

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

DATE: Thursday, September 15, 2011	TIME: 09.00	LOCATION: Meeting Room 2, Ministry of Interior
CHAIRPERSON: Mr. Vichien Chawalit		
Permanent Secretary to Ministry of Interior		

### 1. CURRENT SITUATION

**1.1 Current flooded provinces:** there are **30** recent flooded provinces: Sukhothai, Phichit, Phitsanulok, Nakhon Sawan, Uthai Thani, Chai Nat, Sing Buri, Ang Thong, Phra Nakhon Si Ayutthaya, Lopburi, Sara Buri, Suphan Buri, Nakhon Pathom, Pathumthani, Nonthaburi, Ubon Ratchathani, Yasothorn, Loei, Khon Kaen, Sisakes, Chacheongsao, Chantha Buri, Trad, Nakhon Nayok, Trang, Satun, Tak, Sakaew, Prachinburi, and Surat Thani. The total of **166** Districts, **1,021** Sub-Districts, **5,626** Villages, **339,601** families and/or **1,204,358** people are affected by the flood. **The total fatalities are 91 deaths and 2 missing.** (Fatalities: 1 in Udon Thani, Sakon Nakhon, Phetchabun, Singburi, Chainat, and Trad; 2 in Tak, Nakhon Phanom, Roi Et, Phang-Nga and Suphan Buri; 3 in Chiang Mai and Chonburi; 4 in Prachin Buri ; 5 in Phitsanulok, and Nakhon Sawan; 7 in Uttaradit and Mae Hong Son; 8 in Phrae; 9 in Sukhothai; and **24** in Phichit: Missing: 1 in Mae Hong Son, and 1 in Uttaradit due to landslide)

**1.2 Weather Condition:** The monsoon trough lies across the lower North, the Central and the Northeast of Thailand. The strong southwest monsoon prevails over the Andaman Sea, southern Thailand and the Gulf of Thailand. Decreasing rain and isolated heavy falls are likely over the country, especially in provinces of Tak, Kamphaeng Phet, Phichit, Phetchabun, Loei, Nong Khai, Amnat Charoen, Ubon Ratchathani, Lop Buri, Uthai Thani, Saraburi, Kanchanaburi, Ratchaburi, Nakhon Nayok, Prachin Buri, Sa Kaeo, Rayong, Chanthaburi, Trat, Ranong, Phang-nga and Phuket. 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 during few days and it will weaken. (Thai Meteorological Department : TMD)

**1.3 Amount of Rainfall:** The heaviest rainfall in the past 24 hours is at Nakhon Phanom Province at 85.0 mm.

**1.4 Estimate Losses and Damages:**

1.4.1 Agricultural impact: Farming areas which would be affected are estimated at 4,034,993 rai; 67,618 rai for fisheries and 3.04 million livestock (source: Ministry of Agriculture and Cooperatives).

## 1. CURRENT SITUATION (CON'T)

### 1.4.2 Transportation Routes:

**Highway:** 17 main highways in 8 provinces are flooded and cannot be passed (**Phichit Province:** Route 1068 Wangjik-Pai Tha Tho at KM.7-10, divert to Rural Road; Route 1118 Taphanhin-Bang Mun Nak at k.m. 0-23, 15-50 cm of flood water, divert to route 11; Route 1304 Hua Dong-Yang Sam Ton at k.m. 3-4, 35-60 cm. of flood water height, divert to route 1110; Route 1313 Bang Mun Nak-Taphan Hin at k.m. 11-14, divert to route 1118 Taphan Hin – Bang Mun Nak; **Petchabun Province:** Route 21 Lomsak By pass road at k.m. 9-10, 40 c.m. of flood, divert to route 21 Petchabun- Lomsak; Route 2181 Pak Huay Khon Kean- Lomsak at k.m. 4-6, 50 c.m. of flood, divert to rural road; **Nakhon Sawan province:** Route 225 Pak Num Pho-Nakhon Sawan at k.m. 1-10, divert to route 3004 Nakhon Sawan-Tha Tako; Route 1084 Pa Dang-Bunphot Phisai at k.m. 50-52, divert to rural road; Route 3475 Thab Krit-Phanom Rod at k.m. 0-8, 35 c.m. of flood water, divert to rural route; **Singburi province:** Route 311 Singburi – Chainart at k.m. 6-9, divert to route 3030 Bangrachan - Singburi ; Route 3030 Singburi-Bangrachan at k.m. 0-1, 50 c.m. of flood, divert to route 32 Asia Highway route ; Route 3033 Ba Nga – Promburi at k.m. 1-10, 30 c.m. of flood , divert to Asia Highway route 32 ; **Lopburi Province :** Route 205 Ban Mi – Kok Sam Rong at k.m. 15-16, 60 c.m. of flood, divert to route 1 Lopburi – Nong Muang, Route 3024 Ban Mi-Khao Chong lom at k.m. 6-7, divert to Route 1 Khok Samrong-Lopburi; **Trad Province:** Route 3158 Panom-Nawong at k.m. 9-10, divert to route 3157 Tajod - Chang Toon; **Suphanburi Province:** Route 340 Suphanburi Junction at k.m. 0-1, divert to route 340 to Supahnburi; **Chiyaphum Province:** Route 2359 nong bua Dang-Wang Yai at k.m. 16-17, divert to rural road) **For more information, contact 1568.**

