

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

DATE: Tuesday, September 20, 2011	TIME: 09.00	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 25 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, Maharakam, Chacheongsao, Nakhon Nayok, Tak, and Prachinburi. The total of **153** Districts, **1,131** Sub-Districts, **7,497** Villages, **470,415** families and/or **1,567,158** people are affected by the flood. **The total fatalities are 123 deaths and 2 missing.** (Fatalities: 1 in Udon Thani, Sakon Nakhon, Phetchabun, Trad, and Chaeongsao; 2 in Tak, Nakhon Phanom, Roi Et, Phang-Nga and Phra Nakhon Si Ayuttaya ; 3 in Chonburi, Suphanburi and Sa Kaew; 4 in Prachin Buri and Singburi ; 6 in Chainat and Chiang Mai; 7 in Mae Hong Son, Phitsanuloke and Uttaradit; 8 in Phrae; 10 in Sukhothai ; 11 in Nakhon Sawan and 29 in Phichit: Missing: 1 in Mae Hong Son, and 1 in Uttaradit due to landslide)
- 1.2 Weather Condition:** The ridge of moderate high pressure area from China covers upper Thailand. The monsoon trough moves across central Thailand and the active southwest monsoon prevails over the Andaman Sea, southern Thailand and the Gulf of Thailand. These cause more rain and isolated heavy rainfalls likely over the lower North, the Central, the Northeast, the East and the South west-coast during 20-23 September. People in lowlands along foothills and near waterways are warned of possible flash flood. This area includes Phetchabun, Lop Buri, Saraburi, Chaiyaphum, Loei, Nong Bua Lam Phu, Udon Thani, Nong Khai, Bueng Kan, Sakon Nakhon, Nakhon Phanom, Mukdahan, Amnart Charoen, Ubon Ratchathani, Chanthaburi, Trat, Ranong, Phang-nga, Trang and Satun.
- The wind-waves in the Andaman Sea and the upper Gulf are expected 2-3 meters high. All ships should proceed with caution, and small boats keep ashore. (Thai Meteorological Department : TMD)
- 1.3 Amount of Rainfall:** The heaviest rainfall in the past 24 hours is at Samrong Sub District, Tan Sum District of Ubon Ratchathani Province at 146.5 mm.
- 1.4 Estimate Losses and Damages:**
- 1.4.1 Agricultural impact: Farming areas which would be affected are estimated at 4,192,131 rai; 54,852 rai for fisheries and 3.95 million livestock (source: Ministry of Agriculture and Cooperatives).
- 1.4.2 Transportation Routes:
- Highway:** 27 main highways in 9 provinces are flooded and cannot be passed (**Phichit Province:** Route 111 Sak Lek – Phichit at k.m. 9 -16, 30 c.m. of flood water, divert to route 115 Phichit By pass route, Route 113 Bang Mun Nak-Phichit at k.m. 14-18, 40 cm. of flood water, divert to rural roads; Route 1068 Wangjik-Pai Tha Tho at KM.7-10, 30 c.m. of flood water, 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 1221 Phichit – Phitsanuloke at k.m. 7-8, 30 c.m. of flood water, divert to route 11 Sak Lek – Wang Thong; Route 1289 Wang Samrong – Bang Lai, 35 c.m. of flood water divert to route 1070 Tapan Hin – Dong Sue Lueng; Route 1313 Bang Mun Nak-Taphan Hin at k.m. 11-14, 35-60 c.m. of water flood, divert to route 1118 Taphan Hin – Sak Lek; **Phitsanulok Province:** Route 1275 Tha Chang-Phromphiram at k.m. 2-3, 70 cm. of flood water, divert to route 1086 Phitsanulok-Wat Bote; Route 1143 Nakhon Thai – Chattakarn at k.m. 18-22, 60 c.m. of flood water, divert to route 2013 Bang Yang – Chattakarn;

