



► MINES

Capacity building

By Elynafsi

Tenke Fungurume Mining is relentlessly pursuing its vision, that of enhancing and strengthening the organizational and professional skills of its personnel. That is why engineer Christian Bajani and geologist Robert North attended a seminar on Minesight software applications that took place June 1-2, 2010 in Namibia.

Minesight

Engineer Bajani explains: "Minesight provides assistance in block modeling (designing and managing a 3D block on all stratigraphic aspects, designing surface models) for Exploration; in designs creation, planning (long and short term), production management (design of drilling elements, grades daily monitoring, long Range Model and short Range

Model reconciliation, Truck Count, and Long Range (Engineering)."

Importance

One of the biggest issues in a mine is to determine the precise destination of every type of material mined in order to maximize the resource. If the destinations are properly defined, the economic ore is processed and there is less waste. A wide variety of materials with inconsistently distributed useful ore makes the task quite difficult. This justifies the existence of an ore control system in a mining company inasmuch as it helps monitor the plant feed.

Tenke Fungurume Mining Control System

To determine the grade of blocks in a block model, and draw the final destinations polygons, we use trenches and blast holes design and send the cuttings (samples) to the laboratory for analysis. We use the ore control system

which is a combination of two major systems :

The Data Flow Process Acquire, which is the interface. Acquire and LIMS (Lab Information Management System) are used to populate the Acquire database with information. The Acquire interface handles the geological and topographical information; the LIMS populates the Acquire database with samples analysis results.

The Data Flow Process Minesight is a Minesight interface. Blast Pattern Design, Interactive Planner (IP Polygons, Compass Multiruns, Python scripts, Drillhole view - Acquire/Minesight) are used to determine the final destination for every material mined according to their cut off grade.

The company is planning to continue the training programs for employees. ■



► PROCESS

PROCESS CONTROL SYSTEM

By Elynafsi

Nowadays, it is very common to see how hydro-metallurgical plants, just like Kwatebala, run with an unimaginable ease in the industrial world compared to half a century ago.

One of the reasons for that is the Process Control System service, which is a great asset in the management and maintenance of the instruments

circuits necessary for the metallurgical processing of copper, cobalt and the production of acid.

All the circuit is monitored by a centralized instrument system at the Process Control System level.

In Process, this IT department unit oversees computers, servers, networks, etc. and handles the maintenance of all instruments, plant video surveillance, fire safety system and process information.

Very soon, TFM sites access control system will be under the oversight of the Process Control System, which is under the responsibility of engineers Christian Tshibangu, Paul Katshiza, and Joseph Muteb. ■



► NON INDUSTRIAL CONSTRUCTION (NIC)

▼ The Builders of the Mikuba Camp

Passionate professionals, skilled painters and artists, dedicated carpenters, motivated plumbers, proven technicians, all, in a single impetus, pursue only one objective – building, completing, and furnishing houses at the Mikuba camp (Bravo camp).

By Elynafsi

"These various projects' achievement is a result of combined efforts by the Non-Industrial Construction

Department (NIC)," said Mikuba Camp construction coordinator Ke Lutumba. Once the design plan is finished in the

mapping office, construction is carried out by masons in compliance with strict safety standards, and within the time

limit.

"After the surveying and earthmoving stage, the masons lay the houses foundations, and raise the walls. Besides, plumbing is geared up, followed by electrical installation.

The builders thereafter proceed to finishing works (plastering, tiling, sidewalks, and drains). Once at that level, the carpenters go to work. They fix the frame, the roof and the ceiling. Also, doors and well distributed windows are installed. Painting is the final stage. It comes along with the provision of kitchen furniture and wardrobes. As the construction is completed, the houses are handed over to the Facilities department", explained Ke Lutumba. ■





► SOCIAL

▼ Sustainable Distribution of Drinking Water in Fungurume

This rather rare commodity in many cities in the DRC is now accessible to all residents of Fungurume.

By Collin Dume

On Thursday, July 29, 2010, TFM reached an important milestone in the eradication of fecal water-related diseases as cholera by fighting against the shortage of drinking water. In partnership with and in response to a request from the DRC authorities and the residents of Fungurume, TFM of-

ficially launched the connection of more than 40 tanks from 5,000 liters each to a water supply system. These terminals

scattered in all corners of Fungurume for drinking water in the city will be directly filled with spring water (there is an 80 m well drilled by TFM) with

pipes installed for this occasion.

This project falls under a program called "healthier villages, healthy water" initiated by the Government of the DRC. The goal is for 80% of the population to have access to drinking water, 80% of households to use a hygienic latrine, 70% of the population to understand the

process of diseases transmission from fecal peril and means of prevention. To link the useful with the pleasant, TFM has also assisted the Fungurume population in the construction of 2,300 hygienic latrines.

The recipient community's involvement will be crucial for the sustainability of these structures, needless to say that it is for the community's interest. "We are very pleased to supply Fungurume population and its authorities with a sustainable water supply system," said Richard Robinson, Social Department manager.

