

NEWSLETTER FOR JULY-2019

AVOID FIRE FIGHTING-BY PLANNING GRANULARITY

“Failing to plan is planning to fail”

We have too many fires to fight, in such a short space of time such as Concentrate bagging and water management activities undertaken in the month of June and July. While it was not easy to pull through the two highlighted activities, we can do better in the future by detailed planning of the activities so that execution can be done by anyone through following a detailed step by step plan and the executors having the ability to deploy tactical manoeuvres in responding to the challenges when the available plan is put to test.



To aid execution, adequate definition of responsibilities and accountabilities for the involved persons and the development of SOP's will certainly help in not only concentrate bagging, water management but in all our various activities that are being executed at Munali. **(Matthew Banda)**

GRADUATE TRAINEE PROGRAMME

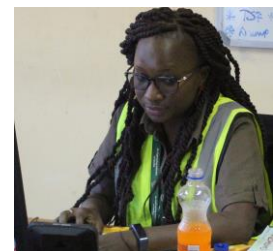
“The Graduate Trainee development program for Mining Engineers commenced, aiming at grooming Mining Engineer upstarts to a level where they will be taken through various operational sections in all mining operations. The Trainees will be absorbed into specific sections according to their strengths in either Mine Planning, Mine Ventilation, Geology, Geotech, Drill & Blasting Engineering or Mine operations”.



Initial set of periodical individual presentations were made to Management on their development progress which was the first of its kind in the Graduate development program strategy. **(Morgan)**

THE ENVIRONMENT OUR SOURCE OF SURVIVAL

The environment is the foundation and support of human existence and survival and the guarantee of sustainable human development. Environmental protection has without doubt become a common understanding and development strategy of all countries of the world. All countries need to perform respective duties and obligations in environmental governance in joint efforts to plan economic development, social progresses and environmental protection to realize mutual wins and sustainable development. Zambia with no doubt has its role to play to contribute to the world wide campaign of environmental protection.



There are a lot of environmental issues, but the one close to home is the water pollution and Fresh Water Resource Shortage. We have experienced one of the waste rainfall seasons in the region which has caused more stress on the availability of fresh water. The prevailing weather conditions are stringent and makes operations more difficult than usual, but we can have an input in the way we use our available water. unnecessary use of water, leaving taps running, not reporting leaks, not having regular maintenance of plants causing over spills which require washing down, allowing water to overflow from storage ponds etc. is one way of wasting water which is a precious resource. Munali Nickel Mine is no exemption in contributing to this campaign by complying to legislation that is being enforced by the Zambian Government It is our responsibility to effectively make use of our water in order to protect this resource which is slowly becoming scarce. **(Lombe)**

MINING AWARDS GIVING CEREMONY FOR OUTSTANDING PERFORMANCE



THERE IS TOMORROW (FOOD FOR THOUGHT PART ONE)

Life is like a moving wheel, sometimes you are up and at other times you are down. Sometimes we destroy the bridges that we might need to help us cross back tomorrow. We sometimes act as though we will never need help from anyone. Whenever you are dealing with people, you must always remember that there is tomorrow. You may end up needing help from people who are asking you for help today, so help as much as you can. Remember there's tomorrow.

A reflection on the story of Joseph from the Bible, Joseph helped the cupbearer in prison and later the cupbearer connected Joseph with Pharaoh. From the Bible story one can imagine how Potiphar's wife felt when she heard that Joseph was now the Governor of Egypt, after she had falsely accused him. Remember that the brother who sold Joseph away, ended up being fed by him. Don't ever think of going to extremes with your offenders, they might be your rescuers tomorrow. The little help you give to people today, will profit you tomorrow. May the good Lord touch your heart to live your life knowing that there is tomorrow. In everything you do, always remember that, there is tomorrow. **(Patrick Zyambo)**

HOW TECHNOLOGY IS EVOLVING IN THE MINING SECTOR

Here is an overview of just a handful of new technological developments, broken down into four categories **Technology in Mining Increases Operational Efficiency**; As in all sectors, the optimal use of data in the mining sector is imperative in a fast-paced and competitive market, and innovative data management platforms are creating better ways to manage, store and make sense of mining data.



Technology in Mining Reduces Costs; Using innovative satellite and imaging technology through the use of devices like drones, various technology companies offer the ability to source minerals without the need for cost-intensive exploration. **Technology in the Mining Sector Increases Sustainability**; Mining is the foundation of current technological developments, but it is also an environmentally destructive process when not managed properly. To make sure that mines are not making use of toxic chemicals to process minerals, various applications are on the market which use an environmentally friendly electro-chemical process to extract minerals from ores. **Technology in the Mining Sector Ensures Safety**; Safety underground is a massive and ongoing concern, especially as mines continue to need to dig deeper to access valuable ore bodies. Planning is a huge part of making sure that miners are safe underground, and this is where innovative developments in Augmented Reality (AR) and Virtual Reality (VR) are playing a key role. In particular, Llama Zoo has created an application called Mine Life VR, which brings together fragmented data sources into a centralised platform, and allows all mine stakeholders an accurate view of a mine through VR technology, and plan for safety concerns accordingly. **(Decline Milimo)**

THE 90 DAYS' RE-START KICKED IN ON 01ST JUNE 2019;

As mobile maintenance, our biggest Customers are: Mining Operation and Process plant. The potential risks that may hinder us achieving target have been identified and we have put a mitigation plan in place. For seamless business within 90 days and beyond, we shall ensure that the EPIROC account is diligently managed.



Adequate stock of Tyres for the production fleet and that all support production equipment is readily available. **(Francis Kapembwa)**