

EDSS Project Bulletin

Beenleigh WWTP Stage 1 Aeration

Builder: Downer Utilities Australia

Contract Period: 8

Contract value: \$400,000.00

The Beenleigh Waste Water Treatment Plant located in Eagleby, approximately 35km's south of Brisbane, is the second largest of five (5) waste water treatment plants in the Logan City. In order to improve the process and efficiency of the plant, EDSS were engaged to complete an upgrade by providing new Variable Speed Drives and starters for ten existing surface aerators.

The existing inlet works control room was modified to house the new MCC that drives the VSD controlled aerators. The upgrade also included;

- Supply and installation of ten (10) 45Kw Variable Speed Drives and associated cabling
- Supply and Installation of Aerator Local Control Stations
- New 800amp Submain and associated cable tray
- Modification of existing MSB to allow for an 800Amp MCCB to feed new MCC
- Cable support structures and cable management inside the switch room and Existing switch room cable trench
- Supply & installation of a new 1600Amp Generator Changeover Switchboard

