Facility Audited: Golden Star Resources Ltd, Wassa Operations

Audit Date: September 3 through September 7, 2012

Lead Auditor Credentials

• Lead Auditor: John Lambert, P. Geo., CEA (ENVIRON EC (Canada) Inc.

• Auditor Certification No.: 2000043

• Certifying Organization:

CECAB

(Canadian Environmental Certification Approvals Board)

Suite 200, 308 - 11th Ave SE Calgary, Alberta, T2G 0Y2

Ph: (403) 233-7484

Fax: (403) 264-6240

Email: blawson@cecab.org

Lead Auditor Experience:

Year	Type of Facility/Type of Audit Led	Country & State/Province
2012	Lead Auditor for ICMC certification audit of Centerra Gold Inc., Boroo Supply Line transportation route between the Chinese/Mongolian Border and the Boroo Mine Site	Mongolia
	Lead Auditor for ICMC pre-assessment audit of Agnico-Eagle Mines Limited review of the Pinos Altos Gold Mine	Mexico
	Lead Auditor for the Recertification Audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation	Ghana
	Environmental auditor for environmental compliance audits of Thompson Creek Minerals Endako Molybdenum mine and Mt. Milligan gold mine project in northern British Columbia.	British Columbia, Canada
	Lead Auditor for ICMC Recertification Audit, Kinross Gold Corporation, Kettle River Operations, Washington, USA	Washington, USA
	Gold Mining Technical Expert for ICMC Certification Audit, Kinross Gold Corporation's Chirano Mine, Ghana	Ghana



Year	Type of Facility/Type of Audit Led	Country & State/Province
	Lead Auditor ICMC Preassessment of Group Frisco's San Felipe Mine, Baja California	Mexico
	Lead Auditor ICMC Pre-Certification Audit of Minera Mexico La Cienega Mine	Mexico
	Lead Auditor for ICMC Recertification Audit, Compañia Minera Maricunga (CMM) [a Kinross Gold Corporation operation], Chile	Chile
2011	Lead auditor ICMC Certification Audit of Centerra Gold Inc's, Boroo Gold Company, Boroo Mine.	Mongolia
	Lead Auditor ICMC Certification Audit of Centerra Gold Inc's, Kumtor Operation Company, Kumtor Mine	Kyrgyz Republic
	Lead Auditor ICMC Certification of Kumtor Transportation Operation, Kyrgyz Republic.	Kyrgyz Republic
	Lead Auditor ICMC Preassessment of Minera Mexico La Cienega Mine	Mexico
	Lead Auditor ICMC Interim Audits Golden Star Resources, Bogoso/Prestea and Wassa Operations, Ghana	Ghana
2010	Lead Auditor for ICMC Certification Audit of the Kinross Gold Mantos de Oro Mine	Chile
	Lead Auditor for ICMC recertification audit of Cripple Creek & Victor Gold Mining Company, Cripple Creek, Colorado, USA[an AngloGold Ashanti (Colorado) Corp. and Golden Cycle Gold Corporation joint venture]	Colorado, USA
2009	Lead Auditor for ICMC audit, Kinross Gold Corporation, Kupol Project, Russia	Chukotka AO, Russian Federation
2008	Lead Auditor for International Cyanide Management Code (ICMC) audit for Golden Star Resources, Wassa Operations, Ghana.	Ghana
	Lead Auditor for International Cyanide Management Code (ICMC) audit for Golden Star Resources, Bogoso/Prestea Operations, Ghana	Ghana



