

## ACTION ITEMS FROM MEETING OF 4, 5 & 6 OCTOBER 1999

### **ATTENDEES (MEMBERS) :**

Mel Togolo - Acting Chairperson & Placer  
Gerard Saleu - NGO (Institute of Medical Research)  
Michael Rae - NGO (World Wide Fund for Nature)  
Evert van den Brand - Porgera Joint Venture  
Steward Serawe - Foundation for People & Community Development Inc  
(Alternate Member)  
Lester Seri - Conservation Melanesia Inc  
Bob Pidgeon - ERISS (Alternate Member)  
Dr Michael Rynkiewich - Melanesian Institute (Alternate Member)  
Michael Kiap - PNG Government Adviser (UNITECH)

### **APOLOGIES**

Ani Toporua - PNG Government (DMR)  
Pawa Limu - PNG Government (OEC)  
Graeme Batley - CSIRO  
Yati Bun - Foundation for People & Community Development

### **REGULAR OBSERVERS:**

Russell Barwick - Placer Niugini Limited  
Hugh Wilson - Porgera Joint Venture

### **INVITED OBSERVERS:**

Tim Omundsen - Porgera Joint Venture  
Mike Manning - Institute of National Affairs (2 Oct only)  
Paul Gilding - ECOS Corporation

It was agreed by the meeting that Mel Togolo would act as Chairperson of the meeting. Russell Barwick advised the meeting that the new proposed chairperson was to join the trip to Porgera but unfortunately due to circumstances beyond his control, he was unable to attend. Arrangements will be made for him to meet with PNG PEAK members before the next meeting.

The chairperson opened the meeting at 2.30 PM on Monday 4 October 1999 at the Porgera Mine conference room.

### **AGENDA ITEM 1 - INTRODUCTION / APOLOGIES**

At the request of the chairperson all present introduced themselves. Apologies were accepted from Yati Bun, Ani Toporua, Pawa Limu and Graeme Batley.

### **AGENDA ITEM 2 - NOTES OF PREVIOUS MEETINGS**

Notes of the previous meeting of the 12, 13 and 14 April 1999 were approved.

### **AGENDA ITEM 3 - ACTION ITEMS / MATTERS ARISING**

#### *Item 1*

New NGO Representative

Yati Bun of the Foundation for People and Community Development and Lester Seri of Conservation Melanesia have agreed to join PEAK.

ICRAF position on membership is still unclear.

#### *Item 2*

Sediment Build-Up

Evert van den Brand has made contact with Dr Wolf. Discussions on the study will take place with Dr Wolf at which time he will advise if he will undertake the study.

ACTION: Evert van den Brand to action.

Sago Program

Michael Kiap submitted a costing to PJV on a sago-monitoring program to PJV. A request was made by PJV for a proposal and work program. This has not yet been supplied. Discussions will be held with PJV environment and Michael on the 7 October to decide on an acceptable program.

ACTION: Matthew Kawei, Tim Omundsen & Michael Kiap to action.

#### *Item 4*

PEAK Web-site

The PEAK web-site [www.peak-pjv.com](http://www.peak-pjv.com) is now active (Bob Pidgeon advised he had been unable to access it). Members should visit the web-site to update their biographies. Contact for the web site is Ian Williams ([ian\\_williams@placerdome.com](mailto:ian_williams@placerdome.com) or phone 02 9256 3830) or Renee Rimington ([renee\\_rimington@placerdome.com](mailto:renee_rimington@placerdome.com) or phone 02 9256 3831) of the PDAP office in Sydney. Mailing address for the Sydney office is: GPO Box 4315, Sydney, NSW 2001, Australia.

It was agreed by the committee that they would prefer a hot mail type address rather than a placerdome one for feedback on the web-site.

ACTION: Mel Togolo and Renee Rimington to action.

#### *Item 5*

##### Permission of Participating Organisations

All contributing web-sites were to be connected to the PEAK web-site via a hyper-link. Participating organisations are required to give their permission for this to occur. To date there has been no feedback. It is important to get this approval from your organisations.

ACTION: All members to action.

#### *Item 6*

##### Biographical Questionnaire

Members profile is required on PEAK web-site. Some members are still required to complete their biographical questionnaires and submit them to Ian Williams as soon as possible on [ian\\_williams@placerdome.com](mailto:ian_williams@placerdome.com) with a copy to Mel Togolo on [mel\\_togolo@placerdome.com](mailto:mel_togolo@placerdome.com).

