

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

DATE: Monday, September 19, 2011	TIME: 09.00	LOCATION: Meeting Room 2, Ministry of Interior
CHAIRPERSON: Mr. Prateep Kiratirekha, 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 171 Districts, 1,164 Sub-Districts, 7,688 Villages, 471,007 families and/or 1,568,935 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 moderate high pressure area from China will extend its ridge to upper Thailand this cause monsoon trough over neighboring Myanmar and upper Laos moves across to the North and upper Northeast Thailand. Abundant rain and heavy falls are expected much of the areas. The monsoon trough will lie across the Central and the lower Northeast around 20-23 September 2011, and the southwest monsoon over the Andaman Sea, Southern Thailand and the Gulf of Thailand will intensify. More rain is expected over the upper portion of the country. (Thai Meteorological Department : TMD)
- 1.3 Amount of Rainfall:** The heaviest rainfall in the past 24 hours is at Meuang District of Nongkhai Province at 156.0 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:** 21 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 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 21 To Lom Sak at k.m. 9-10, 40 c.m. of flood water, divert to route Petchabun-Lomsak; 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 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 3024 Ban Mi-Khao Chong Lom at k.m. 6-7, 70 c.m. of flood water, divert to route 1 Khok Samrong-Lopburi; **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: 74 rural roads in 21 provinces are not passable (1 road in Phitsanulok, Pang-Nga, Ubon Ratchathani, Uthaithani, Nakhon Si Thammarat, Suphanburi, Rayong, Sisakes, Nakhonnayok, Chiang Mai, Nakhon Ratchasima, Nakhon Phanom, and Lopburi; 2 roads in Tak; 3 roads in Petchabun, Chaiyaphum, and Chainat; 4 roads in Amnatcharoen, and Singburi; 17 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. (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.

2. SITUATION ASSESSMENT/FORECAST (CON'T)

- **Pasak Basin:** Inundation in Wichian Buri District of Petchabun province keeps increasing.
- **Prachinburi River Basin:** Inundation is decreasing in Meuang District of Prachinburi Province, while Kabinburi District is increasing.
- **Mun Basin:** Inundation remains and likely to decrease in many areas, including Nakhon Ratchasima (Choke Chai, and Phimai District); Si Saket Province (Payuha, Kantararom and Huay Taptan District); and Burirum Province. But, inundation is likely to increase in Phimai District of Nakhon Ratchasima Province; Suvannabhum 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 decrease 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).
- **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.
- **Sakaekran Basin:** Inundation is increasing in Meuang District of Uthaitani Province.
- **Lower Chao Phraya Basin:** Water level is increasing. Inundation at 0.25 m. was reported in lowlands of Uthaitani, Chainat, Singburi, Ang Thong, Suphanburi, Phra Nakhon Si Ayutthaya, 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 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 expected at 10.55 hr. and 20.28 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

- **Thai Meteorological Department** issued Warning No. 2 of September 19, 2011 at 5.30 a.m.: The moderate high pressure area from China will extend its ridge to upper Thailand this cause monsoon trough over neighboring Myanmar and upper Laos moves across to the North and upper Northeast Thailand. Abundant rain and heavy falls are expected much of the areas. The monsoon trough will lie across the Central and the lower Northeast around 20-23 September 2011, and the southwest monsoon over the Andaman Sea, Southern Thailand and the Gulf of Thailand will intensify. More rain is expected over the upper portion of the country.
- **Water Resource Department** advised the following:
 - Warning issued for 4 districts of nan Province, including 1) Tha wang Pha District at Ban Saphan Na Nun, Pha To Sub-district; 2) Pua District at Ban Sakad Klang, Ban Phu Kok, Ban Sakad Nue, and Ban Sakad Tai in Sakad Sub-District; 3) Chiang Klang District at Ban Pha Num Yoi of Phaya Kaew Sub-District; and 4) Thung Chang District at Ban Ngob Nue in Pon Sub-district.
 - Close watch is advised in 2 provinces, namely, 1) Chiang Rai province in Ban Pha Tang, Po Sub-District, Wiang Kaen District. 2) Nan Province in Ban Pang Kae, Thung Chang District.
- **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

- Department of Provincial Administration should coordinate with the Royal Irrigation Department to inform the water situation to the public in affected areas.
- Based on the visit of The Prime Minister at the affected areas in Phra Nakhon Sri Ayutthaya, and Nakhon Sawan Province on 17 September, The PM has ordered concerned agencies as the followings;
 - Damage to both public and private properties should be mitigated by all agencies concerned on a unison basis. For water management plan in the future, agencies in charge should consider the zoning strategy by the collaboration between the risk provinces and departments concerned, including The Royal irrigation Department, Water Resource Department, The Royal Thai Army, The Local Administrative Offices, and other related agencies. The results of the planning should be informed to The Department of Disaster Prevention and Mitigation.
 - For the areas suffering from long period of flooding where people cannot earn a living, the province should coordinate with the Ministry of Labour or use the contingency fund to provide short-term vocational training for those affected. The training provision using the Fund should comply to the Compensation Regulation of the Ministry of Finance in 2008.
 - If any affected areas would like to have special support from the central government, they can make inquiries directly to the Department of Disaster Prevention and Mitigation or call directly to the Director-General of DDPM at 08-1902-0990 or Director of Disaster Mitigation Directing Center at 08-1175-3920.