

Pump Station Rehabilitation Plan

Duxton – Removal of Diesel Pump Site at
Euston

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Introduction

Duxton Vineyards operates irrigation pumps on the NSW bank of the Murray River on Lot 2 DP 1252366. The pump station supplies irrigation water to Duxtons' extensive viticultural operation located on WLL Lease 11340.

The pump station is integral to the operation of the vineyard and the site will be used as long as viticulture remains viable on the land and permanent plantings exists, consequently, there is no indicative lifespan for the pump station.

However, if the decision is made to discontinue irrigation pumping at the site, Duxton will undertake the actions outlined in this document to ensure that the location is returned to its natural state.

Site infrastructure

The site is utilised for irrigation pumping. Infrastructure at the site consists of pump column support structure, and a concrete slab to support the engine and gearbox.

Environmental values

The rehabilitation plan will outline the steps needed to return the site to its original condition prior to the installation and operation of the pumping infrastructure.

The principle environmental value impacted at the site is visual amenity. The pumps also produce noise during operation, and this is an associated impact. Apart from these impacts there is little additional impact.

The site infrastructure is located within a riparian woodland setting. The rehabilitation plan will concentrate on the steps necessary to remove the irrigation related infrastructure.

Site access

Access to the site is restricted to on-farm access tracks internal to the Duxton vineyard and these access tracks will remain.

Works plan (demolition plan)

The pump station infrastructure is largely modular in design. The various components are often simply bolted together. This means the demolition is often simply a matter of unbolting and removing them from the site.

Appropriate plant and machinery will be used as required.

Works to remove the infrastructure at the site will include all of the following:

- ◆ Site de-energising
- ◆ Removal of all above ground infrastructure. The site components are valuable and will be removed and reused elsewhere. This includes all of the pumping infrastructure and pump control devices. The suction and valves will be removed for appropriate disposal. All of the support gantry and frame will be unbolted and removed for disposal.
- ◆ Support pylons will be cut off and/or unbolted below ground. Any excavated material will be returned to its place.
- ◆ The concrete slab will be broken up and removed from the site. The material will be taken to an appropriate facility for reprocessing.
- ◆ The site will be revegetated with locally sourced river red gums and understory.

All works will be conducted only at times of suitable weather. There will be no activity at the site during periods of wet weather.

Final landform

The final landform will be a clay topped riverbank that is uniformly the same height as the surrounding riverbank.

Access tracks will remain as they existed in the area prior to the construction of the pump station.

Erosion control

Temporary erosion control measures will be erected during demolition works. These will include the installation of silt fencing along the riverbank and a suspended silt curtain in the river.

Soil management

Over 95% of the infrastructure at the site is located above ground. As such there is no need for extensive excavation at the site. The pipes and pylons in the ground will be partially excavated and unbolted or cut off just below natural soil surface level. A cap of topsoil will then be put in place to cover the remaining portion. This approach offers the least disturbance to the bank profile and interference with tree roots.

Monitoring and maintenance

Duxton Vineyards will monitor the site to ensure that:

- ♦ seedlings planted at the site are protected and cared for until they become established.
- ♦ Weeds are controlled and not allowed to establish

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