

# Miriam Vale Shire Council

## Water Supply and Sewerage Requirements

### for

## Non-Defined Water and Sewerage Areas

This document sets out the requirements for the provision of water supply and sewerage in areas that are not in the Defined Water and Sewerage Areas for Miriam Vale Shire Council.

### 1 **Scope**

- 1.1 All habitable buildings in non-defined water and sewerage areas are covered by this standard.

### 2 **Water Supply**

- 2.1 Rainwater tanks are to be provided in accordance with Appendix I. The minimum capacity to be provided is listed in the following table:-

Class of Building	Example of Building	Minimum Rain Water Storage Requirement	
		Single Storey	Multiple Storey
1a	Single detached house	22,000 litres	22,000 litres
1b,2,3,5,6,7,8,9	All other habitable buildings	The greater of 22,000 litres or 73.3 X Roof Area in square metres	

- 2.2 The design water requirements shall be 150 l/ep/d.
- 2.3 The ep density is to be based upon the design populations for particular developments listed in the Infrastructure Charges.
- 2.4 For commercial developments, water quality shall meet the Australian Drinking Water Guidelines.

### **3 Sewerage**

- 3.1 On-site treatment and disposal systems are to be designed in accordance with AS/NZ 1547, the Queensland Plumbing and Wastewater Code, and the Guidelines for the Use and Disposal of Greywater in Unsewered Areas. Where these are superseded, then the latest regulation, standard or code shall be used.
- 3.2 Soil classification and permeability tests are to be carried out by a NATA registered soil tester. Tests are to be carried out in the proposed Land Application Area.
- 3.3 An Investigation and Design Report covering the items listed in Appendix A is required for each proposal.

### **4 Installation**

The Plumbing and Drainage Regulation 2003 requires that the work be carried out and supervised by licensed personnel.

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## Appendix A – Requirements for Investigation and Design Reports for On-Site Wastewater Treatment and Disposal

### 1. Site Investigation-

- a) Options available as to site conditions in terms of systems and cost.
- b) Clients intentions to install dams, bores etc.
- c) Soil profile x 2, one at each end of the L.A.A. indicating the position of test holes.
- d) Permeability test x 1 taken in the L.A.A. indicating position of test hole.

Soil and permeability tests must be conducted by a registered soil tester. Certified copies of the soil investigation and permeability tests are to be provided

### 2. Design

- a) Calculations per AS&NZS 1547 & Qld Plumbing and Wastewater Code
- b) Name & Model of Treatment Plant
- c) Model Approval Number / Chief Executive Approval of Treatment Plant
- d) Maintenance Schedule of Treatment Plant
- e) Guidelines for use and maintenance of facility

### 3. Plans

- a) Site plan showing distances of L.A.A from boundaries, bores, buildings, dams, pools, creeks, etc
- b) Floor plan of building structure.
- c) Elevations of building structure,
- d) Detail plan and cross-section of L.A.A. and bed or trench dimensions, including construction notes, pipe spacings, materials, bunding/drains
- e) Provision for flushing if irrigated
- f) Provision of inspection ports in beds etc
- g) Size of pump if pumped discharge ie, head and flow rate
- h) Signage

### 4. Information Required

- a) 1 copy of report addressing Items 1. and 2.
- b) 3 copies of plans