

RAMU NICKEL Updater



- ↘ First Group of Guests to our Madang Office Complex
- ↘ Second Phase Language and Cultural Training Opened
- ↗ Ramu NiCo Sponsors 2009 Madang Cultural Festival



*One Ramu Nico
One Community*

July - August 2009
Volume 9

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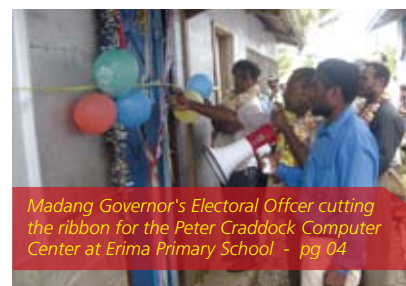
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First Group of Guests to our Madang Office Complex

Madang Governor Sir Arnold Amet and Mineral Resources Authority are both impressed with the ongoing development of the multi million Kina Ramu Nickel Project in Madang Province.

Being the first national leader and provincial head to the Office Complex, Sir Amet was invited by RNML President Madam Luo Shu to see firsthand the office complex before it was officially launched and opened, on Saturday June 25, 2009.

Sir Amet was accompanied by the Chairman of Madang Chamber of Commerce, Stotick Kanya.

Sir Amet was impressed with the office complex which was built at the cost of K28 million and also the latest development on Basamuk refinery site and KBK mine site.

He assured Madam Luo that his administration is readily available to work with RNML.

Madam Luo briefed Sir Amet that the Project construction is on target and stated that RNML is committed to the MOA and so far have built Hope schools, aid posts or clinics and other community impacted projects to improve people's lives.

On Friday August 28, 2009, MRA visited the office complex and was equally impressed with the Project.

"Thank you for inviting us. We manage to come here to see the beautiful building (Madang Office Complex) and hope to



Sir Arnold Amet visited Madang Office Complex

understand more about the project. We are very impressive of the mining project." MRA Board Chairman Mr. Robin Moaina said.

Mr. Gu Yuxiang, Executive Vice President of Ramu NiCo Management (MCC) Limited welcomed the Members. He thanked MRA for the consistent help in the past years and asked for closer working relationship as the Project moves from large scale construction to the commissioning stage.

Dr. James Wang, Chief Technical Director of Ramu NiCo gave a power point presentation on the Project to the MRA Board Members and further commented that Ramu NiCo would like to work closely with MRA and make the project a success for all stakeholders.

On Saturday August 29, 2009, MRA Board



MRA guests with RNML management in Madang Office

members and management team including Robin Moaina, Kepas Wali, Juliana Kubak, Greg Anderson, Steven Maken, and Philip Samar visited Basamuk Refinery Site, accompanied by Dr. James Wang.

Chairman Robin Moaina commended on the significant progress at the Project construction while Dr. Greg Anderson asked Ramu NiCo to carry out wider publicity about the exciting development on the Project. ↗



A panoramic view of Basamuk processing plant on July 28, 2009

Second Phase Language and Cultural Training Opened



Br. Andrew Simpson giving opening remarks



The Second Phase Language and Cultural Training between Divine Word University (DWU) and Ramu NiCo was officially opened July 21, 2009 at the new Ramu NiCo Office Complex, Madang.

Attending the brief ceremony were DWU Vice President (academic) Br. Andrew Simpson, DWU lecturer Mrs. Eunice Messersmith, RNML Chief Technical Director Dr. James Wang, General Manager Human Resource Gu Jianping and other Chinese staff.

The program depicts an ongoing interest by RNML in assisting expatriate employees overcoming language and cultural barriers in working here and living with local community.

The Training Agreement (TA) signed on May 28, 2009 paves way for DWU to plan, design and deliver English language and cultural training programs to Ramu Nickel Project Chinese staff based at Kurumbukari, Basamuk and Madang.

