

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

DATE: Thursday, November 24, 2011	TIME: 09.00	LOCATION: Disaster Relief Operation Center at Energy Complex
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Source: Secretariat of the EOC gathered information from the concerned agencies for daily update

1. CURRENT SITUATION

1.1 **Current flooded provinces:** there are **16** recent flooded provinces: **North:** Nakhon Sawan; **Central:** Chai Nat, Ang Thong, Phra Nakhon Si Ayutthaya, Lopburi, Saraburi, Suphan Buri, Nakhon Pathom, Pathumthani, Nonthaburi, Samutsakhon, Samut Prakarn and Bangkok; **Northeast:** Roi-et; **Eastern:** Chacheongsao, Nakhon Nayok. The total of **118** Districts, **937** Sub-Districts, **5,645** Villages, **1,884,182** families and/or **5,042,415** people are affected by the flood. **The total fatalities are 610 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 Shing Ko Sub-District, Singhanakhorn District of Song Kha Province at 119.5 mm.

1.3 Estimate Losses and Damages:

1.3.1 Agricultural impact : Farming areas which would be affected are estimated at 11,490,000 rai; 209,029 rai of fish/shrimp ponds and 29.41 million livestock (source: Ministry of Agriculture and Cooperatives).

1.3.2 Transportation Routes :

Highway **44** main highways in **10** provinces are flooded and cannot be passed. For more information, contact 1568.

Rural roads **156** rural roads in **28** provinces are not passable. Additional inquiry, call 1146.

State Railway of Thailand **Northern Routes:** Bangkok – Chiang Mai starts from Bangkok Terminal (Hua Lampong) and changes routes to Makkasan – Klong Tan – Hua Mak – Hua Takae – Chacheongsao – Kang Koi – Saraburi – Pachi Junction – regular routes. The trains will stop at Chacheongsao and Kang Koi Station only due to the overflow from Don Muang to Phra Nakhon Si Ayutthaya Station.

Southern Routes : Operate regular services from November 22, 2011 starts from Bangkok Terminal (Hua Lampong) and cancels shuttle bus service to Nakhon Pathom Station.

North Eastern Routes From Nov 12 – 26 Dec 2011, two railway lines cancelled namely ; 1) Train No. 141 : Bangkok - Ubon Ratchathani and 2) Train No. 142 Ubon Ratchathani – Bangkok

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) – Don Muang Toll Way – exit at Phaholyothin Road in front of Royal Thai Mint Factory – Bang Pa In Grade Separation - To Right Exit at Wang Noi and takes regular roads.

Northern Routes (In-Out bound) starts from Bangkok Bus Terminal (Chatuchak) - Don Muang Toll Way – exit at Phaholyothin Road in front of Royal Thai Mint Factory – Bang Pa In Grade Separation - To Left Exit at Asia Highways 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. They also are ordered to safeguard and repair the embankments at the areas. The RTAF provided transportation for people in several areas in Bangkok.

The Royal Thai Army: dispatched a cadre of manpower and heavy equipment for land, marine and air operation, together with 13 mobile units for medical and 15 mobile units for mental health care to the affected areas in many areas. They also provided transportation for the public in 8 main routes and supports manpower for sewage treatment.

The Royal Thai Navy: dispatched officers and heavy equipment for water operation to help people affected by flooding. They also pushed out water from major rivers and canals around BMA and Sumut Sakhon Province at Tha Chine River.

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. The RTAF supported aircrafts for aerial photograph at Chulalongkorn Watergate, Don Muang, Lad Prao Junction, San Sap Canal, Sam Wa Canal and Hok Wa Canal.

- The conflicts between flood victims and government sectors, they removed big sand bags causing overflow increased 40 c.m. over the river bank.

1.4.2 Ministry of Interior

The Department of Provincial Administration received 16,686 petitions from 17 provinces and 16,664 of which have already been solved since 9 October to 23 November 2011. They also dispatched a cadre of the Territorial Defence Volunteers from the non-flood affected province to help flood victims in 6 provinces, 44 districts, and

assisted FROC's activities.