ACTION: All members to action

#### *Item 7*

##### Haemorrhagic Fever

The section of the report held by the PJV Community Affairs Department by two anthropologists on Haemorrhagic fever in the Paiela area was distributed to the komiti at the meeting. This report is attached to the minutes.

#### *Item 8*

##### Report on Haemorrhagic Fever

Gerard Saleu visited Porgera and discussed the situation with Dr Jethro Usurup. Unfortunately bad weather at Porgera limited his work. Gerard advised that he was not convinced after studying the available data that the outbreak is haemorrhagic fever.

Gerard hopes to return to Porgera when he obtains the necessary approvals, hopefully in the next month to continue his studies of the problem in conjunction with Dr Jethro Usurup.

ACTION: Gerard Saleu and Dr Jethro Usurup to action.

#### *Item 9*

##### IMR and WHO Health Projects

Discussions to continue between IMR, WHO and PJV on the possibility of a partnership in implementing health projects in the Strickland and Lake Murray areas.

ACTION: Evert van den Brand and Gerard Saleu to action.

#### *Item 10*

##### CSIRO Recommendations

The revised matrix on the CSIRO recommendations was distributed to all members at the meeting (copy of matrix attached to minutes). It was requested that feedback be provided to Matthew Kawei as soon as possible

(latest to be 15 November) so the document can be finalised. Matthew can be contacted on the following e-mail addresses: [matthew\\_kawei@placerdome.com](mailto:matthew_kawei@placerdome.com) and [hmkawei@datec.com.pg](mailto:hmkawei@datec.com.pg).

ACTION: All members and Matthew Kawei to action.

#### *Item 11*

##### Sub-Committees

It was agreed the sub committees needed to meet more regularly either in person or by telephone. Members of the sub-committees agreed to make alternates available if they were unavailable.

People to be nominated:

##### Community Consultation

Gerard Saleu

Michael Rae / alternate from PNG WWF

Michael Kiap

Lester Seri

Roland Seib / Dr Michael Rynkiewich

Gerard Saleu proposed as coordinator.

##### Mine Technical Issues

Michael Kiap (coordinator)

Pawa Limu

Graeme Bately

Ani Topurua

Dr Max Finlayson / Bob Pidgeon

ACTION: All members to action.

#### *Item 13*

##### Community Consultation

A contingent of councilors and landowners from Lake Murray visited the mine site in July. Feedback from the visitors was that they found the visit very informative and it had increased their understanding of the mine operations. The PJV media unit recorded the visit and a video clip was shown on the Porgera Roundup television program.

To improve PEAK community consultation, on all future trips down river by PJV Environment or Community Affairs, invitations will be made for PEAK members from the community consultative sub-committee to also take part on an available space basis.

#### *Item 14*

##### Review of Landowner Questions

Answers have been provided to concerns and questions raised by landowners

from the last meeting at Lake Murray and Nomad. The answers are to be distributed to the communities by the Community Affairs on their next visit to the area.

Copies of the questions and answers are attached to these minutes.

*Item 15*

Geotech Study Presentation

A presentation was made by PJV staff at this meeting. The presentation was well received with good interaction between PEAK members and PJV staff. The slides presented are attached.

*Item 16*

Replacement pages for Annual Environmental Report 1998

Replacement pages for the 1998 annual report have been made available to all members.

*Item 17 (new)*

Impact of the 1997 PNG Drought

It was recommended PJV obtain all relevant information on the 1997 drought in PNG.

ACTION: Tim Omundsen and Russell Barwick to action.

*Item 18 (new)*

Signature - Mine Derived Sediment

Three CSIRO reports on the signature of mine derived sediment are to be provided to PJV in December. These reports will be made available to PEAK at the next meeting in Port Moresby.

ACTION: Tim Omundsen and David Yok to action.

*Item 19 (new)*

PEAK Annual Report 1999

Mel Togolo will circulate a draft PEAK annual report for 1999 to all members for their input by mid November 1999. Members have until mid December to advise Mel of their comments so the report can be put on the web-site in January.

ACTION: Mel Togolo and all members to action.

*Item 20 (new)*

Possible Improvements to Environmental Reporting

Three suggestions were made to improve the PJV six monthly annual report, graphs should show a full year of data (i.e. June 98 to June 99) so trends can be observed, hydrology data should be included in the graphs of metal concentrations and that dot graphs be replaced with box graphs to compare with compliance criteria. It was agreed the technical committee should

evaluate these suggestions.