During the opening session, Br. Andrew urged the Chinese staff to realize the importance of language and cultural challenges ahead of them and accommodate them as worthwhile course.

"We are all guests here (PNG) and DWU is glad to involve in this program. We are open to all and here for nation building", Br. Andrew said.

Dr. James Wang applauded the program and stressed that English language is very important for the Project, both as a tool and window to the world given Ramu NiCo's status as a world class mining investor.

Dr. Wang also asked the Chinese staff to learn the PNG Melanesian culture and befriend with the local people for better understanding of each other and mutual support for the success of Ramu Nickel Project.

The Chinese staff working with Ramu Nickel mine in PNG for 12 months or less will learn conversational English for everyday situations and basic PNG culture while those in PNG for more than 12 months will focus on advanced oral English, written English and PNG culture. 

Ramu NiCo Sponsors 2009 Madang Cultural Festival



Ramu NiCo Management (MCC) Limited donated K20,000.00 towards the Madang Provincial Event Council on September 2, 2009 for the upcoming Madang Festival Show.

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Chief Technical Director of RNML Dr. James Wang presented the cheque on behalf of RNML to Stotick Kamyra, Chairman of the Madang Provincial Event Council at the Ramu NiCo Madang Office Complex.

"We are very pleased to be part of the Madang Festival Show," Dr. Wang said.

Governor of Madang Province Hon. Sir Arnold Amet and Mr. Gu Yuxiang, Executive Vice President of Ramu NiCo were present to witness the ceremony. Others included officials from governor's office, board members of the Madang Provincial Event Council and officials from Ramu NiCo.

In his short speech, Mr. Gu emphasized that Ramu NiCo is proud to be part of Madang community to create a harmonious society for all people to live in a friendly and safer environment despite their cultural differences.

Mr. Gu said Ramu NiCo is proud to be community development partner and to work along with the Madang Provincial Government to improve people's livelihood and

thanked the Madang Provincial Government for the support to date.

Mr. Stotick Kamyra thanked Ramu NiCo for the support and for being part of Madang Festival Show. He said the donation by Ramu NiCo will greatly help in ensuring the show to fulfill its ambition of showcasing Madang's unique and diverse culture.

Governor Sir Amet while thanking Ramu NiCo said that his administration is fostering for a long term working relationship with Ramu NiCo for the benefit of the people of Madang.

"Ramu NiCo is here for longer and we have to create a social and economic partnership," Sir Amet said.

Ramu NiCo also took part in the Event Councils' Corporate Dinner Fundraising Friday August 14 with a table worth K1,000.00.

Ramu NiCo donated K10,000.00 in 2008 towards the Madang Cultural Show. ↩

Erima Primary School Opens New Computer Learning Center

Erima Primary School officially opened its new computer learning center and a teacher's house on Friday July 17, 2009.

The School is situated in the Bugati Local Level Government area of Rai Coast District, Madang province.

It is one of the educational institutions situated in a remote area with seldom tangible development. The center is a great bold step forward for parents, citizens and teachers to engage in today's changing technological world.

The renovated computer learning center is fully equipped with eight computer monitors, eight external modems, a main server, and a full kit of solar powered supply equipment.

The computers were complimented with two printers, two scanners, and a photocopy machine worth K15, 000.00 and hooked up with internet.

Madang based Volunteer Services Organization (VSO) donated the equipments as part of a well established and sound partnership program which they have set with the Madang Provincial Education division and Madang government.

The Center was named Peter Craddock Computer Center for his tireless volunteer service with VSO.

The school also witnessed the official opening of a three bedroom teacher's house worth K15, 000.00 also built by Mr. Sauria Malai of the Saia Clan in the Erima area.



Madang Governor's Electoral Officer cutting the ribbon for the Peter Craddock Computer Center at Erima Primary School

This was a community contribution by Mr. Malai's clan to assist with the building of teacher's house as part of the community's ongoing obligation.

