



ecoEng: Services & Engagement

Engineering services

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Services

ecoEng Ltd has provided its services to a number of regions within New Zealand as well as to Australia and the South Pacific.

ecoEng Ltd specialises in providing clients with integrated ecological options for on-site stormwater and wastewater management.

Types of engineering services:

- On-site and cluster domestic wastewater.
- On-site stormwater.
- Small scale water supply.
- Agricultural wastewater.
- Irrigation.

ecoEng services include:

- Soil and site assessment.
- Options assessment and scoping reports.
- Engineering design, producer statements and specifications (costing as required).
- Risk assessment and assessment of environmental effects.
- Preparation of management and servicing manuals.
- Compliance application and processing.
- Installation supervision and certification.
- Training and education programmes.
- Research and development.

For:

- Individual domestic dwellings.
- Subdivisions.
- Remote sites.
- Institutions, e.g schools.
- Functions centres, restaurants.
- Farm animal waste management.

On-site Domestic Wastewater Engineering Services

ecoEng Ltd specialises in providing clients with ecological options for on-site water manage and, both conventional and ecological on-site wastewater options for difficult sites.

Indicative costs to engage ecoEng Ltd for engineering assessment of a domestic on-site wastewater service for one dwelling.

It is often necessary (in terms of gaining consents and permits), and beneficial, to engage a qualified and experienced professional to assist with the planning, processing and certification of an on-site wastewater service for a particular development.

The indicative costs for the different types of service ecoEng Ltd offers are presented below for a typical on-site wastewater system for one dwelling.

Fees and Services Schedule for on-site wastewater (domestic) management projects

Service A: A complete on-site wastewater service includes:

- ✓ **Site and soils assessment.**
- ✓ **Options report.**
- ✓ **Full design of preferred option with detailed report and producer statement.**
- ✓ **Regional Council consent processing and documentation, including responding to technical auditing enquiries from the Regional Council auditor.**
- ✓ **Installation report for installer.**
- ✓ **Servicing and maintenance guidelines.**

This packages of services will cost \$1400 + gst and is inclusive of travel, printing and phone call disbursements.

Component Services Costs

ecoEng Ltd is not bound by the following indicative costs. These costs may vary depending on the circumstances of the project and the reader is advised to seek confirmation of actual costs from ecoEng Ltd.

Service	ecoEng service includes	Indicative cost ¹
B. Desktop study	On being provided basic site details by the client, ecoEng Ltd will do a preliminary desk-top study and brief report. A preliminary assessment of the site for on-site wastewater based on existing reports data (e.g. Regional Council GIS and other data, soils maps and existing reports). Client to provide project and site details as specified in Appendix A.	\$250 +gst Note: If ecoEng is engaged for the next stage (B) then this cost will be deducted.
C. Site and soils assessment and report	This service includes: <ul style="list-style-type: none"> • Desktop study. • Full professional site visit and soils assessment. • Consultation with client. • Site and soil assessment report. • Verbal report on options. 	\$500 +gst (Includes disbursements)²

