

Technical Memorandum



To: International Cyanide Management Institute
From: SLR Consulting (Africa) Proprietary Limited
Project No. 722.000001.00001 **Date:** 14 February 2024
RE: International Cyanide Management Code Auditor Credentials Form

Facility Audited: Chirano Gold Plant
Date of Audit: 9 July 2023 to 13 July 2023

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

Cyanide Related Operations Experience

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

Lead Auditor	Yrs.	Relevant Position Titles	Types of Operations
Ed Perry	25+	Environmental Auditor	Ed Perry has been an environmental consultant auditing manufacturing, waste, and mining facilities since 1996.

Year	Type of Facility, Type of Audit Led	Country
2023	Lead Auditor for gold mining operations cyanide gap audit for Bibiani Gold Mine	Ghana
2023	Lead Auditor for gold mining operations cyanide re-certification audit for Chirano Gold Mine	Ghana



SLR Consulting (Africa) Proprietary Limited
Registered Address: Suite 1 - Building D, Monte Circle, 178 Montecasino Boulevard, Fourways, Johannesburg, Gauteng, 2191

Postal Address: PO Box 1596, Cramerview, 2060, South Africa

Reg. No: 1998/005179/07

Vat No: 4300145887

Directors: R Hounsome, N Penhall, S Wetton, F Sutherland

Johannesburg Office:
Suite 1 - Building D, Monte Circle, 178 Montecasino Boulevard, Fourways, Johannesburg, Gauteng, 2191

Postal Address: PO Box 1596, Cramerview, 2060, South Africa

Tel: +27 11 487 0945

Cape Town Office: 5th Floor, Letterstedt House, Newlands on Main, Cnr Main and Campground Roads, Newlands, Cape Town, Western Cape, 7700

Tel: +27 21 481 1118

Durban Office: Unit 14, Braehead Office Park, 1 Old Main Road, Kloof, Durban, KwaZulu-Natal, 3640

Tel: +27 11 487 0945



2022	Lead Auditor for gold mining operations cyanide re-certification audit for Iduapriem Gold Mine	Ghana
2021	Lead Auditor for gold mining operations cyanide gap audit for Iduapriem Gold Mine	Ghana
2021	Lead Auditor for cyanide production operations re-certification audit for Orica Ghana Ltd.	Ghana
2021	Lead Auditor for gold mining operations cyanide re-certification audit for Buzwagi Gold Mine	Tanzania
2020	Lead Auditor for gold mining operations cyanide re-certification audit for Asanko Gold Mine	Ghana
2020	Lead Auditor for cyanide production operations gap audit for Orica Ghana Ltd.	Ghana
2019	Lead Auditor for gold mining operations cyanide re-certification audit for Barrick Gold Corp., North Mara Gold Mine	Tanzania
2018	Lead Auditor for gold mining operations cyanide re-certification audit for Acacia Mining Plc., Bulyanhulu Gold Mine	Tanzania
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 Gold Fields Ghana Ltd, Damang Gold Mine.	Ghana
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
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

Mine Technical Auditor	Yrs.	Relevant Position Titles	Types of Operations
Dawie Viljoen	43	Mine Technical Auditor	Dawie is a pre-certified technical auditor for mining and production facilities.


Auditor	Yrs.	Relevant Position Titles	Types of Operations
Dawie Viljoen *Mining Auditor *Cyanide Production Auditor	43	2023	ICMI Cyanide Code Compliance Audits : Technical Auditor - AngloGold Ashanti Siguiri Gold Mine Harmony Mponeng Gold Mine Harmony Savuka Gold Mine
		2022	ICMI Cyanide Code Compliance Audit Mining Auditor : Wassa Golden Star Gold Mine
		2021	ICMI Cyanide Code Compliance Audits : Technical Auditor *Harmony Central Gold Plant
		2020	ICMI Cyanide Code Compliance Audits : Technical Auditor *Harmony Noligwa Gold Mine



