

**INTERNATIONAL CYANIDE MANAGEMENT INSTITUTE****Auditor Credentials Form****Facility Audited:** Gold Fields Tarkwa Gold Mine**Date:** 6 October to 10 October 2015**Lead Auditor Credentials:**

Lead Auditor: Ed Perry

Auditor Certification Number: 0004973

Certifying Organization: Institute of Environmental Management and Assessment (IEMA)

Telephone Number: +44 (0) 1522 54009

Address: St Nicholas House, 70 Newport, Lincoln, LN1 3DP, UK

Website Address: www.iema.netMinimum Experience: 3 Audits in past 7 years as Lead Auditor

Year	Type of Facility, Type of Audit Led	Country
2014	Lead Auditor for gold mining operations cyanide code re-certification audit for Gold Fields South Deep Mine, South Africa	South Africa
2014	Lead Auditor for gap analysis of Freda Rebecca Gold Mine, Zimbabwe.	Zimbabwe
2014	Lead Auditor for cyanide code transportation re-certification audit of Vehrad Transport, Ghana.	Ghana
2013	Lead Auditor for gold mining operations cyanide code re-certification audit for AngloGold Ashanti Savuka Gold Plant, South Africa	South Africa
2013	Lead Auditor for gold mining operations cyanide code re-certification audit for AngloGold Ashanti West Gold Plant, South Africa	South Africa
2013	Lead Auditor for gold mining operations cyanide code re-certification audit for AngloGold Ashanti Nologwa Gold Plant, South Africa	South Africa
2013	Lead Auditor for gold mining operations cyanide code re-certification audit for AngloGold Ashanti Kopanang Gold Plant, South Africa	South Africa
2012	Lead Auditor for cyanide production re-certification audit Sasol Polymers Cyanide Plant 1 and 2, South Africa	South Africa
2012	Lead Auditor for environmental and health and safety audit of steel producer in Nairobi, Kenya.	Kenya
2012	Lead Auditor undertaking review of EIA, EMP and site procedures against the requirements of the IFC Procedures	South Africa



ICMI CYANIDE CERTIFICATION AUDIT – AUDITOR CREDENTIALS

Year	Type of Facility, Type of Audit Led	Country
	of coal mines in South Africa.	
2011 - 2013	Project Manager and lead auditor for the rectification of environmental legislative non-compliances for an iron and steel manufacturing company in South Africa.	South Africa
2011	Lead Auditor for a due diligence audit of a white goods manufacturing company in Kwa-Zulu Natal, South Africa.	South Africa
2011	Lead Auditor for a due diligence audit of a mineral sands mining operation in Senegal.	Senegal
2010	Lead Auditor for cyanide production audit of Lučebni závody Draslovka a. sKolin facility in the Czech Republic.	Czech Republic
2010	Lead Auditor for waste audit of 40 premises, equating to 35,000 people for major UK financial organisation.	UK
2010	Lead Auditor for environmental management system audit of Burnstone Gold Mine, South Africa for Great Basin Gold Limited.	South Africa
2010	Lead Auditor for waste audit of regional hospital in London, UK.	UK

Cyanide – related Operations Experience

Each auditor must have at least 3 years; at least one auditor must have at least 7 years' experience.

Auditor	Yrs.	Relevant Position Titles	Types of Operations
Ed Perry	18	Environmental Auditor	Since 1996 Ed Perry has been an environmental consultant auditing manufacturing, waste and mining facilities. He has been involved with environmental and health and safety auditing and permitting.

Auditor	Yrs.	Relevant Position Titles	Types of Operations
Romain Girard	2014	ICMI Cyanide Code Compliance Audits: Technical Auditor	Agnico Eagle Kittilä Gold Plant, Finland
	2013	ICMI Cyanide Code Gap Analysis Audits: Technical Auditor	Gorubso Kardzhali Gold Plant, Bulgaria
	2010-2011	ICMI Cyanide code – Cyanide Management plan	Design and implementation of a cyanide management plan for the Laiva Gold Project, Finland
	2010	ICMI Cyanide Code Compliance Audits: Technical Auditor	Goldcorp Red Lake Gold Plant, Canada Goldcorp Porcupine Gold Plant, Canada
	2009	ICMI Cyanide Code Gap Analysis Audits:	Goldcorp Red Lake Gold Plant, Canada Goldcorp Porcupine Gold Plant, Canada



ICMI CYANIDE CERTIFICATION AUDIT – AUDITOR CREDENTIALS

Auditor	Yrs.	Relevant Position Titles	Types of Operations
		Technical Auditor	
	2005 - present	Snr Geotechnical Engineer – Golder Associates UK and then Golder Associates Sweden (from 2009)	Romain is a senior Geotechnical Engineer with Golder Associates in Sweden and has over 14 years' experience. Romain has been involved as engineer, designer, auditor, and reviewer at different stages of mine waste management projects (tailings dams, heap leach, waste rock dumps), from conceptual design and site selection, prefeasibility and feasibility studies, to construction management and closure, and for a wide range of commodities, including many Gold projects. Romain has also been project managing large consultancy projects for the gold mine industry in Sweden, namely the Kankberg Project internal Feasibility study (2011) for Boliden, and the Fäboliden project Definitive Feasibility Study for Lappland Goldminers (2010-2013). Romain has previously completed mine ICMI gap analysis and certification audits in Europe and Canada, and completed the cyanide training course given by ICMI in Istanbul in June 2010.
	2001-2005	Geotechnical Engineer – Knight Piesold, and Scott Wilson, UK	

Auditor	Yrs.	Relevant Position Titles	Types of Operations
Mark A. Montoya, PE, CEA (Visus Consulting Group, Inc.) Bachelor of Science – Civil Engineering Minor – Mining Engineering	25	Registered Professional Engineer (Civil); Certified Environmental Auditor; Mining, Environmental, and Engineering Consult	Mr. Montoya has 30 years of diverse experience in design and development of natural resource, industrial, public works and commercial projects, with 25 years of experience within the mining industry. His experience in the mining industry includes working directly for mining companies and consulting to those companies predominately performing engineering, environmental and regulatory permitting functions, operation, reclamation and closure planning, feasibility studies, infrastructure siting and design, and project management. He has worked for four producing mining companies at four separate operating mines, in addition to working as a consultant. Approximately 80 percent of his mining experience comprises gold projects using cyanidation techniques.




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



ICMI CYANIDE CERTIFICATION AUDIT – AUDITOR CREDENTIALS

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
Lead Auditor*	Ed Perry		23 December 2014
Gold Mine Technical Expert Auditor	Romain Girard		23 December 2014
Gold Mine Technical Expert Auditor	Mark Montoya		18 May 2015

*The lead auditor's signature must be certified by notarization or equivalent.