



Peter Tuft

Background and Experience

Peter has 30 years experience specialising in engineering of pipelines and fluids handling systems. An emphasis on design has been complemented by significant periods in maintenance, research and pipeline commissioning. Experience covers the engineering of pipeline systems for natural gas, oil, water and slurries. In recent years particular emphasis has been given to pipeline risk assessment.

Peter was responsible for both technical matters and design management on major pipeline projects. This involved coordination of disciplines in all design areas, plus responsibility for the mechanical design of the pipeline and facilities as well as management of commissioning. Projects in which this role has been filled include the export pipeline of the Kutubu Petroleum Development Project in Papua New Guinea, the Daly Waters to McArthur River Pipeline in the Northern Territory and the Karratha to Port Hedland pipeline in Western Australia. All of these projects involved mechanical design, civil, geotechnical, structural, instrumentation and electrical components. More recent Peter had major roles in engineering and commissioning the Eastern Gas Pipeline in Victoria/NSW and the Tasmanian Gas Pipeline.

Current focus is on providing specialist technical expertise to the pipeline industry at both a detail level (specific analyses and problem-solving) and an overview level (risk assessment, design reviews, technical audits, supervision).

Significant Achievements:

Numerous safety management studies for both routine pipeline projects and special-purpose investigations including:

- North Queensland Gas Pipeline
- Mitigation of magnetic interference with aircraft instruments at Sydney Airport pipeline crossings
- Sydney Ports expansion over existing Caltex oil pipelines
- Wickham Point pipeline for APA Group
- Increase in operating pressure of Moomba - Sydney pipeline after SCC repair
- Braemar 2 pipeline
- Brooklyn - Lara pipeline, for both design and commissioning phases
- Young - Wagga and Wagga - Culcairn pipelines for APA Group
- Potential aboveground gas storage project
- Dalby biorefinery lateral (including both steel and polyethylene pipeline sections)
- BP Newcastle wharf pipeline

- Bonaparte pipeline, NT (continuation)
- Hot oil pipelines for Cheal project, NZ
- Major construction work over existing Sydney-Newcastle oil pipeline
- Tallawarra Gas Pipeline, NSW
- GasNet pipeline network (~2000 km throughout Victoria)
- Multiple products pipelines departing from Caltex Kurnell refinery to various destinations across Botany Bay

Qualifications and Professional Affiliations

- Bachelor of Engineering (Mechanical) (Hons.) - University of New South Wales, 1975
- Master of Engineering Science - University of Sydney, 1984
- Graduate Diploma of Management (Technology Management) - APESMA/Deakin University, 1997
- Registered Professional Engineer (NPER-3)
- Standards Australia committee ME38/1 (AS 2885 Part 1)
- APIA Research & Standards committee