

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

DATE: Sunday, September 25, 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 23 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, Khon Kaen, Amnatcharoen, Chacheongsao, Nakhon Nayok, Prachinburi, and Chaiyaphum. The total of 141 Districts, 1,052 Sub-Districts, 8,088 Villages, 583,370 families and/or 1,927,120 people are affected by the flood. The total fatalities are 158 deaths and 3 missing. (Fatalities: 1 in Udon Thani, Sakon Nakhon, Khon Kean, Phetchabun, Trad, Umnatcharoen, Yasothorn and Chacheongsao; 2 in Tak, Nakhon Phanom, Roi Et, Phang-Nga, Lopburi and Phra Nakhon Si Ayuttaya ; 3 in Chonburi, Suphanburi, Sa Kaew, Ang Thong, saraburi and Chaiyaphum ; 4 in Prachin Buri, and Uthaithani; 6 in Singburi; 7 in Mae Hong Son, Phitsanulok, Chainat and Uttaradit; 8 in Phrae and Chiang Mai; 12 in Sukhothai; 19 in Nakhon Sawan; and 31 in Phichit: Missing: 1 in Mae Hong Son, 1 in Chainat, and 1 in Uttaradit)
- 1.2 **Amount of Rainfall:** The heaviest rainfall in the past 24 hours is at Sanab Theub Sub-District, Wang Noi District, Phra Nakhon Si Ayutthaya Province at 96.5 mm.
- 1.3 **Estimate Losses and Damages:**
- 1.3.1 **Agricultural impact:** Farming areas which would be affected are estimated at 5,110,327 rai; 60,124 rai of fish/shrimp ponds and 4.72 million of livestock (source: Ministry of Agriculture and Cooperatives as of 19 September 2011).
- 1.3.2 **Transportation Routes:**
- Highway:** 32 main highways in 9 provinces are flooded and cannot be passed (Phichit Province: Route 111 Sak Lek – Phichit at k.m. 9 -16; Route 1068 Wang Chik – Pai Ta To ; Route 1118 Taphanhin-Bang Mun Nak at k.m. 0-23, Route 1221 Phichit – Phitsanuloke at k.m. 7-8; Route 1289 Wang Samrong-Banglail at k.m. 9-10; Route 1313 Bang Mun Nak-Taphan Hin at k.m. 11-14; **Phitsanulok Province:** Route 1275 Tha Chang-Phromphiram at k.m. 0-3, Route 1310 Thab Yai Chiang-Phromphiram at k.m. 8-12; **Nakhon Sawan province:** Route 117 Nakhon Sawan – Phichit at k.m. 7-16 Route 122 Nakhon Sawan West By Pass Route at k.m. 0-3; Route 225 Pak Num Pho-Nakhon Sawan at k.m. 1-29; Route 1084 Pa Dang-Bunphot Phisai at k.m. 47-52; Route 3005 Ta Ta Kui – Krok Pra at k.m. 1-2; Route 3319 Krok Phra-Uthathani at k.m. 0-3; Route 3522 Junction to Phra Yuha Kiri at k.m. 2-4; Route 3475 Thabkrit-Phanom Rod at k.m. 0-12; **Phra Nakhon Si Ayutthaya Province :** Route Bang - Ban Pak Hai at k.m. 8-12; **Singburi Province:** Route 11 Inburi – Nakhon Sawan, Bridge Collapsed at k.m 5; Route 311 Singburi – Chainart at k.m. 6-9; Route 3030 Singburi-Bangrachan at k.m. 0-1; Route 3033 Ba Nga – Promburi at k.m. 1-10; Route 2275 Chaibadan-Beungsamphan at k.m. 0-4; **Chainat Province:** Route 1 Chainat Intersection- Ban Kluay at k.m. 290+500; Route 3183 Chinat – Wat Sing at k.m. 25-28; Route 3213 Wat Sing – Nong Ma Mong at k.m. 0-1; Route 3244 Chainat – Ta Had at k.m. 0-2; **Uthai Thani Province:** Route 333 Uthai Thani- Nakhon Sawan at k.m. 1-14; Route 3265 Uthai Thani By Pass Route at k.m. 0-2; Uthai Thani – Manorom Route at k.m. 1-7; **Chaiyaphum Province:** Route 225 Kiew Khao- Wang Krata Hup Po at k.m. 153-155; **Udonthani Province:** Route 2023 Si That-Wang Sam Mo at k.m. 115-117. For more information, contact 1568 or DDPM Hotline 1784.