<p>D. Options assessment, design, Regional Council compliance documentation and installer's report</p>	<p>Note that this service can only be done after a site and soils assessment.</p> <p>Options assessment. ecoEng can provide a scoping report that outlines the on-site wastewater options appropriate to the site. Once the client has agreed to preferred option then ecoEng will provide full design details for preferred option, Regional Council compliance documentation (including environmental impact assessment if required), installers report (sufficient detail for quote to supply and install). Other document and services include:</p> <ul style="list-style-type: none"> • Design producer statement. • Management and maintenance requirements. • Installation certificate template for installer. • Respond to all subsequent technical enquiries that may be raised by regulators, technology suppliers, installers and client. <p>The Applicant is expected to contact the relevant District Council and provide the necessary details and documents. ecoEng Ltd can do this for an additional cost.</p>	<p>\$950+gst</p> <p>(Includes disbursements)²</p> <p>With prior agreement with the client, ecoEng reserves the right to increase this fee where environment impact assessment requires significantly more work than typical site.</p> <p>Should the client wish to exclude consenting documentation and follow-up issues from this service \$350 will be deducted from this fee.</p>
<p>E. Installation supervision.</p>	<p>If site supervision of installation of a system, designed by ecoEng Ltd, is required by the property owner, this may be delegated by ecoEng Ltd to a qualified person (e.g. the installer) or alternatively can be provided ecoEng Ltd. This service will include the issuing of a construction producer statement.</p>	<p>If delegated to installer, there is no eocEng cost, otherwise about \$150 + disbursements per site visit.</p>
<p>F. Certification of installed system.</p>	<p>Often a condition of the consent is that the installed system is certified by a qualified person. If the installer is not able to provide this service ecoEng Ltd is available to provide this service.</p>	<p>\$75 + disbursements for systems designed by ecoEng otherwise \$250+ disbursements.</p>
<p>1. These cost will apply to a typical single dwelling project. For atypical situations ecoEng can provide a site specific fee proposal on request.</p> <p>2. This cost includes the following disbursements; travel to and from site, related phone charges and printing. Other required disbursements will be added after consultation with client.</p>		

Acceptance

If you wish to engage ecoEng Ltd for any of the services described above please complete and return the agreement form in **Appendix B**

Note that a deposit of \$500 is required for services A and D on acceptance of the agreement Appendix B before work will commence.

All other services (e.g. stormwater design) or additional work.

ecoEng is available to provide project specific fee proposals for all other services listed above outside the on-site wastewater services specified above.

Items may incur additional costs at the standard fees (gst excl) of:

- Principal – \$130 per hour
- Technician – \$60 per hour
- Travel - \$0.70 per kilometre
- Disbursements – cost plus 10%

Appendix A: Site Detail of on-site wastewater projects

ecoEng requires the following site information from the land owner. This information can be obtained during the site visit, however it is helpful if some (especially that underlined) can be sent (email:

ecoeng@ecoeng.co.nz) prior to the site visit:

- Site address.
- Legal description of property.
- Name of district council.
- Area of property (title).
- If a subdivision after Sept 1991, date of subdivision.
- Number of bedrooms.
- Other wastewater sources (if any).
- Water saving – yes/no (i.e., use of low water use toilet cistern(s), shower heads and washing machine).
- Description of water supply for site. (e.g. town supply, well, roof,other). If it is a (council) restricted supply how many litres/day.
- Site plan (preferably to scale or with key dimensions) showing:
 - Boundaries.
 - Location of any nearby (within 100m of boundary) wells, streams, water races, wetlands.
 - House site.
 - Preferred site for treatment system.
 - Preferred area location of area where treatment wastewater is to be land-applied.
- If you have a preferred wastewater treatment system and installer provide details.



Appendix B: Agreement for Engagement of ecoEng Limited for Engineering Assessment of On-site wastewater options.

Payment of fee:

Deposit of **\$500** for services A and D is required on acceptance of this agreement
Balance on completion of service.

Service Required	If service required please sign	Agreed fee (excluding gst)
A. Full service		\$1400
B. Desktop study		\$250
C. Site and soils assessment and report ¹		\$500
D. Engineering report, consent documentation, installers report		\$950
E. Installation supervision.		\$150+disbursements /site visit
F. Certification of installed system..		\$75 or \$250 + disbursements
1. Note that Service D is dependent on completion of Service C.		

Name :

Address

.....

Ph number

Email Address

Additional services required:

Return to: eco Eng Ltd,
63 Bowenvale Ave, Christchurch 8022
Fax 03 942 9954
Email: ecoEng@ecoeng.co.nz

Conditions of Engagement : for on-site wastewater management projects (domestic)

