

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

DATE: Friday, November 25, 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 **22** recent flooded provinces:

1.1.1 **Upper Thailand:** There are **16** provinces affected by flood. **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 **116** Districts, **924** Sub-Districts, **5,530** Villages, **1,879,224** families and/or **5,036,020** people are affected by the flood. The total fatalities are **615** deaths and **3** missing. (Missing: 2 in Mae Hong Son, and 1 in Uttaradit)

1.1.2 **Southern Thailand:** There are **6** provinces affected by flood, namely Phatthalung, Suratthani, Nakhon Si Thammarat, Yala, Songkla, and Narathiwat. The total of **26** Districts, **90** Sub-Districts, **446** Villages, **28,581** families and/or **90,869** people are affected by the flood. However, only Phatthalung is under state of emergency, while Songkla, the situation is back to normal. The rest is under preparation for declaring the state of emergency. The total fatalities are **2** deaths; **1** in Yala, and **1** in Songkla.

1.2 **Amount of Rainfall:** The heaviest rainfall in the past 24 hours is in Sawi Sub-district, Sawi District of Chumpon Province at 72.0 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** **43** main highways in **11** 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** There are 7 routes that cannot be operated; 2 northern routes, 3 for southern, 1 for Suphanburi, and 1 for Wongwienyai-Mahachai. **Northern Routes:** Don Mueang-Rangsit and Rangsit-Chiang Rak; **Southern Routes** : Bang Sue-Bang Bumru, Salaya-Wat Suwan, Wat Suwan-Wat Ngiew Rai; **Suphanburi Route:** Nong Pak Chi-Ban San Makham Lom; **Wongwien Yai-Mahachai Route:** Bangbon-Rang Pho. Additional inquiry Call State Railway of Thailand Information Center 1690, 24 hrs.

<b>The Express Way Authority</b>	The EXAT extends fee exemption for Inter-City Motorway on Highway No. 9 (Eastern Ring Road), Tunyaburi, and Tap Chang until 30 November 2011 at 24.00 hr. But, fee exemption is cancelled for Inter-City Motorway on Special Highway No. 7 (Bangkok-Chonburi), Ladkrabang, and Pan Thong.
<b>The Transport Co.Ltd.</b>	<p>Flood affected provinces caused impassable for parts of routes in Phra Nakorn Si Ayutthaya, Pathumthani, Nonthaburi Province, and BMA.</p> <p><b>Northeast Route (In-Out bound)</b> has two options: (1) 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, (2) starts from Bangkok Bus Terminal (Chatuchak) – Prachanukul Road – Changwattana Express Way – Exit at Thammasat University (Rangsit Campus) – Bang Pa In Grade Separation - To Right Exit at Wang Noi and takes regular roads.</p> <p><b>Northern Routes (In-Out bound)</b> 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.</p> <p><b>For more information, contact 24 Hr-Hotline 1490.</b></p>

#### 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.

#### 1.4.2 Ministry of Interior

The Department of Provincial Administration received 16,698 petitions from 17 provinces and 16,676 of which have already been solved since 9 October to 24 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 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 and supported the water expelling to the sea, in which 15.8 million m<sup>3</sup> has been pushed out into the sea.

## 2. SITUATION ASSESSMENT/FORECAST

2.1 Department of Mineral Resources monitors and keeps close watch for flashflood and landslide in Surat Thani, Nakhon Si Thammarat, Phattalung, Song Khla, Trang, and Satun Province.

### 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 Suphanburi (Song Phi Nong District), and Nakhonpathom Province (Bang Len and Nakhon Chaisi 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 1.18 m. below river bank and of Rangsit Prayulsak canal at 1.36 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 Southern Basins (Nakhon Si Thammarat, Pattani, and Lower East Basin): All rivers are runoff.

#### ● The capacity of Major Dams:

- Bhumibol Dam: it reached 99 Percent of retention capacity. 19 million cubic meters received, 18 million cubic meters discharged. The additional retention is 131 million cubic meters.
- Sirikit Dam: it reached 99 Percent of retention capacity. 7 million cubic meters received, 11 million cubic meters discharged. The additional retention is 70 million cubic meters.

- **Kwae Noi Dam:** it reached 99 Percent of retention capacity. 0.87 million cubic meters received, 0.86 million cubic meters discharged.
- **Pasak Dam:** it reached 126 Percent of retention capacity. 0.73 million cubic meters received, 1.38 million cubic meters discharged.

**2.3 Bangkok Metropolitan Administrative (BMA)** On 25 November, the highest water level in Chao Phraya River at Pak Khlong Talad Station was 2.07 meters at 07.00 a.m. The following are overall canals water situation of BMA:

- **Western Side of BMA** the overflow from water breakthrough 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](http://www.bangkok.go.th).

**2.4 Hydrographic Department of the Royal Thai Navy:** On 25 Nov 2011, high-low tide of the sea can be expected twice at 01.14 a.m. for the lowest at 1.02 m. and the highest at 11.41 a.m. at 2.13 m; and at 12.24 p.m. for the lowest at 1.94 m., and the highest at 04.31 p.m. at 2.09 m.

### 3. Warning / Advisory Messages

Department of Thai Meteorological issued Warning No. 17 on November 25, 2011 at 04.30 p.m. for "Heavy rain and strong wind-wave in Southern Thailand" : The rather strong northeast monsoon remains cover the south and the Gulf of Thailand causing scattered to Fairly widespread thundershower and isolated heavy rainfall in the south east-coast from Surat Thani southward. People in risky areas along foothills near waterways and in lowlands are warned of flash flood. These areas include 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 2-3 meters high. All ships should proceed with caution and small boats stay ashore. People along southern east-coast are warned of high surfs in a couple days.

The high pressure area and the westerly trough remain over upper Thailand. Continuous cooler weather with temperature drops 2-4 degree and frost on high mountains of the North is expected during 26-28 Nov.

The advisory is in effect for Thailand from 25 November 2011.