Notice

Environmental Protection Act 1994

Amendment of an environmental authority by the administering authority

This notice is issued by the administering authority[1], pursuant to section 211of the Environmental Protection Act 1994 *to advise that an environmental authority is being amended.*

To: Aone Pty Ltd
PO Box 8173
SUNNYBANK QLD 4109

Email: paoru.wang@gmail.com

Our reference: 420450

Amendment of an environmental authority to correct a clerical or formal error.

1. **Environmental authority details**

Environmental authority number EPPR02446114 dated 22-Jan-2015.

Land description: 131 Roberts Road, Anderleigh Lot 17 Plan RP163611.

2. **Amendment**

The administering authority has become aware that there is a clerical error on the environmental authority that requires correction. This correction is minor in nature and will not adversely impact your interests or anyone else. As a result, the following amendment has been made to your environmental authority:

Conditions: Schedule 1 (site plans) and Schedule 2 (design specifications) have been added to your Environmental Authority EPPR02446114.

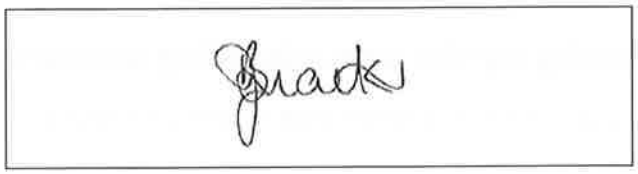
The amended environmental authority is enclosed with this notice.

3. **Review and appeal rights**

You may apply to the administering authority for a review of this decision within 10 business days after receiving this notice. You may also appeal against this decision to the Planning and Environment Court. Information about your review and appeal rights is attached to this notice. This information is guidance only and you may have other legal rights and obligations.

[1] The Department of Environment and Heritage Protection is the administering authority under the *Environmental Protection Act 1994.*

Amendment of an environmental authority by the administering authority



Signature

22/01/2015

Date

Jodie Brackenbury
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Alison Shaw
Permit and Licence Management
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: (07) 3330 5875
Email: palm@ehp.qld.gov.au

Attachments

Information sheet: Internal Review and Appeal to Planning and Environment Court (EM1866)

Amended environmental authority (reference EPPR02446114)

Permit[1]

Environmental Protection Act 1994

Environmental authority

This environmental authority is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.

Permit[1] number: EPPR02446114

Environmental authority takes effect on 22-JAN-2015.

The anniversary date of this environmental authority remains 19-SEPT. An annual return and the payment of the annual fee will be due each year on this day.

Environmental authority holder(s)

Name	Registered address
Aone Pty Ltd	89 Lincoln Drive FORESTDALE QLD 4118

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
63-(1a)(i) Sewage treatment >21 to 100EP - IT or IR	131 Roberts Road and Anderleigh - Lot 17 Plan RP163611

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority is issued is a restatement of the ERA as defined by legislation at the time the approval is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an environmental authority as to the scale, intensity or manner of carrying out an ERA, then the conditions prevail to the extent of the inconsistency.

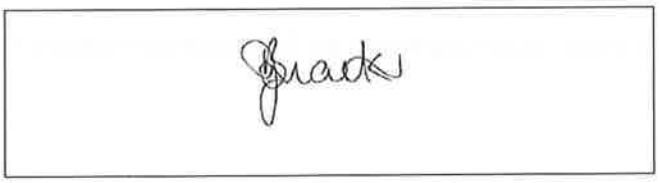
An environmental authority authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the authority specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

Contaminated land

[1] Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation

It is a requirement of the EP Act that if an owner or occupier of land becomes aware a notifiable activity (as defined in Schedule 3 and Schedule 4) is being carried out on the land, or that the land has been, or is being, contaminated by a hazardous contaminant, the owner or occupier must, within 22 business days after becoming so aware, give written notice to the chief executive.



Signature

22/01/2015

Date

Jodie Brackenbury
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

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Permit and Licence Management
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Obligations under the *Environmental Protection Act 1994*

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

Conditions of environmental authority

Location: 131 Roberts Road, Anderleigh, QLD, 4570

Lot 17 Plan RP163611

Relevant activity/ies:

63-(1a)(i) Sewage treatment >21 to 100EP - IT or IR

The environmentally relevant activity(ies) conducted at the location as described above must be conducted in accordance with the following site specific conditions of approval.

