



Mitiamo
PIPELINE PROJECT

FLOW RATES AND ALLOCATIONS

FLOW RATES

The Mitiamo Pipeline is designed to deliver water continuously (24 hours/day, 365 days/year), at a low flow rate. This means the pipeline is not operated at high head pressure typical of a normal electrical pump or a pressurised town water supply.

The system is designed to be used in conjunction with on-farm storage. On-farm storage can be filled during periods of less demand, providing a storage of water to draw down during peak periods.

Water needs will vary from farm to farm and of course depending on the season. It is important to set up your watering requirements to meet these demands.

A typical 22,500L tank will take several days to fill from empty if there is no draw down on the tank. The system is run continuously, so it will immediately commence refilling once tank water is drawn down. An easy way to check if your flow rate is as per your Landowner Agreement, is to perform a "Bucket Test". This involves running water from your pipeline flow into a bucket for 60 seconds and measuring how much water you have. If you multiply that amount by 1440 (ie, 60 minutes x 24 hours) this will tell you your flow rate per day.

SPRAYING

Spraying typically requires 50-80 litres per hectare for the area being sprayed, depending on the equipment used. During crop spraying, tanks will typically be drawn down more rapidly for a short period.

The on-farm storage requirement of 4 days, combined with normal tank recovery by pipeline filling, should be sufficient to also meet these short-term spraying requirements.

Landowners may need to consider installing a second tank to facilitate the storage requirement during busy spraying periods.

HOUSE AND STOCK ALLOCATIONS

The allocated daily and annual demands for properties within the Mitiamo Piped Water District are as follows:

HOUSE:

Peak Daily Demand:

7,000 litres/day

Maximum Annual Water Use Allowance:

1.73 megalitres/year (1 megalitre = 1 million litres)

The allocation of 7,000 litres per day is equivalent to the demand assumptions that have been applied in the design of other major pipeline projects of this kind.

STOCK:

Peak Daily Demand:

13.7 litres/hectare/day

Maximum Annual Water Use Allowance:

3,021 litres/hectare/year (0.003 megalitres/ha/year)

FOR ASSISTANCE:

For help with on-farm planning and management, please contact:

Agriculture Victoria Department of Jobs

Precincts and Regions

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For more information on allocations, please visit:

<https://www.g-mwater.com.au/customer-services/understanding-your-water-entitlements>