

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

DATE: Friday, September 23, 2011	TIME: 08.00	LOCATION: Meeting Room 2, Ministry of Interior
CHAIRPERSON: Mr. Wiboon Sanguanpong, Director General of 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 140 Districts, 1,052 Sub-Districts, 8,032 Villages, 573,160 families and/or 1,903,708 people are affected by the flood. The total fatalities are 140 deaths and 2 missing. (Fatalities: 1 in Udon Thani, Sakon Nakhon, Phetchabun, Trad, Umnatcharoen and Chacheongsao; 2 in Tak, Nakhon Phanom, Roi Et, Phang-Nga, Lopburi and Phra Nakhon Si Ayutthaya ; 3 in Chonburi, Suphanburi, Sa Kaew and Chaiyaphum ; 4 in Prachin Buri; Singburi, and Uthaitani; 6 in Chainat, Chiang Mai and Singburi; 7 in Mae Hong Son, Phitsanulok and Uttaradit; 8 in Phrae; 11 in Nakhon Sawan; 12 in Sukhothai and 31 in Phichit: Missing: 1 in Mae Hong Son, and 1 in Uttaradit due to landslide)
- 1.2 **Amount of Rainfall:** The heaviest rainfall in the past 24 hours is at Klangkachet Sub-district, Meuang District, Rayong Province at 130 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:** 31 main highways in 10 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-Banglailai 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. 2-3; Nan Province: Route 1081 Nam Chang-Huaykon at k.m. 142-143; Phitsanuloke Province: Route 1275 Tha Chang – Phrom Phiram at k.m. 0-3; 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 For more information, contact 1568 or DDPM Hotline 1784.

1. CURRENT SITUATION

Rural roads: 73 rural roads in 23 provinces are not passable (1 road in Phitsanulok, Pang-Nga, Ubon Ratchathani, Uthaitхани, Nakhon Si Thammarat, Suphanburi, Rayong, Srisaket, Chiang Mai, Nakhon Ratchasima, Yasothon, Pathumthani, Nongkhai and Nakhon Phanom; 2 roads in Amnatcharoen; 3 roads in Petchabun, Nakhon Nayok and Chaiyaphum, and; 4 roads Chainat; 5 roads in Phra Nakhon Si Ayutthaya; 8 roads in Singburi; 12 roads in Phichit; 19 roads in Nakhon Sawan). **Additional inquiry, call 1146.**

1.3.3 Ground Water Resources

The total of 25,855 ground water ponds/wells are affected, while the 5,301 closed system pond/wells are damaged by flood. The Department of Groundwater Resources has distributed 2,647,871 liters of drinking water for affected people. (Department of Groundwater Resources)

1.4 Important Assistance Provision

1.4.1 **The Military** has dispatched officers, tools and equipment for both marine and air operation to assist affected people in flood damaged provinces in lower north, northeastern, central, and southern region. In addition, The Royal Thai Army has discussed with other armies to designate military point of contact in each province for a more effective coordination on disaster prevention and mitigation in the affected and risk areas. They also are procuring more boats and vehicles for the flooded areas for facilitating transportation of the people and patrolling the areas.

1.4.2 **The Royal Thai Police** has alerted all sections and units to be ready for deploy resources to help the affected people nationwide, including Bangkok.

1.4.3 **The Department of Provincial Administration** ordered high-level official responsible for the affected areas to accelerate the damage assessment data collection of the affected areas. They also alerted the Department's volunteers to be ready for providing assistance for the flood victims.

1.4.4 **The Ministry of Public Health** has dispatched Medical Care Mobile Units to provide medical and mental health care for flood affected people. The top five flood-related diseases are Athlete's foot, fever, strained muscles, skin diseases, and stress, respectively. For people with stress, out of 53,020 people, 1,356 people have high stress, 3,124 are depressed, 363 are likely to commit suicide, and 480 requires special monitor.

1.4.5 **The Emergency Medical Institute of Thailand** alerted the EMS Center nationwide to be prepared, especially in Phichit, Phitsanulok, Nakhon Sawan, Chainat, Phranakhon Si Ayutthaya, Singburi, Ang Thong, and Lopburi Province.