**Rural roads:** 47 rural roads in 19 provinces are not passable (1 road in Phitsanulok, Pang-Nga, Ubon Ratchathani, Chainat, Singburi, Nakhon Si Thammarat, Suphanburi, Rayong, Sisakes, nakhonnayok and Lopburi ; 2 roads in Nakhon Phanom, Tak , Chaiyaphum, Chainat and Amnart Chareon ; 3 roads in Chiang Mai and Chantaburi, 9 roads in Phichit; and 14 roads in Nakhon Sawan). **Additional inquiry, call 1146.**

### 1.4.3 Public Health Facilities/People's Health:

There are 102 hospitals affected by flood. It is estimated that out of 356 people with poor mental health, 70 people have high stress, 125 are depressed, 48 are likely to commit suicide, and 51 requires special care. For the top five of most found flood associated diseases are Athlete's foot, fever, strained muscles, dermatological disease, and stress, respectively.

## 1. CURRENT SITUATION (CON'T)

### 1.5 Important assistance provision

- 1.5.1 **The Royal Thai Armed Force's Disaster Operation Center** has dispatched officers and tools and equipment to assist affected people in 8 provinces; Chachoengsao, Phra Nakhon Si Ayutthaya, Ang Thong, Sing Buri, Nakhon Sawan, Phitsanulok, Phichit and Uttaradit Province.
- 1.5.2 **The Army Disaster Relief Center** dispatched officers, and tools and equipment to assist affected people in 21 provinces (Phitsanulok, Phichit, Uttaradit, Tak, Nakhon Sawan, Phra Nakhon Si Ayutthaya, Ang Thong, Prachineburi, Singburi, Suphanburi, Lopburi, Pathumthani, Nakhonnayok, Nakhonratchasima, Roi-Et, Ubonratchathani, Yasothon, Loei, Satun, Trang, and Ranong).
- 1.5.3 **The Royal Thai Police** dispatched operation Task Force to assist people at the Central, North, Lower North and installed radio communication system in Uttaradit, Phitsanulok and Phichit Province. They also provided supporting teams to search and rescue at the affected areas to assist victim assistance operation.
- 1.5.4 **Ministry of Public Health** deployed Health Care Mobile Unit to the affected areas, and provided medicines to the areas.
- 1.5.5 **National Public Relations Department** informed locations for people to make donation for flood affected people at Krung Thai Bank, The Parliament Branch, account number 067-0-06895-0, name "Fund for Disaster Affected people". They also establish the donation points for flood victims. Also, they expand the broadcasting period for flood information at 10.00-12.00 a.m. and 14.00-15.00 p.m. For providing information to the media, send to email: ioc\_prd@hotmail.com or envir11@ovi.com
- 1.5.6 MCOT Public Company Limited released news and information for public. People would like to inform any update or news, can contact Mr. Wiroj Prakob Phiboon at 08-1424-5347 (TV broadcast), Ms. Patchara San Pimpa at 08-1555-8511 (radio network of 100.5 MHZ)

## 2. SITUATION ASSESSMENT

- **Royal Irrigation Department (RID)** has monitored the water situation as the followings;

### River Basins

- **Ping Basin:** Inundation remains at Bunphotphisai District of Nakhon Sawan Province.
- **Yom Basin:** Inundation remains in Si Samrong District of Sukhothai Province, 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, and Meuang District), and likely to increase. Nakhon Sawan (Chum Sang District) and Phitsanulok (Wang Thong District) is likely to increase. However, water level in Wang Thong District of Phitsanulok Province is increasing, and inundation is expected. Close watch is advised.
- **Pasak Basin:** Inundation in Wichian Buri District of Petchabun province is increasing.
- **Eastern River Basin:** Inundation in Muang and Kabinburi District of Prachinburi Province is likely to decrease.

