



ICMI Auditor Credential Form



# ***INTERNATIONAL CYANIDE MANAGEMENT INSTITUTE***

## ***Auditor Credentials Form***

### ***For The International Cyanide Management Code***

[www.cyanidecode.org](http://www.cyanidecode.org)

The International Cyanide Management Code (hereinafter "the Code"), this document, and other documents or information sources referenced at [www.cyanidecode.org](http://www.cyanidecode.org) are believed to be reliable and were prepared in good faith from information reasonably available to the drafters. However, no guarantee is made as to the accuracy or completeness of any of these other documents or information sources. No guarantee is made in connection with the application of the Code, the additional documents available or the referenced materials to prevent hazards, accidents, incidents, or injury to employees and/or members of the public at any specific site where gold is extracted from ore by the cyanidation process. Compliance with this Code is not intended to and does not replace, contravene or otherwise alter the requirements of any specific national, state or local governmental statutes, laws, regulations, ordinances, or other requirements regarding the matters included herein. Compliance with this Code is entirely voluntary and is neither intended nor does it create, establish, or recognize any legally enforceable obligations or rights on the part of its signatories, supporters or any other parties.



# INTERNATIONAL CYANIDE MANAGEMENT INSTITUTE

## Auditor Credential Form

**Audit: Goldcorp - Mina Cerro Negro Santa Cruz – Argentina**

**Audit Dates: June 23-27, 2016**

**Auditing Firm: Management System Solutions, Inc. [www.mss-team.com](http://www.mss-team.com)**

### Lead Auditor and Technical Expert Credentials

Lead Auditor: Pamela J. Stella, P.G., CEA

Auditor Certification Number: 9754

Email: [pstella@mss-team.com](mailto:pstella@mss-team.com)

Telephone Number.: (847) 724-6631

Certifying Organization: National Registry of Environmental Professionals (NREP)

Web Site Address: [www.nrep.org](http://www.nrep.org)

Address: PO Box 2099, Glenview, IL 60025

Minimum experience: 3 audits in past 7 years as Lead Auditor

Year	Type of Facility, Type of Audit Led	Country & State/Province
2015	Goldcorp Inc., Los Filos, a heap leach gold facility. Provided technical guidance for an internal gap analysis for compliance with the ICMC.	Mexico
2010	Barrick Gold Corporation Goldstrike Mine, gold milling and tailings facilities. Lead Auditor for the verification audit for compliance with the ICMC. Audit followed the ICMI verification protocols for Gold Mining Operations.	Nevada, USA
	Newmont Mining Corporation Twin Creeks Mine, gold milling and tailings and heap leach gold facilities. Lead Auditor for the verification audit for compliance with the ICMC. Audit followed the ICMI verification protocols for Gold Mining Operations.	Nevada, USA
	Newmont Mining Corporation Lone Tree Mine, a heap leach gold facility. Lead Auditor for the certification audit for compliance with the ICMC. Audit followed the ICMI verification protocols for Gold Mining Operations.	Nevada, USA
	Goldcorp Inc. Los Filos Mine, a heap leach gold facility. Lead Auditor for initial certification audit for compliance with the ICMC.	Mexico
	Confidential gold milling and tailings facility. Lead Auditor for Gap analysis audit for compliance with the ICMC. Audit followed ICMI	Mexico



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Year	Type of Facility, Type of Audit Led	Country & State/Province
	verification protocol and included development of detailed audit report and action plan.	
	Goldcorp Inc. Musselwhite Mine, a gold milling and tailings facility. Lead Auditor for the certification audit for compliance with the ICMC. Audit followed the ICMI verification protocols for Gold Mining Operations.	Ontario, Canada
	Goldcorp Inc. Marigold Mine, a heap leach gold facility. Lead Auditor for the recertification audit for compliance with the ICMC. Audit followed the ICMI verification protocols for Gold Mining Operations.	Nevada, USA
	Goldcorp Inc. Marlin Mine, a gold milling and tailings facility. Lead Auditor for the verification audit for compliance with the ICMC. Audit followed the ICMI verification protocols for Gold Mining Operations.	Guatemala
2009	Confidential gold mine and milling facility. Lead Auditor for Gap analysis audit for compliance with the ICMC. Audit followed ICMI verification protocol and included development of detailed audit report and action plan.	Argentina
	Newmont Mining Corporation Carlin Mine, a gold milling and tailings facility and heap leach operations. Lead Auditor for the verification audit for compliance with the ICMC. Audit followed the ICMI verification protocols for Gold Mining Operations.	Nevada, USA
	Confidential gold heap leach facility. Lead Auditor for Gap analysis audit for compliance with the ICMC. Audit followed ICMI verification protocol and included development of detailed audit report and action plan.	Mexico
	Newmont Mining Corporation Phoenix Mine. Lead Auditor for the verification audit for compliance with the ICMC. Audit followed the ICMI verification protocols for Gold Mining Operations.	Nevada, USA
	Goldcorp Inc. El Sauzal Mine, a gold milling and tailings facility. Lead Auditor for the verification audit for compliance with the ICMC. Audit followed the ICMI verification protocols for Gold Mining Operations.	Los Mochis, Mexico
2008	Newmont Mining Corporation Minera Yanacocha Mine, heap leach gold facilities. Technical Mining Expert Auditor for the verification audit for compliance with the ICMC. Audit followed the ICMI verification protocols for Gold Mining Operations.	Cajamarca, Peru
	Pogo Gold Mine, a gold milling and tailings facility. Lead auditor for third-party compliance audit of the gold mines and CIL beneficiation involving cyanidation and cyanide destruction process. Results of the audit were to assist in determining if the Environmental Management Systems of the company and the regulatory controls applicable to the mine provide reasonable assurance that environmental objectives are being met and that they systems and controls are functioning as intended. The audit was a 5-year environmental compliance audit required by the agencies.	Alaska



