

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

DATE: Friday, November 18, 2011	TIME: 09.00	LOCATION: Disaster Relief Operation Center at Energy Complex
Source: Secretariat of the EOC gathered information from the concerned agencies for daily update		

1. CURRENT SITUATION

1.1 Current flooded provinces: there are **19** recent flooded provinces: **North:** Nakhon Sawan; **Centra:** Chai Nat, Ang Thong, Phra Nakhon Si Ayutthaya, Lopburi, Saraburi, Suphan Buri, Nakhon Pathom, Pathumthani, Nonthaburi, Samutsakhon, Samut Prakarn and Bangkok; **Northeast:** Ubon Ratchathani, Srisaket, Roi-et, and Kalasin; **Eastern:** Chacheongsao, Nakhon Nayok. The total of **133** Districts, **942** Sub-Districts, **6,578** Villages, **1,921,441** families and/or **5,146,819** people are affected by the flood. **The total fatalities are 594 deaths and 2 missing.** (Missing: 1 in Mae Hong Son, and 1 in Uttaradit)

1.2 Amount of Rainfall: The heaviest rainfall in the past 24 hours is in Khlong Khanan Sub-District, and Khao Chai Son Sub-District of Phutthalung Province at 39.0 mm.

1.3 Estimate Losses and Damages:

1.3.1 Agricultural impact : Farming areas which would be affected are estimated at 11,200,000 rai; 231,919 rai of fish/shrimp ponds and over 28.74 million livestock (source: Ministry of Agriculture and Cooperatives).

1.3.2 Transportation Routes :

Highway **53** main highways in **9** provinces are flooded and cannot be passed. For more information, contact 1568 or DDPM Hotline 1784.

Rural roads **168** rural roads in **28** provinces are not passable. Additional inquiry, call 1146.

Expressway Authority of Thailand The EXAT together with The Royal Thai Police moved the cars, shelters, street vendors and taxi motorcyclists that parked and obstructed traffic on the express way out off the way. In addition, the EXAT keeps exempted fare for 6 routes, namely (1) Kanchanaphisek Express Way (Bang Phli-Suksawas) (2) Buraphawithi Express Way (3) Chalongraj Express Way (4) Sri Ratch Express Way (5) Chalong Ratch Express Way and (6) Chalerm Mahanakorn Express way until 24.00 p.m. of 20 November 2011. **For more information, contact EXAT Call Center 1543 24 hrs.**

State Railway of Thailand 12 routes affected from floods as the followings;
Northern Routes: (1) Don Mueang – Rangsit; (2) Rangsit – Chiang Rak and (3) Chaing Rak – Chiang Rak Noi

Southern Route (1) Bang Sue Junction – Bang Bam Ru ; (2) Taling Chan Junction – Sala Thammasop ; (3) Salaya – Wat Suwan ; (4) Wat Suwan – Ngew Rai ; and (5) Nong Pla Duk Junction – Suphan Buri

Additional inquiry Call State Railway of Thailand Information Center 1690, 24 hrs.

The Transport Co.Ltd.

Flood affected provinces caused impassable for parts of routes in Phra Nakorn Si Ayutthaya, Pathumthani and Nonthaburi Province.

Northeast Route (In-Out bound) starts from Bangkok Bus Terminal (Chatuchak) – Sri Ratch Express Way – Ram In Tra Express Way – Lam Luk Ka District, Pathum Thani Province – Nakhon Nayok Province – Ban Na District of Nakhon Nayok Province – Hin Kong District of Saraburi Province – Nakhon Nayok Province – Mittrapap Road – Take regular roads.

Northern Routes (In-Out bound) starts from Bangkok Bus Terminal (Chatuchak) and takes regular roads.

For more information, contact 24 Hr-Hotline 1490.

1.4 Important Assistance Provision

1.4.1 The Military mobilized a wide range of resources to the flood affected areas, including;

The Royal Thai Armed Force: support manpower and heavy equipment to assist people in disaster affected areas, including BMA, Samutprakarn, Nonthaburi, Pathumthani, Chachoengsao, Phranakhon Si Ayutthaya, Uthaithani, and Uttaradit Province. They assisted in retrofitting 4 flood embankments at the area of local road, Don Mueang Airport, Chantarubeksa Road, and Paholyotin Road. They also are ordered to safeguard and repair the embankments at the areas.

Royal Thai Army: dispatched a cadre of manpower and heavy equipment for land, marine and air operation, together with specialist mobile unit for medical and mental health care to the affected areas. They also provided transportation for the public in 44 routes of Nonthaburi Province (35 routes for road, and 9 for boats) and 9 routes in BMA.

The Royal Thai Navy: dispatched officers and heavy equipment for water operation to help people affected by flooding. They also retrofitted 4 flood embankments in Thaweewattana District of BMA and pushed out water from major rivers and canals around BMA.

The Royal Thai Air Force: dispatched officers and aircrafts as well as boats to help the flood victims in BMA, Pathumthani, and Nonthaburi Province. They assisted in pumping out water in the inundated areas. They also provide transportation for the public in many areas and secure the flood walls.

1.4.2 Ministry of Interior

Department of Disaster Prevention and Mitigation assigned Deputy Director General (Mr. Prateep Kiratirheka) to run the joint mission for sand bags production by mobilizing manpower from DDPM Emergency Response Team (ERT) together with DDPM officials (33 people), Territorial Defence Volunteers (51 people) to secure the area at all time. They also are able to produce additional 138 big sand bags and 49,960 small sand bags for flood fighting activities, provided 32,040 sand bags to many organizations/agencies.

