

24/7 Emergency Operation Center for Flood, Storm and Landslide

DATE: Saturday, September 11, 2011	TIME: 09.00	LOCATION: Meeting Room 2, Ministry of Interior
CHAIRPERSON: Mr. Panu Yamsri		
Director of Disaster Mitigation Center, Department of Disaster Prevention and Mitigation		

1. CURRENT SITUATION

- 1.1 Current flooded provinces:** there are **16** recent flooded provinces: Sukhothai, Phichit, Phitsanulok, Nakhon Sawan, Phra Nakhon Si Ayutthaya, Ang Thong, Chai Nat, Ubon Ratchathani, Sing Buri, Nakhon Pathom,, Suphan Buri, Nonthaburi, Uthai Thani, Chacheongsao, **Chantha Buri, and Sara Buri**. The total of **69** Districts, **516** Sub-Districts, **2,820** Villages, **202,760** families and/or **519,844** people are affected by the flood. **The total fatalities are 80 deaths and 5 missing.** (Fatalities: 1 in Udon Thani, Sakon Nakhon, Phetchabun, and Suphan Buri; 2 in Tak, Nakhon Phanom, Roi Et, and Phang-Nga; 3 in Chiang Mai; 4 in Prachin Buri, and Uttaradit; 5 in Phitsanulok, and Nakhon Sawan; 7 in Mae Hong Son; 8 in Phrae; 9 in Sukhothai and **23** in Phichit: Missing: 1 in Mae Hong Son, and 4 in Uttaradit due to landslide)
- 1.2 Weather Condition:** During 11-12 September, the intense monsoon trough lies across the Central, the East and the lower Northeast of Thailand. The strong southwest monsoon prevails over the Andaman Sea, southern Thailand and the Gulf of Thailand. Torrential rain and isolated heavy to very heavy falls are likely much of the country. People in risky areas along foothills and waterways are warned of possible flash flood. People in lowlands and riversides in the Central and the East are warned of overflow. (Thai Meteorological Department : TMD)
- 1.3 Amount of Rainfall:** The heaviest rainfall in the past 24 hours is at Tung Nui Sub-District, Khuan Done District of Satun Province at 210.5 mm.
- 1.4 Estimate Damages:**
- 1.4.1 Agricultural impact: farming areas which would be affected are estimated at 3,681,912 rai; 67,618 rai for fisheries and 2.79 million livestock (source: Ministry of Agriculture and Cooperatives).
- 1.4.2 Transportation Routes:
- Highway:** 7 main highways in 5 provinces are flooded and cannot be passed (**Mae Hong Son Province:** route 105 at k.m. 226 Ban Dong Sa-Ngad, partially damaged by flood water, divert to rural road; **Phichit Province:** route 1068 Wangjik-Pai Tha Tho at

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KM.7-10, divert to Rural Road; route 1313 Bang Mun Nak-Taphan Hin at k.m. 11-14, divert to route 1118 Taphan Hin – Bang Mun Nak; **Phitsanulok Province:** route 1143 Nakhon Thai-Chattrakarn at k.m. 18-19, 50 cm. height of inundation, divert to 2013 Ban Yang-Nakhon Thai and route 1237 Chattrakarn-Bo Phak at k.m 49, divert to route Dan Sai-Na Haew; **Petchabun Province:** route 2181 Pak Huay Khon Kean-Lomsak at k.m. 4-6, divert to rural road; **Nan Province:** route 1080 Pua-Chianklang landslide at k.m. 61, divert to rural road) **For more information, contact 1568.**

Rural roads: 29 rural roads in 10 provinces are not passable (1 road in Phitsanulok, Pang-Nga, Ranong, Ubon Ratchathani, and Suphanburi; 2 roads in Nakhon Phanom and Rayong; 3 roads in Chiang Mai, 5 roads in Phichit; and 12 roads in Nakhon Sawan). **Additional inquiry, call 1146.**

1.5 Important assistance provision

1.5.1 On 11 September 2011, The Prime Minister (Ms. Yingluck Shinawatra) and Deputy Prime Ministers (Mr.Yongyuth Wichaidit and Mr. Kowit Wattana) accompanied with concerned Ministers visited the flashflood and landslide affected areas in Nam Pad of Uttaradit Province, and provided relief kits for affected people.