		2019	<p>*Harmony Target Gold Plant *Harmony No 1 Gold Plant *Harmony Kusasaletu Gold Plant</p> <p>ICMI Cyanide Code Compliance Audits : Technical Auditor</p> <p>*AngloGold Ashanti Iduapriem Gold Mine *AngloGold Ashanti Sadiola Gold Mine *AngloGold Ashanti Siguiri Gold Mine *AngloGold Ashanti Geita Gold Mine *Golden Star Wassa Gold Mine *Ma'aden Mahd Gold Mine</p>
		2018	<p>ICMI Cyanide Code Compliance Audits : Technical Auditor</p> <p>*Newmont Akyem Gold Mine * Sasol SA Cyanide 1 & 2 (Cyanide Production)</p>
		2017	<p>ICMI Cyanide Code Compliance Audits : Technical Auditor</p> <p>*AngloGold Ashanti Nologwa Gold Plant *AngloGold Ashanti West Gold Plant *AngloGold Ashanti Kopanang Gold Plant *AngloGold Ashanti Mponeng Gold Plant *AngloGold Ashanti Savuka Gold Plant *Acacia Buzwagi Gold Mine</p>
		2016	<p>ICMI Cyanide Code Compliance Audits : Technical Auditor</p> <p>*AngloGold Ashanti Geita Gold Mine *Acacia North Mara Gold Mine *Harmony Joel Gold Mine</p>
		2015	<p>ICMI Cyanide Code Compliance Audits : Technical Auditor</p> <p>*AngloGold Ashanti Iduapriem Gold Mine *Acacia Bulyanhulu Gold Mine * Ma'aden Gold and Base Metals Bulgah Gold Mine</p>
		2014	<p>ICMI Cyanide Code Compliance Audits : Technical Auditor</p> <p>*Newmont Ahafo Gold Mine *Ma'aden (MGBM)Al Amar Gold Mine *Newmont Akyem Gold Mine</p>
		2013	<p>ICMI Cyanide Code Compliance Audits: Technical Auditor</p> <p>*AngloGold Ashanti Obuasi Gold Mine *Harmony Doornkop Gold Mine, Central Gold Plant, Saaiplaas Gold Plant, Target Gold Mine, One Plant, Kusasaletu Gold Mine, Evander Gold Mine, Joel Gold Mine *AngloGold Ashanti Navachab Gold Mine *African Barrick Gold Buzwagi Gold Mine *AngloGold Ashanti Siguiri Gold Mine</p>
		2012	<p>ICMI Cyanide Code Compliance Audits: Technical Auditor</p>



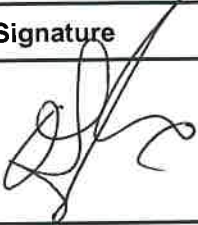
		2011	<p>*AngloGold Ashanti Sadiola Gold Mine * AngloGold Ashanti Yatela Gold Mine *African Barrick Gold Bulyanhulu Mine *Gold Fields Driefontein (KDC) Gold Mine *Gold Fields St Ives Gold Mine *Gold Fields Agnew Gold Mine *African Gold Barrick North Mara Gold Mine</p> <p>ICMI Cyanide Code Compliance Audits : Technical Auditor</p> <p>*Newmont Ghana Ahafo Gold Mine *Gold Fields Ghana Tarkwa Gold Mine *Gold Fields Ghana Damang Gold Mine *African Barrick Tulawaka Gold Mine *Gold Fields South Deep Gold Mine *Gold Fields Beatrix Gold Mine</p>
		2010	<p>ICMI Cyanide Code Compliance Audits: Technical Auditor</p> <p>*Harmony Elandsrand Gold Plant, No 1 Gold Plant, Target Gold Plant, Central Gold Plant, Saaiplaas Gold Plant, Evander-Kinross Gold Plant, Doornkop Gold Plant *AngloGold Ashanti Kopanang Gold Plant *AngloGold Ashanti East Gold Acid and Float (EGAF) Gold Plant *AngloGold Ashanti Mponeng Gold Plant *AngloGold Ashanti Savuka Gold Plant *AngloGold Ashanti Noligwa Gold Plant * Newmont Ghana Ahafo Gold Mine</p>
		2000 to 2021	Managing Member Afritech Technical and Management services
		1997 - 2000	Manager: AngloGold Ashanti Metallurgical Technical Services
		1995 - 1997	Metallurgical Manager: Vaal Reefs Exploration and Mining Company
		1990 - 1995	Project Metallurgist: Vaal Reefs Exploration and Mining Company Projects
		1987 – 1990	Plant Manager: Vaal Reef Exploration and Mining Company
		1980- 1985	Production Superintendent Anglo American
		1977 - 1980	Snr Plant Metallurgist – Anglo American

Signed	Name	Signature	Date
Mine Technical Auditor	Dawie Viljoen		14 February 2024



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		14 February 2024