Representatives from various invited organizations were present to witness this special occasion including electoral officer of the Governor's office, Madang Provincial Program Advisor for Education, VSO, Ramu NiCo Management (MCC) Ltd, President of the Astrolabe Bay LLG, and Ward 13 Councilor of the Erima community and other guests.

Madang provincial government acknowledges the presence of developers such as the Ramu NiCo Management (MCC) Ltd. for its support as development partners and VSO as a long time partner in educational development.

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New Teacher's house at the Erima Primary School

Culture and Language Difference Pose No Barrier to Help

Despite the cultural and language differences, human beings have the same emotion for each others in any situation in the society in times of need where caring and sharing reign.

The Chinese workers at Basamuk Refinery site with the Oriental Star Construction Ltd encountered an emotional moment when they learnt that one PNG colleague's wife untimely passed-away on July 8 in her delivery complication.

Initiated by Deputy Manager of Resource Factory Mr. Li Shiwei, the Chinese workers volunteered and contributed K526.00 towards the funeral arrangement and the deceased's family.

This was not only a token of goodwill from his Chinese brothers, but also a return of his contribution to the Project.

In an open letter signed by Ward 30 Councilor, Dongemba Dugae on behalf of the Gideon Wiwi and family, he thanked Mr. Li and his staff for the kind gesture in times of sorrow and loss.

"Yours contribution and support towards the haus kraik (funeral) of the late Mrs. Kebas has been appreciated by the Clan plus Tugyag and Dumbal Villages and a whole," the letter stated.

The Membu Clan promised that they will work hard to see the Project reach its production stage.



Gideon Wiwi (front) with Mr. Li Shiwei (right) and other officers at Basamuk camp site

They also promised to work together with their Chinese colleagues in a friendly atmosphere to enable the fruition of the Project and share the success together. ↗

Community Affairs Research Team Conducted Social Impact Survey

The Research Section under the Community Affairs Department of RNML has carried out a 1 month Social Impact Survey study for the four landowner areas of the Ramu Nickel Mine in Madang, July 2009.

The study is required under the Environment Plan of the mining and petroleum industry in Papua New Guinea. As for the Ramu Nickel Project, it initiates a detailed social and economic development study to guide its planning, implementation, and evaluation process on the impact by the project on the people's livelihood.

The study was organized and conducted in collaboration with a private consultant, Nancy Sullivan Social Science Consultancy Ltd which acted as the principal investigator in the findings and analysis with most of the write-ups of the report. RNML Community Affairs officers and casuals trained in data collection methods assisted the consultant.

The report and recommendations including

the analysis and recommendations based on operational outcomes were:

- Community based social research and monitoring on the ground.
- Social risk assessment versus social risk management.
- Design and implementation of intervention programs.
- Ensuring Community Affairs department's management aware of developing trends.
- Development Indications.
- Development associated problems – social risk assessment system needs to be developed and monitored against company's development programs.

Key aims of the study include:

- Census and demographic breakdown of the populace.
- Socio-cultural and health setting.
- Economic and productivity.
- Ascertain the status quo of existing infrastructure (many will be government).
- Obtaining communities' perception towards the Project.

Rapid Rural Appraisal study was carried out in Kurumbukari and Basamuk area respectively on a daily basis depending on the size of each village. In order to experience more of the life of the villages, the Participant Rural Appraisal method was used in the Maigari Inland and Coastal Pipeline areas. ↗

Raibus Security Held First Supervisors Course Graduation Ceremony

17 senior security officers with Raibus Security Services graduated and were issued certificates at the graduation ceremony held on July 3, 2009 following three weeks intensive leadership and supervisors' course.

The Security Management organized the training for its field supervisors to enhance and update them on important tasks and enabling them to make responsible and quality decisions.

Security officers were selected on merits in performance of duties at the highest level of postings. They were brought in from Kurumbukari, Maigari Inland Pipeline, Coastal Pipeline, Basamuk and Madang base.