## 2. SITUATION ASSESSMENT (CON'T)

- **Shi Basin:** Inundation is increasing in Khwao District of Chaiyaphum province, Meuang and Maha Chanachai of Yasothorn Province.
- **Mun Basin:** Inundation is increasing in Nakhon Ratchasima (Choke Chai, Dan Khun Tod and Non Thai District), and likely to decrease in Ubon Ratchathani (Meuang, Trakan Pheutphon, and Dech Udom District), Roi-Et (Suvannabhum district), and Si Saket Province (Payuha and Kantararom District).
- **Lower Chao Phraya Basin:** Water level is increasing. Inundation was reported in lowlands of Chainat, Singburi, Ang Thong, Suphanburi, Phra Nakhon Si Ayutthaya and Pathumthani Province.
- **Southern Basin:** Inundation is increasing in Meuang District of Trang Province.

### Major Dams

- **Bhumibol Dam** ; it reached 86 Percent of retention capacity.
- **Sirikit Dam** ; it reached 95 Percent of retention capacity.
- **Kwae Noi Dam**; it reached 102 Percent of retention capacity.
- **Pasak Dam**; it reached 95 Percent of retention capacity.

### Bangkok Metropolitan Administrative (BMA)

The highest water level in the river is 1.80 m. at 19.45 hr. The highest sea level rise is expected on 15 September 2011, at 20.17 hr. No flood threat to BMA is reported. Special attention should be made at the eastern side of BMA, the outer flood prevention areas. In addition, The BMA has been prepared necessary resources for flood prevention and mitigation. For more information, contact 0-2248-5115 or BMA Hotline 1555.

- **Water Resources Department** has monitored the water situation. Early warning and close watch are advised to be made at Phitsanulok Province (Ban Tha Kham, Wang Chin Sub-district of Wang Thong District), and Udon Thani Province (Ban Na Kham and Ban Na Kham Noi of Ban Kong Sub-district in Na Yung District; and Ban Chumphon, Ban Na Khleng, Ban Pak Rang of Na Yung District).
- **Hydrography Department of the Royal Thai Navy** Water level is increasing above average sea level at 2.05 m. at 20.17 hr.

## 3. WARNING AND ADVISORY MESSAGE

- Thai Meteorological Department issued warning no. 16/12 September 2011 at 05.30 p.m. The monsoon trough lies across the lower North, the Central and the Northeast of Thailand. The strong southwest monsoon prevails over the Andaman Sea, southern Thailand and the Gulf of Thailand. Decreasing rain and isolated heavy falls are likely over the country, especially in provinces of Tak, Kamphaeng Phet, Phichit, Phetchabun, Loei, Nong Khai, Amnat Charoen, Ubon Ratchathani, Lop Buri, Uthai Thani, Saraburi, Kanchanaburi, Ratchaburi, Nakhon Nayok, Prachin Buri, Sa Kaeo, Rayong, Chanthaburi, Trat, Ranong, Phang-nga and Phuket. 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 during few days and it will weaken.

### 3. WARNING AND ADVISORY MESSAGE (CON'T)

- **Royal Irrigation Department** issued flood warning of 13 September at 6.00 p.m. at the lower Chao Praya River.  
Regarding the heavy rain in the northern part at the ending of Bhumibol Dam in Tak, Kampangetch and Petchabun Province during September 10-11, 2011, it caused water level in Ping River and branches increasing rapidly. It will affected water level in Nakhon Sawan Province to increase to 1 meter higher. Therefore, it is expected the highest releasing level during 19-20 September, 2011 with comparison to 2010 at the rear of Chao Phraya Dam in Chainart, Sing Buri, Ang Thong, Phra Nakorn Si Ayutthaya, Pathumthani and Bangkok for these following period.

### 4. THE 2P2R MEASURES

#### PREPARATION

- **The Royal Thai Police** activated the EOC at site on 19 September 2011 at Bang Sai District of Phra Nakon Sri Ayutthaya Province.

#### RESPONSE

- **Emergency Medical Institute of Thailand (EMIT)**: has alerted the Narenthon Centers throughout the country to be ready for mobilizing assistance and supporting resources to the affected areas, particularly in Phitsanulok Province (Ban Chomphu Neu, Noen Maprang District and Wang Thong District), Chiang Rai Province (Mae Sai District), Tak Province (Mae Sot District), and Uttaradit (Lublai District). Water Emergency Operation Units are also alerted to be ready for assisting vulnerable group, including elder, children, and chronic patients. For patient transfer, contact 1669.

#### RECOVERY

- **Ministry of Agriculture and Cooperatives** has approved the budget for flood victim compensation for Phitsanulok Province at the amount of 108,006,504 million THB for 2,699 affected farmers; and for Nakhon Sawan Province at the amount of 372,830,349.25 million THB for 7,977 affected farmers.