

EARTHQUAKE AND FLOOD MITIGATION ON DAM FAILURE OF  
DOWNSTREAM COMMUNITY OF VAJIRALONGKORN DAM,  
THONGPHAPHUM DISTRICT, KANCHANABURI PROVINCE

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M.Sc. (TECHNOLOGY OF ENVIRONMENTAL MANAGEMENT)

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ABSTRACT

The objectives of this research were to study the operational situation of relevant agencies in the mitigation management of earthquake and flood on dam failure of downstream community of Vajiralongkorn Dam, to investigate people's knowledge, understanding, participation attitude towards the problems and problem solving from earthquake and flood and to find mitigation guidance for future disasters. In the process of this study, questionnaire (n=366), in-depth interviews (n=20) and non-participant observation were analyzed. The results showed that people in the area have a little knowledge to help themselves and they do not thoroughly obtain information about disaster; thus people need help from the agencies the whole time (before, during, after disaster). At present related government organizations in the area such as Disaster Prevention and mitigation Provincial Office Kanchanaburi Thongphaphum Branch, Subdistrict (DDPM), Subdistrict Administrative Organization (SAO), and Electricity Generating Authority of Thailand (EGAT) have more attention about earthquake management than in the past. A campaign should be done to increase understanding and public awareness about dam mitigation so that the people will become more involved and eventually get their participation. So the participation of people in the area is the important factor which leads to success in the disaster risk management.

KEY WORDS: EARTHQUAKE/FLOOD/MITIGATION/DAM FAILURE/  
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