

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

DATE: Sunday, September 18, 2011	TIME: 09.00	LOCATION: Meeting Room 2, Ministry of Interior
CHAIRPERSON: Mr. Chatpong Chatraphuti, Deputy Director of Department of Disaster Prevention and Mitigation		

1. CURRENT SITUATION

- 1.1 Current flooded provinces:** there are 26 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, Chacheongsao, Nakhon Nayok, Tak, Sakaew, Prachinburi, and Surat Thani. The total of 165 Districts, 1,095 Sub-Districts, 6,915 Villages, 408,783 families and/or 1,412,357 people are affected by the flood. **The total fatalities are 112 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 Singburi; 3 in Chonburi, Suphanburi, Chainat and **Sa Kaew**; 4 in Prachin Buri ; 6 in Phitsanulok, Uttaradit Mae Hong Son and Chiang Mai; 8 in Phrae; 9 in Sukhothai; 11 in Nakhon Sawan and **28 in Phichit**: Missing: 1 in Mae Hong Son, and 1 in Uttaradit due to landslide)
- 1.2 Weather Condition:** The monsoon trough lied over neighboring Myanmar and upper Laos beginning shift down across the North and upper Northeast Thailand (18-20 Sep,). Abundant rain and isolated heavy rain are expected the areas. This monsoon trough wills over the Central and East around 20 Sep, 2011 and southwest monsoon prevailed over the Andaman Sea, Southern and the gulf of Thailand is intensifying. These cause more rain and heavy rain many places. (Thai Meteorological Department : TMD)
- 1.3 Amount of Rainfall:** The heaviest rainfall in the past 24 hours is at None Sila Sub-District, Boong Khla District, Bueng Kan at 94.5 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:** 24 main highways in 10 provinces are flooded and cannot be passed (**Sukhothai province:** Route 1293 Sukhothai-Phitsanulok at k.m. 8-11, 45 cm. of flood water, divert to rural roads; **Phichit Province:** Route 111 Sak Lek – Phichit at k.m. 14-16, 25 c.m. of flood water, divert to by Pichit 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.7-10,25 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 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 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 3005 Ta Ta Kui – Krok Pra at k.m. 1-2, 50 c.m. of flood water, no alternate route, Route 3522 Junction to Payuha Kiri at k.m. 2-4, 50 c.m. of water flood, divert to route 1 Payuha Kiri – Nakhonsawan; Route 3475 Thab Krit-Phanom Rod at k.m. 0-8, 30-50 c.m. of flood water, divert

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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, 35 c.m. of flood , divert to Asia Highway route 32 ; **Lopburi Province :** Route 3019 Khao Pra Ngam – Kok Kra Tiem at k.m. 1-2, 50 c.m. of flood water divert to Route 1 Khok Samrong; **Trad Province:** Route 3158 Panom-Nawong at k.m. 9-10, 30 c.m. of flood water divert to route 3157 Tajod - Chang Toon; **Suphanburi Province:** Route 340 Suphanburi Junction at k.m. 0-1, 40 c.m. of flood water, divert to route 340 to Supahnburi; **Chiyaphum Province:** Route 255 Kew Khao-wang Kratha Hubpho at k.m. 153-155, 50-100 cm. 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: 49 rural roads in 19 provinces are not passable (1 road in Phitsanulok, Pang-Nga, Ubon Ratchathani, Uthaithani, Nakhon Si Thammarat, Suphanburi, Rayong, Sisakes, Nakhonnayok and Lopburi; 2 roads in Chaiyaphum, Amnartchareon, Nakhon Panom, Chainat and Tak ; 3 roads in Chiang Mai and Chanthaburi; 9 roads in Phichit; and 14 roads in Nakhon Sawan). **Additional inquiry, call 1146.**

1.4.3 Ground Water Resources

The total of 8,974 ground water ponds/wells is affected, while the 3,457 closed system pond/wells are damaged by flood. The Department of Groundwater Resources has distributed 2,348,698 liters of drinking water for affected people. (Department of Groundwater Resources)