ACTION: Michael Kiap and Technical Sub-Committee to action.

*Item 21*

Travel Arrangements for PEAK Members

Problems have been encountered by PEAK members with PNG immigration requirements regarding the need to hold return tickets. Problems have also been encountered with issuing tickets in Goroka. From now on PJV to organise transport and a standard letter with the agenda and emergency phone numbers.

ACTION: Evert van den Brand and Tim Omundsen to action.

**AGENDA ITEM 4 - STATUS REPORT ON ENVIRONMENTAL PERFORMANCE:**

Copies of the PJV Six Monthly Environmental Report, 1 January to 30 June 1999 were made available to PEAK at the meeting. Comments, queries or suggestions to improve the report would be welcome.

During the period, monitoring has been routine with all recorded values being in compliance with government criteria.

**AGENDA ITEM 4.1 - CSIRO RECOMMENDATIONS AND IMPLEMENTATION (ACTION PLAN)**

The revised matrix on the CSIRO recommendations was made available to all PEAK members. Feedback has been requested by the 15 November. A copy of the matrix is attached to these minutes. This subject has also been included in Action Item 10.

**AGENDA ITEM 4.2 - OPERATIONAL PERFORMANCE**

Evert van den Brand gave an overview of mine operations over the period.

The year started with low production due to the transition from the stage 2 to stage 3 pit. Overburden had to be removed before ore could be accessed. This meant that a considerable amount of lower grade ore from stockpiles had to be treated rather than higher grade ore from the pit during the first six months of the year.

Production picked up in the 3rd quarter as high-grade ore became available from the pit and monthly gold production exceeded 80,000 ounces per month. Gold prices have also begun to improve. The mine needs to make a profit to fund many community projects.

An occupational health audit was carried out on all aspects of the mining operation that could be measured. There were 2 LTI's (lost time injuries) during August and a total of 4 for the year. During March 1999 the mine reached a significant milestone, 3 million man-hours without a LTI. For this achievement the mine received a special safety award from the President of Placer Dome which was presented at the mine. To promote healthy living the mine messes now offer the option of a low fat diet to residents.

There has been increased social unrest in the Laigam area, which has been mainly politically motivated. Roadblocks and truck hijacking have become common in this area.

A tunnel is being driven below the final pit depth to de-water the pit rather than pumping. A new stable waste dump is being planned for Yakatabari. This dump is below the present pit level and has the potential to save the operation money, as the haul will be mostly down hill and be a shorter distance than hauling waste to Kogai dump. The Yakatabari dump would be on the existing SML. Landowners would need to give up some land and negotiations with them are at an advanced stage.

The new town at Paiam is progressing with 10 houses for PJV, PMC and PDA presently under construction. Another 20 houses should be completed in February. Due to the low gold price the continuation of the Paiam road-sealing program has been deferred until 2000. The Paiam hospital is operating and charging patients a fee for treatment.

An internal DNV audit of safety and environment will be carried out this month with an external audit planned for the 1st quarter of 2000.

Hugh Wilson has resigned as Environmental Superintendent and Tim Omundsen will replace him effective 1 December.

#### **AGENDA ITEM 4.3 - BRIEFINGS (AS REQUIRED)**

##### **AGENDA ITEM 4.3.1 - GEOTECHNICAL PRESENTATION ON THE STABLE DUMPS**

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Trish Murison, PJV Senior Geotech Engineer, gave a presentation on the geotechnics of the Porgera stable waste dumps to the komiti. Copies of her slides are attached.

The Porgera stable waste dumps are designed for 500-1000 years, and because of their foundation improvements would in fact be more stable than similar natural areas. Re-vegetation trials of waste dumps are presently underway. Forests will be replaced with replanted forest above 2,400 meters, as gardens are not practical above this elevation. When the trials are completed and areas are available to show to landowners, consultation will be held with landowners input to decide on final re-vegetation plans.

#### **AGENDA ITEM 4.3.2 - SEDIMENT MONITORING / TRANSPORT PROGRAM**

David Yok of the PJV Environmental Department gave an overview of the sediment monitoring / transport program, as reported in the six monthly environmental report. Copies of the slides for this presentation are attached to the minutes.

It is estimated that 50% of the suspended sediment derived from the mine is from tailing and 50% is from the erodible dumps. It is fairly certain that the tailing is carried in suspension all the way to the Fly River delta. A portion of the suspended sediment derived from the erodible dumps is temporarily settling in the Strickland River system, but it is not certain for how long it remains.

