

INTERNATIONAL CYANIDE MANAGEMENT INSTITUTE

Auditor Credentials Form

Facility Audited:

Supply Chain – Hangzhou and Hefei (China) to Balykchy (Kyrgyzstan),

Anging Shuguang Supply Sales and Transportation Co. Ltd.

Date:

19 - 29 November 2013

Auditor and Technical Specialist Credentials

Lead Auditor:

Tom Carmichael

Auditor Certification Number:

14544 (Registered as an Auditor since 1996 and as a Lead Auditor since

1998)

Certifying Organisation:

Exemplar Global (formerly RABQSA International) +61 2 4728 4600

Telephone Number: Address:

Suite 12, 308 High St, Penrith NSW 2750, Australia

Web Site Address:

www.exemplarglobal.org

The following list is representative, not exhaustive, of the audits I have undertaken. The scope of the environmental management audits generally included review of chemical storage and handling practices on the sites.

Year	Type of Facility, Type of Audit	Country & State/Province			
2013	Anhui Anqing Shuguang Chemical Co. Ltd, Lead and Technical Expert, ICMI Re-Certification Audit	China, Anging Province			
2013	Allship Logistics Limited, Lead Auditor and Technical Expert, ICMI Certification Audit Ghana				
2013	Burkina Logistics And Mining Services, Lead Auditor and Technical Expert, ICMI Recertification Audit Burkina Faso				
2012	Anqing Shuguang Trading & Logistic Co. Ltd., Lead Auditor and Technical Expert, ICMI Recertification Audit Province				
2012	Bolloré Africa Logistics Ghana, Lead Auditor and Technical Expert, ICMI Certification Audit				
2012	Bolloré Africa Logistics Sénégal, Lead Auditor and Technical Expert, ICMI Recertification Audit				
2012	Hebei Chengxin Co Ltd, Technical Expert, ICMC Certification Audit	China, Hebei Province			
2011	Cowal Gold Mine, Lead Auditor and Technical Expert, ICMC Recertification Audit	Australia, NSW			
2011	Boddington Gold Mine, Lead Auditor and Technical Expert, ICMC Certification Audit Australia, W				
2011	Tanami Gold, Technical Expert, ICMC Pre-Recertification Audit Australia, WA				
2011	KCGM, Technical Expert, ICMC Recertification Audit Australia, WA				
2011	Chemical manufacturing facility, environmental and dangerous goods management Australia, NSW				
2010	Waste management company, including landfills and waste transfer Australia, NS\				





Year	Type of Facility, Type of Audit	Country & State/Province		
	stations, environmental management			
2010	Major gold mine, environmental management	Indonesia		
2009	Major copper mine, environmental management	Zambia		
2008	Chlorine manufacturing plant No. 1, environmental management	Australia, NSW		
2008	Chlorine manufacturing plant No. 2, environmental management	Australia, NSW		
2008	6 coal testing laboratories, environmental management Australia, NSW QLD			
2008	Explosives manufacturing plant, environmental management	Australia, QLD		
2008	Cyanide manufacturing plant, environmental management	Australia, QLD		
2008	Minerals sands mining and processing facility, environmental Australia, NSW management			
2008	Chemical manufacturing plant, environmental management	Australia, NSW		
2008	Herbicide production facility, environmental management	Australia, NSW		
2008	Industrial printing plant, environmental management Australia, NSV			
2008	Timber products manufacturer, environmental management Indonesia			
2008	Oil storage facility, environmental management	Australia, NSW		
2008	Electrical products manufacturer, environmental management Australia, NS			
2008	Metal products manufacturer, environmental management Australia, NS			
2008	Chemical products manufacturer, environmental management	Malaysia		
2007	Semi-conductor manufacturers, environmental management	Philippines		
2007	Industrial printing plant, environmental management	Australia, NSW		
2007	Chemical manufacturing plant, environmental management	Australia, NSW		
2006	Gas processing facility, environmental management	Australia, NSW		
2006	Pharmaceutical manufacturer, environmental management	Australia, NSW		
2006	Freight Handling Facility, environmental management	Australia, NSW		
2006	Building products manufacturer, environmental management	Australia, NSW		
2006	Building products manufacturer (2), environmental management	Australia, NSW		
2006	Machinery assembler, environmental management Australia, NSW			
2005	Petroleum products manufacturer, environmental management Australia, NSW			
2006	Electronics manufacturer, environmental management Philippines			
2006	Electronics manufacturer (2), environmental management Philippines			
2006	Vehicle dealership, environmental management Australia, NSW			
2005	Timber products manufacturer, environmental management Australia, Tasmar			
2005	Timber products manufacturer, environmental management Australia, NSW			

