

## Agri-Quality: convert a factory into a specialist lab



Agri-Quality: Building engineering services for conversion of an existing factory into a specialist laboratory facility.

Coffey Environments was engaged to assess the existing facility for suitability as a specialist laboratory, to design laboratory services and systems for compliance with the Building Code of Australia (BCA) and to assess the building for conformance with the energy provisions of the BCA.

### Project Scope:

- town planning assessment including noise
- assess and negotiate upgrade of electricity supply to site including sub mains and feeder cables
- physical containment facilities
- autoclaving
- reverse osmosis - pure water system
- fume cupboard installation
- dangerous goods storage
- compressed air and high temperature laboratory services.

### Services provided:

- feasibility report of range of prospective lease sites and factory shells
- cost planning of engineering services
- assessment of services for reuse in new facility
- development of return brief using room data sheets to detail services for each room
- design development to client use-brief
- detail design & tender documentation
- Dangerous Goods & Laboratory Design Code assessment and compliance assessments.

Coffey Environments utilised in-house staff and regular resources to undertake this project from concept stage, design, contract documentation, tendering, contract administration and commissioning.

Contract administration and commissioning covered all laboratory services from tender assessment & recommendations to final inspection Certificate of Practical Completion and Final Acceptance.

### Technical Details

Period of contract: 2006–2007

#### Client / community benefits:

- a facility that meets international standards
- export revenue from sterilised food products
- opening of new markets for export of products.

#### Workplace health & safety requirements:

Compliance with the specific provisions of the OHS Act relating to access for maintenance and operation, and the laboratory code of OH&S.

#### Technical innovation engineering excellence:

The facility was built to US National Food and Drug Administration standards to facilitate the export of food products. It is also certified to US NFDA standard.

### Contact Details

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