



INTERNATIONAL CYANIDE MANAGEMENT CODE

Auditor Credentials Form

Facility Audited: Tarkwa Gold Plant, Ghana

Date: 27 August 2018 and 30 August 2018

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.net

Minimum Experience: 3 Audits in past 7 years as Lead Auditor

Year	Type of Facility, Type of Audit Led	Country
2018	Lead Auditor for gold mining operations cyanide re-certification audit for Gold Fields Ghana Ltd, Tarkwa Gold Mine.	Ghana
2018	Lead Auditor gold mining operations cyanide code gap audit for Asanko Gold Inc. Asanko Gold Mine	Ghana
2018	Lead Auditor for cyanide transport operations recertification audit for Golden Coach Limited	Tanzania
2018	Lead Auditor for cyanide transport operations recertification audit for Freight Forwarders Kenya	Kenya
2018	Lead Auditor for cyanide transport operations recertification audit for Freight Forwarders Tanzania	Tanzania
2017	Lead Auditor for gold mining operations cyanide re-certification audit for Harmony Gold Mining, Central Gold Mine	South Africa
2017	Lead Auditor for gold mining operations cyanide re-certification audit for Harmony Gold Mining, Doornkop Gold Plant	South Africa
2017	Lead Auditor for gold mining operations cyanide re-certification audit for Harmony Gold Mining, Kusasalethu Gold Mine	South Africa

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2017	Lead Auditor for gold mining operations cyanide re-certification audit for Harmony Gold Mining, No.1 Plant	South Africa
2017	Lead Auditor for gold mining operations cyanide re-certification audit for Harmony Gold Mining, Target Gold Mine	South Africa
2016	Lead Auditor for cyanide code gap analysis for Newmont, Ahafo Gold Mine	Ghana
2016	Lead Auditor for gold mining operations cyanide re-certification audit for Evander Gold Mine	South Africa
2015	Lead Auditor for gold mining operations cyanide re-certification audit for AngloGold Ashanti Sadiola Gold Mine	Mali
2015	Lead Auditor for gold mining operations cyanide re-certification audit for AngloGold Ashanti Yatela Gold Mine	Mali
2014	Lead Auditor for gold mining operations cyanide re-certification audit for Goldfields Tarkwa Gold Mine	Ghana
2014	Lead Auditor for gold mining operations cyanide re-certification audit for Goldfields Damang Gold Mine	Ghana
2014	Lead Auditor for gold mining operations cyanide re-certification audit for Goldfields South Deep Gold 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 Mponeng Gold Plant, South Africa	South Africa
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 Norigwa 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 of coal mines in South Africa.	South Africa

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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. s. Kolin 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	20+	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
Marie Schlechter	2018	ICMI Cyanide Code Recertification Audits: Technical Auditor	Gold Fields, South Deep Gold Mine, South Africa Newmont, Ahafo Gold Mine, Ghana Gold Fields, Tarkwa Gold Mine, Ghana
	2018	Cyanide Code Gap Audit, Technical Auditor	Harmony Gold Mining Company, Joel Gold Mine, South Africa Gold Fields, Tarkwa Gold Mine, Ghana Asanko Gold Mine, Ghana
	2017	ICMI Cyanide Code Recertification Audits: Technical Auditor	Harmony Gold Mining Company, Target Gold Mine; Harmony Gold Mining Company, No.1 Gold Plant; Harmony Gold Mining Company, Kusasaletu Gold Mine; Harmony Gold Mining Company, Doornkop Gold Mine; and

ICMC CYANIDE CODE RECERTIFICATION AUDIT – AUDITOR CREDENTIALS





Auditor	Yrs.	Relevant Position Titles	Types of Operations
			Harmony Gold Mining Company, Central Gold Mine.
	2016	Cyanide Code Gap Audit, Technical Auditor	Newmont, Ahafo Gold Mine, Ghana
	2016	ICMI Cyanide Code Recertification Audits: Technical Auditor	Evander Gold Mine, South Africa
	2015	ICMI Cyanide Code Recertification Audits: Technical Auditor	AngloGold Ashanti Sadiola Gold Mine, Mali AngloGold Ashanti Yatela Gold Mine, Mali
	2014	ICMI Cyanide Code Recertification Audits: Technical Auditor	Goldfields South Deep Gold Mine, South Africa
	2013	ICMI Cyanide Code Recertification Audits: Technical Auditor	AngloGold Ashanti Kopanang Gold Plant, South Africa AngloGold Ashanti Noligwa Gold Plant, South Africa AngloGold Ashanti West Gold Plant, South Africa AngloGold Ashanti Savuka Gold Plant, South Africa AngloGold Ashanti Mponeng Gold Plant, South Africa
	2011 - present	Snr Environmental Scientist – Golder Associates	Marie has worked in the gold mining industry since 2000 and gained extensive experience in the management of the industry specific risks associated with the processes and associate infrastructure on gold mines and specifically the cyanidation facilities and associated aspects.
	2006 - 2011	Snr Environmental Coordinator – AngloGold Ashanti	



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
Lead Auditor*	Ed Perry		21 February 2019
Gold Mine Technical Expert Auditor	Marie Schlechter		21 February 2019

Use additional pages if necessary

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

Certified a true copy of the original

 25/02/2019
 Tracy Skinner
 Commissioner of Oaths
 Ex-Officio Professional GISc Practitioner (PGP 1356)
 Magwa Crescent West, Waterfall City
 Midrand