Year	Type of Facility/Type of Audit Led	Country & State/Province
	Lead Auditor for ICMC audit, Kinross Gold Corporation, Kettle River Operations, Washington, USA	Washington, USA
	Lead Auditor for ICMC audit, Compañia Minera Maricunga (CMM) [a Kinross Gold Corporation operation], Chile	Chile
	ICMC corrective action progress monitoring (CMM) and preassessment for La Coipa Mine [Kinross Gold Corporation operations] Chile	Chile
	ICMC preassessment, Golden Star Resources, Bogoso/Prestea and Wassa Operations, Ghana	Ghana
2007	Lead Auditor for ICMC audit of Fairbanks Gold Mining Inc. [a Kinross Gold Corporation USA, Inc., operation] Fort Knox Mine	Alaska, USA
	Lead Auditor for ICMC audit of Cripple Creek & Victor Gold Mining Company Cripple Creek, Colorado, USA[an AngloGold Ashanti (Colorado) Corp. and Golden Cycle Gold Corporation joint venture]	Colorado, USA
2006	Lead Auditor for ICMC audit of Round Mountain Gold Corporation, Round Mountain, Nevada (a Kinross/Barrick joint venture)	Nevada, USA
	One of a team of four auditors on an environmental health and safety audit of Syncrude's main oil sands Aurora open pit mine site 60km north of Fort MacMurray, Alberta. The scope of the audit included all aspects of mine planning, operations, maintenance and closure, as well as then oil hydrotreaters and slurry pipeline to the refinery. The audit criteria were Syncrude's EMS and environmental health and safety procedures. The audit included compliance to the Mine Permit and federal and provincial legal requirements.	Alberta, Canada
2005	Lead Auditor for an environmental compliance audit of an Alcoa aluminum extrusion and fabrication plant in Lethbridge Alberta. Scope of the audit evaluated plant operations against federal, provincial and municipal legislation.	Alberta, Canada



Year	Type of Facility/Type of Audit Led	Country & State/Province
	One of a team of four auditors on an environmental health and safety audit of Syncrude's main oil sands open pit mine site in Fort MacMurray, Alberta. The scope of the audit included all aspects of mine planning, operations, maintenance and closure. The audit criteria were Syncrude's EMS and environmental health and safety procedures. The audit included compliance to Mine Permit and federal and provincial legal requirements.	Alberta, Canada
	One of a team of three auditors on an environmental health and safety audit of Syncrude's Central Maintenance Supply Services Division in Fort MacMurray, Alberta. This group is responsible for equipment maintenance, warehousing and worker supply. The scope of the audit included facility operations and maintenance and contract management. The audit criteria were Syncrude's EMS and environmental health and safety procedures; included verification of compliance with federal and provincial legal requirements.	Alberta, Canada
2003	Lead Auditor for an ISO 14001 EMS audit of the BC Hydro's Construction Business Unit (CBU). The audit client was BC Hydro Corporate. The scope of the audit included CBU's main office, field operations facilities in Surrey and Kamloops and one capital project. The audit criteria were CBU's environmental management system; there were two members of the audit team.	British Columbia, Canada
2001	Lead Auditor for audits of three Canadian Coast Guard (CCG) Bases located in Prince Rupert, Victoria and Sydney, British Columbia, for the BC Department of Fisheries. The audit subject included environmental management systems (EMS), environmental compliance, solid waste, water and energy use and efficiency and the scope was limited to onshore facilities (workshops, ship repair, buoy painting and maintenance, helicopter base, research facilities, marine search and rescue and warehouse support). Audit criteria included federal, provincial and applicable municipal legislation, and the CCG EMS. The team comprised six auditors and the field work was undertaken over a period of 4 weeks.	British Columbia, Canada



Cyanide-related Operations Experience – Audit Team Members

Mark A. Montoya, PE, CEA, (Visus Consulting Group, Inc.)

Yrs. CN Ops Experience	Relevant Position /Titles	Type of Operation	าร
18+	Mining, Environmental and Engineering Consultant and Project Manager	Mr. Montoya has over 27 years of dividesign and development of natural reand commercial projects, with over 22 experience within the mining industry environmental planning, environmental regulatory permitting, engineering and management. His experience include for mining companies and consulting predominately performing engineering and regulatory permitting functions, or reclamation and closure planning, fear infrastructure siting and design, and put Mr. Montoya has worked for four procompanies at four separate operating to working as a consultant. Approximation mining experience comprises gold procyanidation techniques.	source, industrial 2 years of his operational and al compliance, d project es working directly to those companies g, environmental peration, sibility studies, project management. lucing mining mines, in addition ately 80% of his
	Techn	ical Expert Audit Experience	
2007	Gold Mining Technical Expert and independent outside auditor for the verification audit for compliance with the ICMC, Minera Barrick Misquichilca S.A., Pierina Mine		
	Gold Mining Technical Expert and independent outside auditor for the verification audit for compliance with the ICMC, Minera Barrick Misquichilca S.A., Lagunas Norte Mine		Gold mine, Peru, Santiago de Chuco
	auditor for the verific	cal Expert and independent outside cation audit for compliance with the ntina Gold S.A., Veladero Mine	Gold mine, Argentina, San Juan
		cal Expert and independent outside cation audit for compliance with the	Gold mine,



