

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

DATE: Wednesday, October 4, 2011	TIME: 09.00	LOCATION: Meeting Room 2, Ministry of Interior
CHAIRPERSON: Mr. Phranai Suwannarat, Permanent Secretary for Minister of Interior		

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, Khon Kaen, Chacheongsao, Nakhon Nayok, Prachinburi, Chaiyaphum, Srisaket, Yasoothorn, Roi-et, and Surin. The total of 178 Districts, 1,387 Sub-Districts, 10,708 Villages, 791,423 families and/or 2,474,128 people are affected by the flood. The total fatalities are 224 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 Koh Tan Sub-District, Khanuworluckburi District, Kumpangetch Province at 178.5 mm.
- 1.3 Estimate Losses and Damages:
- 1.3.1 Agricultural impact: Farming areas which would be affected are estimated at 7,528,805 rai; 107,732 rai of fish/shrimp ponds and 8.5 million of livestock (source: Ministry of Agriculture and Cooperatives as of 3 October 2011).
- 1.3.2 Transportation Routes:
- Highway: 47 main highways in 12 provinces are flooded and cannot be passed. For more information, contact 1568 or DDPM Hotline 1784.
- Rural roads: 121 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: 31,120 wells and 5,848 enclosed wells were affected. The Department of Underground Water Resource has been providing more than 2.9 million liters of water in the flood affected areas. The Department provided drinking water in 5 provinces namely; Phitsanuloke 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 resources for the flood affected areas in 28 provinces with over 4,000 soldiers, 14 engine boats, 6 Mobile Medical Service Team to and food to help victims. The regional army centers have been assisting in the severe affected areas of Chiang Mai Province, Phitsanuloke Province, Phra Nakorn Sri Ayuthaya Province, Lopburi Province, Angthong Province, Singburi Province and Ubon Ratchathani Province.
- 1.4.2 The Royal Thai Police dispatched officers and provided flat boats to assisted affected people to evacuate their properties and increase the security in the affected area. Additionally, the police officers have been assigned to suppress disputes for overflow drainage among neighboring communities with the provincial office.
- 1.4.3 Department of Public Health reported that there were 354 health stations affected by the flood. The total of service provided by the Department of Mental Health Service: 65,724 cases (1,645 cases of high stress, 3,454 cases of depression, 455 cases of high risk of suicide, and 706 cases of closely monitoring patient). Provided medicines and supplies 1.18 million sets, 171,000 tubes of tinea pedis prevention wax and 160 serum cylinder.

- 1.4.4 Emergency Medical Institute of Thailand reported the emergency medical operation in the flood area: 3 cases (2 cases from Uthaitхани and 1 case from Chiang Mai Province) were transported to the nearby hospitals. WHO provided emergency funds of 100,000 Baht per each affected provinces to purchase life vests and support administration costs.
- Preparation: Coordination with Department of Public Health in preparing the map and evacuation route for hospitals in the affected areas.
 - Response: EMIT has been arranging air transportation to deliver medical supplies and medicine into the unreachable areas in Lopburi Province.