Madame Chef de Cité de Fungurume as well as the chief medical officer of the health zone welcomed the work of TFM in improving sanitary conditions of the population living in the Dipeta and surrounding areas. ■

offered.

On the seniors' side, the "**Jeunes congolais**" team won the cup. Clementine Lutanda, the Fungurume Chef de Cité, presented the various trophies and prizes to all teams who competed in this tournament. Among the awards, soccer balls were distributed to the teams.

Other soccer games were organized a week later, and the company donated soccer balls to schools, youth and veteran sportsteams. All this was organized by the Social Department community liaison unit. ■

► SOCIAL

▼ Community: TFM promotes sports activities



By Yuma

On the occasion of the golden jubilee of the independence of the Democratic Republic of Congo, the Fungurume

sports division organized a soccer tournament. About a dozen teams of different age groups competed with the aim of winning trophies and prizes that Tenke Fungurume Mining Company



► SOCIAL

▼ Health: Training on malaria treatment



By Yuma

As part of the malaria control initiative, a training session supported by TFM Social Department & ISOS was conducted at the TFM Base Camp from July 10 to 14, 2010. Three lab technicians and an entomologist from International SOS attended the training and 23 people from the Fungurume health zone including doctors, nurses and laboratory technicians. The training aimed at building

the capacities of laboratory technicians and healthcare providers in malaria diagnosis and management. The event was technically coordinated by ISOS/TFM.

At the opening session, Dr. Thierry Yav of ISOS/TFM and Dr. John Linus Kalubya of the health zone took turns to speak. They reviewed some basic notions on malaria, and stressed the need to strengthen the action undertaken

already, and to reduce the prevalence of this disease. Broad elements of the national policy for malaria control also were explained to the participants.

Two workshops were then conducted:

The first included nurses and was headed by Dr. Ghyslain Mankan Yav, Provincial Coordinator of the National Program for Malaria Control (PNLP). This group reviewed the various treatments administered for malaria cases. Such treatments are more effective if they are lined up with epidemiological monitoring across the health zone.

The second workshop included laboratory technicians and Dr. Albert Lukuka, head of the parasitological unit at the National Institute for Biomedical Research (INRB). Its task was to present and take some lab practices on some techniques likely to enhance the diagnosis of malaria.

The participants all said that the training enlightened them! ■



► SOCIAL

▼ EDUCATION: Preparation for the admission test to the Technical Institute of Mutoshi (Institut Technique de Mutoshi)

By Yuma

The Institut Technique de Mutoshi (ITM) is a high school owned by Gécamines, a partner company of Tenke Fungurume Mining. It trains A2 technicians in industrial chemistry, electronics and mechanics and A3 technicians in mechanics and metallurgy.

Many young elementary schools graduates dream of studying in this in-

stitute, but few are those who show real ability to pass the admission test.

As part of its education development programs for the communities in the Tenke and Fungurume region, Tenke Fungurume Mining committed to cover school fees at ITM for the students who have completed their elementary education in the six schools of the concession that were under ALBA

management.

To ensure that things are done right, a team of supervisors, namely Freddy Kongolo, Didi Kalombo and Chantal Jacques, all three instructors in the Training and Development department, and Miss Claire Gittleman, an intern, prepared candidates for the admission test scheduled for July 20 and 21, 2010 at Fungurume.

Thirty qualifying candidates were shortlisted. After some evaluation tests, 15 students - 10 boys and 5 girls - were selected and went through intensive preparation in order to enhance their knowledge.

The coaches and the students are optimistic about their chance of success in math and French tests! ■



► EXTERNAL RELATIONS

▼ Human Rights

What do you do if you have a concern, a problem or a suggestion at TFM?



Compliance Line
081.558.1948

Lauren Greenberger
081.558.1907

By Lauren Greenberger

If you ever think a policy has been violated or you have a suggestion on how to improve something, do you wonder who you can talk to about it? We encourage an open-door culture at TFM. We should all feel free to openly discuss any questions or concerns we may have about the way we do business.

The first person you should think of

is your supervisor. Ask to meet with him or her when you both have a free moment and can speak freely. Don't delay. The sooner you raise an issue the more quickly and easily it can be resolved.

What do you do if you are not comfortable speaking with your supervisor?

You can go to the next level of management or the manager responsible for the area concerned.

For an employment question you might want to see the Human Resources representative in your department, for an accounting issue, see our local Compliance officer; for a safety matter, contact the Safety manager or the 24 hour call line.

For a labor problem, you can talk to one of our union representatives. If you or a co-worker is being harassed or discriminated against contact our Human Rights Office. Our Legal department will investigate any suspected cases of breaking the law.

All reported concerns will be investigated. You may also be asked to participate in an investigation of an incident reported by a fellow employee. You should help in any way you can without fear of getting into trouble yourself. If you make a report in good faith, even if the concern is determined to be unsubstantiated, you will not be subject to retaliation of any kind.

