

Working effectively with other forms of impact assessment

Inclusion of Health into EIA for Mining Industry

Presented in the HIA 2010 Conference
18th November 2010,
UNIVERSITY OF OTAGO, NEW ZEALAND
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Introduction

- Mining industry is required by the Enhancement and Conservation of National Environmental Quality Act 1992 to submit EIS before permission.
- EIA itself has already included health within quality of life dimension as the EIA guideline said.
- Community complaints related to impact from mining operation.
- In 2009, Mining Department and Health Department proposed a project which aims for developing health indicators and mechanism for monitoring health outcome within an EIA.

What did we do?

- Review the impact of limestone and gold mining operation;
- Field work;
- Consultation with health personnel at provincial, district and sub-district levels;
- Organize forum for all stakeholders;
- Develop the Guideline for HIA and EIA health monitoring

What are outputs?

- General health monitoring guideline inc. recommended health indicators, distance of assessment area, risk groups, community concern, area mapping;
- Data collecting tool for local health personnel use in active health surveillance;
- Recommendation for health data collection and analysis;
- Linkage between health and environmental data.

Tool: Individual Health record form

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Environmental Health Surveillance Activities

- Health Data



- Risk Group

- Workers
- Children
- Elderly
- Pregnancy

- Environment Data

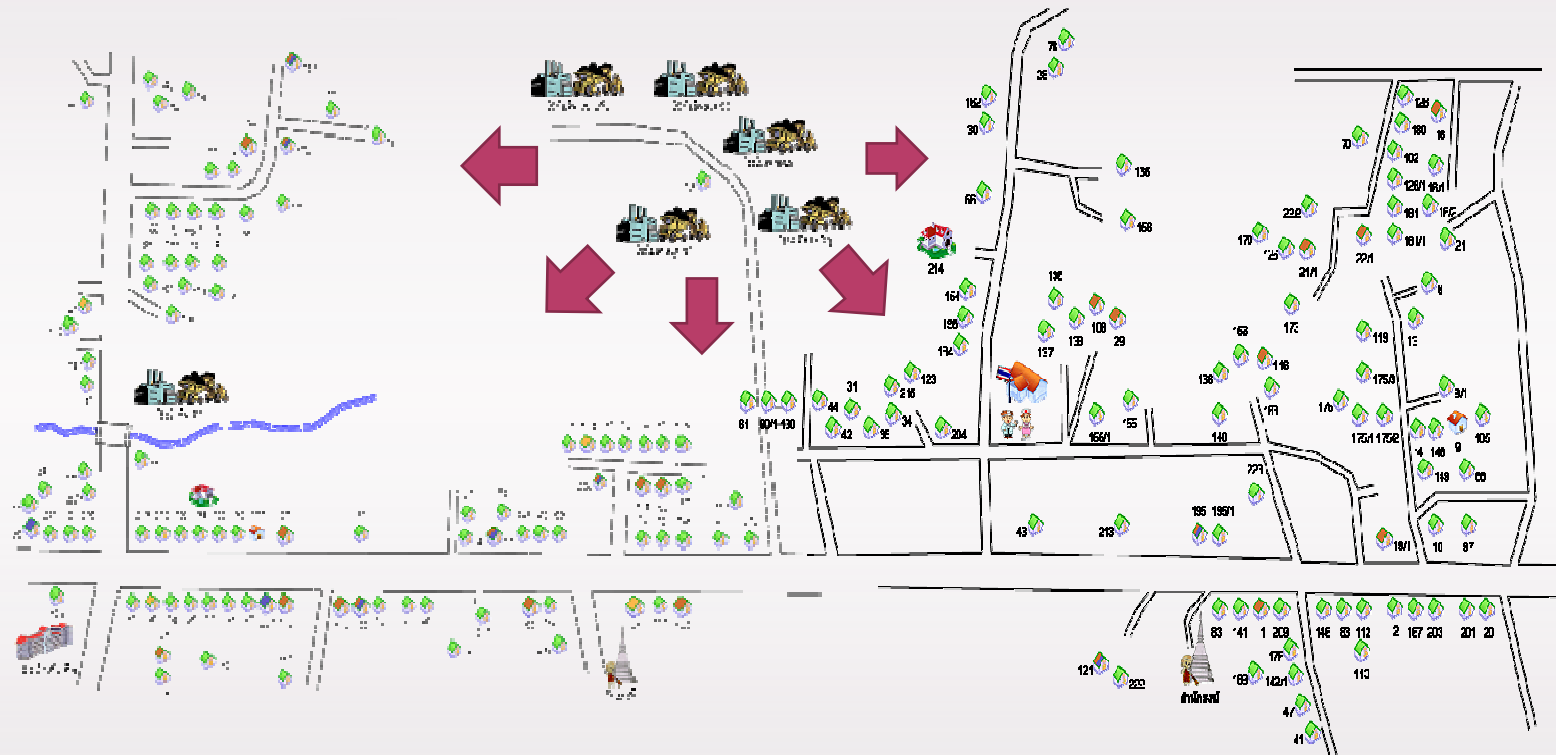


- Hazard Emission

- TSP PM10
- Noise vibration

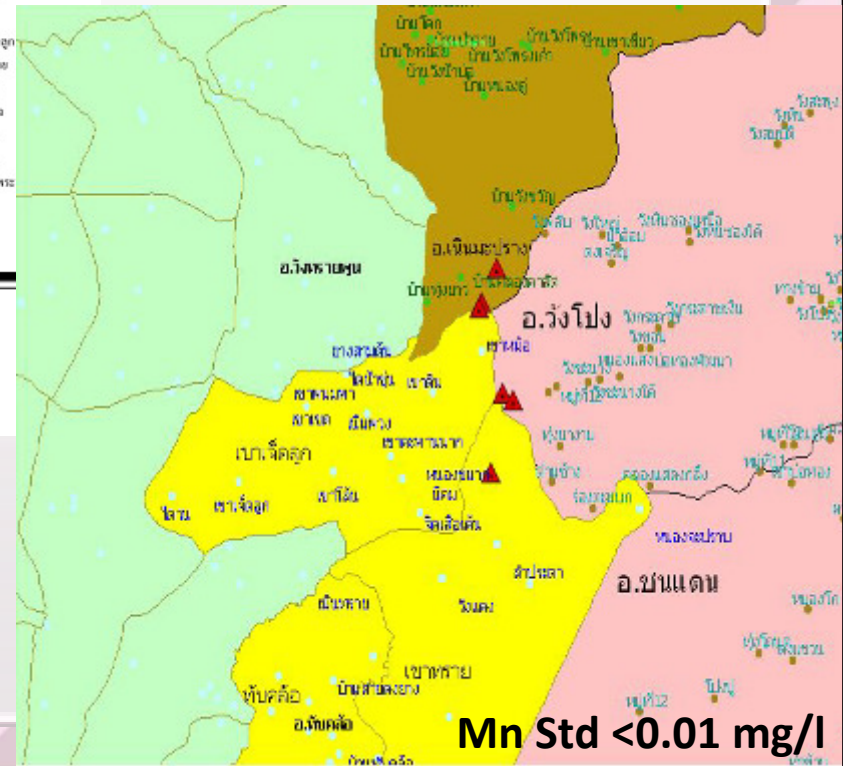
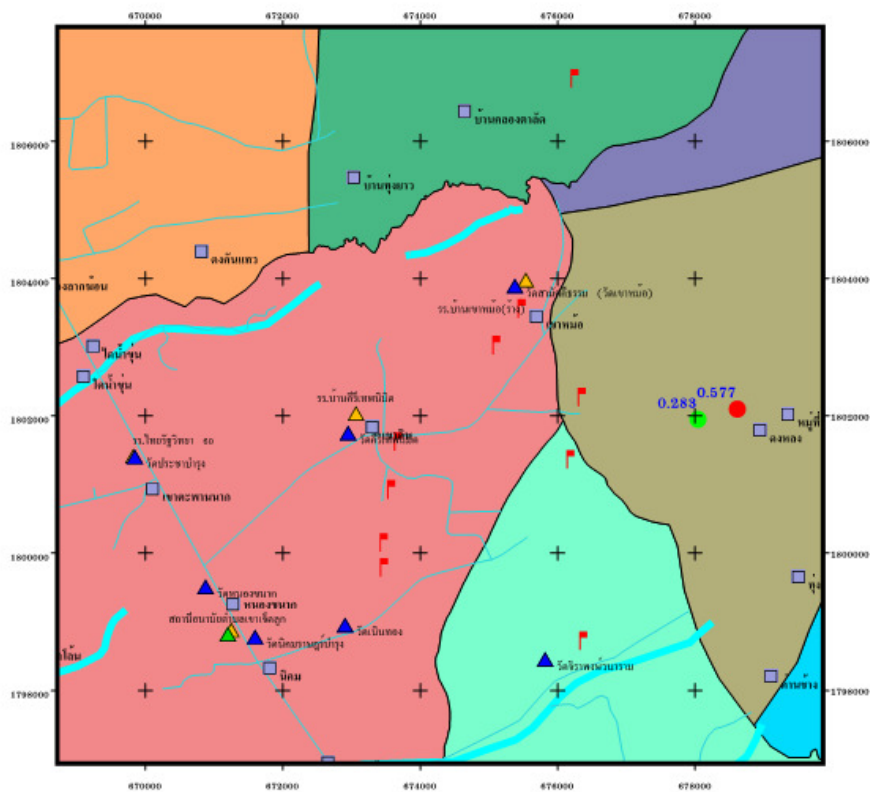


Risk Area Mapping : Limestone Mine in Supanburi Province



- Cover 4 sub-districts 3 Km. from limestone mines
- Used by local health personnel and local people for monitoring the impacts

Risk Area Mapping : Gold Mine in Pichit Province



Do EIA and HIA work effectively ? Y or N

Some important points shown

- Provide forum for stakeholders for gold mine - leads to conflict resolution.
- Revision of health data base system
- Collaboration and knowledge exchange opportunity for
 - Health personnel;
 - Non-health sector
 - Private sector
 - Community

Key of Success

- **Permission authority concern;**
- **Data should be utilized at lowest level;**
- **Central organization work as catalyst and coordinator on environmental health problem.**

Thank you for your kind attention

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