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A division of
G J & S E Murray Pty Ltd

INTRODUCING GEOFF MURRAY



Bachelor of Civil Engineering, Grade 3 Arbitrator,
Mediator

Member Inst Engineers, Australia

Member Inst of Arbitrators & Mediators, Australia

Over thirty years of experience across Industry groups including Infrastructure, Tunnelling, Coal, Bauxite, Aluminium, Steel, Direct Reduction (HBI), Food / across all disciplines/ with Contractors, Consultants and Government Departments and Corporations.

Capabilities:

Customise the suite of Experteyes "Safety Topic" cartoon based resources to meet individual Client requirements. Develop additional Safety Topic resources for other topics. Support the implementation of the Safety Topic resources on site by providing coaching and training.

Coach, train and develop skills in people involved in the day to day management of contracted work including the safety management aspect.

Advise Owners/ Head Contractors with direct or EPCM responsibilities on Contractor Management Systems and requirements for Safety Management Plans for Contractors.

Advise on, audit, conduct gap analyses and assist with development of procedures for the management of contractors, lifting with cranes and MEWPs.

Using experience gained from the analysis of fatal incidents:

- Provide advice to focus and strengthen Safety Management Systems
- Investigate and analyse incidents and accidents using "Tripod" methodology to ensure appropriate breadth and depth of investigation.

Implement "Behaviour Based" safety, including:

- identification of core task behaviours for operators and supervisors
- introduction of observation, feedback and reward systems.

Facilitation skills, reinforced by mediation and arbitration training, an ability to work with people at all levels of organisations and extensive construction, project execution and consulting experience underpin the above capabilities.

Experience:

1999 – Current GJ & SE MURRAY PTY LTD (Trading as “Experteyes”)

Director of “Experteyes”, a company formed to provide specialist safety, project and contractor management services. Assignments include:

- Development of Safety Topic resources in DVD format to support WorleyParsons safety initiatives across the world. Preparation and publication of accompanying “Toolkits” for EWPs, Hand Safety and Eye Safety.
- Customisation of Experteyes Safety Topic resources for use on the Exxon Mobil PNG LNG Project by CBI Clough joint venture.
- Applied Experteyes Cartoon based approach to illustrate Woodside’s “Golden Safety Rules”. Experteyes Posters and Toolbox Cards used on Project Pluto to support implementation of the “Golden Safety Rules”.
- Provision of HSE support to WorleyParsons to analyse risk around their “Top 10” and develop cartoon depictions and associated support materials to communicate key behaviours to control these risks and build awareness.
- Development of Contractor Management procedures for Aspec Engineering. Associated support and training materials were also developed.
- Provision of Contractor Management and HSE advice on a Shiploader and Wharf refurbishment project for Aspec Engineering.
- Development of a hand safety and behavioural safety program and materials to support Geotechnical Drilling activities for Santos.
- Provision of HSE Management Systems support to Thiess Pty Ltd in the areas of Contractor Management, Lifting, and Core Systems of Work (CSW) development. Cartoon depictions were completed to illustrate core behaviours for lifting with cranes, EWP and Scissor Lift operation and use of ladders. Videos, incorporating the cartoon depictions, were developed for the roll out of a behavioural programme.
- Development and facilitation of a one day Contractor Safety Management Workshop and a half day JSEA Workshop for Power Water Corporation (PWC) of the Northern Territory. The video role plays in the PWC Workshop are able to be used by Experteyes in Workshops for other Clients.

- Audited the usage of MEWPs across WorleyParsons sites, documented aspects of leading practice and implemented recommendations for improvement flowing from the audit.
- Safety assessment for Hatch Associates at Dalrymple Bay (DBCT) Expansion Project
- Behavioural support to Boart Longyear in the area of RC Drilling and Hand Safety for drillers.
- Development of Workshops in “Choosing to Work Safely” and “Defending to Reduce Risk”, which provide a context in which the personal and organisational contributions to accidents may be considered and which support behavioural safety programmes
- Assessments of the implementation of Contractor Management and Forklift Codes of practice for National Foods Limited.
- Auditing an EPCM Contractor’s Safety Management Plan for a Sugar Mill Co-Generation Project for CSR and advising CSR on Safety Management strategies during the construction phase.
- Conducting an incident investigation into the release of out of specification water for the Southern Regional Water Pipeline Alliance. Follow up audits of isolation procedures were also conducted.
- Leading an accident investigation into the death of a Tyre Fitter through Bilby Dann lawyers and advising on Client and Tyre Company shortcomings in anticipation of litigation.
- Assisting United Kilpatrick Green (UKG) with development of an EPCM Safety Management Plan.
- Assisting Mt Arthur Mine (BHPBilliton) with development of Contractor Management and Lifting Procedures and Tools, including a guide for assessing Contractor’s Safety Management Plans.
- Revising and updating Workshop materials to train front line Supervisors of Contractors for BHPBilliton. Facilitating Workshops and training trainers in Australia, South Africa, Mozambique, Chile, Brazil, Canada, China and Mongolia. Workshop materials were customised for Minerals Exploration and for BMA.
- Writer and co-ordinator of a BHPBilliton Working Group to develop a Fatal Risk Control Protocol (FRCP) for Lifting with Cranes.
- Assessment of existing systems and development of Lifting Procedures and forms for the use of front line personnel for BHPBilliton Iron Ore, BMA Coal (Gregory Mine), GEMCO (Groote) and Mount Arthur Coal. The lifting system developed is

