



Teaching Showcase 11 November 2009

Buyat Bay: a cross faculty online role play

team



Public Health

- Alison Rutherford (CC)
- Sophie di Corpo

EnRole project

Elizabeth Rosser, UNSW

Elizabeth Devonshire, USyd

Robert McLaughlan, UTS

Mining Engineering

- David Laurence (CC)
- Chris Daly
- Carol Russell
- John Paul Posada

structure

Public Health

- Environmental Health
- 12 week ext 6U course

Mining Engineering

- Environmental Management
- 7 week ext 6U course

7 weeks in Semester 2 2009
50% course marks
Identical assessment
~20 students per group

setting

Based on real life events of mine in Indonesia



Additional and fictitious material added – mine to reopen

Aim: to gain a greater appreciation of inter-disciplinary perspectives to inform your professional practice.

Image: http://www.greengrants.org/photos/pr_206.jpg,
http://newsimg.bbc.co.uk/media/images/41376000/jpg/_41376983_buyat_203.jpg

Learning outcomes



- Evaluate the perspectives of key stakeholders from both mining and environmental health
- Work as an effective member of a team to collaborate with other health and mining professionals.
- Apply technical skills to critically evaluate data used for decision-making
- Synthesise the various legal, political, religious and social influences and impacts on decisions about mine management, environmental sustainability and public health.

principles informing design

aiming to motivate students

- **Authentic, problem based**
- 'State of **perplexity**' (Dewey)
that fosters problem involvement
- **Collaborative learning** and **reflective thinking**

develop scenarios that

- Address **diversity** of our students
- Embed **graduate capabilities** within learning activities and assessments
- Provide opportunities for students to **share their own experiences**

roles



main stages of role play

Individual

- Adopting role
- Exploring background and other information
- Preparing and posting a Preliminary Role Response

□ **Debrief**

Group work

- Preparing and posting Stakeholder Position Statement
- Participating in 2 week Public Forum

□ **Debrief**

Stage 1
Briefing
Week 1-3

- **Individual in MyeLearning VISTA**
- Rules of engagement
- Background Briefing
- Research and get into role
- **Prepare and post Preliminary Role Response by 3 August**

Stage 2
Peer
Consultation
Week 3-4

- **Stakeholder Teams in MyeLearning VISTA**
- Review other role responses from your team
- Participate in peer discussions to formulate stakeholder views and strategy
- Prepare **Stakeholder Position Statement** for the Buyat Bay Public Forum

Stage 3
Buyat Bay
Public Forum
Week 5-6

- **Public Forum in MOODLE**
- **Stakeholder Teams Post Stakeholder Position Statement by August 17**
- Actively participate in discussion and debate
- Make recommendations

Stage 4
Debriefing
Week 7

- **Stakeholder Teams Debrief**
- Discussion to debrief learning in **MyeLearning VISTA**
- **Debrief Summary to be posted by 7 September to MOODLE**

You are currently on: Home Page

Home

PHCM9612 Environmental Health >>>

Semester 2 T2 2009 - School of Public Health and Community Medicine



Start Here

All you have to do to get started including details of each of the online activities can be found here.



Course Resources

Your Course Notes and Readings, Guide and Information on Using V



CATEI Evaluation

Please login to your Student Profile at myUNSW and click on the CATEI icon to view your course evaluation forms.



Buyat Bay

Table of Contents for Buyat Bay Scenario

- 1. Introduction
- 2. Process
- 3. Assessment
- 4. Background
- 5. Buyat Bay Video (30 min.)
- 6. Guidelines
- 7. Group Work
- 8. Mining Students: Roles
- 9. Public Health Students: Roles
- 12. Public Health Specialist
- 16. Public Health Specialist

Public Health Students: Roles>>>

PHCM9612 Environmental Health

PUBLIC HEALTH SPECIALIST



You have recently completed your Masters of Public Health at the University of NSW and have gone on to a position as the Director of Public Health for the regional government. You heard about the controversy

position as the Director of Public Health for the regional government. You heard about the controversy surrounding Buyat Bay in your adolescence but weren't very interested prior to studying Medicine in Jakarta and Public Health in Sydney. You have been invited to attend an upcoming Forum to provide advice about whether the reopening of the mine will have impacts on public health and what sort of measures should be in place. You are now in a very prestigious position and look forward to using your new found skills to assist your community.