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	Confidential gold mill tailings facility. Technical Mining Expert Auditor for Gap analysis and verification audit for compliance with the ICMC. Audit followed ICMI verification protocol and included development of detailed audit report and action plan.	Ontario, Canada
	Confidential gold mill tailings facility. Technical Mining Expert Auditor for Gap analysis and verification audit for compliance with the ICMC. Audit followed ICMI verification protocol and included development of detailed audit report and action plan.	Ontario, Canada
	Confidential gold mill tailings facility. Technical Mining Expert Auditor for Gap analysis and verification audit for compliance with the ICMC. Audit followed ICMI verification protocol and included development of detailed audit report and action plan.	Ontario, Canada
2007	Barrick Gold Corporation Ruby Hill Mine, a heap leach gold operation. Technical Mining Expert Auditor for the verification audit for compliance with the ICMC. Audit followed the ICMI verification protocols for Gold Mining Operations.	Nevada, USA
	Newmont Mining Corporation Lone Tree Mine. Technical Mining Expert Auditor for the verification audit for compliance with the ICMC. Audit followed the ICMI verification protocols for Gold Mining Operations.	Nevada, USA
2007	Barrick Gold Corporation Goldstrike Mine, gold milling and tailings facilities. Technical Mining Expert Auditor for the verification audit for compliance with the ICMC. Audit followed the ICMI verification protocols for Gold Mining Operations.	Nevada, USA
	Confidential gold mill tailings facility. Technical Mining Expert Auditor for Gap analysis and verification audit for compliance with the ICMC. Audit followed ICMI verification protocol and included development of detailed audit report and action plan.	Guatemala
	Technical Mining Expert Auditor for Gap analysis and verification audit for compliance with the ICMC. Audit followed ICMI verification protocol and included development of detailed audit report and action plan.	Chile
2006	Marigold Gold Mine. Technical Mining Expert Auditor for the verification audit for compliance with the ICMC. Audit followed the ICMI verification protocols for Gold Mining Operations.	Nevada, USA
	Confidential gold cyanide heap leach facility and two tailing storage facilities – Auditor for corporate environmental audits.	Mexico, Guatemala, Honduras
2006	Confidential gold cyanide heap leach facility – Technical Expert for gap analysis and verification audit for compliance with the ICMC. Audit followed ICMI verification protocol and included development of detailed audit report and action plan.	Nevada, USA
2005	Barrick Gold Corporation La Pierina Gold Mine. Lead Auditor for Cyanide Pre-verification compliance audit for the International Cyanide Management Code of a gold cyanide heap leach facility. The audit followed the Code’s principles and practices. Daily meetings were held with the key mine management staff to discuss the audit findings and	Peru



Year	Type of Facility, Type of Audit Led	Country & State/Province
	information requests. Technical Auditor for handling, storage, operations, safety, emergency response, training and public consultation.	
2004	Barrick Gold Corporation Gold Strike Mine. Lead Auditor for Cyanide Pre-verification compliance audit for the International Cyanide Management Code of a gold cyanide heap leach facility. The audit followed the Code's principles and practices. Daily meetings were held with the key mine management staff to discuss the audit findings and information requests. Technical Auditor for handling, storage, operations, safety, emergency response, training and public consultation.	Nevada

**Cyanide-related Operations Experience**

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

Auditor	Yrs.	Relevant Position Titles	Types of Operations
Pamela J. Stella, Certified Environmental Auditor, Professional Geologist, M.Sc. in Geology	30	Senior Mining Environmental Consultant	Since 1989, Ms. Stella has provided environmental services to gold mine operations worldwide. She was Manager, Environmental Affairs Corporate for Kinross Gold from 2010-2015 and started conducting ICMC certification audits for Management System Solutions, Inc. in 2016. Prior to this, she was the National Mining Environmental Coordinator for Golder Associates Inc. and spent approximately 90% of her time providing the following services to gold operations: compliance auditing, mine permitting, ground and surface water management, development of environmental management plans, contingency plans and health and safety plans, project manager for bankable environmental baseline studies and environmental impact assessments for gold mining operations (exploration through closure) to local regulations, international best practices and World Bank guidelines. Her former career as a registered nurse allows her to fully evaluate health and safety issues. Her technical background is in geology and water resources.