Agency interest: General	
Condition number	**Condition**
G1.	All reasonable and practicable **measures** must be taken to prevent the likelihood of environmental harm being caused.
G2.	Any breach of a condition of this environmental authority must be reported to the **administering authority** as soon as practicable, or at most, within 24 hours of becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions undertaken.
G3.	Other than as permitted by this environmental authority, the **release of a contaminant into the environment** must not occur.
G4.	The **activity** must not cause **environmental nuisance** at a **sensitive place** or **commercial place**.
G5.	All information and records required by the conditions of this environmental authority must be kept for a minimum of five years, with the exception of environmental monitoring results which must be kept until surrender of this environmental authority. All information and records required by the conditions of this environmental authority must be provided to the **administering authority** upon request and in the format requested.
G6.	An **appropriately qualified person(s)** must monitor, record and interpret all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority.

G7.	All analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (**NATA**) certification, or an equivalent certification, for such analyses.
G8.	**You** must record the following details for all environmental complaints received: a) date and time complaint was received; and b) name and contact details of the complainant; and c) nature of the complaint; and d) investigations undertaken; and e) conclusions formed; and f) actions taken.
G9.	When required by the **administering authority**, monitoring must be undertaken in the manner prescribed by the **administering authority**, to investigate a **complaint** not considered by the **administering authority** to be frivolous or vexatious, of **environmental nuisance** arising from the **activity**. The monitoring results must be provided to the **administering authority** upon request.
G10.	The **activity** must be undertaken in accordance with written procedures that: 1. identify potential risks to the environment from the **activity** during routine operations, closure and an emergency; and 2. establish and maintain control **measures** that minimise the potential for environmental harm; and 3. ensure plant, equipment and **measures** are maintained in a proper and effective condition; and 4. ensure plant, equipment and **measures** are operated in a proper and effective manner; and 5. ensure that staff are trained in and aware of their obligations under the *Environmental Protection Act 1994*;and 6. ensure that reviews of environmental performance are undertaken at least annually.
G11.	The holder of the environmental authority must monitor and record the condition of all infrastructure and disposal areas associated with the effluent treatment and disposal system to identify any problems, for example, effluent seepage or broken pipes, as specified in **Table 1 – Infrastructure and Disposal Area Monitoring Program**.

Table 1 – Infrastructure and Disposal Area Monitoring Program

Infrastructure and disposal areas to be monitored	**Monitoring Frequency**	**Monitoring Type**
All visible pipelines and fittings	Weekly	Visual
All septic tanks and grease traps	Weekly	Visual
Vegetation and soil within the disposal areas	Weekly	Visual

G12.	All septic tanks are to be inspected at least every 12 months by an **appropriately qualified person(s)** and a report prepared showing: 1. Depth of sludge; and 2. Thickness of crust; and 3. General condition of the system; and 4. Details of any required maintenance, repairs or actions. Tanks should be pumped out if sludge depth exceeds 60% of the total tank capacity.
G13.	The effluent disposal area must not be located within 90 metres of any bore used for domestic water supply.
G14.	The effluent disposal area must not be located within 1000 metres of any bore used for town water supply.
G15.	Storage of chemicals and fuels in bulk or in containers of greater than 15 litres must be within a secondary containment system and releases controlled in a manner that prevents environmental harm.
Agency interest: Water	
Condition number	**Condition**
W1.	**Contaminants** from the **activity** must not be released to **waters**.
W2.	Stormwater contaminated by the **activity** must be managed to minimise or prevent any adverse effect on the **environmental values** of the receiving environment.
W3.	The holder of this environmental authority must monitor and record all of the quality characteristics specified in **Table 2 – Monitoring Program.** **Table 2 – Monitoring Program**

Monitoring point	**Quality characteristics**	**Units**	**Monitoring Frequency**
GW and D1	**Total Nitrogen**	mg/L	Annually#
GW and D1	**Total Phosphorus**	mg/L	Annually#
GW and D1	E.coli	cfu/100ml	Annually#

Monitoring point GW = All water supply bores onsite (refer to **Schedule 1 – Site Plan**)
Monitoring point D1 = Surface water in the dam downslope of the cabins disposal area (refer to **Schedule 1 – Site Plan**)
= Monitoring must be completed between 1 January and 31 April each year.

