

Curriculum Vitae

Name: Ronald Keith GUPPY

Address:



Telephone:



Date of Birth:



1957

Qualifications

Bachelor of Engineering (Civil) 1977
University of Queensland

Registered Professional Engineer of Queensland
(Registration Number 5119)

Employment History

2009 to present

**Project Manager, Dam Safety
Department of Environment and Resource Management
Brisbane, Queensland**

Conduct safety condition audits at dam to assess the dam safety management practices of the dam owner and their regulatory compliance.

Review dam safety aspects of proposals for construction of dams and recommend conditions for the safe construction, operation and maintenance of the dam.

Decide on acceptance of failure impact assessments for determining whether dams are referable

Prepare safety conditions for referable dams

Conduct training courses in dam safety surveillance for dam owners and operators

Act as state representative on the national committee setting the curriculum for national dam safety surveillance operator training

Departmental liaison officer for stages of Ross River Upgrade Project where subsidy of almost \$M80 was paid

Represent department on committee preparing guidelines on construction of ponds for use in aquaculture operations.

Contribute to the development of guidelines including for failure impact assessment and dam safety management for use in the regulation of dam safety.

Review and provide recommendations for the update of flood mitigation manuals

Give presentations on referable dam issues such as failure impact assessment, emergency action planning and causes of dam failure to

Investigate and report on dam safety incidents and possible remedial actions

Provide engineering advice to Dam Safety (Farm Dams) group on assessment of the population at risk for farm dams

1998 to 2009

**Principal Engineer, Dam Safety
Department of Natural Resources and Water
Brisbane, Queensland**

As per above for Project Manager, Department of Environment and Resource Management

1997 to 1998

**Senior Engineer, Dam Safety
Department of Natural Resources and Water
Mackay, Queensland**

Provide dam safety advice and oversight the regulation of referable dams throughout the northern part of Queensland

Advise dam owners on practices to be followed in the management of referable dams

Review proposals for the construction of referable dams and negotiate variations with the dam owners and/or engineering consultants so that dam safety requirements are met.

Investigate dam safety incidents and recommended remedial actions

1992 to 1997

**Engineer, Dam Safety
Department of Natural Resources and Water
Brisbane, Queensland**

Conduct comprehensive surveillance inspections of departmental dams including Fred Haigh and Wuruma Dam

Undertake dam break analyses for dams, including Ibis Dam at Irvinebank, to determine need for dam safety regulation.

Review referable dam proposals and provide recommendations regarding dam safety for the licensing of referable dams, particularly those involving mining operations and hazardous waste containment.

Prepare and deliver training courses in dam safety management to dam owners and departmental regulatory staff

1990 to 1992

**Engineer, Surface Water Assessment
Queensland Water Resources Commission
Brisbane, Queensland**

Undertake hydrologic modelling including flood studies and yield studies for dams.

Undertake hydraulic modelling of floodplain at Rosevale for assessment of flood mitigation proposals.

1989 to 1990

**Engineer, Safety and Technology Branch
Department of Mines
Cairns, Queensland**

Provide recommendations to mining inspectors on all issues concerning construction and operation dams, especially tailings dams, and water and tailings management on mine sites particularly concerning the containment of hazardous substances.

Provide recommendations on rehabilitation works necessary at abandoned mine sites

1983 to 1989

**Engineer, Central Regional
Queensland Water Resources Commission
Rockhampton, Queensland**

Design of works including pump stations, culverts, siphons, flumes and measuring weirs for use in irrigation schemes

Manage the construction and refurbishment of works, including pump stations, culverts, siphons flumes and weirs associated with irrigation schemes

Review the operational performance of the irrigation areas at Theodore.

Act as government representative on Palmgrove, Benleith and Washpool Water Boards

Supervise the construction of the water treatment plant for Theodore

Prepare preliminary designs for water supply schemes for potential Water Board Areas

Provide recommendations on waterworks licensing matters, including dam construction and tailings management

1980 to 1983

**Engineer, Groundwater Branch
Irrigation and Water Supply Commission
Brisbane, Queensland**

Model groundwater behaviour within groundwater use areas to determine the available resource and sustainable yield.

1979

Engineer, Farm Water Supplies Branch

**Irrigation and Water Supply Commission
Brisbane, Queensland**

Investigate and design farm water supply storages and irrigation schemes

1978

**Engineer, Project Planning Branch
Irrigation and Water Supply Commission
Brisbane, Queensland**

Preliminary investigation of proposals for large water supply storages and schemes