**1. CURRENT SITUATION (CON'T)**

- Rural roads:** 74 rural roads in 20 provinces are not passable (1 road in Phitsanulok, Uthaitхани, Suphanburi, Rayong, Chiang Mai, Nakhon Ratchasima, Yasothon, Pathumthani, Nongkhai and Mahasarakham; 2 roads in Amnatcharoen and Chaiyaphum; 3 roads in Petchabun, Nakhon Nayok and Lopburi; 4 roads Chainat; 6 roads in Nakhon Phanom; 9 roads in Singburi; 12 roads in Phichit; 20 roads in Nakhon Sawan). **Additional inquiry, call 1146.**
- Railways:** No report of damaged railways. For more information, **contact State Railway of Thailand's Hotline 1690.**

**1.4 Important Assistance Provision**

- 1.4.1 **The Prime Minister** (Ms. Yingluck Shinawatra) accompanied with high-level officials is visiting the flood affected areas in Lopburi Province and providing 4,000 survival kits to the affected people at Thep Umphai Temple and Ban Bang It in Ban Mee District, and at Khlong Mao Temple and Tha Khlong Temple in Tha Wung District.
- 1.4.2 **The Minister of Natural Resources and Environment** (Mr. Preecha Rengsomboonsuk) visited the flood affected areas and provided 9,000 bottles of drinking water and 3,000 survival kits in Nonkhai and Udon Thani Province.
- 1.4.3 **Deputy Minister of Transportation** (Mr. Boonsong Teriyapirom) assigned the Chiang Mai Governor and Deputy Director-General of DDPM to visit the landslide areas in Pong Num Ron Sub-district of Fang District in Chiang mai province. The governor provided 200 survival kits and compensation for death people.
- 1.4.4 **Minister of Agricultures and Cooperatives** (Mr. Teera Wongsamut) accompanied with Director-General of Royal irrigation Department visited the flood affected areas in Chainat Province. They also discussed with the governor on water management plan.
- 1.4.5 **The Department of Disaster Prevention and Mitigation** has reported of the assistance providing to landslide affected area in Fang District of Chiang Mai Province;
- 1) DDPM Regional Center 10 Lampang Province provided heavy engines, equipment and tools as well as relief items (temporary shelters), and rescue team to provide immediate relief to the affected areas. Bearing bridge and other necessary assistance were also installed for recovering and reconstructing the damaged infrastructure to resume its normal function as soon as possible.
  - 2) Additional assistance were also provided by several concerned agencies such as the local authorities, Royal Thai Army, Rural Road Division, etc.
- 1.4.6 **The Military** has mobilized resources for the flood affected areas in 25 provinces. In response to the flood risk hospital, Inburi Hospital in Singburi province, the hospital can request support from the responsible army based in Lopburi Province.
- 1.4.7 **The Royal Thai Police** mobilized officers to help affected people evacuate their properties and increase the security in the affected area and to assist in traffic control in the flooded roads to avoid accidents.
- 1.4.8 **The Emergency Medical Institute of Thailand** alerted the EMS Center and foundations to support resources and transfer a patient as well as providing relief items to the flood affected people in Singburi Province.

**2. SITUATION ASSESSMENT/FORECAST**

- **Thai Meteorological Department (TMD):** During 26-30 Sep, the monsoon trough lies across the lower North and the Northeast of Thailand. And the active southwest monsoon prevails over the Andaman, the South and the Gulf of Thailand. Increasing rain and isolated heavy to very heavy falls is likely over the country. The wind-wave in the Andaman Sea and the Gulf of Thailand will intensify with 2-3 meters high. Active low pressure cell in the South of China sea is expected to upgrade in to a tropical depression. During this period, people in the risky areas in the Central and the East should beware of heavy rain and flooding condition. During 26-30 Sep, all ships should proceed with caution and small boat in the Andaman Sea and the upper Gulf of Thailand keep ashore.

