

## **John F. Barry**

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### **PROFESSIONAL OBJECTIVE**

Senior mine management position with leadership, supervisory, and project management responsibilities.

### **QUALIFICATIONS**

Skilled in underground mine planning, geology, and project engineering.  
Thirty years of professional experience in underground mine development and production.  
Registered Professional Engineer and Certified Professional Geologist.  
B.S. Geological Engineering, Michigan Technological University, 1984.

### **PROFESSIONAL EXPERIENCE**

**Neval Engineering - Technical Services Manager** – Gustavus, Alaska – January 2021 to present.

Project Manager for municipal projects, City of Gustavus. Permitting for on-site residential wastewater systems.

**Endeavour Mining PLC – Technical Services Manager** – April, 2016 to January, 2020.

**Karma Mine**, Ouahigouya, Burkina Faso – November 2018 to January, 2020. Managed the mine technical services team with a staff of 60 personnel with responsibility for mine geology, mine planning, surveying, geomechanics, geohydrology and near mine exploration. The team supported 11,000 tpd of heap leach gold ore production from the Kao Main and Kao North open pits, and the early development of the new GG1 open pit mine. Improved the geologic model to mine to mill gold reconciliation procedures.

**Tabakoto Mine**, Kenieba, Republic of Mali – April, 2016 to November 2018. Mine Technical Services Manager at a 4400 tpd gold mining operation consisting of Tabakoto and Segala underground mines, and Kofi B, Kofi C and Tabakoto North open pits. Managed a staff of 80 with responsibility for mine geology, mine planning, surveying, geomechanics, and underground mine exploration. Qualified person for the underground ore reserve annual statements. Improved the transverse longhole stoping arrangement at the Segala mine mostly by reorganizing the cemented backfill sequence. The Tabakoto mine geology team added previously unidentified shear and extension veins to the geologic model using underground mine mapping and a reassessment of core drilling results which added substantial mining opportunities in developed areas and to the ore reserves. Exploration drilling resulted in increased ore reserves at both Segala and Tabakoto. Developed the geologic model to mine to mill gold reconciliation procedures.

**Kamoto Copper Co., Katanga Mining Ltd. (Glencore) – Mine Technical Services Manager** – Kolwezi, Democratic Republic of Congo – March, 2014 to December, 2015. Managed the mine technical services team with a staff of 180 supporting the KTO underground mine (6000 tpd sulphide ore) and the T17 and KTE underground development projects; and two open pit mines: KOV (170,000 tpd total oxide ore and waste) and Mashamba East (26,000 tpd pre-production waste). Alternate Mine General Manager.

Management responsibilities and accomplishments: Short and long term surface and underground mine planning. Transitioned the open pit from visual ore control to block models and dig plans. Managed surface and underground core, RC, dewatering, and raise bore drilling programs with approximately twenty total drills (+55,000 core meters drilled 2015). Upgraded the core processing facility and procedures. Completed significant updates of the resource models. Developed the mine ventilation program which included upgrading the mine rescue team. Completed the storm water management plan for KOV open pit and the ground water model. Implemented underground geotechnical SOP's and a pit wall stability management plan. Member of the team that developed a small heap leach operation for low grade oxide ore.

**Yukon Zinc Corp. – Technical Services Manager** – Wolverine Mine, Yukon, Canada – March to December, 2013.

Managed ore reserve and exploration projects at a 1200 tpd massive sulphide drift and fill mine. Organized an underground core drilling program. Managed the mining claim portfolio.

**Coeur Mining - Technical Services Superintendent** – Kensington Mine, Juneau, Alaska – August, 2009 to March, 2013, from start up to stable production.

Established the technical services group that provided geology, mine planning and project engineering support for a 1500 tpd longhole stope gold mine with paste backfill. Provided training and mentoring to the technical staff. Organized outside consultants for specialized technical support. Developed systems for short term and life of mine plans. Responsible for development of the mine ventilation system, ground control plans, evaluation of mining methods and production reconciliations. Successfully changed the primary mining method from longitudinal to transverse longhole stoping. Implemented procedures to improve drilling contractor safety compliance and performance. Drilling productivity improved 88% from 2011 to 2012 to 142,000 feet of underground and surface core. Overhauled the resource model. Qualified person for the ore reserve and NI 43-101 Technical Report.

