



## CONSTRUCTION FEATURE PROJECT MANNUM & SWAN REACH LOW LIFT PUMP STATIONS

### Project Description

Due to the low level of the Murray River, the main pumps that feed Adelaide's water supply were beginning to cavitate.

The solution was to install some secondary pumps to feed a sump that would ensure adequate level for the main pumps to operate as designed. e<sub>2</sub>o was contracted to complete all electrical design, installation and commissioning of both the Swan Reach and the Mannum sites.

### Scope of Work

e<sub>2</sub>o was engaged to work with the mechanical/civil contractor to install a total solution under a design and construct contract.

After facilitating the design process and having this reviewed and approved by the client, e<sub>2</sub>o had to supply and install all electrical and controls for the

Our scope of works included:

- Design of electrical and controls;
- Manufacture of switchboards and a switch room;
- Installation of feed from new transformers;
- All field wiring to motors/devices;
- All light and power including air-conditioning;
- System commissioning;
- Provision of as built drawings;
- Provision of maintenance manuals.

### Project Achievements

Our clients on these pump stations were extremely satisfied with our performance and we received an outstanding letter of reference regarding our performance. e<sub>2</sub>o completed an accelerated programme one day prior to the critical milestone date. We were able to accommodate and integrate a number of key design changes during construction.

It was formally communicated that e<sub>2</sub>o's commitment, cooperation, quality control, attention to safety and completion of as-built documentation directly attributed to the overall successful delivery of this challenging project.



## PROJECT SPECS

<b>Status</b>	Complete
<b>Dates</b>	Sept 07 –Dec 09
<b>Location</b>	Mannum and Swan Reach SA
<b>Discipline</b>	I/E Installation / Controls / Commissioning
<b>Incidents</b>	Zero Environment and Safety