

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

DATE: Sunday, October 2, 2011	TIME: 09.00	LOCATION: Meeting Room 2, Ministry of Interior
CHAIRPERSON: Mr. Chatpong Chataphuti, 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, Khon Kaen, Chacheongsao, Nakhon Nayok, Prachinburi, Chaiyaphum, Srisaket and Surin. The total of 150 Districts, 1,077 Sub-Districts, 7,750 Villages, 559,895 families and/or 1,841,385 people are affected by the flood. The total fatalities are 206 deaths and 2 missing. (Missing: 1 in Mae Hong Son, 1 in Uttaradit and 1 in Chiang Mai)
- 1.2 Amount of Rainfall: The heaviest rainfall in the past 24 hours is in Nong Lad Sub-District, Waritchaphum District of Sakonnakhon Province at 164.0 mm.
- 1.3 Estimate Losses and Damages:
- 1.3.1 Agricultural Impact: Farming areas which would be affected are estimated at 7.52 million rai; 107,732 rai of fish/shrimp ponds and 8.5 million of livestock (source: Ministry of Agriculture and Cooperatives).
- 1.3.2 Transportation Routes:
- Highway: 37 main highways in 10 provinces are flooded and cannot be passed. For more information, contact 1568 or DDPM Hotline 1784.
- Rural roads: 113 rural roads in 20 provinces are not passable. Additional inquiry, call 1146.
- Railways: The north-bound stopped at Meuang District, Lopburi Station. For more information, contact State Railway of Thailand's Hotline 1690.
- 1.3.3 Underground water resources: 27,567 wells and 5,567 enclosed wells were affected. The Department of Underground Water Resource has been providing more than 2.8 million liters of water in the flood affected areas. The Department provided drinking water in 5 provinces namely; Phitsanulok Province, Uthai Thani Province, Ang Thong Province, Singburi Province and Ubon Ratchathani Province.
- 1.4 Important Assistance Provision
- 1.4.1 The Military has mobilized additional resources from 3 services (The Royal Thai Army, the Royal Thai navy and The Royal Thai Air Force) for the flood affected areas, including the distribution of drinking water, relief kits, and fixing the watergate of Bang Chom Si in Singburi province.
- 1.4.2 The Royal Thai Police dispatched officers to assist affected people to evacuate their properties and increase the security in the affected area. Additionally, RTP also prepare the aircraft to evacuate people and distributed relief kits to victims.
- 1.4.3 Department of Public Health reported that there were 342 health stations affected by the flood. The total of service provided by the Department of Mental Health Service: 53,448 cases (1,582 cases of high stress, 3,239 cases of depression, 443 cases of high risk of suicide, and 685 cases of closely monitoring patient)
- 1.4.4 Emergency Medical Institute of Thailand reported the emergency medical operation in the flood area: 3 cases in Phra Nakhon Si Ayutthaya province were transported to the nearby hospitals. EMIT also dispatched officers from the Central Office to the affected provinces for additional support of operation and mental support to the local staff.

2. SITUATION ASSESSMENT/FORECAST

- The Thai Meteorological Department reported that within this 24 hrs., heavy rainfall is expected over the North (Chiang Rai, Phayao, Nan, and Lampang) and the upper Northeast of Thailand (Sakon Nakhon). Though the Tropical Depression "Nesat" has already dispersed last night, on October 3, 2011, heavy rainfall is also expected in 6 Andaman Provinces especially in Ranong, and Pang Nga Province; and eastern side of Thailand, including Chanthaburi, Trat, Prachinburi, Nakhon Nayok, and Sakaew Province.
- The Department of Mineral Resources: warned of flashflood and landslide in Phayao Province (Chiangkham and Pong District); Phrae Province (Wangchin District), Phitsanulok Province (Nakhon Thai District), and Loei Province (Na Haew District).
- Royal Irrigation Department (RID):