being deployed by BHPBilliton overseas in Pakistan and Southern Africa. Assessments of compliance for the Lifting Fatal Risk Protocol were completed for Gregory Mine (BMA)

- Development of Lifting Procedures and Competency Assessment materials for Walter Wright Cranes Australia (Emerald Depot) and audits of performance.
- Definition of critical risk around drilling for BHPBilliton Minerals Exploration. A set of cartoon depictions were completed to support communication of behaviours around RC Drilling.
- Establishment of a behaviour based safety system for Transfield Construction Pty Ltd in the area of lifting with cranes.
- Developing a model for the revision of Marathon Tyre's Procedures to include task behaviours for use in training, coaching and observation.
- Auditing for BHP Billiton's Cannington Mine of the Northern Zone Expansion Project underground Contract
- Development of "first steps" training to support a Project Implementation Improvement Program for BMA Coal.
- Development of Mine Traffic Flow, Workshop and Fuel and Truck Washing facility layouts on the Cowal Gold Project for Aker Kvaerner Australia.
- Provision of Project Services for Redpath Mining (previously EROC) for Projects including a TBM tunnel at OK Tedi mine (PNG), Sewer and Bus Tunnels (Brisbane), Underground Development at Ridgeway (Orange) and Highwall Mining, (Moura) and Marketing Services for a sewer lining system.
- Provision of claims analysis and preparation for Epoca, Evans and Peck and BL&T Civil

Late 1992 - Mid 1999

BHP ENGINEERING PTY LTD

With BHP Engineering, carried out the following Project roles:

- Alliance Co ordinator, HBI Project (Port Headland)
- Project Manager, Crinum Underground Pumping Project
- Project Controls and Safety Systems Manager, Cannington Project
- Project Manager, Norwich Park Shutdown
- Project Manager, Cityrail Control Centre (Sydney)
- Contracts and Controls Manager, Dartbrook.

Conducted a comprehensive analysis of fifty Fatal Accidents which occurred World wide across BHP over a five year period. Commonly

used Safety Management Systems and models were examined against the fatality data and their adequacy and relevance assessed. Tripod methodology was used to analyse all accidents. The Key Factors commonly manifested were identified, thus providing useful insights for assessing and focussing Safety Management Systems.

Contributed to serious incident investigations and carried out serious incident analyses whilst on the HBI Project at Port Headland.

Following a series of Crane incidents on the HBI Project, facilitated an expert group to define the observable and auditable behaviours of Supervisors, Riggers and Crane Operators consistent with producing safely and efficiently. The work contributed to a marked reduction in the crane incidents being experienced.

Conducted an audit of Contractor Management across BHP Steel Divisions and revised Steel Group Standards and procedures to reflect best practice and aided with implementation of the new Standards. Guidelines to support the revised Standard were also prepared.

Was the subject matter expert for the development of a learning programme covering OH&S aspects of front line Contractor Supervision for BHP Steel. Competencies were determined and critical performances defined in terms of "what they had to do". Provided support for the programme roll out, including training of trainers. The course was awarded first prize by the Australian Institute of Training and Development and was fundamental to a significant improvement in Contractor safety performance across BHP Steel.

Summary of Other Project Experience:

Through HSM Consultants Pty Ltd provided advice on the execution of a planned expansion of the Kaolin Plant at Weipa.

During 11 years with Minenco Pty Ltd, carried out the following roles:

- Project Manager for work at Weipa
- Project Controls Manager on Tarong Coal Project, Stage 2
- Planning Engineer on Tarong Coal Project, Stage 1.

With Electric Power Transmissions Pty Ltd, was Project Manager for structural and mechanical installation contracts for the Alcan Aluminium Smelter at Kurri Kurri, NSW.

With Rees Hough Limited in England was Agent for a bolted segmental tunnel constructed in London clays.

With the Department of Main Roads, NSW was a Works Engineer in Country NSW at Glen Innes, Buladelah and Orange and an Area Engineer at Tamworth.