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## INTRODUCTION:

I have worked 38 years in the mineral processing industry, mainly with gold, copper-gold, diamonds, and nickel. My emphasis has been on safety, hands on operations, metallurgical processes, maintenance, and plant management. My experience includes commissioning new plants and older plants after renovations, plant operations budgeting, setting achievable production goals, discharge water treatment, setting up contracts with reagent suppliers, setting up bullion process contracts with the Mint, and mentoring the mill process team. I believe in good communication and cooperation with the environment department so the site can stay in compliance.

## WORK EXPERIENCE:

### ***Agnico Eagle & Kirkland Lake Gold, June 2019 - May 2024***

Macassa Mill, June 2022 - May 2024

Plant Manager (Mill Operations)

- Initiated team building for supervisors and extended it to all operations personnel to increase communication between crews and their supervisor. This resulted in a joint effort between the teams to increase their bond and enhance safety.
- Mentored metallurgical team to understand the issues with the metallurgical balance and correcting it to industry standard deviation.
- Initiated the renovation of the fire assay room, empowering the assay lab staff to work with the engineer to create a workable department in which they would have ownership.
- Worked with the operations team to increase throughput of the mill to maximum.
- Planned improvements to increase tonnage further while maintaining recovery.

Detour Mill, June 2020 - June 2022

Plant Manager (Mill Operations, Mill Maintenance and reliability team)

- Empowered reliability team to work on plant issues that were increasing the downtime.
- Worked on relations between a major vendor and the company, enabling us to increase efficiency of the large drives for the grinding circuit motors and decreasing downtime.
- Increased relations between operations and maintenance, enhancing communication.
- Empowered the long term shutdown coordinators to develop a shutdown strategy that increased the efficiency of the major shutdowns.
- Effective team building, which led to throughput records.

Macassa Mill, June 2019 - June 2020

Plant Manager (Mill Operations)

- Mentored mill superintendent, to enable them to fulfill the responsibilities of their role.
- Initiated the completion of outstanding projects that were started but left uncompleted.
- Initiated projects towards the end of the year that enabled the mill to reach budgeted production.

***Jerritt Canyon Gold, Elko Nevada. 2015 - 2019***

***Process Plant Manager.***

- Initiated major safety and operational culture change, which included all departments.
- Maintained a good working relationship with MSHA (Mine Safety and Health Administration).
- Mentored mill operations and maintenance team.
- Led major renovation of crushing area to remedy health issue of dust exceeding threshold limits. This involved the implementation of various operational methods to make the system work through the winter months.
- Initiated programs to correct scale deposition throughout the plant, caused by the roaster chemistry, which led to a 90% decrease of scaling.
- The ore at this plant contained mercury, which can lead to many environmental issues. To ensure compliance of mercury levels, I initiated corrections to the exhaust system for the refinery and initiated corrections to the assay lab furnace exhaust.
- Empowered maintenance superintendent to work with selected contractors to repair the roaster building structure safely while still in operation.

***Barkerville Gold Mine. Quesnel BC 2014-15***

***Plant Superintendent.***

- Safe operating and efficiency management
- Old plant recommissioned to run new ore body.

***Thompson Creek, Mt. Milligan Mine, Mackenzie BC, 2013-14***

***Plant operations general foreman.***

- Commissioning 60,000 tpd process plant
- Manage 2 direct reports, total personal 20
- Work well with all supporting departments

***Veris Gold USA INC. Elko Nevada, Feb 2013 - Jun 2014***

***Mill Manager - short term***

- Operation of 5000 TPD Au Roaster CIL plant
- Managed 6 direct reports, total mill personal 110
- Team building, increased communication, motivate employees
- Stabilize production, update all production controls

***Liberty Mines Inc. Timmins On, 2012-13***

***Mill Manager - Shut Plant down due to drop in Ni price.***

- Operation of 2000 Tpd Ni Flootation plant
- Managed 7 direct reports, total mill personal of 32
- Operations team maintained good safety record while increasing productivity and product quality

***Lakeshore Gold Corp. Timmins On. 2008-12***

***Senior Process Analyst, Mill Superintendent***

- Operations and Metallurgical support for 3300 Tpd and 5500 Tpd expansion
- Coordinating Metallurgical test and review of new ore bodies
- Worked with u/g project Manager on process part of backfill plant
- Work with the surface project Manager on water balance and treatment options.
- Operation of 2000 tpd gold cyanidation, gravity, CIP plant
- Managed 4 direct reports, total mill personal of 37
- Lead team to a successful re-commissioning of Bell Creek Mill in 2008-09
- Worked on Mill expansion project 1500 to 2000 Tpd, 1 month shutdown restarted Oct. 2010.
- Hands on technical knowledge in processing, team oriented. Dedicated to operation

***Debeers Canada, Victor Mine, Attawapiskat On, 2007-08***

***Mill Metallurgist***

- Worked with Commissioning crew, to start 9000 Tpd diamond plant, Plant startup Dec. 2007
- Circuit quality control, operations metallurgical support, Manage metallurgical lab.
- Managed 1 direct report, set up a metallurgical lab.
- Resolved high efficiency thickener issue to enable the plant to reach production throughput targets.
- Worked well with operations personal

***St. Andrews Goldfields, Matheson On, 2006-07***

***Mill Coordinator***

- Oversee all milling activities by company
- Relay with management team from Dra and metallurgical duties at Holt Mill
- Lead the recommissioning of the Holt mill, 3000 Tpd
- Mill Superintendent Stock Mill until shutdown, managed 2 direct reports, total mill personal 22

***PJV Dome Mine, Timmins On, 2002-06***

***Mill Metallurgical Technologist***

- All Duties of Mill Tech
- Redesigned fine carbon collection, amount collected increased by a min of 300%
- Work with operations personal

***Kinross Gold Corp. Timmins Division, Bell Creek Mill, Timmins On 1996-02***

**Chief Metallurgist**

- Responsible for all plant metallurgical processes.
- Worked with Engineering group on 1500 Tpd CIP circuit, Construction and Commissioning.
- Worked with Engineering group on 1000 - 1500 Tpd grinding circuit expansion and commissioning

***Kinross Gold Corp. Macassa Division, Kirkland lake On, 1995-96***

**Mill Metallurgist**

- All Metallurgical Duties
- On Stream cyanide control.
- Transferred to Timmins Div 1996

***Deak Resources Corp, Kerr Division Virginiatown, On 1994-95***

**Mill Superintendent**

- Operate 1200 Tpd gold processing plant
- Manage 4 direct reports, total mill personal 30
- Lowered operational cost, increased mill process efficiency

***Dona Lake Gold Mine Ltd, Dona lake mine, Pickle Lake On 1993-94***

**Mill Superintendent**

- Operated 500 Tpd gold Cip recovery plant
- Managed 4 direct reports, total mill personal 15

***Placer Dome Inc. Dona Lake Mine, Pickle Lake On, 1989-93***

**Mill Operations Foreman/Chief Refiner, Mill Technologist**

- Direct 4 operation crews, day to day operation of the 500 tpd processing plant.
- Designate replacement for the Mill Superintendent
- All duties of Plant refiner
- All Metallurgical technologist duties

***Education - Haileybury School of Mine, Haileybury On***

**Graduation 1987**

- Mining Engineering Technologist Diploma (3 yrs)

***Additional Courses***

- Innovative leadership Seminar (Quetico Center)
- Supervisory Accreditation Program
- Level 2 certification Joint Health and Safety
- Project Management Essentials Part 1 & 2