They comprised of supervisors, senior guards, and officer responsible for the company's dog unit. Fifteen personnel from Raibus Security Services and two from Toligai Security Services jointly had the training conducted and facilitated by Pinda Ratarai Security Training Academy of Lae in Leadership and Management Training.

The program covered leadership principles and its applications, leadership values,

functional leadership, leadership styles, nature and functions of command, command and control, duties and responsibilities of a supervisor, investigation and report writing, use of force, power of search, power of arrest, citizen arrest, fire safety, reporting procedures, introduction to disaster management, parade drill, physical training, character development and basic first aid.

In the Management training, they were taught how to communicate clearly, time management, making decisions, delegating successfully, motivating people, team management, managing meetings, presentation, interview, managing change, and minimizing stress.

This is the first time Raibus Security Services Limited and Toligai Security Services Limited had the joint training. ↩



Mr. Peter Gulom presenting certificate to a graduate while Mr. Bartley looks on



Group photo of the graduating security officers and company officials

Lois Pavey Braving It Out at Basamuk

Lois Kaidang Pavey, 36, a mother of four children who hails from Mindre village of Basamuk, has demonstrated sheer determination and confidence that a female employee working among her male counterparts in the Ramu Nickel Project makes no difference when it comes to serving her people in this great project.

She is certain that the Ramu nickel and cobalt project will be commissioned this year according to her experience and progress of construction here at Basamuk.

Lois has a wealth of experience in the administrative area of work. She has gone as far as grade ten. After that, complementing her certificate she took up short courses mostly in administration. She was once employed by the British American Tobacco, the Consort Shipping and PNG CCI, and also operated her private business to generate income for her family.

When asked about her interaction with her Chinese counterparts she commented that it took a while for her to communicate at first because to every society there are different ways of doing things, so one has to find means and ways to understand the cultural differences and adapt to this new working environment.



“This is what I did at first,” she said, “One of the constraints we encountered was materials delay due to communication barrier. As time went on things gradually changed for better and now I am part of the team who are industriously chipping in to deliver the project on schedule. “A few Papua New Guineans have a sentiment against the Chinese nationals, but seeing is believing, should you come to Basamuk, you must prove it for yourself that they are indeed hard working

and peace loving people,” she remarked.

“If this project was in China I believe it would take shorter time to complete. This is a very challenging project and everybody is down-to-earth and striving for the completion of it. What is really going on the ground is that everyday in Basamuk is changing and these changes come with hope and confidence that promises a successful delivery of the project.”

Lois is now in charge of 100 skilled Papua New Guinean steel fixing workers, welders, brick layers and plasterers brought in from Lae and Madang. This was made possible through Basamuk LOA to assist the construction contractor JT PNG Ramu Construction in identifying skilled and qualified PNG nationals for the fast tracking of construction on site. She is very proud of her staff, and the Chinese supervisors are happy with her performance as well.

She has been working around the clock to manage her staff affairs and ensure that they are well cared for. Lois, as a female working in a male dominated environment, has some advice for those women who feel that there is no hope for them in such an industry like this, “Be strong, Do what you want to do, Don’t worry too much, and Set your goals and go for it,” she said boldly.

Her great concern is that safety must be a priority whether it is at the construction site, accommodation area or on the road. “Safety is very important. We all have to work hard to deliver this project on schedule and at the end of the day we will all be proud that we have achieved a milestone,” she concluded. ↩



Tropical Marine Baseline Survey Report 2009 Successfully Completed

In July 2009, the CSIRO submitted the final report of the baseline assessment on the status of the tropical marine benthic and pelagic communities adjacent to and distant from the refinery site at Basamuk. The report provides abundant baseline data for future long term survey of marine environment after the production of Ramu Nickel project.

