

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

DATE: Thursday, September 16, 2011

TIME: 09.00

LOCATION: Meeting Room 2, Ministry of Interior

CHAIRPERSON: Mr. Panu Yamsri, Director of Disaster Mitigation Directing Center, Department of Disaster Prevention and Mitigation

### 1. CURRENT SITUATION

- 1.1 Current flooded provinces:** there are **29** 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, Yasothon, Loei, Khon Kaen, Sisakes, Chacheongsao, Trad, Nakhon Nayok, Trang, Satun, Tak, Sakaew, Prachinburi, and Surat Thani. The total of **162** Districts, **1,021** Sub-Districts, **5,447** Villages, **333,073** families and/or **1,184,250** people are affected by the flood. **The total fatalities are 98 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 ; **6** in Phitsanulok, Uttaradit and Mae Hong Son; **8** in Phrae; **9** in Sukhothai; **11** in Nakhon Sawan 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 upper of Thailand through the low cell in the Bay of Tonkin. The southwest monsoon prevails over the Andaman Sea, southern Thailand and the Gulf of Thailand. Rain is in general likely over the North and the upper Northeast with isolated heavy falls. The moderate wind-wave in the Andaman Sea and the upper Gulf is likely about 2 meters high. All ships should proceed with caution. (Thai Meteorological Department : TMD)
- 1.3 Amount of Rainfall:** The heaviest rainfall in the past 24 hours is at Phai Lom Sub-district, Ban Phang District of Nakhon Phanom Province at 197.0 mm.
- 1.4 Estimate Losses and Damages:**
- 1.4.1 **Agricultural impact:** Farming areas which would be affected are estimated at 4,809,302 rai; 54,852 rai for fisheries and 3.95 million livestock (source: Ministry of Agriculture and Cooperatives).
- 1.4.2 **Transportation Routes:**
- Highway:** 22 main highways in 10 provinces are flooded and cannot be passed (**Sukhothai province:** [Route 1293](#) Sukhothai-Phitsanulok at k.m. 8-11, 40 cm. of flood water, no alternate route; **Phichit Province:** [Route 113](#) Bang Mun Nak-Phichit at k.m. 14-18, 30 cm. of flood water, divert to rural roads; [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; **Phitsanulok Province:** [Route 1275](#) Tha Chang-Phromphiram at k.m. 2-3, 70 cm. of flood water, divert to route 1086 Phitsanulok-Wat Bote; **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 122](#) at k.m. 0-3, 40-50 cm. of flood water, divert to route 1 Phayuhakhiri-Nakhon Sawan; [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

## 1. CURRENT SITUATION (CON'T)

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 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 255 Kew Khao-wang Kratha Hubpho at k.m. 153-155, 50-80 cm. of flood water, divert to route 201 Chaiyaphum-Nong Bua Khok; Route 2359 nong bua Dang-Wang Yai at k.m. 16-17, divert to rural road) **For more information, contact 1568.**

**Rural roads:** 50 rural roads in 20 provinces are not passable (1 road in Phetchabun, Phitsanulok, Nakhon Phanom, Pang-Nga, Ubon Ratchathani, Uthaithani, Nakhon Si Thammarat, Suphanburi, Rayong, Sisakes, Nakhonnayok and Lopburi ; 2 roads in Nakhon Phanom, Tak, Chainat, Chaiyaphum, Singburi and Amnart Chareon ; 3 roads in Chaiyaphum, 4 in Chanthaburi; 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 177 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.