1.4.3 Ministry of Public Health supported medical supplies, equipment, boats, water purification machines, life vests and boats for victim assistance.

1.4.4 Ministry of Natural Resources and Environment

Department of Mineral Resources provided manpower for victim assistance and vehicles for public transportation. They also conducted seminar for knowledge dissemination of early warning networking volunteer in 7 southern risk prone provinces.

Department of Water Resources provided drinking water in 6 locations namely; DWR, Taweewatana Canal, Kajok Ngow Foundation, Klong Prem Central Prison Stadium and National Cancer Institute. The Department also distributed EM for water treatment.

2. SITUATION ASSESSMENT/FORECAST

2.1 Department of Mineral Resources disseminated warning message no. 32/2554 to the volunteer to monitor and keep close watch for flashflood and landslide in Surat Thani, Nakhon Si Thammarat, Phattalung, Song Khla, Trang, Satun, Pattani, Yala and Narathiwat from November 24 – 25, 2011.

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, the water level is likely to decrease.
- The Central Basins (Thachine and Chao Phraya basin): Water level in the river at Nakhon Sawan and Chainat, Province are below river bank. But water level is still higher than the river bank in some districts of Ang Thong (Muang District) and Phra Nakhon Si Ayutthaya (Phra Nakhon Si Ayutthaya District and Bang Sai District), Suphanburi (Song Phi Nong 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 1.10 m. below river bank and of Rangsit Prayulsak canal at 1.32 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.

- The capacity of Major Dams:

- Bhumibol Dam: it reached 99.0 Percent of retention capacity. 16 million cubic meters received, 18 million cubic meters discharged. The additional retention is 127 million cubic meters.
- Sirikit Dam: it reached 99 Percent of retention capacity. 12 million cubic meters received, 11 million cubic meters discharged. The additional retention is 68 million cubic meters.
- Kwae Noi Dam: it reached 99 Percent of retention capacity. 0.83 million cubic meters received, 0.86 million cubic meters discharged.
- Pasak Dam: it reached 126 Percent of retention capacity. 0.88 million cubic meters received, 1.38 million cubic meters discharged.

2.3 Bangkok Metropolitan Administrative (BMA) On 24 November, the highest water level in Chao Phraya River at Pak Khlong Talad Station was 2.01 meters at 03.00 p.m. The following are overall canals water situation of BMA:

- **Western Side of BMA** the overflow from water leakage at Don Muang from Rang Sit decreased 2 c.m. and Lower Hok Wa Canal at Song Canal Watergate reduced around 3 c.m.. The overflow still existed at Nam Keaw Canal at Ratchada Road and Premprachakorn Canal at Tawasunthorn.
- **Eastern Side of BMA (Thonburi Area)**, the overflow towards many areas namely; Mahasawas Canal at Bhuttamonton Sai 2 Road, Bang Prom Canal at Kanchanapisek Road and Bhuttamonton Sai 3 Road, Bang Cheuk Nung at Bhuttamonton Sai 2 Road, Bang Wag at Bhuttamonton Sai 1 Road and Taweewatana Canal.

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 24 Nov 2011, high-low tide of the sea can be expected at 00.19 a.m. for the lowest at 1.03 m. and the highest at 11.41 a.m. at 2.13 m.

3. Warning / Advisory Messages

Department of Meteorological During 24-25 November, the strong northeast monsoon affects torrential rain and heavy to very heavy rainfall in many places of the south east-coast from Surat Thani southward. People in risky areas along foothills near waterways and in lowlands are warned of flash flood. The areas include Surat Thani, Nakhon Si Thammarat, Phatthalung, Songkhla, Pattani, Yala, Narathiwat, Trang and Satun. The strong wind-waves in the lower Gulf of Thailand from Nakhon Si Thammarat southward are expected 2-4 meters high. All ships should proceed with caution and small boats stay ashore. People along southern east-coast are warned of high surfs.

The ridge of active high pressure and the westerly trough from Myanmar covers upper Thailand. Rain and reduced temperature are expected with continuous cooler weather and frost on high mountains of the North.