	ICMC, Homestake Mining Company, Ruby Hill Mine	Nevada, USA
2008	Gold Mining Technical Expert and independent outside auditor for the verification audit for compliance with the ICMC, Newmont Mining Corporation, Phoenix Mine	Gold mine, Nevada, USA
	Gold Mining Technical Expert and independent outside auditor for the verification audit for compliance with the ICMC, Newmont Mining Corporation, Carlin Mine	Gold mine, Nevada, USA
	Gold Mining Technical Expert for the verification audit for compliance with the ICMC, Kinross Gold Corporation, Compañia Minera Maricunga, Maricunga Mine	Gold mine, Chile, Region III
	Gold Mining Technical Expert for the verification audit for compliance with the ICMC, Kinross Gold Corporation, Kettle River Operations, Washington	Gold mine, Washington, USA
2009	Gold Mining Technical Expert for the verification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation	Gold mine, Ghana, Prestea Huni Valley District
	Gold Mining Technical Expert for the verification audit for compliance with the ICMC, Golden Star Resources, Wassa Operation	Gold mine, Ghana, Mpohor Wassa East District
	Gold Mining Technical Expert for the verification audit for compliance with the ICMC, Kinross Gold Corporation, Kupol Project	Gold mine, Chukotka Autonomous Okrug, Russian Federation
2010	Gold Mining Technical Expert and independent outside auditor for the verification audit for compliance with the ICMC, Williams Operating Corporation (Barrick Gold Corporation), Williams Mine	Gold mine, Ontario, Canada
	Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Round Mountain Gold Corporation (a Kinross Gold Corporation and Barrick Gold Corporation joint venture), Round Mountain Operation	Gold mine, Nevada, USA
	Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Cripple Creek & Victor Gold Mining Company, Cresson Project [an AngloGold Ashanti (Colorado) Corp. and Golden Cycle Gold Corporation joint venture]	Gold mine, Colorado, USA