1.5 Important Assistance Provision

- 1.5.1 **The Prime Minister (Ms.Yingluck Shinawatra) and concerned ministers** launched “The Flood Relief Caravan” at 10.00 hr. from The Parliament, Bangkok. Then, they are also cruising along Chao Phraya River from Pakred of Nonthaburi Province to The Royal Thai Navy in Bangkok to monitor the water situation.
- 1.5.2 **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.
- 1.5.3 **The Royal Thai Police** has been supporting operational resources, including cadres of patrol police, rescue boats, to be ready for deploy to help the affected people.
- 1.5.4 **National Public Relations Department** disseminated situation update to the public through radio, television, online networks so as to ensure the accessibility of the information.
- 1.5.5 **Ministry of Public Health** has implemented the followings;
- (1) Visiting the evacuation sites to provide information and guidance on self hygiene to the affected people and concerned officials. For more information, visit www.hed.go.th
 - (2) Urging any health care facilities at risk checks the availability and condition of the radio devices and networks to be ready for use during emergency
 - (3) Requesting Public Health Provincial Offices to investigate loss and damage at the affected hospitals especially the local health care facilities.
 - (4) Inburi Hospital has transferred in patients and medicine to the second floor to avoid damage from the next round of flooding during 18-19 September
- 1.5.6 **Emergency Institute of Thailand** reported of the rescue operation for one patient in Phromburi District. They also called for preparation at the local level in flood affected areas to be ready for deploy when request.

2. SITUATION ASSESSMENT/FORECAST

- **Hydro and Agro Institute** forecasted for the first 12 hours, heavy rainfall in upper northeastern in Nong kai, Bung Kan, Nakhon Panom on dated 18 September. The monsoon trough lies across the lower northern. Keep close watch weather forecast at the central and lower northeastern part for flood.
- **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:** Inundation is expected at Bunphot Phisai District of Nakhon Sawan Province.
- **Yom Basin:** Inundation is decreasing 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 is expected in Phitsanulok (Phrom Phiram and Wat Bot District), while flood remains in Phitsanulok Province (Nakhon Thai, and Meuang District). Nakhon Sawan (Chum Sang District) and Phichit (Bang Mun Nak, and Meuang District).
- **Pasak Basin:** Inundation in Wichian Buri District of Petchabun province is increasing.
- **Prachinburi River Basin:** Inundation is decreasing in Muang District of Prachinburi Province, while Kabinburi District is increasing.
- **Shi Basin:** Inundation is increasing in Roi-Et province (Jung Han and Thung Khao Luang District), 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 (Suvannabhumm district), and Si Saket Province (Payuha, Kantararom and Huay Taptan District). Inundation is decreasing in Ubon Ratchathani (Muang, 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.
- **Mae Khong Basin:** the inundation is reported in Muang District of Udon Thani and Ban Muang District of Sakon Nakorn 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 102 Percent of retention capacity.
- **Pasak Dam;** it reached 109 Percent of retention capacity.
- **Bangkok Metropolitan Administrative (BMA)** The highest water level in the river is 1.60 m. at 20.30 hr. The highest sea level rise is expected on 18 September 2011, at 10.04 hr. and 20.50 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, or <http://dds.bangkok.go.th>

3. WARNING AND ADVISORY MESSAGE

- **Water Resource Department** advised the following:
 - Evacuation preparation in Ban Sakad Klang, Ban Phu Kok, Ban Sakad Nue, and Ban Sakd Tai in Pua District; and ban Pha Nam Yoi in Chiang Klang District of Nan Province due to expecting heavy rainfall.
 - Water situation Watch in Ban Kra Nae, Dok Khwai Sub-District in Ban Rai District of Uthaitхани Province
- **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, Kampangpetch 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

- Wearing safety vest during operation in flooded areas is still strongly advised, even though most officials are observed wearing the safety vests.
- According to the PM advice, a group of flood affected provinces is assigned to be under each of the designated Ministers. Provinces that have already finished the damage and loss assessment (5,000 baht per family) should inform the minister in charge for the guidance of compensation provision.