1. CURRENT SITUATION

Nakhon Sawan province: Route 117 Nakhon Sawan – Phichit at k.m. 7-16 (outbound), 40 c.m. of water flood, divert to [Route 122](#) at k.m. 0-3, 40-50 cm. of flood water, divert to inbound route; [Route 225](#) Pak Num Pho-Nakhon Sawan at k.m. 1-29, 70 c.m. of flood water divert to route 3004 Nakhon Sawan-Tha Tako; [Route 1084](#) Pa Dang-Bunphot Phisai at k.m. 47-52, divert to rural road; [Route 3005](#) Ta Ta Kui – Krok Pra at k.m. 1-2, 60 c.m. of flood water, no divert route; [Route 3522](#) Junction to Phra Yuha Kiri at k.m. 2-4, 30-70 c.m. of flood water, divert rural road; **Singburi province:** [Route 311](#) Singburi – Chainart at k.m. 6-9, 35 c.m. of flood water, 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, 35 c.m. of flood , divert to Asia Highway route 32 ; **Lopburi Province :** [Route 3019](#) Khao Pra Ngam –Khok Ka Tiem at k.m. 1-2, 50 c.m. of flood water, divert to route 1 Ban Mi- Khok Ka Tiem; **Suphanburi Province:** [Route 340](#) Suphanburi Junction at k.m. 0-1, 40 c.m. of flood water, divert to route 340 to Supahnburi; **Uthai Thani Province:** [Route 333](#) Uthai Thani- Nakhon Sawan at k.m. 1-14, 50-100 cm. of flood water, divert to rural road; Route 3265 Uthai Thani By pass at k.m. 0-2, 40 c.m. of flood water divert to Municipality route; **Chaiyaphum Province :** [Route 225](#) Kiew Khao – Wang Hup Krapong, at k.m. 153-155, 80 c.m. of flood water divert to route 201 Chaiyaphum-Nong Bua Khok; [Route 2359](#) Nong Bua Dang-Wang Yai at k.m. 16-17, 70 c.m. of flood divert to rural road) **For more information, contact 1568.**

Rural roads: 76 rural roads in 19 provinces are not passable (1 road in Phitsanulok, Pang-Nga, Ubon Ratchathani, Uthaithani, Nakhon Si Thammarat, Suphanburi, Rayong, Srisaket, Chiang Mai, Nakhon Ratchasima and Nakhon Phanom; 3 roads in Petchabun, Nakhon Nayok and Chaiyaphum, and; 4 roads in Amnatcharoen, and Chainat and Singburi; 19 roads in Nakhon Sawan; 25 roads in Phichit). **Additional inquiry, call 1146.**

1.4.3 Ground Water Resources

The total of 27,653 ground water ponds/wells is affected, while the 5,071 closed system pond/wells are damaged by flood. The Department of Groundwater Resources has distributed 2,535,906 liters of drinking water for affected people. The water production Trucks are distributed in Ang Thong, Phra Nakorn Si Ayutthaya and Phichit Province. (Department of Groundwater Resources)

1.5 Important Assistance Provision

- 1.5.1 **The Thai Army** 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, to ensure the unified relief and mitigating operation, The Thai Armed Force is going to convene the meeting of concerned armies to develop the integrated operation for the flood affected people on 20 September.
- 1.5.2 **The Royal Thai Police** has been alerted all sections and units to be ready for deploy to help the affected people nationwide. They also established the unified Field Command Post among police sections (Marine Police and Patrol Police) in Phra Nakhon Si Ayutthaya Province, as well as in the risk areas in Chao Phraya River Basin to secure state and private properties.
- 1.5.3 **Emergency Institute of Thailand** reported of the supporting operation from Sawang Boribun Thammasathan Foundation (Pattaya) and Sawang Phae Phisan Prachinburi (Prachuabkhirikhan) for transferring of 4 patients from Uthaithani Hospital to the more safer one. They also called for preparation at the local level in flood affected areas to be ready for deploy when request.