Conducted preassessment audit prior to scheduled ICMC verification audit, Compañia Minera Mantos De Oro (a Kinross Gold Corporation company), La Coipa Mine Gold Mining Technical Expert for the verification audit for compliance with the ICMC, Compañia Minera Mantos De Oro (a Kinross Gold Corporation company), La Coipa Mine 2011 Gold Mining Technical Expert and independent outside auditor for the verification audit for compliance with the ICMC, Cerro Vanguardia Mine, Cerro Vanguardia S.A. (AngloGold Ashanti Corporation) Conducted interim audit prior to scheduled ICMC recertification audit, Golden Star Resources, Bogoso/Prestea Operation Conducted interim audit prior to scheduled ICMC recertification audit, Golden Star Resources, Wassa Operation Gold Mining Technical Expert and independent outside auditor for the recertification audit for compliance with the ICMC, Newmont Mining Corporation, Midas Mine Gold Mining Technical Expert and independent outside auditor for the recertification audit for compliance with the ICMC, Newmont Mining Corporation, Phoenix Mine 2012 Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Newmont Mining Corporation, Phoenix Mine Gold Mining Technical Expert and independent outside auditor for the recertification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation			
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auditor for the verification audit for compliance with the ICMC, Cerro Vanguardia Mine, Cerro Vanguardia S.A. (AngloGold Ashanti Corporation) Conducted interim audit prior to scheduled ICMC recertification audit, Golden Star Resources, Bogoso/Prestea Operation Conducted interim audit prior to scheduled ICMC recertification audit, Golden Star Resources, Wassa Operation Conducted interim audit prior to scheduled ICMC recertification audit, Golden Star Resources, Wassa Operation Gold Mining Technical Expert and independent outside auditor for the recertification audit for compliance with the ICMC, Newmont Mining Corporation, Midas Mine Gold Mining Technical Expert and independent outside auditor for the recertification audit for compliance with the ICMC, Newmont Mining Corporation, Phoenix Mine Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Kinross Gold Corporation, Compañia Minera Maricunga, Maricunga Mine Gold Mining Technical Expert and independent outside auditor for the recertification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation		compliance with the ICMC, Compañia Minera Mantos De Oro (a Kinross Gold Corporation company), La Coipa	
recertification audit, Golden Star Resources, Bogoso/Prestea Operation Conducted interim audit prior to scheduled ICMC recertification audit, Golden Star Resources, Wassa Operation Gold Mining Technical Expert and independent outside auditor for the recertification audit for compliance with the ICMC, Newmont Mining Corporation, Midas Mine Gold Mining Technical Expert and independent outside auditor for the recertification audit for compliance with the ICMC, Newmont Mining Corporation, Phoenix Mine Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Kinross Gold Corporation, Compañia Minera Maricunga, Maricunga Mine Gold Mining Technical Expert and independent outside auditor for the recertification audit for compliance with the ICMC, Goldcorp Inc., Peñasquito Mine Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation Gold mine, Chile, Region III Gold mine, State of Zacatecas, Mexico Gold mine, Ghana, Prestea Huni Valley District Gold mine, Chile, Region III Gold mine, Ghana, Prestea Huni Valley District	2011	auditor for the verification audit for compliance with the ICMC, Cerro Vanguardia Mine, Cerro Vanguardia S.A.	Argentina, Province of Santa
recertification audit, Golden Star Resources, Wassa Operation Gold Mining Technical Expert and independent outside auditor for the recertification audit for compliance with the ICMC, Newmont Mining Corporation, Midas Mine Gold Mining Technical Expert and independent outside auditor for the recertification audit for compliance with the ICMC, Newmont Mining Corporation, Phoenix Mine Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Kinross Gold Corporation, Compañia Minera Maricunga, Maricunga Mine Gold Mining Technical Expert and independent outside auditor for the recertification audit for compliance with the ICMC, Goldcorp Inc., Peñasquito Mine Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Mpohor Wassa		recertification audit, Golden Star Resources,	Prestea Huni
auditor for the recertification audit for compliance with the ICMC, Newmont Mining Corporation, Midas Mine Gold Mining Technical Expert and independent outside auditor for the recertification audit for compliance with the ICMC, Newmont Mining Corporation, Phoenix Mine Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Kinross Gold Corporation, Compañia Minera Maricunga, Maricunga Mine Gold Mining Technical Expert and independent outside auditor for the recertification audit for compliance with the ICMC, Goldcorp Inc., Peñasquito Mine Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Mexico Gold Mining Technical Expert for the recertification audit Valley District Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Mophor Wassa		recertification audit, Golden Star Resources, Wassa	Mpohor Wassa
auditor for the recertification audit for compliance with the ICMC, Newmont Mining Corporation, Phoenix Mine Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Kinross Gold Corporation, Compañia Minera Maricunga, Maricunga Mine Gold Mining Technical Expert and independent outside auditor for the recertification audit for compliance with the ICMC, Goldcorp Inc., Peñasquito Mine Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Mexico Gold Mining Technical Expert for the recertification audit Valley District Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Mpohor Wassa		auditor for the recertification audit for compliance with the	· ·
for compliance with the ICMC, Kinross Gold Corporation, Compañia Minera Maricunga, Maricunga Mine Gold Mining Technical Expert and independent outside auditor for the recertification audit for compliance with the ICMC, Goldcorp Inc., Peñasquito Mine Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation Gold Mining Technical Expert for the recertification audit Valley District Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Mpohor Wassa		auditor for the recertification audit for compliance with the	
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for compliance with the ICMC, Golden Star Resources, Bogoso/Prestea Operation Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Golden Star Resources, Mpohor Wassa		auditor for the recertification audit for compliance with the	of Zacatecas,
for compliance with the ICMC, Golden Star Resources, Mpohor Wassa		for compliance with the ICMC, Golden Star Resources,	Prestea Huni
		for compliance with the ICMC, Golden Star Resources,	Mpohor Wassa



÷.	Lead Auditor and Gold Mining Technical Expert for a pre- certification audit of operations conducted prior to the initial ICMC verification audit, Kinross Gold Corporation, Tasiast Project	Gold mine, Mauritania
	Lead Auditor and Gold Mining Technical Expert for the recertification audit for compliance with the ICMC, Marigold Mining Company (a Goldcorp Inc. company), Marigold Mine	Gold mine, Nevada, USA

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,	<u>Name</u>	<u>Signature</u>	<u>Date</u>
Lead Auditor*	John Lambert	9	1 March 2013
Auditor 1	Mark Montoya	SOLA	March 1, 2013

^{*} Notarized as indicated



Signed before me at North Vancouver B.C. By John Lambert on 1 March 2013

A Notary Public in and for the Province of British Columbia

LORRAINE E. JOHN
Notary Public

#200A 1401 Lonsdale Avenue North Vancouver, B.C. V7M 2H9

Phone: 604-985-4150