River Basins

- **Ping Basin:** Inundation is decreasing in Sankamphang District of Chiang Mai Province, while increased inundation is reported in Meuang District of Lamphun Province. However, the flood water is expected to be below the river bank by this nightfall. River overflow can be observed in lowlands of several areas, including Chiang Mai province (District of Hang Dong, Saraphi, San Patong, Chomthong, Hod, and Doi Tao); Lamphun province (District of Pasang, and Wieng Nong Long). Water situation in Banphotphisai of Nakhon Sawan Province is below the river bank, but likely to increase.
- **Yom Basin:** Inundation remained and likely to decrease in Bang Rakum District of Phitsanulok Province and 3 districts (Sam Ngam, Pho Thale, and Pho Prathap Chang) of Phichit Province.
- **Nan Basin:** Inundation is likely to remain in Phrom Phiram District of Phitsanulok Province; Bang Mun Nak, and Meuang District of Phichit province; and Chum Sang District of Nakhon Sawan Province.
- **Pasak Basin:** Inundation in Wichian Buri District of Petchabun province is decreasing.
- **Prachinburi River Basin:** Inundation in Meuang and Kabinburi District of Prachinburi Province is increasing.
- **Mun Basin:** Inundation remains and likely to increase in Chok Chai District, Dan Khun Tod District and Non Thai District while the overflow is likely to decrease in Pimai District of Nakhon Ratchasima Province. The overflow is likely to increase in Satuk, and Krasang District of Buriram Province. Similarly, inundation remains and likely to increase in Suvannabhum District of Roi-Et Province; Ta Tum District of Surin Province; and Huay Thap Thun District, Meuang District and Rasisalai District of Srisaket Province. However, decreasing inundation is reported in Meuang, Trakan Phutphon, and Detodom District of Ubonratchathani province.
- **Chi Basin:** Inundation is decreasing in Mahasarakham Province (Kosumphisai District); Khon Kaen Province (Munjakhiri District); Roi-Et province (Jung Han and Thung Khao Luang District); and Kalasin Province (Kamonlasai District). Chaiyaphum Province (Meuang District). Close watch should be made at Meuang District of Khon Kaen Province, and Meuang District of Mahasarakham Province where river overflow is expected within 1-2 days.
- **Sakaekrang Basin:** Inundation remains 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 and Nakhon Chaisi District of Suphanburi Province.

Major Dams

- Bhumibol Dam: it reached 93 Percent of retention capacity.
- Sirikit Dam: it reached 99 Percent of retention capacity.
- Kwae Noi Dam: it reached 94 Percent of retention capacity.
- Pasak Dam: it reached 136 Percent of retention capacity.

2. SITUATION ASSESSMENT/FORECAST (CONT)

- Department of Water Resources: Water level in Mae Khong is likely to increase Chiang San, Nongkhai province, while Nakhon Phanom, Mukdahan, and Khong Jiam are lowering. This will be the advantage for draining water.
- Bangkok Metropolitan Administrative (BMA) On October 2, the highest sea level is expected at 10.45 a.m. 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, Lad Krabang and Khlong Sam Wa District. 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>.
- Hydrographic Department of the Royal Thai Navy: forecasted the water level of Chao Phraya River within 24 hrs of October 3, 2011 that the highest water level today is at 12.08 hr. at 1.85 m. (above averaged sea level) and at 20.54 hr. at 1.93 m. (above averaged sea level).

3. WARNING AND ADVISORY MESSAGE

- Thai Meteorological Department (TMD) issued warning Tropical Storm "Nesat" No.11 dated October 1, 2011 at 16.30 hr.: At 13.00 hr. of October 1, 2011, tropical depression "Nesat" has been downgraded to the active low cell and cause scattered rain and isolated heavy rainfalls likely over the North and the upper Northeast of Thailand, especially in Mae Hong Son, Chiang Rai, Chiang Mai, Phayao, Phrae, Tak, Loei, Nong Khai, Bueng Kan, Sakon Nakhon and Nakhon Phanom. People in the areas are warned of flash flood during 1-2 days. The strong southwest monsoon remains over the Andaman Sea, southern Thailand and the Gulf of Thailand. The strong 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.

4. THE 2P2R MEASURESPreventive measures

- 4.1 Ministry of Natural resources and Environment and its offices at all level are urged to immediately solve the flood associate problem such as waste water and garbage treatment in the flooded areas.
- 4.2 Department of Provincial Administration should conduct a survey of non-flood areas in the flooded provinces for further developing those safe areas to be the evacuation sites. They also are requested to investigate the remote areas which have the difficulties in transporting relief items and providing assistance. This will be the baseline data for requesting air operation support from the Army.
- 4.3 Provincial Public Health Office and Surveillance and Rapid Response Team (SRRT) should take a proactive action in monitoring environmental impact by flood so as to develop a precaution and communicable disease control, particularly diarrhea.
- 4.4 Based on the Resolution of the Central EOC of October 1, 2011, Provincial Public Health Office should coordinate with The Governor and concerned agencies to take preventive measures for waste flood water treatment, and water and food quality control. This is aimed at prevent the potential communicable diseases arise from long-term flooding.
- 4.5 Department of Health, Department of Disease Control and Department of Medical Science of Ministry of Public Health should collaborate and support the food and water quality control operation of the provinces.