1. The Consultant shall perform the Services as described in the attached documents. The Client and the Consultant agree that the Services are acquired for the purposes of a business and that the provisions of the Consumer Guarantees Act 1993 are excluded in relation to the Services.
2. In providing the Services the Consultant shall exercise the degree of skill, care and diligence normally expected of a competent professional.
3. The Client shall provide to the Consultant, free of cost, as soon as practicable following any request for information. The Consultant shall not, without the Client's prior consent, use information provided by the Client for purposes unrelated to the Services.
4. The Client is to make full disclosure of relevant information on existing and/or proposed activities on the site that will influence estimation of likely daily wastewater quantity (potential number of bedrooms and other wastewater producing activities) and quality (in particular any chemicals in the water supply and/or wastewater stream potentially toxic to biological wastewater processes). Failure, by the Client, to provide such information will invalidate the design producer statement.
5. The Client is to make full disclosure of relevant information on proposed activities, in the vicinity of the site for the proposed wastewater system (treatment and land application), after the date of site and soil assessment and before the date of system installation, that may alter in any way the soil type and soil profile, land grades and storm and surface water flow paths, proximity of water supply bores.
6. The Client may order variations to the Services (in writing) or may request the Consultant to submit proposals for variation to the Services.
7. The Client shall pay the Consultant for the Services the fees and expenses at the times and in the manner set out in the attached documents.
8. All amounts payable by the Client shall be paid within twenty (20) working days of the relevant invoice being mailed to the Client. Late payment shall constitute a default, and the Client shall pay default interest on overdue amounts from the date payment falls due to the date of payment at the rate of the Consultant's overdraft rate plus 2% and in addition the costs of any actions taken by the Consultant to recover the debt.
9. Where Services are carried out on a time charge basis, the Consultant may purchase such incidental goods and/or Services as are reasonably required for the Consultant to perform the Services. The cost of obtaining such incidental goods and/or Services shall be payable by the Client. The Consultant shall maintain records which clearly identify time and expenses incurred.
10. The liability of the Consultant to the Client in respect of his or her Services for the project, whether in contract, tort or otherwise, shall be limited to the lesser of five times the value of the fees (exclusive GST and disbursements), or the sum of \$NZ 250,000. The Consultant shall only be liable to the Client for direct loss or damage suffered by the Client as the result of a breach by the Consultant of his or her obligations under this Agreement and shall not be liable for any loss of profits.
11. The Consultant acknowledges that the Consultant currently holds a policy of Professional Indemnity insurance for the lesser of \$NZ 250,000 or five times the value of the fees (exclusive of GST and disbursements). The Consultant undertakes to use all reasonable endeavours to maintain a similar policy of insurance for six years after the completion of the Services.
12. Neither the Client nor the Consultant shall be considered liable for any loss or damage resulting from any occurrence unless a claim is formally made on him or her within six years from completion of the Services.
13. If either Party is found liable to the other (whether in contract, tort or otherwise), and the claiming Party and/or a Third Party has contributed to the loss or damage, the liable Party shall only be liable to the proportional extent of its own contribution.
14. The Consultant shall retain intellectual property/copyright in all drawings, specifications and other documents prepared by the Consultant. The Client shall be entitled to use them or copy them only for the Works and the purpose for which they are intended. The ownership of data and factual information collected by the Consultant and paid for by the Client shall, after payment by the Client, lie with the Client. The Client may reproduce drawings, specifications and other documents in which the Consultant has copyright, as reasonably required in connection with the project but not otherwise. The Client shall have no right to use any of these documents where any or all of the fees and expenses remain payable to the Consultant.
15. The Consultant has not and will not assume any obligation as the Client's Agent or otherwise which may be imposed upon the Client from time to time pursuant to the Health and Safety in Employment Act 1992 ("the Act") arising out of this engagement. The Consultant and Client agree that in terms of the Act, the Consultant will not be the person who controls the place of work.
16. The Client may suspend all or part of the Services by notice to the Consultant who shall immediately make arrangements to stop the Services and minimise further expenditure. The Client and the Consultant may (in the event the other Party is in material default) terminate the Agreement by notice to the other Party. Suspension or termination shall not prejudice or affect the accrued rights or claims and liabilities of the Parties.
17. The Parties shall attempt in good faith to settle any dispute by mediation.
18. This Agreement is governed by the New Zealand law, the New Zealand courts have jurisdiction in respect of this Agreement, and all amounts are payable in New Zealand dollars.