

CHAPTER VI

CONCLUSION

Saraburi area is the important target for development for central region of Thailand. The present study intends to apply the earth science information to assist in future planning and development of the area.

From the investigation, the environmental geology information can be used for planning and development of the area. These information include: the climate of the area, wind speed and direction together with source of air pollution such as the location of aggregate processing plant, and the cement processing plant in the area.

Saraburi is covered by the rocks of Ratburi Group in the east portion. These consist of carbonate rocks interbedded with clastic rocks of shale and sandstone. Carbonate rock and shale are important for cement industry and related construction materials. In the area of sedimentary rocks in contact with volcanic rock, dimension stone potential such as marble may be expected.

The exploitation of mineral resources can cause pollution such as air, noise, water and visual pollution. These should be a buffer zone between area of exploitation and community to mitigate the conflict between local people and the miner.

The surface water supply from the Pasak River are not adequate during the dry season. The industrial development in the area can increase the water supply shortage. In addition salt water encroachment and ground water quality deterioration in the area of Amphoe Nong Khae and Amphoe Sao Hai are likely to occur and enhance. Land subsidence problem is likely in the area of Amphoe Muang and Amphoe Sao Hai due to the ground water overdrafting. In Amphoe Kaeng Khoi, ground water table depression may cause subsidence by sinkhole collapse.

Seismic hazard : Saraburi is situated in the low-risk seismic zone. Flooding : the low lying area of Saraburi in the west and south in Amphoe Nong Don, Don Put, Wihan Daeng and Nong Khae have high potential for flooding and flood water stagnation. The development in this area should consider this factor.

Recreation, Saraburi has high potential for natural tourism such as Pasak River floating, Muak Lek resort area and diary farm.

Saraburi has high potential for development in various dimension such as cement and related industrial, transportation center to the Northeast, North, Central and in the future to Eastern Seaboard. The accelerated development can also cause pollution.

For future investigation, the computerized program on Geographic Information System (GIS) should be used. The GIS program usually is convenient to retrieve and change weight rating score and rapidly calculate the result of land capability map. So far the

interdisciplinary expertise should be applied for weight of each factor and more powerful for planner and decision makers.