## 2. SITUATION ASSESSMENT/FORECAST (CONT)

- **Royal Irrigation Department (RID):** Overall, water level in many areas are increasing. Close watch is still required especially in the Northeastern River Basin and lower Chao Phraya Basin. The followings are the water situation overview;

River Basins

- **Ping Basin:** No inundation is reported, and the water level in Bunphot Phisai District (a confluence of Ping and Nan rivers before merging into Chao Phraya River) is gradually decreasing.
- **Yom Basin:** Inundation remains and likely to increase in Bang Rakum District of Phitsanulok Province and 3 districts (Sam Ngam, Pho Thale, and Pho Prathap Chang) of Phichit Province.
- **Nan Basin:** Inundation is likely to decrease in Bang Mun Nak, and Meuang District of Phichit province, while increasing in Chum Sang District of Nakhon Sawan Province (a confluence of Nan and Yom Rivers before merging into Chao Phraya River).
- **Pasak Basin:** Inundation in Wichian Buri District of Petchabun province is increasing.
- **Prachinburi River Basin:** Inundation in Meuang and Kabinburi District of Prachinburi Province is increasing.
- **Mun Basin:** Inundation remains and likely to increase in Nakhon Ratchasima Province (Phimai, Non Thai and Dan Khun Tod District); Buriram Province (Lum Plai Mat, Satuk, and Krasang District); Roi-Et Province (Suvannabhum District); Surin Province (Huay Thap Thun, Meuang, Rasisalai, and Kuntararom District); and Ubonratchathani province (Trakan Phutphon, Detudom, and Meuang District).
- **Chi Basins:** Inundation is likely to decrease in Chaiyaphum Province (Meuang District); Roi-Et province (Jung Han and Thung Khao Luang District); and Yasothorn Province (Meuang and Maha Chanachai District). But inundation is increasing in Mahasarakham Province (Kosumphisai district); Khon Kaen Province (Nam Phong District); and Kalasin province (Kamalasai District). In addition, water level is increasing and flood is expected in 1-2 days in Punjakhiri and Meuang District of Khon Kaen province and meuang district of Mahasarakham Province.
- **Mae Khong Basin:** the inundation is likely to decrease in Ban Muang District of Sakon Nakorn Province and Srisongkram District of Nakhon Phnom province.
- **Sakaekrang Basin:** Inundation is increasing in Meuang District of Uthaithani Province.
- **Lower Chao Phraya Basin:** Water level is increasing. Inundation remains at lowlands of Uthaithani, Chainat, Singburi, Ang Thong, Suphanburi, Phra Nakhon Si Ayutthaya (Bang Sai Ayutthaya is the confluence of Chao Phraya River), Pathumthani, and Nonthaburi Province.
- **Tha Chine Basin:** Inundation is increasing in Bangplama District of Suphanburi Province and Nakhonchaisi District of Nakhon Pathom Province.

Major Dams

- **Bhumibol Dam:** it reached 90 Percent of retention capacity.
  - **Sirikit Dam:** it reached 98 Percent of retention capacity.
  - **Kwae Noi Dam:** it reached 97 Percent of retention capacity.
  - **Pasak Dam:** it reached 130 Percent of retention capacity.
- **Ministry of Public Health** warned of flood risk in 3 hospitals, including Inburi Hospital in Singburi Province, Krokphra Hospital and Chumsang Hospital in Nakhon Sawan Province.
- **Bangkok Metropolitan Administrative (BMA)** On September 25, the highest sea level is expecting at 18.10 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. The water discharges from Nakhon Nayok Province every day causes the increasing amount of water level in Bangkok. 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, or <http://dds.bangkok.go.th>

### 3. WARNING AND ADVISORY MESSAGE

- **Thai Meteorological Department (TMD)** warned of heavy rainfall in lower North and Northeastern part of Thailand on September 27. This area includes Nakhon Ratchasima, Buri Ram, Surin, Si Saket, Ubon Ratchathani, Umnatcharoen, Nakhon Nayok, Prachin Buri, Chanthaburi, Rayong and Trat. People living in waterways and foothills should be aware of flashflood within 7 days.
- **The Royal irrigation Department (RID)** warned of 60-80 cm. increased water level in Pasak River due to more water discharged from Chao Phraya Dam. People living in Pasak river banks in Saraburi and Phra Nakhon Si Ayutthaya province should be prepared for evacuate their properties to the higher ground or safe places, and should keep updating the news and water situation.

### 4. THE 2P2R MEASURES

- Three (3) flood risk areas; including 1) Munjakhiri and Meuang District of Khon Kaen Province, 2) Meuang District of Nong Khai province, and 3) Meuang district of Mahasarakham Province are alerted to be ready for flood prevention and mitigation.
- The Chiangmai province and agencies in charge of landslide recovery in pong nam Ron and Wieng Sub-District, Fang District of Chiangmai Province should recover the damaged roads and necessary facilities to resume its normal function as soon as possible.
- Agencies in charge are urged to immediately investigate the flood affected areas for waste water, and request the EM treatment from local hospitals or from the Central EOC at Bangkok. For more information, please contact this Central EOC.