Version:





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Year	Type of Facility, Type of Audit	Country & State/Province		
2001	Transport company, environmental management	Australia, NSW		
2001	Electrical / mechanical components manufacturer, environmental management Australia, NSW			
2001	Electronics service centre, environmental management	Australia, NSW		
2001	Gas heater manufacturer, environmental management	Australia, NSW		
2001	Car products wholesaler, environmental management Australia, NSW			
2001	Plastic products manufacturer, environmental management	Australia, NSW		
2001	Household appliances manufacturer, environmental management	Australia, NSW		
2001	Metal processing facility, environmental management	Australia, NSW		
2000	2 Food products manufacturing sites, environmental management	Australia, NSW		
2000	Household appliance manufacturer, environmental management	Australia, NSW		
2000	Metal products manufacturer, environmental management Australia, NSW			
2000	Resin products manufacturer, environmental management Australia, NSW			
2000	Metal cable manufacturer, environmental management Australia, NSW			
2000	Electrical equipment manufacturer, environmental management Australia, NSV			
2000	Paper carton manufacturer, environmental management Australia, NSW			
2000	Metal products manufacturer, environmental management	Australia, NSW		
2000	International Airport, environmental management	Australia, NSW		
2000	Aircraft products manufacturer, environmental management	Australia, QLD		
2000	Stone products manufacturer, environmental management	Australia, NSW		
1999	Metal products manufacturer, environmental management	Australia, NSW		
1999	Storage and workshop facility, environmental management	Australia, NSW		
1999	Metal products manufacturer, environmental management	Australia, NSW		
1999	Paper products manufacturer, environmental management	Australia, NSW		
1999	Plastic products manufacturer, environmental management	Australia, NSW		
1999	Metal products manufacturer, environmental management	Australia, NSW		
1999	Ship painting operation, environmental management Malaysia			
1999	Ship painting operation, environmental management Indonesia			
1999	Forestry products manufacturer, environmental management Australia, NSW			
1998	Metal products manufacturer, environmental management Australia, NSW			
1998	Chemical products manufacturer, environmental management Australia, NSW			
1998	2 Timber products manufacturing facilities, environmental Australia, NSW management			



Year	Type of Facility, Type of Audit	Country & State/Province			
1998	Shopping centre, environmental management	Australia, NSW			
1998	Landfill, environmental management	Australia, NSW			
1998	Major manufacturing facility, environmental management	Australia, NSW			
1998	Concrete products manufacturer, environmental management	Australia NSW			
1998	Major hospital site, environmental management	Australia, NSW			
1998	5 Major chemical manufacturing facilities, environmental management	Australia, NSW			
1998	Commercial laundry, environmental management	Australia, NSW			
1998	Scientific research facility, environmental management	Australia, NSW			
1998	Brick manufacturer, environmental management	Australia, NSW			
1998	Building products manufacturer, environmental management	Australia, NSW			
1997	Electronics manufacturer, environmental management	Indonesia			
1997	Electronics manufacturer, environmental management	Philippines			
1997	NSW Fire Brigades, environmental management Australia, N				
1997	Metal manufacturing facility, environmental management Australia, NSV				
1996	9 Sewage treatment plants, environmental management	Australia, NSW			
1996	Roads works depots and chemical storage facilities, environmental management Australia				
1995	Major Airport (parts), environmental management	Australia, NSW			
1996	2 Major construction sites, environmental management Australia, N				
1996	3 Railway rolling stock maintenance facilities, environmental management Australia, NSW				
1995	Sheep tannery, environmental management Austr				
	I				

Cyanide and Operational Related Experience

Each auditor must have at least 3 years; at least one auditor must have at least 7 years experience I have been undertaking environmental audits for over 15 years and have been registered with Exemplar Global (formerly RABQSA International) as a Lead Environmental Auditor since 1998.