1.5.2 Ministry of Public Health

- Chao Phraya Yommaraj Hospital, located 72 cm. lower than the dam ridge, has reinforced the flood prevention wall with sandbags, and crushed rocks. Water pumps, 24 hrs. Emergency Monitoring Center are also in place. Hospital staff already evacuated properties to the higher ground.
- Nam Pad Hospital in Uttaradit Province has dispatched medical mobile unit for providing health care and mental health care for the affected people at the disaster sites. One victim was transferred to the Uttaradit province, and 2 victims were admitted.
- Phanom Sarakham Hospital of Chacherngsao Province is flooded in some areas. The hospital is normally operated. The hospital has the plan for disaster prevention and mitigation.

1.5.3 **Department of Provincial Administration** reported that due to continued rainfall within the past 24 hrs. over eastern region, farming and residential areas in Khlung District of Chanthaburi Province and Khao Saming District of Trad Province are flooded. Local agencies already provided immediate assistance to the affected people.

1.5.4 **The Royal Thai Armed Force's Disaster Operation Center** has dispatched officers and tools and equipment to assist affected population in Num Phai Sub-district, Nam Pad District of Uttaradit Province, and some other affected areas in Phitsanulok, and Phichit Province. They also are ready to deploy if requested.

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1.5.5 **Army Disaster Relief Center** has supported a cadre of officers, heavy equipment and rescue equipment to assist people affected by flood in 11 provinces (Phitsanulok, Phichit, Uttaradit, Nakhon Sawan, Ang Thong, Phra Nakhon Si Ayutthaya, Prachinburi, Chainat, Sing Buri, Suphan Buri, and Pathumthani). In regard of the report on boat accident, causing one Army officer died during the flood prevention operation in Nakhon Sawan province, the Army is providing proper compensation for the casualty and his family.

2. SITUATION ASSESSMENT

- **Thai Meteorological Department (TMD):** Within the period of first 12 hrs. of 11 September, special attention should be made at the nearby areas of Khao Yai where heavy rainfall is expected, including Nakhon Ratchasima, Buri Ram, Sa Kaeo, Prachin Buri, Nakhon Nayok, Saraburi, Chanthaburi, Trat, and 6 province in Andaman Coast. For the next 12 hrs., rainfall will move to west side of the country, the focus should be made at Tak (Mae Sod District), Nakhon Sawan, Uthaithani, Suphanburi, Kanchanaburi, and ratchaburi.
- **Royal Irrigation Department (RID)** has monitored the water situation as the followings;
 - **Ping Basin :** No longer inundation exists in Guang river of Chiangmai and Lumphun Province. Mass water is still reported in Muang District of Lumphun province, but likely to decrease if no additional rainfall.
 - **Yom Basin:** Inundation at riverside area remains in Si Samrong District of Sukhothai Province. This causes Muang District to be at risk of river overflow. Inundation is increasing in Bang Rakum District of Phitsanulok Province, and 3 districts (Sam Ngam, Pho Thale, and Pho Prathap Chang) of Phichit Province.
 - **Nan Basin:** Inundation remains at Phitsanulok (Nakhon Thai District), and Phichit (Muang and Bang Mun Nak District). However, water level in Nakhon Sawan (Chum Sang District) and Phitsanulok (Meuang District) is likely to increase.
 - **Pasak Basin:** Inundation in Wichian Buri District of Petchabun province is increasing.
 - **Prachinburi River:** Inundation in Muang District of Prachinburi Province is increasing. Heavy rainfall is expected at Khao Saming District of Trad Province. Close monitoring is advised.
 - **Shi Basin:** Inundation remains in low land areas.
 - **Mun Basin:** Inundation is increasing in Nakhon Ratchasima (Pak Thong Chai District), Ubon Ratchathani (Meuang, Trakan Pheutphon, and Dech Udom District), Roi-Et (Suvannabhum district), and Si Saket Province (Kantararom District).
 - **Khong Basin:** Water level is increasing in Nong Wua So and Meuang District of Udon Thani Province. Close watch is adviced.
 - **Lower Chao Phraya Basin:** Water level is increasing, but 0.45 m. below the levees. Singburi Province is already inundated. Other riverside areas of Nakhonsawan, Singburi, Ang Thong, Lopburi, Chainat, and

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Phra Nakhon Si Ayutthaya Provinces are at risk.