2. SITUATION ASSESSMENT/FORECAST

- **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) of Nakhon Sawan Province is decreasing.
- **Yom Basin:** Inundation remains and likely to decrease in Si Samrong and Kong Krai Lat 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 is expected in Phitsanulok Province (Meuang and Nakhon Thai District). And inundation is likely to decrease in Bang Mun Nak, and Meuang District of Phichit province. However, Chum Sang District of Nakhon Sawan Province (a confluence of Nan and Yom Rivers before merging into Chao Phraya River) is slightly increasing.
- **Pasak Basin:** Inundation in Wichian Buri District of Petchabun province is likely to decrease.
- **Prachinburi River Basin:** Inundation is decreasing in Meuang District of Prachinburi Province, while Kabinburi District is increasing.
- **Mun Basin:** Inundation remains and likely to increase in many areas, including Nakhon Ratchasima (Choke Chai, and Phimai District); Si Saket Province (Payuha, Kantararom and Huay Taptan District); and Buriram Province. But, inundation is likely to increase in Phimai District of Nakhon Ratchasima Province; Suvannabhumi District of Roi-Et Province, and Meuang District of Ubon Ratchathani Province where Shi and Mun Rivers are merging.
- **Shi Basins:** Inundation is likely to increase in Meuang District of Chaiyaphum Province, Roi-Et province (Jung Han and Thung Khao Luang District), Yasothon Province (Meuang and Maha Chanachai District), and Nong Bua Lumphu Province (Meuang district).
- **Mae Khong Basin:** the inundation is likely to decrease in Meuang District of Udon Thani, but Ban Muang District of Sakon Nakorn Province is increasing.
- **Sakaekrang Basin:** Inundation is increasing in Meuang District of Uthaitхани Province.
- **Lower Chao Phraya Basin:** Water level is increasing. Inundation at 0.25 m. was reported in lowlands of Uthaitхани, Chainat, Singburi, Ang Thong, Suphanburi, Phra Nakhon Si Ayutthaya, Pathumthani, and Nonthaburi Province.
- **Tha Chue Basin:** Inundation is increasing in Bangplama District of Suphanburi Province and Nakhonchaisi District of Nakhon Pathom Province.

Major Dams

- **Bhumibol Dam:** it reached 88 Percent of retention capacity.
- **Sirikit Dam:** it reached 96 Percent of retention capacity.
- **Kwae Noi Dam;** it reached 99 Percent of retention capacity.
- **Pasak Dam;** it reached 111 Percent of retention capacity.
- **Bangkok Metropolitan Administrative (BMA)** The highest water level in the river is expected at 13.03 hr and 20.39 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** issued warning message no.6 on September 20, 2011 at 11.30 a.m.
The ridge of moderate high pressure area from China covers upper Thailand. The monsoon trough moves across central Thailand and the active southwest monsoon prevails over the Andaman Sea, southern Thailand and the Gulf of Thailand. These cause more rain and isolated heavy rainfalls likely over the lower North, the Central, the Northeast, the East and the South west-coast during 20-23 September. People in lowlands along foothills and near waterways are warned of possible flash flood. This area includes Phetchabun, Lop Buri, Saraburi,

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The wind-waves in the Andaman Sea and the upper Gulf are expected 2-3 meters high. All ships should proceed with caution, and small boats keep ashore.

The advisory is in effect for Thailand from 20 September 2011

- **Water Resource Department** advised the following:
 - Warning issued for 4 districts of Phang Nga Province, including 1) Tha Kao Tung District at Ban Lam Hin, Ban Klond Sai, Ban Ti Tae and Ban Bang Tip
 - Close watch is advised in Chiang Rai Province at Ban Huay Yang Non, Mae Chan District.

4. THE 2P2R MEASURES

PREPARATION

- To emphasize officials in charge to wear life jackets during the water assistance operation, in case of necessity, the adaptation to make raft or buoy for prevent drowning.
- To assign the National Public Relations and MCOT to disseminate the public awareness of adaption material to prevent drowning. DDPM and EMIT will designate the topics to broadcast via National Public Relations and MCOT program.
- Keep close watch to the outer flood barrier in eastern part of BMA at Minburi, Nong Jog, Lad Krabang.
- The additional affected provinces from the cabinet approval dated Sept 6, 2011 could report to the assistance to DDPM by Sept 26, 2011.
- The 17 hospitals are risk to flood especially Pra Nung Khao Hospital has to prepare for flood.
- To assign provincial, district and Local Administrative Organization to disseminate public relations to warn people avoid from venomous animal and take care of their health.