LOCAL HEALTH WORKER



You are a midwife and early childhood nurse who has lived in North Sulawesi all your life. You have delivered many of the babies born in the communities of Minahasa and conduct regular outreach clinics checking on and treating the babies and young children in the area; you are frequently consulted by mothers concerned about the health and development of their babies. In particular, you have seen at least 5 children born with severe birth defects in the last few years and are concerned that these may have been linked with pollution of the waters in the surrounding bays. Your supervisor based in Manado has asked you to attend the upcoming Forum to provide a local perspective on the needs of villagers in the area.

WHO ADVISOR



You are a specialist in heavy metal poisoning and completed your PhD on arsenic poisoning in Bangladesh. You have been appointed

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Mining Students: Roles >>>

PHCM9612 Environmental Health

MINE MANAGER



You are an Australian national and have previously worked as a Mine Manager on several locations in A East Asia. You have comprehensive technical training in mining engineering from the University of New Masters of Business Administration from the Australian Graduate School of Management. You have sp Indonesia on this mine that is a joint venture between Australian and Indonesian investors that has a Perth, Australia. You have settled in the local area, having married a local Indonesian woman who runs

Buyat Bay Mine Public Forum

You

Mining > BuyatBay

?

People

Participants

Search Forums

Go

Advanced search ?

Administration

Turn editing on

Settings

Assign roles

Grades

Groups

Backup

Restore

Import

Reset

Reports

Questions

Topic outline

Welcome to the Buyat Bay Public Forum
Opens Monday 17th August 2009



News forum

Public Forum

Daily Planet's News Desk

Once you have read all the Stakeholder Position Statements, you can then start to contribute to the discussion under each agenda points. I ask that you do not add any new discussion topics, but rather contribute to the existing ones. This will help track of all the discussions.

You can also access an informal blog site under Participants-Blogs where you are able to lobby or make contact with other stakeholders informally.

I have been advised that a reporter from the Daily Planet will have access to our online forum and is likely to publish articles to the discussions. I will post any publications for all forum participants to see.

Discussion	Started by	Replies
Stakeholder Position Statements	 GOVERNMENT REPRESENTATIVE	9
Agenda Item 2: Positive/negative impacts of new mine	 GOVERNMENT REPRESENTATIVE	3
General Feedback on Forum	 GOVERNMENT REPRESENTATIVE	1
Stakeholder Position Statement from Mine Manager	 MINE MANAGER	1
Environmental Manager statement	 ENVIRONMENTAL MANAGER	0
Agenda item 3: Monitoring/preventative strategies	 GOVERNMENT REPRESENTATIVE	1
Agenda item 1: Evidence for environmental/health impact	 GOVERNMENT REPRESENTATIVE	1

http://www.cdc.gov/ncbddd/bd/faq1.htm (viewed 27.7.09)



Re: Local Health Worker Position Statement

by ENVIRONMENTAL MANAGER - Tuesday, 18 August 2009, 07:06 PM

Good evening

Ultimately, i also would share your concerns, however i think we have to remain calm, balanced and considered when discussing the has been no established causal nexus. I completely agree with your proposed strategies for monitoring and prevention. I have one

1. Why do you propose to use the NSW birth defect surveillance system, whilst we are in Indonesia? What is the best practice?



Re: Stakeholder Position Statements

by LOCAL VILLAGE REPRESENTATIVE - Monday, 17 August 2009, 09:42 PM

Our village has been shown a video from Australia 60 Minutes of the Grasberg mine in Papua and we think that we may have many of the : We are most scared that the Government will use the military against us if we complain about the mine. We know it can bring us education this can not be at the cost of our health or of the environment.

Grasberg mine uses 1% of its income to pay for improving the local services and we think it should be good for us too.

Grasberg mine has problem with disease malaria tuberculosis as well as sex disease and we need to make sure the same does not happen alcohol and prostitution we want our village to be a safe place.

The mine must always talk to the village so we understand what is happening. We need to be sure that the fish will not be poisoned if the drink will not hurt us.

In the public forum I will represent my village they choose me because I speak good English. The village has a group of family elders who want for them to accept the mine starting.

evaluation



- Piloted with 2 former students
- Student focus group mid-way
- Formal external evaluation with students and staff

Conclusion



- Successful
- We think students met learning outcomes
- Assessments worked well
- Considerable planning/teamwork
- Challenges
 - ▣ Facilitation in forum
 - ▣ Platforms- design
 - ▣ 'Clean' scenario