In Feb 2009, Ramu NiCo contracted CSIRO to undertake a marine baseline study to allow for an effective and statistically credible assessment of possible future mine impacts on marine habitats, populations and communities. The baseline assessment comprises comparisons of the abundance, diversity and trace metal concentrations of shallow-water, deep-water and pelagic fish populations and zooplankton, the composition of near-shore habitats between sites adjacent to and distant from the mine outfall at Basamuk Bay. In July 2009, the CSIRO had submitted its general report and made the following conclusions:

- No strong evidence of differences in zooplankton abundance, biomass or diversity between 5 regions closer to the refinery. The monitoring of upper and lower reaches of tailings outfall has been established for the comparison of marine biomass and environment changes prior to and after refinery production.
- No strong evidence of differences with depth, but this may be very different in the dry season, and it will also be important to monitor once the tailings outfall is operational, as it is not known how this will be transported in the water mass;
- Deeper samples (near the outfall depth) may be particularly useful for trace metal samples, as they will be important baseline data for future comparison with data to be collected in production phase;
- Seabed profiling in the dry season would be useful to determine if thermoclines become more consistent or are still highly variable;
- No strong evidence of differences in zooplankton abundance and diversity between night and day samples, but future



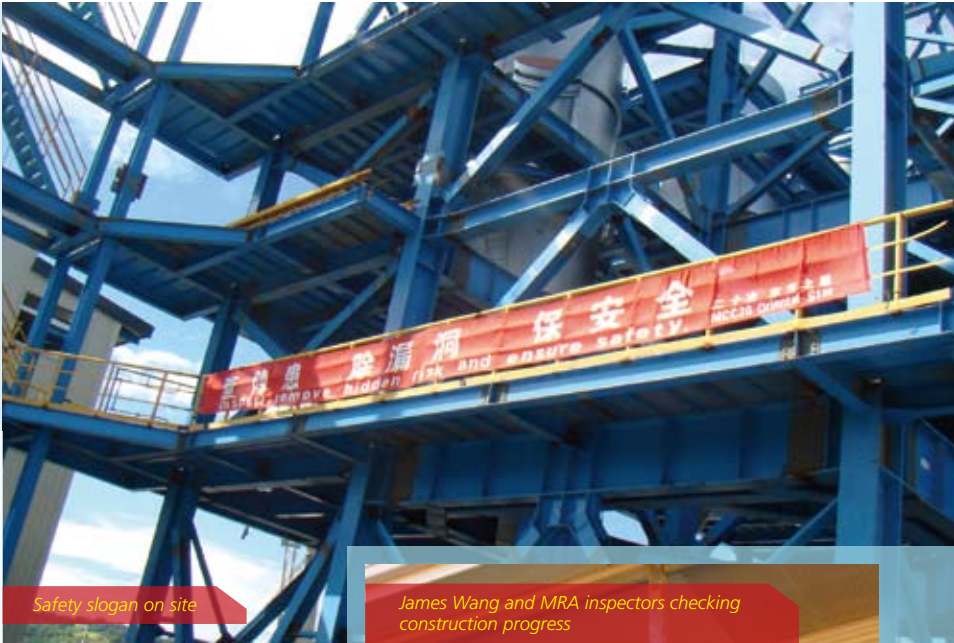
sampling near the mine site would be prudent to determine if zooplankton bring trace metals from deep to the surface;

- The levels of copper, zinc, arsenic, chromium and manganese in the zooplankton samples were all well above the ANZFA GELs. Levels of arsenic, chromium, manganese, cobalt, nickel, copper and mercury were consistent among the zooplankton samples taken. In contrast, levels of lead, zinc, antimony, cadmium and silver were variable among the samples taken.