Agency interest: Land	
Condition number	**Condition**
L1.	Other than as permitted within this authority, contaminants must not be released from the site to land.

L2.	Treated effluent is only permitted to be released to land via adsorption trenches at locations defined in **Schedule 1 – Site Plan.**
L3.	Treated effluent is only permitted to be released to land via adsorption trenches in accordance with design specifications provided in **Schedule 2 – Advanced Enviro-septic design specifications.**
L4.	Treated effluent is permitted to be released to land provided that it is done in accordance with a written procedure that ensures: a) drainage to groundwater and subsurface flows of contaminants to surface waters are prevented; and b) surface pondage and run-off of effluent is prevented; and c) degradation of soil structure is minimised; and d) soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised; and e) effluent disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake; and f) the crop on the disposal area is harvested and removed from the disposal area; and g) sufficient buffer zones are maintained between effluent disposal areas and sensitive environmental receptors.
L5.	When weather conditions or soil conditions preclude the release of treated effluent to land, treated effluent must be directed to wet weather storage or be lawfully removed from the site.
Agency interest: Waste	
Condition number	**Condition**
R1.	Other than effluent released to land in accordance with conditions L1, L2, L3, L4 and L5, all waste generated in carrying out the **activity** must be reused, recycled or lawfully disposed of offsite.

Definitions

Key terms and/or phrases used in this document are defined in this section and **bolded** throughout this document. Applicants should note that where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

Activity means the environmentally relevant activities, whether resource activities or prescribed activities, to which the environmental authority relates.

Administering authority means the Department of Environment and Heritage Protection or its successor or predecessors.

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis to performance relative to the subject matter using the relevant protocols, standards, methods or literature.

Commercial place means a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

Environmental nuisance as defined under Chapter 1 of the *Environmental Protection Act 1994.*

Environmental value as defined under Chapter 1 of the *Environmental Protection Act 1994.*

Measures has the broadest interpretation and includes plant, equipment, physical objects, bunding, containment systems, monitoring, procedures, actions, directions and competency.

NATA means National Association of Testing Authorities.

Release of a contaminant into the environment means to:
- deposit, discharge, emit or disturb the contaminant
- cause or allow the contaminant to be deposited, discharged, emitted or disturbed
- fail to prevent the contaminant from being deposited, discharged emitted or disturbed
- allow the contaminant to escape
- fail to prevent the contaminant from escaping.

Sensitive place includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:
- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or
- a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 1992* or a World Heritage Area; or
- a public thoroughfare, park or gardens; or
- for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008.

