



Site, Soil, System & Environmental Assessment On-site Sewage Management System

To be completed by a wastewater consultant or Council approved site evaluator when wastewater management will involve the on-site disposal of effluent.

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Raymond Terrace NSW 2324

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ABN 16 744 377 876

For properties identified with a hazard class that is Low or Medium only

☐ Low ☐ Medium

PART A

EVALUATOR DETAILS

Company Name	<input type="text"/>		
Evaluator Name	<input type="text"/>		
Phone	<input type="text"/>	Email	<input type="text"/>
Address	<input type="text"/>		
Suburb	<input type="text"/>	State	<input type="text"/>
		Postcode	<input type="text"/>
Signature	<input type="text"/>	Assessment Date	<input type="text"/>

Declaration of evaluator ☐ I declare that the information contained within this report is a true and accurate record of the site and soil assessment undertaken

PART B

PROPERTY DETAILS

Lot No.	<input type="text"/>	House No.	<input type="text"/>	Street name	<input type="text"/>		
Suburb	<input type="text"/>			State	<input type="text"/>	Postcode	<input type="text"/>

Water supply available ☐ Town ☐ Tank ☐ Dam/ Creek/ Bore

PART C

DEVELOPMENT DETAILS

Type of Development ☐ Residential Dwelling

Number of Bedrooms ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

Note: This form cannot be used for non-residential development.

NOTE**ABORIGINAL ARCHAEOLOGICAL DEPOSIT**

In the event of any aboriginal artefact, object or structure being unearthed, all work must cease immediately in the affected area, and the Biodiversity Conservation Division (BCD) shall be informed of the discovery. Work must not recommence until the material has been inspected and permission has been given by BCD to proceed.

PART D**SITE ASSESSMENT**

Site Assessment	Low Hazard Class		Medium Hazard Class	
	Limit	Comply	Limit	Comply
Aspect/exposure of disposal area (sun and wind)	High	<input type="checkbox"/>	Moderate	<input type="checkbox"/>
Slope of disposal area	< 10%	<input type="checkbox"/>	10 – 20%	<input type="checkbox"/>
Flooding – is the property flood prone?	> 1:100 year AEP	<input type="checkbox"/>	> 1:20 year AEP	<input type="checkbox"/>
Hunter Water Special Area (catchment)	Outside	<input type="checkbox"/>	Outside	<input type="checkbox"/>
Depth to bedrock or hardpan?	> 1.0 metres	<input type="checkbox"/>	> 0.6 metres	<input type="checkbox"/>
Depth to groundwater?	> 1.0 metres	<input type="checkbox"/>	> 0.6 metres	<input type="checkbox"/>
Groundwater bore – distance to disposal area?	> 250 metres	<input type="checkbox"/>	> 250 metres	<input type="checkbox"/>
Permanent waters – distance to disposal area?	> 100 metres	<input type="checkbox"/>	> 100 metres	<input type="checkbox"/>
Dams, drains, intermittent watercourses – distance to disposal area?	> 40 metres	<input type="checkbox"/>	< 40 metres	<input type="checkbox"/>
Vegetation - removal for disposal area?	No	<input type="checkbox"/>	No	<input type="checkbox"/>
Soil classification (AS/NZS 1547:2012)	Cat. 2-5	<input type="checkbox"/>	Cat 1-5	<input type="checkbox"/>

Refer to assessment guidelines for assistance in completing this section

PART E**SOIL ASSESSMENT**

Layer	Refer to assessment guidelines for assistance in completing this section				
	Depth of Layer (mm)	Colour	Structure grade	Texture	Notes
1					
2					
3					
4					

Hole Terminated at: m² due to ☐ Bedrock ☐ Groundwater ☐ Other:

Soil Texture Codes

S = Sand, SL = Sandy Loam, L = Loam, CL = Clay Loam, LC = Light Clay, MHC = Medium / Heavy Clay

Soil Structure Codes

SG = Single Grained, W = Weak, Md = Moderate, S = Strong, Ms = Massive

PART E

ACCEPTABLE SOLUTION SELECTION / SIZING THE LAND APPLICATION AREA (LAA)