Open communication is vital to our growth as employees, as a team and as a company. Never hesitate to raise a question. Chances are, someone else has the same concern as you. ■

5

CONTACTS FOR GETTING HELP

Your Supervisor (contact him or her first)

Human Resources

Urbain Tshipeng 081.830.9226
Nelson Kaputo 081.830.9067

HR Department Representatives

Security: Faustin Ilunga 081.701.6521
Mines: Emmanuel Badule 081.701.6606
Process: Nadine Ndakwala 081.618.8106
Administration: Jacques Batubenga 081.830.9064

Union

President: Roger Ndala 081.830.9314
Vice President: Donatien Matabaro 081.701.6453
Secretary: Jean-Pierre Mpoyo 081.173.5706
Secretary Adjoint: Jacques Masudi 081.618.8083

Health and Safety

24/7 Call Line 081.618.8181

Security

Emergency 722
Jean-Robert Durand 081.701.6459

Human Rights

Compliance Line 081.558.1948
Lauren Greenberger 081.558.1907

Legal / Business Practices Compliance
Bérangère Parmly 081.830.9208

FCX Compliance Officers (US)
Dean Falgoust 504-582-4206
Cathy Hardwick 602-366-8363





Rodrigue

39 years old and mother of four children, three boys and one girl, Ruthie Mulubwa is a heavy vehicle driver the Kasembo Transport Ltd Company. As such, she works hard in order to be able to feed her family which is under the care of her younger sister.

command of English and Bemba. She is a long journey driver travelling from Zambia to Botswana, Namibia, the Democratic Republic of Congo and South Africa where she carries various mining products.

“TFM welcomed me very very well, the accommodation is very nice; there are separate bathrooms for women and men”, she said. Working like a man or better is one of her most beautiful dreams. ■

► PORTRAITS

RUTHIE MULUBWA

Ruthie Mulubwa has an impeccable physical endurance, good hand-eye coordination, and a good



► Welcome, Dieudonné NDUWA MUDIKITA!

Last April 2010, Dieudonné Nduwa, seconded by Gécamines, has been appointed to Process.

By Yuma

Dieudonné Nduwa Mudikita, now in his fifties, devoted almost all his life to metallurgy.

After his elementary education in Likasi and his high school in industrial chemistry at Mutoshi Technical School, he graduated as a civil engineer in Metallurgy in 1986 from the University of Lubumbashi. He started his career as a lecturer at the Department of Metallurgy at the same university.

But, his passion for mining was very strong. Hired at Gécamines in 1987 as a process engineer at the Shituru Refinery, he moved to the Acid Division and was later reassigned to the Thermal Division. Head of Department from 1987 to 1992, he worked at the smelter and at the copper and cobalt refinery. He was appointed manager

of the acid plant prior to supervising the limestone, lime and cement plant in Likasi. Later on, he was appointed manager of

Luilu factories in 2003. As a result of his personal effort and his know-how, this unit once again launched its production in 2004. Then, Gécamines management involved him in the ongoing feasibility studies at TFM since 2006. Thanks to this initiative, Dieudonné Nduwa went for training in Australia and the United States at the Freeport-McMoRan plants (Tucson, Phoenix, Salt Lake City, Safford, Las Vegas).

Back home, he was raised to the position as head of Gécamines Central Group Operations manager. Later, he served as department manager for planning, research and development till April 2010.

At that time, Dieudonné NDUWA MUDIKITA, upon the request of Gécamines, was seconded to TFM Process as an expert metallurgist.

Welcome,
Dieudonné NDUWA MUDIKITA! ■

► VISITES

By Lukaji

After a tour around mining companies in Kakanda and Kolwezi, Carole Van Eyll, First Secretary of the Embassy and Economic Advisor at the Embassy of Belgium, came to visit TFM concession on July 8, 2010.

She was particularly interested in the way minerals are processed into finished product. She also expressed her surprise over the size of the concession and the activities being conducted both at the plant and social level.



Visit of the Provincial Minister of Environment



By Elynafsi

Felix Kabange Numbi, accompanied by his cabinet (Chief of Staff, Private Secretary and Provincial

Environmental Coordinator) paid a courtesy visit to TFM concession on July 20, 2010. ■

ANNOUNCEMENTS

► MARRIAGES

Deddy Kandjengo



Deddy Kandjengo Tshinyemba from Maintenance and Deborah Kiama Kenge has finally tied the knot! He was married on July 03. Congratulations !

Fifi & Freddy



Freddy Kyoni from Contract et Fifi Kayakez from Mines has finally tied the knot! He was married on June 26. Congratulations !

► ANNONCES



Miguel Buba, a Warehouse employee and champion of Karate Tradition, will participate in the 13th Africa Team Championship in Cape Town from August 1 to August

8, 2010 and in the 20th World team Championship in Belgrade (Serbia) from October 21 to 30, 2010.

Good luck, Champion!

► PICTURES OF THE MONTH

▼ **Merv likes to make "coffee"**

by Shari Knoerzer