#### **AGENDA ITEM 4.3.3 - TOUR OF THE PAIAM TOWNSITE**

The PEAK Komiti received a briefing and toured the Paiam townsite with Don Flanagan and Alan Carpenter on the morning of Wednesday, 6 October.

#### **AGENDA ITEM 4.3.4 - PRESENTATION ON SUSTAINABILITY PLAN FOR THE PORGERA VALLEY**

A presentation was given to the Komiti by Greg McNee of the PJV Community Affairs Department on the Porgera District Plan. The plan involves the Government, Landowners and the PJV and builds on existing structures. Baseline data is used for planning and to satisfy the needs of all stakeholders, information and access will be available for all.

The sectors of the plan are based on the following pillars: Justice, Health, Education, Infrastructure, Primary Industries and Service and Industry. The pillars together equal "Community Development". . At present the education pillar has been completed.

Each pillar will be monitored every two years, followed by evaluation and revision of the plan.

The ultimate aim of the plan is to enable communities to take responsibility for their own development.

### **AGENDA ITEM 5 - COMMUNITY CONSULTATION**

The komiti visited Aluni Village in the Southern Highlands Province and Gaua Village in the West Sepik Province. Both villages are situated high above the Strickland River. Community meetings were held at both villages.

Some concern was raised that the komiti had visited the Lake Murray / Nomad area last year and had at that time agreed to answer questions raised by villagers at community meetings. Answers to the questions have been written and Community Affairs Department will distribute these on their next patrol to the area. A copy of the questions and answers is attached to the minutes. Also see Action Item 15.

To improve PEAK community consultation down river, on all future trips down the river by PJV Environment or Community Affairs, invitations will be sent to PEAK members to also take part (provided space is available). Also see Action Item 14.

### **AGENDA ITEM 6 - RECOMMENDATIONS TO PJV**

PJV to obtain the reports on where the Porgera mine derived sediment is settling (Porgera's mine derived sediment signature). See Action Item 18.

Three suggestions were made to improve the PJV six monthly annual report. It was suggested graphs should show a full year of data (i.e. June 98 to June 99) so trends can be observed, hydrology data should be included in the graphs of metal concentrations and that dot graphs be replaced with box graphs to compare with compliance criteria. It was agreed the technical committee should evaluate these suggestions. See Action Item 20.

## **AGENDA ITEM 7 - PEAK REPORTING**

The 1999 PEAK annual report is due to go on the web-site in March. Mel Togolo will circulate a draft report in mid November to all PEAK members for their input. See Action Item 19.

## **AGENDA ITEM 8 - ADMINISTRATIVE ISSUES**

If PEAK members are travelling out of PNG on the PJV charter they require a letter from PJV advising PNG Immigration of this otherwise they require return tickets to Australia to obtain entry to PNG.

Gerard Saleu is having trouble having his airline tickets issued in Goroka. Gerard was advised to contact the Placer Niugini office in Port Moresby if this occurs again, as communications are difficult with Porgera. See Action Item 21.

## **AGENDA ITEM 9 - OTHER BUSINESS**

Hugh Wilson advised the komiti that he had enjoyed his time working with PEAK and that he had learnt a lot being involved in such an organisation. Hugh advised the komiti that he considered there was real value in a group such as PEAK and that Placer had broken new ground in forming PEAK. Hugh concluded by thanking the komiti and saying he had found value in his time in PNG and that he had enjoyed working closely with Papua New Guineans.

Michael Rae responded to Hugh on behalf of the komiti by saying they had valued Hugh's input to PEAK and that through the early stages of the komiti when things were difficult Hugh had never lost his sense of humor. Michael concluded by thanking Hugh and wishing him all the best in Canada.

Michael Kiap advised that Professor Rod Little was giving a presentation on the 12 October at Lae Unitech on GPS methods to determine earth crust movements to aid in earthquake prediction. Michael thought some of these techniques may be applicable to remote sensing of sediment movements from the Porgera mine.

## **AGENDA ITEM 10 - FUTURE MEETINGS**

The next meeting was set for the afternoon of Monday 21 and Tuesday 22 February in Port Moresby.

**ATTACHMENTS :**

1. Anthropologists Report - Section on Haemorrhagic Fever in the Paiela area.
2. PEAK Questions and Answers to communities in the Lake Murray - Nomad area.
3. Geotechnics of Stable Waste Dumps - copy of slides.
4. Matrix of CSIRO recommendations.
5. Sediment Transport Issues - copy of slides.