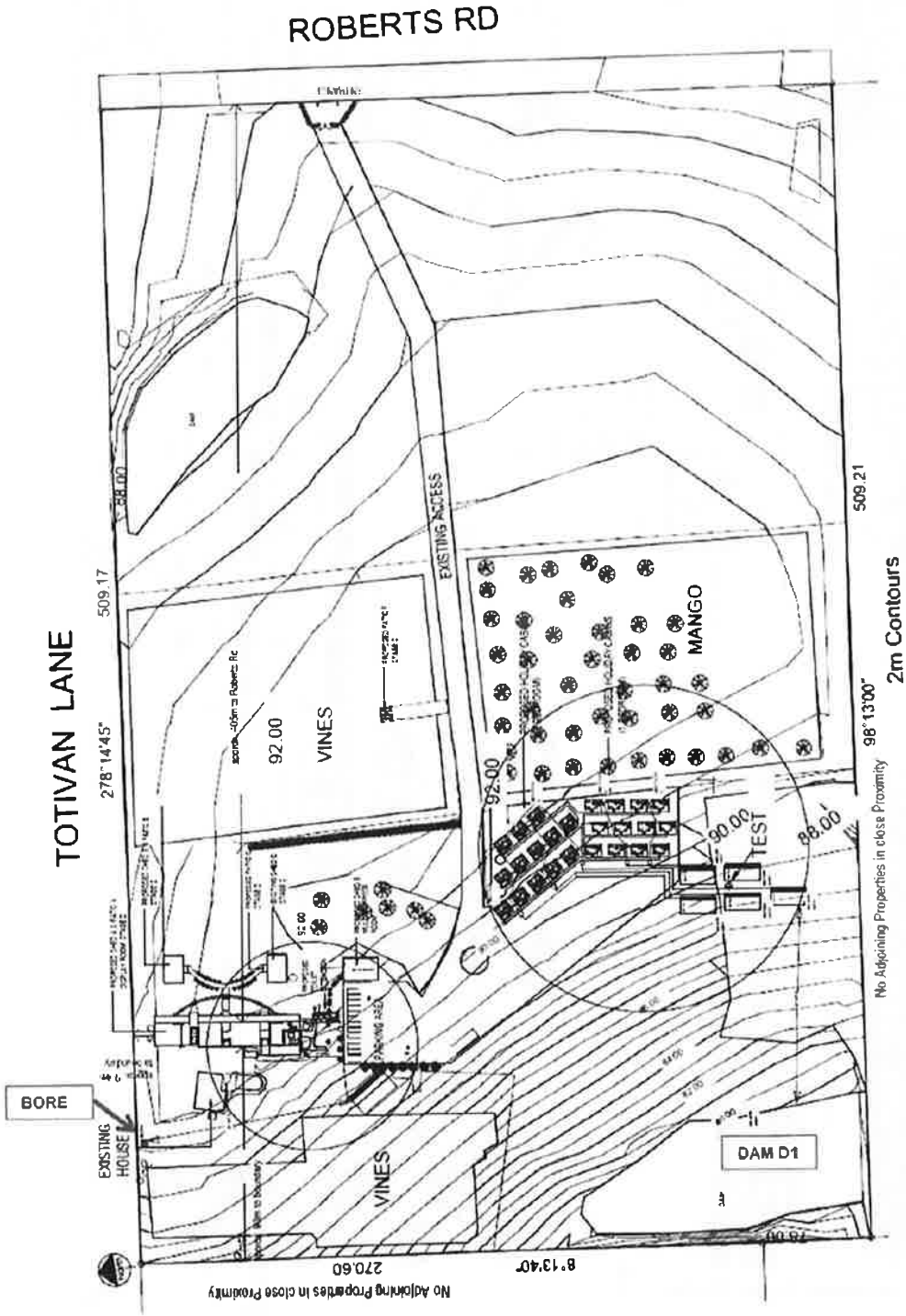
Total Nitrogen (TN) means the sum of Organic Nitrogen, Ammonia Nitrogen, Nitrite plus Nitrate Nitrogen, expressed as mg/L as Nitrogen. This includes both the inorganic and organic fraction of nitrogen.