Operation	Yrs	Relevant Position Titles	Types of Operations
Golder	3	Associate, Principal	Environmental audits of various mining, chemical and industrial
Associates		Environmental Scientist	manufacturing operations including ICMC Audits.
Export	2	Associate-Director,	Auditing of operating mines including a gold mine using
Finance &		Technical and	cyanide to extract gold from ore.
Insurance		Environmental Risk	-,
Corporation		Assessment	

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URS Australia Pty Ltd	10	Principal Environmental Scientist	Environmental audits and liability assessments with respect to legislative compliance, dangerous goods storage and handling, EHS, development and implementation of environmental management systems, assessment of potential liabilities associated with acquisitions and divestments, and potential site contamination for over 250 sites throughout Australia, New Zealand, Fiji, Singapore, Malaysia, Indonesia, Philippines, Japan. Facilities assessed include manufacturing operations — chemicals (organic and inorganic), explosives, cyanide, water treatment chemicals, detergents, petrochemicals, oil refining, metal products, electrical cables, white goods, electrical/electronics, timber products, paper products, concrete products and brickworks; sewage treatment plants; mines/quarries; railway infrastructure; road maintenance works depots; airports; major construction sites; wool scouring facility; forestry operations; hospitality operation; commercial laundry premises; a major hospital site; and agricultural research facilities.
Montgomery Watson Australia Pty Ltd	1.5	Environmental Manager	Environmental auditing of a range of industrial facilities including metal products manufacturers and semi-conductor manufactures.
CMPS&F Pty Ltd	5	Senior Environmental Scientist	Environmental auditing of a range of industrial facilities including sewage treatment plants and a fell monger.
Western Mining Corporation	3	Geologist	Worked on operating open cut gold mines using cyanide-in-pulp processes to extract gold from ore.

Tom is a Principal Environmental Scientist with over 20 years experience in the mining industry, environmental consulting and the finance industry.

Tom has provided consulting environmental planning, impact assessment and risk management services to various mining projects including:

- Environmental risk management reviews of gold mining operations in New South Wales and Papua New Guinea, copper mine in Zambia and three coal mines in Queensland.
- Environmental audits of cyanide and ammonium nitrate production facilities in Queensland.
- Statutory audit of compliance with consent conditions on behalf of NSW Department of Planning for a mineral sands operation in NSW.
- Preparation of erosion and sediment control plans for the construction of the Cowal Gold Mine process plant, tailings dams and water supply pipelines.
- Environmental impact assessment of Hornsby Quarry in NSW.
- Environmental impact assessment of quarries at Port Macquarie and Lauriton.
- Environmental Management Plans for quarries at Lauriton and Valla in northern NSW.
- Environmental due diligence assessment of a copper smelting and refining operation.





Statement of No Conflict

I certify that I have not audited any component of this facility for which I was responsible for design or development; nor have I within the past year been an employee of the facility, its parent company, or associated affiliates. Excluding audits, I have not derived more than 30% of my income within the past 5 years from the facility, its parent, or associated affiliates. I have not participated in more than two consecutive Cyanide Code audits of this facility. I have participated in at least 3 health, safety, and/or environmental audits in the past 7 years and am familiar with standard audit procedures as well as with the protocols developed by the International Cyanide Management Institute for implementation of the Code.

Signed,

Name

Signature

Date

Tom Carmichael

25 June 2014

MARY NISHANIAN JE# 17205

25/6/14

Use additional pages if necessary

^{*}The lead auditor's signature must be certified by notarisation or equivalent.