**Auditor Credentials Form**

**Production and Transportation Technical Expert Information for:**

**Bruno Pizzorni - Professional IRCA Certified Safety & Health Auditor**

**IRCA Web-Site (www.irca.org): IRCA Certification Number: 01198671**

**ICMI Auditor Credentials  
Auditing Experience**

Date	Type of Operation, and Type of Audit	Location
2015	Transport & Production, ICMC Certification Audit	Hermosillo, Mexico
2014	Gold mine, ICMC Re-Certification Audit	Chihuahua, México
2014	Gold mine, ICMC Re-Certification Audit	Cajamarca, Perú
2014	Gold mine, ICMC Certification Audit	Chihuahua, México
2013	Gold mine, ICMC Certification Audit	San Luis Potosí, Mexico
2013	Gold mine, ICMC Re-Certification Audit	La Libertad, Peru
2013	ICMC Compliance Consulting / Auditing, QHSE Integrated Management System Audit	Lima, Peru
2013	HSE Regulatory & Environmental Impact Assessment Audit	Lambayeque, Peru
2013	Gold mine, ICMC Re-Certification Audit	Ancash, Peru
2013	Gold mine, ICMC Gap Audit	Cajamarca, Peru
2012	Gold mine, ICMC Gap Audit	Sonora, México
2011	Gold mine, ICMC Certification Audit	Santa Cruz, Argentina
2011	Gold mine, ICMC Re-Certification Audit	Chihuahua, Mexico
2011	Gold mine, ICMC Certification Audit	Zacatecas, Mexico
2011	Gold mine, ICMC Gap Audit	San Luis Potosí, Mexico
2011	Production, ICMC Re-Certification Audit	Lima, Peru
2011	ICMC Compliance Consulting / Auditing, QHSE Integrated Management System Audit	Lima, Peru
2011	HSE Regulatory & Environmental Impact Assessment Audit	Proyecto Olmos, Lambayeque, Peru
2011	ICMC Compliance Consulting / Auditing, QHSE Integrated Management System Audit	Lima, Peru
2010	ICMC Compliance Consulting / Auditing, QHSE Integrated Management System Audit	Lima, Peru
2009	Irrigation Construction Project, HSE Regulations & EIA Audit	Lambayeque, Peru
2008	Irrigation Construction Project, HSE Regulations & EIA Audit	Lambayeque, Peru



**Related Work Experience**

<b>Auditor</b>	<b>Years</b>	<b>Relevant Position Titles</b>	<b>Types of Operations</b>
Bruno Pizzorni	2015-Present	ICMC Consultant and Lead Auditor	Cyanide Code Certification Audits - Gold Mining, Transportation, Cyanide Warehouse, Cyanide Producer, and Cyanide Supply Chain
Bruno Pizzorni	2004-2014	HSE Specialist and Engineer / ICMC Consultant, Lead Auditor	Production / Manufacturing: safety, water balance, pond management, environmental impact assessments, hazardous waste, air, and water compliance management; Transportation: Trucking refueling terminal operations – HSE management; ICMC Compliance Auditing
Bruno Pizzorni	2003	Industrial Business Advisor - ExxonMobil	Chemical Processing – Environmental Management with transportation-related HSE responsibilities.
Bruno Pizzorni	1999 - 2000	Industrial Business Advisor - ExxonMobil	Chemical Processing and Transportation of fuels and hazardous materials from terminals to mining operations. Coordination of convoys of liquid bulk hazardous materials transport to mines – HSE compliance management and waste management responsibilities.
Bruno Pizzorni	1994 - 1998	Civil Engineer/ Industrial Business Advisor - ExxonMobil	Chemical Processing and Transportation of fuels and hazardous materials from terminals to service stations. Transportation facilities include supervising loading and unloading operations for tankers and trucks.



**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 ICMI 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.

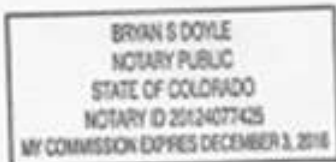
Signed,	Name	Signature	Date
Lead Auditor*	Pamela Stella		8/30/16

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

This statement was signed by Pamela Stella before me. She has produced her Colorado driver's license as identification.

	<u>08/30/2016</u>
NOTARY PUBLIC	DATE

(SEAL) My commission expires: 12/03/2016



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[www.mss-team.com](http://www.mss-team.com)