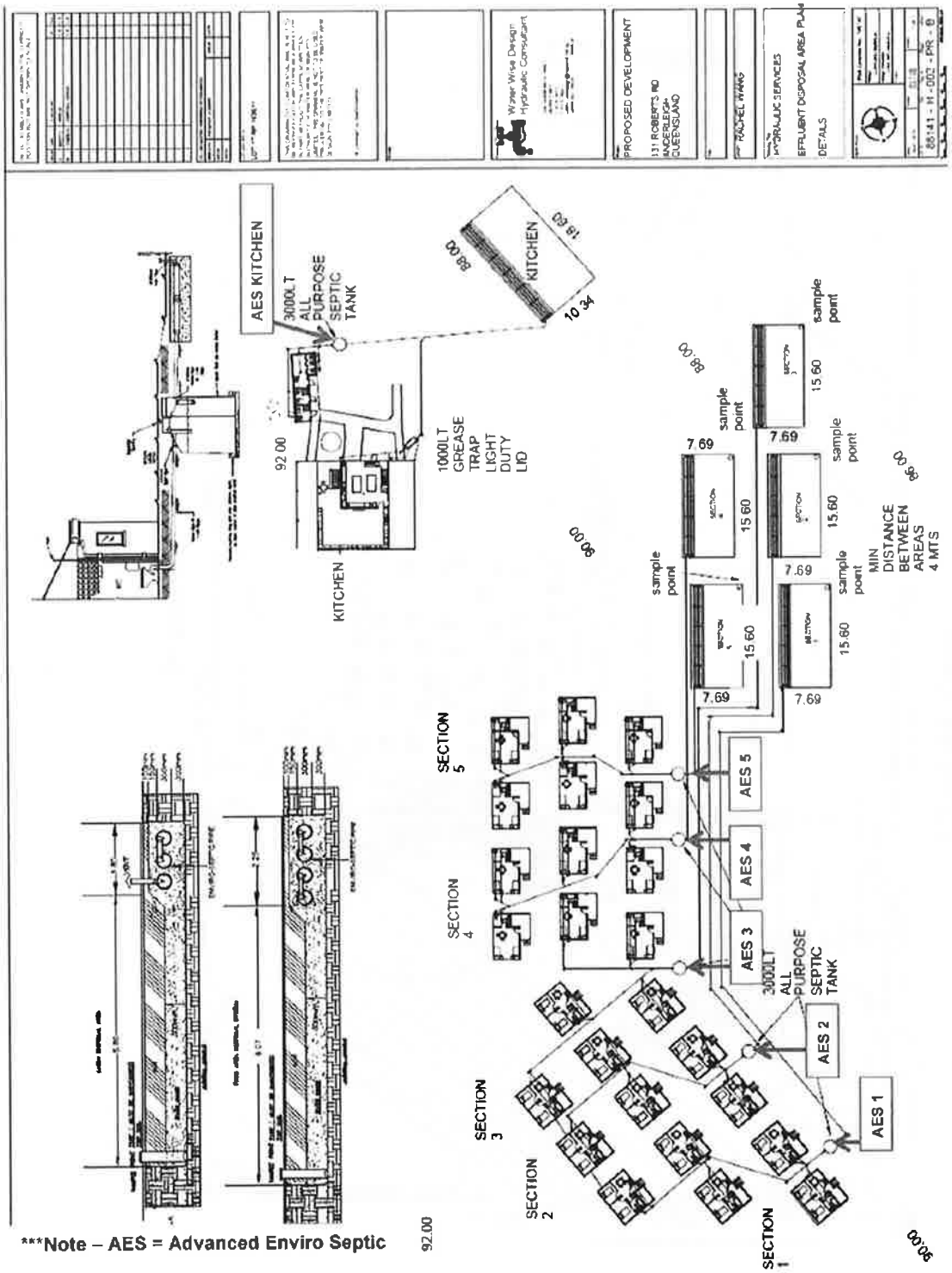
Total Phosphorus (TP) means the sum of the reactive phosphorus, acid-hydrolysable phosphorus and organic phosphorus, as mg/L of Phosphorus. This includes both the inorganic and organic fraction of phosphorus.

Waters includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water, natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part thereof.

You means the holder of the environmental authority.

Schedules
Schedule 1 - Site Plan


ROBERTS RD
TOTIVAN LANE
509.17
278°14'45"
509.21
98°13'00"
2m Contours
No Adjoining Properties in close Proximity
EXISTING ACCESS
VINES
92.00
MANGO
90.00
88.00
TEST
BORE
EXISTING HOUSE
DAM D1
270.60
8°13'40"
No Adjoining Properties in close Proximity


PROPOSED DEVELOPMENT
131 ROBERTS RD
ANDERLEIGH
QUEENSLAND
EFFLUENT DISPOSAL AREA PLAN
DETAILS
AES KITCHEN
3000LT ALL PURPOSE SEPTIC TANK
1000LT GREASE TRAP LIGHT DUTY LID
KITCHEN
sample point
15.60
7.69
MIN DISTANCE BETWEEN AREAS 4 MTS
AES 1
AES 2
AES 3
AES 4
AES 5
SECTION 1
SECTION 2
SECTION 3
SECTION 4
SECTION 5
***Note – AES = Advanced Enviro Septic

Schedule 2 – Advanced Enviro-septic Design Specifications

Sourced from Advanced Enviro-septic Design Calculator V8.1 for 131 Roberts Road Anderleigh Food Area and Cabins Area, prepared by Water Wise Design Pty Ltd on 8 August 2014.

AES No. (refer to Schedule 1)	Total EP	Number of persons	Daily design flow allowance (L/person/day)	Design Loading Rate (mm/day)	Total system load (L/day)	Min length of AES pipe rows to treat loading (m)	Number of full AES pipe length per row (lths)	Total capacity of AES system pipe in L	Minimum disposal area required (m^2)
Kitchen	9.5	64	30	10	1920	16.0	6	5088	192.0
1	6	10	120	10	1200	13.3	5	3180	120.0
2	6	10	120	10	1200	13.3	5	3180	120.0
3	6	10	120	10	1200	13.3	5	3180	120.0
4	6	10	120	10	1200	13.3	5	3180	120.0
5	6	10	120	10	1200	13.3	5	3180	120.0

END OF PERMIT