Besides, long term monitoring of project area marine environment will be established between RNML and CSIRO. RNML will be substantially prepared for the environment survey and monitoring of the whole project area of Ramu Nickel Project. ↗



RNML Actively Engaged in Site HSE Improvements



Safety slogan on site



Ensuring safety at heights works



James Wang and MRA inspectors checking construction progress



Walkway and barricades at De-agglomeration Plant



Four of the newly acquired mine trucks at Butua Mine camp site in Kurumbukari

Test of Mining Equipment at Butua

Ramu Nickel Project has put to trial its new mining equipment June 28, 2009 at Butua, Kurumbukari in preparation for mining activities starting next year.

The trial mining involved 4 Volvo A40E mining articulated trucks, 2 Komatsu Bulldozers and 2 Liebherr Hydraulic excavators.

According to RNML mine management team at Butua, this test is an important part of its overall preparation for mining which is scheduled early next year. Alongside this is the initiation of training of national and expatriate operators of the mining equipment, which is well under way.

Most of the major construction works at the Butua Mine site has been completed according to schedule set by RNML and its contractors. Strip Mining techniques and process will be adopted in extracting the minerals, and later stockpiled to enable adequate ore to feed the mine processing plant.

Plan for temporary stockpile before the actual strip mining activity began at the first portion of the mining lease area. [K](#)



Video training



Progress Report

ABOUT RAMU NICKEL UPDATER

We welcome feedback and encourage contributions. Please send your contributions to:

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The Editor reserves the right to hold back any contribution thought to be unsuitable.

KBK mine site beneficiation plant



This is the progress report for July and August of 2009

KBK mine site:

- One oil separation tank of power plant lubricant oil station and power plant floor backfilling completed.
- Electric installation for power plant 10KV power distribution room complete, suspended ceiling and 40% ground tile complete.
- Concrete pouring for the topping at the height of 4.00 m at chromite removal plant complete, and power distribution room jack box and transformer installed.
- De-agglomeration plant residue storage foundation complete.
- Thickening plant residue removal screen and funnel installed.
- Beneficiation plant area integrated pipe network valve wells and manholes under construction, and foundation for electric works supporting is complete.
- Power plant area road base constructed.
- De-agglomeration plant run of mine bin complete; retaining wall body at the elevation height of 20.48m-22.50m constructed; 1 table feeder installed.
- De-agglomeration plant integrated pipe network 200 meter PE pipes constructed.
- Permanent accommodation area B-3 house indoor ground tile and outdoor baluster complete; B-5 house foundation and puncheon complete; B-6 house foundation complete; B-2 house 1st floor framework complete.

Basamuk refinery plant:

- HPAL 3# equipment and all structural steel installation complete.
- HPAL 3# thickener foundation rebar complete; cutting pile and concrete pouring of bedding course for 2# thickener complete; concrete pouring of HPAL 2# storage tank complete.

- CCD 6# tamping and concrete pouring of bedding course complete.
- CCD 1# and 4# welding near completion and CCD 7# bottom slab welding completed.
- Thickening and separation of Fe& Al removal 3# radial girder adjusted; 2# pillar 50% complete; 1# bed mortar complete and central pillar installed.
- Installation of 4 non-standard equipment of the washing and filtering of Fe& Al removal residue completed.
- Leveling of the courtyard of comprehensive office building is complete; the pouring of concrete road, 2nd floor suspended ceiling and guard fence, and scraping-wall greasy powder are complete.
- 10kv high voltage power distribution room transformer installed, and low voltage cabinet is being installed.
- Low voltage cabinet of slurry area high voltage power distribution room is being installed. Transformer installation complete.
- Slurry treatment 3# and 4# bottom slab installed, and concrete pouring of slurry neutralization 4# podium is complete.
- Electric installation of water in-taking purification station completed, and bulge test for water pipe to refinery overhead water tank started.
- Installation and debugging for black start of power plant complete and ready for power generation.
- Boiler house chimney installation finished.
- 50% of the foundation of filtration and packing plant of nickel and cobalt hydroxide precipitation completed.

Slurry pipeline:

- All slurry pipelines welding completed.
- Cable laying for 18 km slurry pipes complete. ↩