

# 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 technical aspects of day to day operations, capital projects and 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 for final design stages and commissioning of new water treatment plant
- Flowsheet design and construction of 5tpd Pilot Plant

**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 Vice President, Girls Cricket Coordinator, Equipment Coordinator, Coach, Cricket Dad

### 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 execution 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
- Secondment to Production Project Superintendent during period of Parental leave
- Acting Production Manager as required

### **BHP - Principal Process Engineer**

*Kwinana, WA • 08/2008 - 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 • 02/2008 - 08/2008*

- 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 - 02/2008*

- Collaborated with cross-functional teams to develop innovative solutions for complex metallurgical challenges across grinding, flotation and leach circuits
- 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