1.5 **Important assistance provision**

- 1.5.1 **The Minister of Public Health (Mr. Wittaya Buranasiri) and high-level officials** visited the flood affected hospitals in Ang Thong, Phra Nakhon Si Ayutthaya, and Singburi Province, to monitor the implementation of the health sector emergency plan. The plan has 4 tiers, including facilities protection, resources management, patient transfer, and adaptation of the plan during emergency.
- 1.5.2 **The Royal Thai Armed Force's Disaster Operation Center** has dispatched officers and tools and equipment to assist affected people in 7 provinces in Central region.
- 1.5.3 **The Army Disaster Relief Center** dispatched officers, and tools and equipment to assist affected people in 23 provinces in Central, Northeast, and Southern regions.
- 1.5.4 **The Royal Thai Police** alerted 88 Emergency Operation Task Forces to be ready for providing immediate assistance to the affected areas in Bangkok. They also have 102 cranes available for support in the riverbank areas.
- 1.5.5 **National Public Relations Department** informed of the current amount of donation fund for flood affected people, 360 million THB. Also, TV Channel 11 is broadcasting special programme for flood affected people assistance daily at 10.00-12.00 hr. For providing information to the media, send to email: ioc\_prd@hotmail.com or env11@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 at central network), and Mr. Anusorn Kasemlapas at 08-1881-4033 (radio network at regional stations).

**2. SITUATION ASSESSMENT/FORECAST**

- **Thai Meteorological Department (TMD):** during 15-17 Sep, the weak monsoon trough lies across the upper of the North and the Northeast Thailand to the low pressure cell in the Bay of Tonkin. The moderate southwest monsoon prevails over the Andaman, the South and the Gulf of Thailand. Scattered to fairly widespread rain and isolated heavy fall is likely over Thailand. After that during 18-21 Sep, this monsoon will move to across the lower North, the Central and the Northeast with intensifying. And the active southwest monsoon prevails over the Andaman, the South and the Gulf of Thailand. Increasing rain and isolated heavy to very heavy fall is expected over the country during this period.
- **Royal Irrigation Department (RID):** Water situation is still required close watch especially in the lower Chao Phraya Basin. The followings are the water situation overview;

River Basins

- **Ping Basin:** Inundation remains at Sun Kamphang of Chiang mai Province. Inundation is increasing in Meuang District of Lumphun Province, while in Bunphotphisai District of Nakhon Sawan Province is decreasing.
- **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). Nakhon Sawan (Chum Sang District) and Phitsanulok (Wang Thong District) is likely to increase.
- **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 increasing.
- **Shi Basin:** Inundation is increasing in Chaiyaphum province (Khwao District), Roi-Et province (Jung han Province), Yasothorn Province (Meuang and Maha Chanachai District), and Nong Bua Lumphu Province (Meuang district).
- **Mun Basin:** Inundation is increasing in Nakhon Ratchasima (Choke Chai, and Phimai District), Roi-Et (Suvannabhum district), and Si Saket Province (Payuha and Kantararom District). Inundation is decreasing in Ubon Ratchathani (Trakan Pheutphon, and Dech Udom District),
- **Lower Chao Phraya Basin:** Water level is increasing. Inundation was reported in lowlands of Uthaitхани, Chainat, Singburi, Ang Thong, Suphanburi, Phra Nakhon Si Ayutthaya, Pathumthani, and Nonthaburi Province.
- **Southern Basin:** Inundation is decreasing in Meuang District of Trang Province.
- **Mae Khong Basin:** No flood threat.

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.
- **Water Resources Department** has monitored the water situation. Early warning and close watch are advised to be made at Phitsanulok Province (Ban Chomphu Nue in Chomphu District), and Ubon ratchathani Province (Ban Kham San Suk, Huay kha Sub-district, buntharik District).
- **The National Disaster Warning Center (NDWC)** has monitored the situation 24 hrs and disseminated the warning message to the risk areas through several means, including SMS, facsimile, social network, Spring News, TV Pool, and Local Loud Speaker Towers.
- **Bangkok Metropolitan Administrative (BMA)** The highest water level in the river is 1.74 m. at 20.00 hr. The highest sea level rise is expected on 15 September 2011, at 20.36 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 District. 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.

### 3. WARNING AND ADVISORY MESSAGE

- **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

- **Ministry of Public Health** urged the officials working at flooded sites to wear life jackets for safety.
- **Emergency Institute of Thailand** alerted the Narenthon Centers throughout the country to be ready for mobilizing assistance and supporting resources to the affected areas. EMIT Hotline 1669 is available 24 hrs. for emergency notification and assistance request.

#### RESPONSE

- Due to the long term flood in Inburi Hospital in Singburi Province, liquid oxygen for respirator will be run out by 7 days. Patients with respirator need to be transferred to nearby hospital so as to spare the respirators for emergency cases.