- **Bangkok Metropolitan Administrative (BMA):** The highest water level in the river is 1.60 m. at 19.15 hr. The highest sea level rise is expected on 11 September 2011, at 19.25 hr. No flood threat to BMA is reported. Special attention should be made at the eastern side of BMA, the outer flood prevention areas, including Meenburi, Nong Jok, and Lad Krabang Districts. Some parts of those areas are already inundated.

3. WARNING AND ADVISORY MESSAGE

- **Thai Meteorological Department** issued weather advisory No. 11 (11 September 2011, at 05.30 a.m.) on Heavy to very Heavy rain over Thailand during 10-12 Sep. The intense monsoon trough lies across the Central, the East and the lower Northeast of Thailand. The strong southwest monsoon prevails over the Andaman Sea, southern Thailand and the Gulf of Thailand. Torrential rain and isolated heavy to very heavy falls are likely much of the country, especially in provinces of Tak, Kamphaeng Phet, Phichit, Phetchabun, Lop Buri, Saraburi, Chaiyaphum, Nakhon Ratchasima, Buri Ram, Surin, Si Saket, Roi Et, Mukdahan, Yasothon, Amnat Charoen, Ubon Ratchathani, Kanchanaburi, Ratchaburi, Nakhon Nayok, Prachin Buri, Sa Kaeo, Rayong, Chanthaburi, Trat, Chumphon, Surat Thani, Ranong, Phang-nga, Phuket, Krabi, Trang, Patthalung, Songkhla and Satun. People in risky areas along foothills and waterways are warned of possible flash flood. People in lowlands and riversides in the Central and the East are warned of overflow. The strong wind-wave in the Andaman Sea and the upper Gulf of Thailand is likely 2-3 meters high. All ships should proceed with caution and small boats keep ashore during 1-2 days. The strong wind-waves in the Andaman Sea and the upper Gulf of Thailand is likely 2-3 meters high. All ship should proceed with caution and small boats keep ashore during 2-4 days.
- **Royal Irrigation Department (RID)**, issued warning of 10 September 2011 at 12.00 hr. on flood probability in lower Chao Phraya River Basin. People living at riversides and lowlands should prepare sufficient sandbags for flood prevention, and be ready to move their belongings to the higher ground. Close watch of the water situation is advised.
- **Department of Mineral Resources (DMR)** issued warning of 10 September 2011 at 16.00 hr. on flashflood and landslide during 1-2 days in risk areas, including Ranong Province (Suk Samran, Meuang, and Kapur districts); Chumphon province (Pha To, Sawee, and Meuang District); Phang Nga Province (khura Buri, Takua Pa, Kapong and Thai Muang); Krabi Province (Khao Phanom, Na Khao, and Meuang District); and Trand Province (Huay Yod, and Pa Lian Distrcit).
- **Department of Water Resources** reported that the Early Warning Station at Phang Nga Province showed high precipitation (179.5 mm.), flood preparation is advised. The Warning Station in Chanthaburi province and Trad Province also showed high precipitation (99.5 mm. and 94.5 mm., respectively), evacuation is advised.

4. THE 2P2R MEASURES

PREPARATION

- **Emergency Medical Institute of Thailand (EMIT)** calls for cooperation from every province to pay special attention to the vulnerable group of aged and children.

RESPONSE

- **The Royal Thai Police** has issued directives;
 1. Every police station in affected areas is prepared for providing immediate assistance such as traffic management, safeguarding, to the affected people both at disaster sites and shelters.
 2. The Spokesperson of the Royal Thai Police and concerned agencies should disseminate the results of assistance provision of the agency and its partners'.
 3. Operation Center of The Royal Thai Police is designated to be the coordinating mechanism for problem solving and disaster relief assistance provided by the Royal Thai Police and its offices at all level.
- **Department of provincial Administration** ordered all district chiefs in risk areas mentioned in Item No. 2 and under warning in Item No. 3 to disseminate information to the responsible local administrative offices to relay necessary information to the public and people.