TREVOR BILNEY

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Western Australia

PROFESSIONAL SUMMARY

Experienced Technical Leader with 30 years of experience in Operations, Consulting and Commercial Laboratories.
Expertise in all aspects of day to day operations, capital projects and technical improvement initiatives. Managing interactions between site teams, vendors and design professionals for capital projects.
Focused on keeping projects on time and on budget using time management and prioritisation skills.
Extensive experience in Permit to Work and Confined Space management systems.

SKILLS

Metallurgy and Process Engineering
Project Coordination
Project Management
Continuous Improvement
Permit to Work and Confined Space
Business Planning
Design Review
Risk Management

EDUCATION

Queensland University of Technology
Brisbane, QLD. 2008

Graduate Certificate: Risk Management

Federation University Australia
Ballarat, VIC. 1994

Bachelor of Applied Science: Metallurgy

WORK HISTORY

OPS Process Solutions - Director and Principal Consultant
Perth, WA 05/2024 - Current

- Process Safety consulting for Major Hazard Facility
- Operational Readiness consulting for capital projects on a brownfields site
- Process Engineering support and commissioning of new water treatment plant and alternative water treatment technology
- Flowsheet design and equipment selection for Acid Leach and High Purity Silica Pilot Plants
- Client representative and Supervision of Gold Toll Treatment campaigns

BHP - Operational Readiness Superintendent
Kwinana, WA 05/2023 - 03/2024

- Lead multi disciplinary teams to implement Operational Readiness processes for Mechanical, Electrical and Asset Integrity maintenance and develop operational procedures including training personnel
- Commissioning of projects as capital works were completed
- Ramp up of Nickel Sulphate plant

BHP - Process Development Superintendent
Kwinana, WA 04/2022 - 05/2023

- Development of long term processing options for Refinery upgrade and debottlenecking projects
- Managed multiple projects while maintaining deadlines and adhering to budget constraints
- Member of Independent Peer Review teams to review other BHP asset major projects

PUBLICATIONS

Flotation performance improvement at Placer Dome Kanowna Belle gold mine
Co-author with D Alexander and S Schwarz, Jan 2005

Assessment of High Shear Stator Performance at Kanowna Belle Gold Mine
Co-author with S MacKinnon and J Kok, MetPlant Aug 2006

VOLUNTEERING

2017 – CURRENT

Bicton Junior Cricket Club
Various roles including President, Vice President, Girls Cricket Coordinator, Equipment Coordinator, Coach

2022 – 2023

Melville City Hockey Club
Team Manager, Coach

BHP - Process Engineering Superintendent
Kwinana, WA 09/2014 - 04/2022

- Provided day to day Process Engineering support to Operations and Project teams
- Nickel West Permit to Work and Confined Space subject matter expert and site control owner
- Managed site Production Improvement pipeline including execution of $30M of improvements
- Lead site Risk Management, Laboratory, Training and Process Engineering teams
- Project manager for Site Automated Analytical Laboratory Project

BHP - Operations Superintendent
Kwinana, WA 10/2009 - 05/2014

- Management of all facets of the Operation for the Leach and Reduction Areas at Kwinana Nickel Refinery
- Developed Nickel West Permit to Work and Confined Space Entry Systems
- Acting Production Manager as required

BHP - Principal Process Engineer
Kwinana, WA 08/2006 - 10/2009

- Developed process engineering solutions for complex process engineering challenges, resulting in improved process performance across all areas of the plant
- Provided technical support for plant operations, troubleshooting issues and ensuring efficient production

Bateman Engineering - Senior Process Engineer
Perth, WA 02/2006 - 08/2006

- Process Engineering support for multiple feasibility studies
- Member of 'off project review team' to facilitate independent design review for major projects

Placer Dome - Metallurgical Superintendent
Kalgoorlie, WA 05/2003 - 02/2006

- Develop solutions for complex metallurgical challenges across grinding, flotation and leach circuits
- Achieved 5% flotation recovery increase which enabled low grade ores to be processed and extended mine life
- Management of metallurgical and analytical laboratory to deliver site analysis requirements
- Established a culture of continuous improvement by implementing multiple improvement projects across flotation plant

WMC - Senior Project Metallurgist
Mt Keith, WA 05/2001 - 05/2003

- Provided Metallurgical support to multiple capital projects which were focused on delivering flotation recovery improvements
- Provide technical support to operations teams
- Conducting full plant surveys including mass balancing and results interpretation to develop improvement pipeline

JKTech - Consultant
Brisbane, QLD 11/1999 - 05/2001

- Managed JKTech commercial and JKMRC research laboratory
- Laboratory testwork management for external clients
- Grinding and Flotation consulting including site visits to client operations to complete surveys for model development

Amdel - Metallurgist
Adelaide, SA 12/1994 - 02/1999

- Completion of laboratory testwork programs in comminution, flotation and hydromet areas
- Team leader for multiple Pilot Plant studies in for comminution, flotation and hydromet projects
- Promoted to Group Leader – Comminution