**Barrick Gold Corporation - Senior Mine Engineer** - Porgera Mine, Enga Province, Papua New Guinea - June, 2007 to July, 2009.

Supervised and trained a national staff of engineers, surveyors and interns. The staff was mentored to provide the production design, short term scheduling, surveying, production reporting, dispatch management, ventilation, and backfill engineering necessary to successfully support a 2400 tpd longhole stope gold mine. Developed a stope reconciliation method that earned the staff recognition for establishing the Barrick regional standard.

**Neval Engineering, LLC - Principal Engineer** - October, 2003 to May, 2007.

**Kinross Gold Corporation** - K-2 Mine, Republic, Washington – February, 2007 to April, 2007.

Completed an evaluation of dewatering and developing resources remaining in the mine.

**Barrick Goldstrike Mines** - Meikle and Rodeo Mines, Carlin, Nevada - October, 2003 to January, 2007.

Long range planning engineer for the Meikle mine and six new mining areas. Developed a remnant stoping plan for the Meikle main zone. Introduced new development and production arrangements as part of the transition from longhole stoping to drift and fill mining.

**Queenstake Resources** - Jerritt Canyon Operations, Elko, Nevada - February to October, 2006. Project engineer for the development of the Starvation Canyon underground mine. Completed the life of mine and surface facility plans. Completed life of mine plans for the Smith and Saval mines.

**Coeur Alaska, Inc.** - Kensington Mine, Juneau, Alaska – August, 2005 to May, 2006. Prepared the ore reserve and life of mine plan.

**Newmont Mining Corporation - Senior Mine Engineer**, Deep Post and Deep Star Mines, Carlin, Nevada - December, 1997 to October, 2003, from concept through start up to full production. The combined mines produced 600,000 ounces of gold in 2002.

**Mine Production:** Responsible for all mine planning and ventilation for an 1800 tpd underhand drift & fill and longhole stope gold mine operating within Barrick's Betze-Post pit. Newmont's liaison to Barrick, duties included administering operations and water management agreements. Member of the mine rescue team.

**Mine Development:** Designed the underground mine infrastructure. Member of teams negotiating land exchange, mine development, geotechnical and dewatering issues with Barrick. Directed the survey to connect the Deep Post and Deep Star mines.

**Project Management:** Project manager for the construction of the underground maintenance shop and backfill plant. Responsible for conceptual design, preparation of engineering RFP's, management of the engineering contractor, design of the shop and backfill plant excavations, equipment specifications and purchase, preparation of the construction RFP, management of the construction contractor, and project budgeting and scheduling. Completed the project within budget. Responsible for contractor safety compliance.

**Echo Bay Mines**, Alaska-Juneau Mine, Juneau, Alaska - May, 1993 to November, 1997.

**Mine Engineer** - April, 1995 to November, 1997 – Project engineering and mine planning for the feasibility study of a large underground gold mine. Mine surveyor and member of the mine rescue team.

**Mine Geologist** -, May, 1993 to April, 1995 - Underground geologic mapping and core logging. Directed a geotechnical drilling project.

**Kennecott Minerals (Rio Tinto)**, Greens Creek Mine, Juneau, Alaska - February, 1990 to April, 1993.

**Mine Engineer** - July, 1991 to April, 1993 - Short term mine planning for a 1300 tpd massive sulphide underground drift and fill mine. Project engineer for the longhole stoping program.

**Mine Geologist** - February, 1990 to July, 1991 - Ore control and core logging.

### **REGISTRATIONS**

Registered Professional Mining and Civil Engineer, States of Alaska and Nevada

Member of the Association of Professional Engineers of Yukon

Certified Professional Geologist, American Institute of Professional Geologists and the State of Alaska

Land Surveyor in Training, State of Alaska

Founding Registered Member of the Society for Mining, Metallurgy and Exploration

### **COMPUTER SKILLS**

Experienced Vulcan operator. EPS and mineCAD user.