

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

DATE: Saturday, September 24, 2011	TIME: 09.00	LOCATION: Meeting Room 2, Ministry of Interior
CHAIRPERSON: Mr. Chatpong Chatbhuti, Deputy 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 **141** Districts, **1,045** Sub-Districts, **8,080** Villages, **581,099** families and/or **1,923,920** people are affected by the flood. **The total fatalities are 152 deaths and 3 missing.** (Fatalities: 1 in Udon Thani, Sakon Nakhon, Khon Kean, Phetchabun, Trad, Umnatcharoen and Chacheongsao; 2 in Tak, Nakhon Phanom, Roi Et, Phang-Nga, Ang Thong, Lopburi and Phra Nakhon Si Ayutthaya ; 3 in Chonburi, Suphanburi, Sa Kaew and Chaiyaphum ; 4 in Prachin Buri, and Uthaitani; 6 in Singburi, Chainat, Chiang Mai and Singburi; 7 in Mae Hong Son, Phitsanulok and Uttaradit; 8 in Phrae; 16 in Nakhon Sawan; 12 in Sukhothai and **31** in **Phichit**: Missing: 1 in Mae Hong Son, 1 in Chainart, and 1 in Uttaradit due to landslide)

1.2 **Amount of Rainfall:** The heaviest rainfall in the past 24 hours is at Klong Yai District, Trad Province at 121.1 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: **30** 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-Banglai 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, Uthaithani, 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 Department of Disaster Prevention and Mitigation** has assisted in the flashflood and landslide in the Hom Pok National Park, Phang District, Chiang Mai Province last night at 2300 hr. There were 2 fatalities (3-year-old child and 8-month-old baby), 30 houses affected (with 4 houses totally destroyed), 1 bridge cut off and 4 bridges damages, and at the moment 5 park rangers were still trapped in the area.

Initial assistance: Chiang Mai Governor had ordered the Emergency Response Team to be deployed in the area since last night, the regional army troop of 100 soldiers also deployed.

1.4.2 Flood Donation Fund Committee has a meeting on September 23, 2011 chaired by Mr. Yongyut Vichaidit, Deputy Prime Minister and Minister of Interior. The results of the meeting are as followed:

- (1) Additional compensation in the amount of 50,000 baht to be given to family of the death from the flood
- (2) Government will compensate 240,000 baht per house to rebuild the houses which were totally destroyed by the flood
- (3) To provide additional 5,000 fiberglass/rubber boats (cost not exceed 5,000 baht each)
- (4) To provide more portable toilet in the affected areas

1.4.3 **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.

1.4.4 **The Royal Thai Police**, Plice General Preawphan Damaphong, acting Commissioner-General of the Royal Thai Police visited and handed out survival kits Innburi District, Singburi Province yesterday. He also ordered the officers and all units to increase the security in the affected area and to assist in traffic control in the flooded roads to avoid accidents.

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 Provincial Public Health Offices are monitoring the situation. Innburi Hospital, Singburi Province is requesting assistance in transport oxygen tanks into the hospital and in need of flood prevention wall. EOC has coordinated with the local military troop to assist in that matter.

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):** The monsoon trough lies across the upper Central and the lower Northeast of Thailand to a low pressure cell in the South China Sea caused the decrease in rainfall during 24-26 September but there is still abundant rainfall along the coastline in the eastern Thailand. In addition, during 27-28 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 decrease 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 Yasothon 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 Uthaitхани Province.
- **Lower Chao Phraya Basin:** Water level is increasing. Inundation remains at lowlands of Uthaitхани, 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 99 Percent of retention capacity.
- **Pasak Dam:** it reached 127 Percent of retention capacity.
- **Bangkok Metropolitan Administrative (BMA)** On September 23, the highest sea level is expecting at 18.16 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>
- **Department of Water Resource** has issued the early warning (September 24 at 0630 hr.): Red alert (Evacuate) in Bhan Ton Phuang Tai, Bhan

Tha Had, Bhan Mai, Hua Fai, and Bhan Piang Kok in Pong Nam Ron Sub-district, Phang District, Chinag Mai Province. Yellow alert (Prepare to evacuate) in Bhan Nang Rong, Muang District, Nakon Nayok Province. Green Alert (Monitoring) in Koh Chang District, Trad Province and Chalerm Phra Kieat District and Phra Buddha Bart District in Saraburi Province.

- 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 in lower Northeastern part of Thailand on 27 September
- National Disaster Warning Center (NDWC) warned of flashflood and landslide in the following areas: Northern area in Thern District, Lampang Province, Phang District, Chiang Mai Province, Chart Trakarn District, Pitsanulok Province. Northeastern areas in Nam Yuean District, Ubonratchathani province. Eastern areas in Boh Rai District, Trad Province, Kitchakut District, Leamsing District, Muang District, Chantaburi Province. As well as the lower water basin in Che River, Mun River, Nakon Nayok River.

4. THE 2P2R MEASURES

- For the military and local government official to assist Innburi Hospital in Singburi Province in oxygen delivery and flood prevention.
- To closely monitor flashflood situation as in the warning stated above, especially for the Department of Provincial Administration to alert all sheriffs in the affected district to monitor and provide assistance instantly.
- For the local administrations and provincial office to prepare and monitor the situation 24 hours.