2. SITUATION ASSESSMENT/FORECAST

- **Thai Meteorological Department (TMD):** Areas to be closely monitored for heavy rainfall within 24 hrs., include Phra Nakhon Si Ayutthaya, Saraburi, and Lopburi province. And the next 24 hrs., the flood risk areas are at the eastern part of Thailand. In addition, during 26-28 September, heavy rainfall is expected at lower northeastern part of Thailand. People in the risk areas should keep updating the situation and the warning from the government.

- **Royal Irrigation Department (RID):** Overall, water level in many areas are decreasing. However, close watch is still required especially in the 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 slightly in Bang Rakum District of Phitsanulok Province and 3 districts (Sam Ngam, Pho Thale, and Pho Prathap Chang) of Phichit Province.

2. SITUATION ASSESSMENT/FORECAST (CON'T)

- **Nan Basin:** Inundation is likely to increase in Bang Mun Nak, and Meuang District of Phichit province, and 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 likely to decrease.
- **Prachinburi River Basin:** Inundation in Meuang and Kabinburi District of Prachinburi Province is increasing.
- **Mun Basin:** Inundation remains and likely to increase in Phimai, Non Thai and Dan Khun Tod District of Nakhon Ratchasima Province. The inundation in Sri Saket Province (Meuang, Rasisala and Kantararom District); is also increasing.
- **Chi Basins:** Inundation is likely to decrease in Meuang District of Chaiyaphum Province and Roi-Et province (Jung Han and Thung Khao Luang District). While the inundation in Yasothorn Province (Meuang and Maha Chanachai District) is decreasing
- **Mae Khong Basin:** the inundation is likely to decrease in Meuang District of Udon Thani and Ban Muang District of Sakon Nakorn Province. The inundation in Srisongkram District of Nakhon Phnom province is increasing.
- **Sakaekrang Basin:** Inundation is likely to increase 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 89 Percent of retention capacity.
- **Sirikit Dam:** it reached 98 Percent of retention capacity.
- **Kwae Noi Dam:** it reached 99 Percent of retention capacity.
- **Pasak Dam:** it reached 123 Percent of retention capacity.
- **Bangkok Metropolitan Administrative (BMA)** The highest water level in the river was 1.46 m. at 20.00 hr. of September 22. On September 23, the highest sea level is expecting at 18.52 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>
- **GISTDA** used RADARSAT-1 to monitor flood and damage assessment, which will be uploaded to website every 12.00 hr. at <http://flood.gistda.or.th>.

3. WARNING AND ADVISORY MESSAGE

- **Thai Meteorological Department (TMD)** warned of heavy rainfall due to low pressure ridge in Northeastern part of Thailand during 26-28 September
- **Department of Mineral Resources (DMR)** issued Warning No. 24/2554 of Flashflood and Landslide in Ubon Ratchathani (Na Chaluai, Nam Khun and Buntharik Districts) and Si Sa Ket Province (Phu Sing and Khun Han District) due to the amount of rainfall exceeded 200 m.m.. The DMR warning volunteer networking should regularly monitor the situation and warn people regarding the flashflood and landslide.
- **Department of Water Resources** issued Early Warning of flashflood and landslide on September 32, 2011 at 22.30 at Ban Huay Hien, Wieng Sub-district, Phang District of Chiangmai Province.

4. THE 2P2R MEASURES

- The Prime Minister has given an order during the VDO conference with The EOC Center on September 23, 2011 to any flood affected province who requires assistance from the central government can contact directly to this EOC Center.
- When transporting by boat, the province should seriously consider the safety measures, especially the capacity of the boat, their power engines, and wearing of safety vests.
- Due to the overflow of water mass from Chomsi Floodgate in Singburi Province, flood is expected at Phra Nakhon Si Ayutthaya (Ban Phrak, Tha Rue, and Maharat District), and Saraburi province (Ban Mo, and Don Phut District). These respective areas should be monitoring and planning for the coming floods.
- Ministry of Public Health has given an order to the Department of Disease Control, and Department of Medical Sciences to work closely with the provincial public health offices in the flooded affected areas to ensure the hygiene of water and food, especially at the shelter areas. In addition, the Ministry should also be prepared for the upcoming heavy rainfall due to monsoon in the next 2-3 months and communicate with hospitals at risk to be ready.