The Department of Provincial Administration received 16,407 petitions from 17 provinces and 16,352 of which have already been solved since 9 October to 17 November 2011. They also dispatched a cadre of the Territorial Defence Volunteers from the non-flood affected province to help flood victims in 5 provinces, 21 districts, and assisted FROC's activities.

1.4.3 Ministry of Natural Resources and Environment

Department of Water Resources (DWR) provided 2,357,444 Dasta Balls and 197,453 bottles of liquid EM to the public. They can pump out water at the west side of Tha Chine River altogether 10,979,088 m³ of flood water since 26 Oct. – 17 Nov. 2011. They also installed water purification distributors near Thaweewattana Canal, Department of Water Resources and National Stadium.

1.4.4 Ministry of Public Health dispatched medical care mobile units to assist flood victims in BMA, including districts of Saimai, Rangsit, Nongkham, Bangkhae, Thaweewattana, Don Mueang, Saphansung, Phasicharoen, Klong Samwa, Chomthong and Chatuchak.

1.4.5 National Public Relations Department disseminated daily warning messages, FROC operation, victim assistance, knowledge issues and live broadcast from flood affected areas via T.V., Radio Stations and www.prd.go.th.

2. SITUATION ASSESSMENT/FORECAST

2.1 Thai Meteorological Department (TMD): High pressure area covered upper Thailand will weaken. Increasing temperature over upper Thailand but still cool to cold weather and fog in the morning. For the Northeast monsoon winds covered the South and the Gulf of Thailand has weakened. Widely scattered to scattered thundershowers in the South and weakening the wind-wave with 1-2 meters high. By 19 November 2011, another high pressure area from China will extend its ridge to upper Thailand. The rain in the first phase and drop of temperature at 3-5 degree can be expected. During 20-22 November 2011, the Northeast monsoon winds covered the South and the Gulf of Thailand become stronger. Wind waves with 2-3 meters high can be expected.

2.2 Royal Irrigation Department (RID):

- Water situation in major basins:

- The North Basins (Ping, Yom and Nan basin): Water level in most areas is below the river bank, except in Bang Rakum District of Phitsanulok Province where water level is 0.33 m. above river bank. However, the water level is likely to decrease.

- **The Central Basins (Thachine and Chao Phraya basin):** Water level in the river at Nakhon Sawan, Chainat, and Ang Thong Province are below river bank. But water level is still higher than the river bank in some districts of Phra Nakhon Si Ayutthaya (Phra Nakhon Si Ayutthaya District and Bang Sai District), Suphanburi (Song Phi Nong District) and Nakhonpathom Province (Banglen and Nakhonchaisi District). However, the water level in the basins is likely to decrease.
- **Chulalongkorn Watergate, Pathum Thani Province** the water level at Chao Phraya River side is decreasing at 0.78 m. below river bank and of Rangsit Prayulsak canal at 1.07 m. below river bank. They are likely to decrease.
- **The Northeastern Basins (Mun and Chi basin):** River overflow is reported in many areas, but likely to decrease.
- **Capacity of water pumping and draining of the Lower Chao Phraya Basin:**
 - **Total amount of water pumping and draining:** 121.30 m³/day
 - **Capacity of water pumping:** Total amount is 48.17 m³/day, in which the eastern side of the river can pump water out at 30.80 m³/day and 17.37 m³/day of the western side of the river.
 - **Capacity of water draining:** Total amount is 73.13 m³/day. The eastern side of the river can drain 15.33 m³/day and 57.80 m³/day at the western side of the river.
- **The capacity of Major Dams:**
 - **Bhumibol Dam:** it reached 99.0 Percent of retention capacity. 24 million cubic meters received, 23 million cubic meters discharged. The additional retention is 108 million cubic meters.
 - **Sirikit Dam:** it reached 99 Percent of retention capacity. 11 million cubic meters received, 13 million cubic meters discharged. The additional retention is 57 million cubic meters.
 - **Kwae Noi Dam:** it reached 100 Percent of retention capacity. 1.0 million cubic meters received, 0.86 million cubic meters discharged.
 - **Pasak Dam:** it reached 128 Percent of retention capacity. 0.73 million cubic meters received, 1.8 million cubic meters discharged.

2.3 **Bangkok Metropolitan Administrative (BMA)** On 18 November, the highest water level in Chao Phraya River at Pak Klong Talad Station was 2.14 meters at 13.19 a.m. The following are overall canals water situation of BMA:

- **Premprachakorn Canal:** water level is decreasing around 2-4 cm. but Don Mueang and Chatuchak have water runoff due to removal of big sand bags at lower Klong Sam Wa Canal.
- **Lad Prao Canal:** water level is decreasing around 1-2 cm.
- **Bang Sue Canal:** water level is decreasing around 2-3 cm.

For more information, contact BMA's EOC at 0-2248-5115 or 24-hr hotline 1555 or visit BMA website at www.bangkok.go.th.

2.4 **Hydrographic Department of the Royal Thai Navy:** On 18 Nov 2011, high-low tide of the sea can be expected at 05.35 a.m. for the lowest at 1.37 m. and the highest at 01.37 p.m. at 2.14 m.