**SAM**

**Sam.379423@2freemail.com**

**JOB TARGETS**

Metallurgist /Process

Metallurgist Leach Plant

Metallurgist Solvent Extraction Plant

Metallurgist Copper Tank House

Metallurgical Supervisor Milling/Crushing Plant

Metallurgical Supervisor Grinding Plant

Metallurgical Supervisor Reagent Mixing Plant

Metallurgical Supervisor Flotation Section

Metallurgical Supervisor De-Watering Plant

**PERSONAL PROFILE**

Gender : Male

Date of Birth : 7th January, 1980

Place of Birth : Kalulushi

Marital Status : Married

Nationality : Zambian

Profession : Bachelor of Engineering in Metallurgy

**CAREER OBJECTIVE/SUMMARY**

**Metallurgical Engineer** with seven years engineering experience seeking a challenging position to utilize my skills and technical knowledge to improve and develop new process that will increase revenue and reduce operation cost. My aim is to work in a professional environment that offers an opportunity for growth while being resourceful innovative and flexible. I place great importance of being a team member that coordinates well with engineers and clients to accomplish goals on time and budget. In addition I would like to share my understanding of metallurgical processes to assist engineers and other personnel to gain greater engineering manufacturing processes.

**ACHIEVEMENTS**

Successfully analyses a case study of Flotation performance at Chibuluma South Mine.

This involved reducing the worthless minerals (Gangue Minerals) in the concentrate from 25% to 15% by carrying out laboratory flotation tests. Gangue minerals in the concentrate increased to 25% hence the need to reduce In accordance with the smelter contract signed between Konkola Copper Mine and Chibuluma South Mine.

The following parameters were investigated:

* Screen Size Analysis
* Mineralogical examination
* Collector dosage
* Flotation tests

**WORK EXPERIENCE**

**DATES:** 27th October 2011-Date

**JOB TITLE**: Shift Foreman

**COMPANY NAME:** Non Ferrous Cooperation Africa PLC (NFCA) Concentrator

**DUTIES AND RESPONSIBILITIES**

* My aim is to ensure that production targets set by management are met by continuously monitoring the process efficiency parameters to increase the metal recovery and prevent losses.
* To help the Control Room Operator controlling Mill processes and all associated equipment from the Central Control Room and through the Distribution Control System(DCS) to ensure operations are within specified parameters and production targets are achieved.
* To Liaise and synchronise plant maintenance schedules/activities with engineering sections.
* To manage subordinates which include hand over, time sheets, log sheets, hand over inspections and employee relations.
* Ensure adherence and implementation of Security and SHE policies and procedures.
* To analyse the process and maintenance information and always ensure that good house keeping is maintained during down time.
* To manage working cost budget, work according to the Mine’s Code of Practice and inform the General Foreman on the happening of the plant by preparing an accurate and precise report at the end of every shift.
* To supervise the activities of Grinding, Flotation, Columns, and Rea-gent mixing sections. This includes monitoring mill throughput, setting dilution and feed end water, determining the specific gravity ,loading steel make up balls, hauling out mill rejects ,mixing chemicals and measuring re-agent dosages, setting slime levels in flotation and column cells, ensuring correct air and water flow to the flotation and column cells to maintain copper concentrate grades according to established company standards.

**DATE:** 17th October 2009 to 31st March 2011

**JOB TITLE:** Process Metallurgical Engineer

**COMPANY NAME:** Bolo Mining Investment Zambia Limited

**DUTIES AND RESPONSIBILITIES**

* To ensure smooth operations of the plant by investigating and controlling all hydro-metallurgical problems encountered in the plant.
* Ensuring that the recoveries are maintained as well as the production target.
* Enforcing on safety, toxic substances such as Lix984NC, Guarflock66, Sulphuric Acid and Industrial Kerosene.
* Responsible personnel for processing of legal licenses for the operation of the tailing dam, storage of chemicals(Lix, Guarflock, Industrial Kerosene) and license to transport industrial wastes(non-hazardous)
* Responsible personnel for all Environmental Management activities proposed in the Environmental Project Brief.
* Provision of adequate information of the hydro-metallurgical processing plant to our consultants so that the Environmental Protection Fund report is nicely compiled and followed during the operations.

**DATES:** January –March 2004, January-March 2005, January-March 2006 and January-March 2007**.**

**JOB TITLE:** Trainee Student

**COMPANY NAME:** Chibuluma South Mine Plc

**DUTIES AND RESPONSIBILITIES**

* To monitor all the process from the underground to the final Concentrate and then to recommend an action plan to increase the Copper Recovery and minimize metal loses.
* Successfully evaluated a case study of flotation performance in Chibuluma South final Copper Concentrate.

**EDUCATION**

**YEARS**  **INSTITUTION NAME** **CERTIFICATE**

2004-2008 Copperbelt University Bachelor of Engineering in Metallurgy

1998-2000 Chambishi Secondary School Grade 12 Certificate

1996-1997 Chambishi Secondary School Grade 9 Certificate

1989-1995 Twalubuka Primary School Grade 7 Certificate

**PROFESSIONAL MEMBERSHIP**

* Professional Member of the Engineering Institute of Zambia(EIZ)
* Certified First Aider Member

**ACADEMIC AWARDS**

**On 24th July 2009**-Graduated with a credit at the Copperbelt University

**RELEVANT SKILLS**

 Microsoft application packages: MS Word: MS Excel: Power Point

**HOBBIES AND INTERESTS**

Learning new things, listening to music going for morning ran and playing football.