limited to 15 per location.* You can request for any further information on the workshop using the above e-mail address or by calling on 03 4776111.

¹Workshop fee/person:

\$1475 (Excl GST) (2018 price)

Scheduled workshop time:

9 am to 5 pm

Registration final date:

8 November 2024

Venue	Workshop dates
Dunedin – Alhambra Oaks Motor Lodge, 558 Great King Street	12 & 13 November 2024
Christchurch – Russley Golf Club, 428 Memorial Avenue	21 & 22 November 2024
Hamilton – Aaron Court Motor Lodge, 250 Ulster Street	28 & 29 November 2024

¹Workshop fee includes 144-page full colour hard copy 2024 edition manual with over 55 references, certificate and 3-month technical support on workshop contents and does not include the cost of accommodation. Discount:-5% for 3-5 and 10% for ≥6 (discount applies to attendees from the same employer).

EFFECTIVE WASTEWATER MANAGEMENT under the RMA

ENVIROKNOWLEDGE® **November 2024** TECHNICAL TRAINING FOR
LOCAL & CENTRAL GOVERNMENT, PROCESSING INDUSTRY AND
CONSULTANCY PROFESSIONALS

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