Low Hazard Class Properties	All answers in Part D comply with low hazard class limit →	Obtain size of LAA from App. A of DAF using the key on page A-1	LAA Size:	m2
	1 or more answers in Part D don't comply with low hazard class limit →	<ul style="list-style-type: none"> Provide additional information to justify or overcome identified constraint(s). LAA may still be sized from Acceptable Solutions, however site specific design calculations may be necessary to demonstrate ability to manage constraints. Design LAA to overcome identified constraint(s). 		
Medium Hazard Class Properties	All answers in Part D comply with medium hazard class limit →	Obtain size of LAA from App. A of DAF using the key on page A-1	LAA Size:	m2
	1 or more answers in Part D don't comply with medium Hazard Class limit →	<ul style="list-style-type: none"> Detailed site and soil assessment in accordance with the High hazard DAF procedure (Section 1.3 of DAF) completed by a suitably qualified consultant. Acceptable Solution sizing tables in Appendix A of DAF cannot be used. Site specific design calculations in accordance with the High hazard DAF must be undertaken (refer to Section 1.3 of the DAF). 		

PART F

TREATMENT SYSTEM

Treatment system considered best suited to site:

- ☐ Aerated Wastewater treatment system
 ☐ Septic Tank
 ☐ Wet Composting
 ☐ Dry Composting
☐ Constructed Wetland
 ☐ Sand/ Media Filter
 ☐ Other

System manufacturer

Nominated hydraulic capacity (L/day)

Note: Land application pumps, valves, filter and pipework must be sized on a site specific basis to ensure the correct operation of the land application system.

PART G

DISPOSAL AREA

Disposal area considered best suited to site and treatment system

- ☐ Sub-surface
 ☐ Surface Spray
 ☐ Surface Drip
 ☐ Evapotranspiration
☐ Absorption Trench
 ☐ Wisconsin Mound
 ☐ Other

PART G

SITE PLAN

- ☐ Please attached a minimum A4 (1:500) Plan showing:
- Location of tank(s) and primary/reserve (where applicable) land application areas
 - Location of all effluent pipework (drinker line etc.) and all relevant hardware (valves etc.)
 - Location of boundaries, drains, buildings, swimming pools, paths, groundwater bores, dams and waterways
 - Location of storm water diversion drains and earth bunds and
 - Approximate slope angle and direction

ASSESSMENT GUIDANCE NOTES

Report Evaluator

The declaration must be signed by the site and soil evaluator for the assessment to be accepted. Council will verify the accuracy of assessments undertaken by all evaluators. Inaccurate or misleading evaluations will not be accepted.

Site Assessment

- Slope may be estimated visually.
- Subsurface criteria must be assessed through excavation of at least one soil test pit within the proposed land application area(s).
- Approval may be required for removal of vegetation under Council's Tree Preservation Order. It is the responsibility of the property owner to obtain approval where necessary.
- Failure to declare obvious property constraints may trigger additional investigation requirements.

Soil Assessment

- Reference can be made to Section 6.1 of the Development Assessment Framework for more guidance on soil assessment.
- ASNZS1547:2012 can also be used to evaluate soil texture, structure and other properties.
- Soil profiles should be reported to a depth of 600mm below the point of application / base of trench, to depth of refusal or depth of groundwater.
- Coarse fragments (gravel, cobbles, boulders etc.) should be noted.
- Colour should be recorded as dominant colour in addition to mottles.

Acceptable Solution / Land Application Area Sizing

- All information required to determine the minimum LAA size from the Acceptable Solutions in the DAF are contained in this form.
- For Low HC, Acceptable Solutions can still be used where the site and soil criteria in Part E are not met. Use will be subject to satisfactory demonstration that observed constraints can be adequately managed.
- For Medium HC, Acceptable Solutions can only be used where ALL criteria in Part E are met.

PART H

SUBMIT

Please return your completed and signed form to:

In person/mail	Port Stephens Council	Fax	(02) 4987 3612
	Administration Building	Email	Enviro@portstephens.nsw.gov.au
	116 Adelaide Street	Enquiries	(02) 4988 0255
	PO Box 42		
	Raymond Terrace NSW 2324		

PRIVACY

Port Stephens Council is committed to protecting your privacy. We take all reasonable steps to comply with relevant legislation and Council policy.

Purpose: Obtain Site, Soil and Environmental Assessment details with relation to an application to install an Onsite Sewage Management System.

Intended recipients: Council staff and any persons wishing to inspect the application in accordance with the *Local Government Act 1993* and *Government Information (Public Access) Act 2009*.

Supply: Voluntary.

Consequence of Non Provision: Approval to install, alter or construct a waste treatment device or human waste storage facility may not be issued and approval to operate a system of sewage management may not be granted.

Storage and security: This document will be placed on the relevant file and/or saved in Council's records management system in accordance with Council policy and relevant legislation.

Access: Please contact Council on 02 4988 0255 to enquire how you can access information.