

Auditor Credentials Form

Facility Audited Barrick Gold Corporation Lagunas Norte Date: 24- 27 April 2017

Lead Auditor Credentials

Lead Auditor: Juan Carlos Rangel Lopez Auditor Certification Number: 057

Certifying Organization:

Name: Colegio de Ingenieros Ambientales de México (CINAM) Telephone: +5255 52769949

Address: Córdoba 128 Interior 302, Colonia Roma, Mexico D. F. C.P.06700 Mexico.

Web Site Address: www.cinam.org.mx;



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

Year	Type of Facility, Type of Audit Led	Country & State/Province
2017	Cyanide Code Gap Analysis for a Consigner	Mexico
2017	Cyanide Code Audit for a Transporter	Mexico
2016	Cyanide Transportation Audit for a Cosigner.	Mexico
2016	Cyanide Code Preoperational Audit for a Transporter	Mexico
2015	Cyanide Code Audit for a Distribution Center.	Chile
2015	Cyanide Transportation Audit for a Cosigner.	Guatemala
2014	Cyanide Transportation Audit for a Cosigner.	Mexico
2014	Cyanide Transportation Preoperational Audit for a Cosigner.	Mexico
2013	Cyanide Transportation Audit for a Cosigner.	Argentina
2013	Cyanide Transportation Audit for a transport company.	Argentina
2013	Cyanide Audit for a Cyanide Distribution Center	Peru
2013	Cyanide Transportation Audit for a Cosigner.	Chile
2013	Cyanide Transportation Audit for a transport company.	Chile
2013	Cyanide Code Certification Audit to two additional transport subcontractors for a consigner.	Mexico
2013	Cyanide Code Certification Audit for a gold mine	USA
2013	Cyanide Code Gap Analysis for a gold mine	Nicaragua
2013	Cyanide Transportation audit for a consigner.	Honduras
2012	Cyanide Transportation (following the ICMI protocols) for one transport company	Dominican Republic
2012	Cyanide Code Certification Audit for a gold mine in Sonora	Mexico
2012	Cyanide Code Gap Analysis for a gold mine in Sonora	Mexico
2012	Cyanide Code Gap Analysis for a gold mine in Guerrero	Mexico
2012	Cyanide Transportation (following the ICMI protocols) for one transport company (pre-operation audit)	Peru
2012	Cyanide Transportation (following the ICMI protocols) for one consigner.	Guatemala
2011	Cyanide Transportation (following the ICMI protocols) for one transport company	Chile
2011	Cyanide Code GAP Analysis, Gold Mine	Guatemala
2011	Cyanide Transportation (following the ICMI protocols) for one transport company (pre-operation audit)	Peru
2011	Cyanide Transportation (following the ICMI protocols) for one consigner.	Argentina
2010	Cyanide Transportation (following the ICMI protocols) for two consigners and three transport companies.	Peru
2010	Cyanide Transportation (following the ICMI protocols)	Panama
2009	Cyanide Transportation (following the ICMI protocols)	Guatemala, Guatemala
2009	Cyanide Transportation (following the ICMI protocols)	San Pedro Sula, Honduras
2008	Detonators manufacturing facility (handles explosive chemicals) (Environmental Audit)	Reynosa, Tamaulipas, Mexico
2008	Locomotives repair shop (EHS)	Torreón, Coahuila, Mexico
2007	High Tech/Telecom (EHS)	Juarez, Chihuahua, Mexico

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
Juan Carlos Rangel	18	Partner	<p>Environmental Consultant performing and supervising over 200 EHS and Environmental Site Assessments, approximately 25% of which have been performed in chemical or manufacturing facilities handling hazardous chemicals (e.g. pesticides synthesis, fertilizers, chromium plating, acid production, polymers production, solvent based paint manufacture, solvent and acids purification, manufacture and use of explosives, etc). Over 60 EHS compliance audits; he has been lead auditor in 20, five of them have been to chemical facilities. Over 35 Cyanide Code Audits and Gap Analyses for mines, transport companies and distribution centers.</p>
Christian Cardenas	8	Project Manager	<p>Environmental consultant with over eight years of experience in environmental, health and safety supervision and consulting services. He is a registered professional Geographical and Environmental Engineer, specialized in EHS auditing, integrated management systems and process safety.</p> <p>Some relevant examples include participation in the following projects:</p> <ul style="list-style-type: none"> • Health & safety audit of a two different copper facilities in Copiapo and La Serena, Chile. • Environmental Audit of a polymetallic mining facility, located in Ayacucho, Peru (this mine also used cyanide). • Environmental, Health and Safety Audit of a zinc and copper mining Facility, located in Andalucia, Spain (this mine also used cyanide). • Health and Safety Audit of three copper mining Facilities and one smelter, located in Copiapo, Antofagasta and Valparaiso, Chile. • Safety transformation program at gold mining Facilities, located in Argentina, Guatemala, Mexico and Canada. • Environmental Audit of a gold mining Facility, located in Cajamarca, Peru. • Socio-environmental audit of a zinc and copper mining facility, located in Ancash, Peru. • Supervision of the HSE management system in a tin mining facility, located in Puno, Peru. • Supervision of the HSE management system on a mining contractor in a gold mining facility, in La Libertad, Peru.
Pedro Flores		Project Engineer	<p>Bachelor of Geographic Engineering with specialization in Environment and Natural Resources of the Major National University of San Marcos. With expertise in sensitivity mapping, impact assessments, monitorings, contaminated site management, management plans, international standards and best practices. Mr. Flores has five years of experience in the field of environmental consultancy.</p>

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*	Juan Carlos Rangel		7 July 2017
Mining Auditor	Christian Cardenas		7 July 2017
Support auditor	Pedro Flores		7 July 2017

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

----- YO, EL LICENCIADO **CARLOS ALEJANDRO DURÁN LOERA**, TITULAR DE LA NOTARÍA NÚMERO ONCE DE LA CIUDAD DE MÉXICO C E R T I F I C O: QUE ANTE MÍ, RECONOCIÓ SU FIRMA EN EL PRESENTE DOCUMENTO Y RATIFICÓ EL CONTENIDO DEL MISMO PARA TODOS SUS EFECTOS LEGALES, EL SEÑOR **JUAN CARLOS RANGEL LÓPEZ**; DE CUYA COMPROBACIÓN DE FIRMA, LEVANTÉ EN EL PROTOCOLO DE LA NOTARÍA A MI CARGO, EL ACTA MARCADA CON EL NÚMERO **SESENTA Y NUEVE MIL OCHOCIENTOS DOS**, DE ESTA MISMA FECHA Y COMO LO DISPONE EL ARTÍCULO CIENTO TREINTA Y CINCO DE LA LEY DEL NOTARIADO EN VIGOR EL CITADO COMPARECIENTE ESTAMPA SU HUELLA DIGITAL Y FIRMA EL ACTA ANTES RELACIONADA.-----

----- LA PRESENTE CERTIFICACIÓN QUEDA PROTEGIDA CON UN KINEGRAMA. DOY FE.-----

----- CIUDAD DE MÉXICO A SIETE DE JULIO DEL AÑO DOS MIL DIECISIETE.-----

EL/emv

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LIC. CARLOS ALEJANDRO DURÁN LOERA
NOTARIO 11 DE LA CIUDAD DE MÉXICO