2. SITUATION ASSESSMENT/FORECAST

- The Thai Meteorological Department expected the heavy rainfall in the Northeastern (Leoi Province), Eastern, and upper Southern of Thailand as the tropical storm lands on 5 October in Vietnam.
- Royal Irrigation Department (RID):
 - River Basins
 - **Ping Basin:** Inundation is likely to decrease at Mae Jam District in Chiang Mai Province today and in Chom Thong District will take couple days to decrease. Inundation in Mae Wang District and Hod District in Chiang Mai. Also the water is likely to decrease along Ping River in Mueng District of Lamphun Province. The inundation at Banpotpisai District of Nakhon Sawan Province is below the water bank and likely to increase.
 - **Yom Basin:** Inundation remained and likely to decrease in Bang Rakum District of Phitsanulok Province and water level in 3 districts (Sam Ngam, Pho Thale, and Pho Prathap Chang) of Phichit Province is likely to decrease.
 - **Nan Basin:** Inundation is likely to remain in Bang Mun Nak, and Meuang District of Phichit province, Chum Sang District of Nakhon Sawan Province. While the water level is likely to increase in Chum Seang District, Nakorn 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 as well as in Muang District, Nakorn Nayok Province is required to keep update situation.
 - **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 Detudom Distict of Ubonratchathani province.
 - **Chi Basins:** Inundation is increasing in Maharakham Province (Kosumphisai District); Khon Kaen Province (Munjakhiri District); Roi-Et province (Jung Han and Thung Khao Luang District), Kalasin Province (Kamonlasai District), Chaiyaphum Province (Meuang District), Khon Kaen Province, Meuang District of Maharakham Province and Si That District of Udonthani Province.
 - **Mae Khong Basin:** the inundation is increased, keep up monitored closely.
 - **Sakaekrang Basin:** Inundation is likely to decrease 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 95 Percent of retention capacity.
 - Sirikit Dam: it reached 99 Percent of retention capacity.
 - Kwae Noi Dam: it reached 96 Percent of retention capacity.
 - Pasak Dam: it reached 138 Percent of retention capacity.

2. SITUATION ASSESSMENT/FORECAST (CONT)

- Department of Water Resources: Posted the early warning to monitor the water at 10 water stations in Phang nga Province, Mae Hong Sorn Province, Ubon Ratchathani Province (Yellow level: Prepare to evacuate), Pitsanulok Province, Kumpangpetch Province, and Tak Province (Green level: Monitoring)
- Bangkok Metropolitan Administrative (BMA) On October 4, the highest sea level is expecting at 01.33 PM and 09.29 PM. 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. 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 (TMD): issued warning Tropical Storm "NALGAE" No.4 dated October 4, 2011: At 10.00 a.m. today (Oct 4), tropical storm "NALGAE" over the South China Sea was centered about 100 kilometers southeast of Hainan island, China or at latitude 18.1 °N, longitude 111.1 °E with maximum sustained wind 95 km/hr. It was moving west with speed 10 km/hr. It is expected to make landfall over upper Vietnam on 5 October.

The monsoon trough lies across the Central, the lower Northeast and the East of Thailand. The active southwest monsoon prevails over the Andaman Sea, Thailand and the Gulf of Thailand. Torrential rain is likely over the whole country with isolated heavy rain in the lower North, the lower Northeast, the Central, the East, and the South west-coast. People should beware of severe heavy rain during 1-2 days. 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.

- Department of Land Resource warned the residents in risk areas for landslide and flashflood at Mae Sariang District, Sob Mei District in Mae Hong Sorn Province, Mae Ra Mard District, Tha Song Yang District and Mae Sord district in Tak Province, Klong Larn district in Kumpangpetch Province, Klung District in Chanthaburi Province. Koh chang District, Boh Rai District in Trat Province, Kuraburi and Krapor Districts of Ranong Province, Krapong, Thaimuang, and Takuapha Districts of Phang Gha Province, and Phanom District in Suratthaini Province.

4. THE 2P2R MEASURES**Preparation Measure:**

- 1) Monitoring inundation in Phra Nakorn Sri Ayudthaya Province, especially in Chaiwatthanaram Temple, Phom Petch, and Koh Muang, and coordinate with the military base in the area to assist with flood prevention.
- 2) Royal Thai Army has provided the list of available air transportation for distributing relief goods to the affected population. For EOC to send out the list to the province and direct the usage of such resources for relief efforts only.

Prevention Measure:

- 1) For all the agencies to send in warning information immediately.
- 2) For the province to follow the Checklist strictly.
- 3) To utilize the water flow map in early warning.
- 4) To follow up and monitor the flood water and situation in the Northern Provinces closely and analyze the data to indicate the future areas where the water will inundate and warn such areas of incoming water.

Response Measure:

- 1) DDPM Regional Office in Phatum Thani Province has been deployed to assist with flood in Phra Nakorn Sri Ayudthaya Province.