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

DATE: Wednesday, November 30, 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 15 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; Eastern: Chacheongsao, Nakhon Nayok. The total of 104 Districts, 773 Sub-Districts, 4,898 Villages, 1,800,043 families and/or 4,827,958 people are affected by the flood. The total fatalities are 652 deaths and 3 missing. (Missing: 2 in Mae Hong Son, and 1 in Uttaradit)
  - 1.1.2 Southern Thailand: There are 8 provinces affected by flood, namely Phatthalung, Trang, Suratthani, Nahon Si Thammarat, Yala, Songkla, Narathiwas and Patthani. The total of 61 Districts, 319 Sub-Districts, 1,798 Villages, 134,853 families and/or 437,312 people are affected by the flood. The total fatalities are 9 deaths; 2 in Phattalung, 2 in Song Khla, 2 in Yala, 2 in Songkla and 3 in Narathiwat.
- **1.2** Amount of Rainfall: The heaviest rainfall in the past 24 hours is in Klong Kien Sub-district, Takua Pa District of Phang Nga Province at 43.5 mm.
- 1.3 Estimate Losses and Damages:
  - 1.3.1 <u>Agricultural impact</u>: Farming areas which would be affected are estimated at 1.20 million rai; 214,461 rai of fish/shrimp ponds and 29.41 million livestock (source: Ministry of Agriculture and Cooperatives).
  - 1.3.2 Transportation Routes:

Highway 32 main highways in 7 provinces are flooded and cannot be passed. For

more information, contact 1568.

Rural roads 144 rural roads in 27 provinces are not passable. Additional inquiry, call

1146.

State Railway of Thailand There are stations in Northern lines affected by flood namely; Bangkok

(Rangsit – Don Muang) ; Pathumthani (Rangsit – Chaing Rak) ; Suphan Buri (Nong Pla Duk – Suphan Buri) ; Nakhon Pathom (Salaya – Wat Suwan -

Ngew Rai). While short lines for the public are also affected by flood

namely; Bangkok - Klong Put Sa - Pa Chi Junction - Lopbur - Keng Koi

Junction. North: The long lines and business lines for the north take the east

lines substitute from Bangkok - Chaseongsao - Sip Kao Canal - Keng Koi

– Pa Chi Junction – Chiang Mai.

Northeast: This lines also take east routes start from Bangkok - Makkasan -

Chaseongsao – Sip Kao Canal – Keng Koi – Ubon Ratchathani or Nongkai

Suphan Buri: cannot take Nong Pla Duk - Suphan Buri.

Additional inquiry Call State Railway of Thailand Information Center 1690,

24 hrs.

The Express Way Authority

The EXAT, Ministry of Transportation cannot be operated for Udon Rattaya

Express Way (Bang Pa In - Pak Kred) at Bang Pa In, Chiang Rak and Bang

Poon Express Way due to the inundation at the toll collection areas. The

drivers can use alternate express way at Muang Thong and Sri Saman

Express Way.

The Transport Co.Ltd.

Northeast Route (In-Out bound) 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.

Northern Routes (In-Out bound) 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 Left

Exit at Asia Highways 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 Left Exit to Asia High Way and takes regular roads.

Southern Routes: operate to normal routes

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.

1.4.2 Ministry of Interior gathered reports of victim assistance operation in 13 provinces namely; Nakhon Sawan, Uthai Thani, Chai Nat, Singburi, Ang Thong, Lopburi, Phra Nakhon Si Ayutthaya, Pathumthani, Nonthaburi, Saraburi, Nakhon Pathom, Suphan Buri and Chaseongsao. Besides, MOI summarized operation of State Enterprises under MOI supervision such as Metropolitan Electricity Authority, Provincial Electricity Authority, Metropolitan Waterworks Authority and Provincial Waterworks Authority regarding victim assistance, manpower supports and equipment mobilization include 20 vocational training courses.

#### 1.4.3 Ministry of Natural Resources and Environment

Department of Water Resources drained flood to sea from Tha Chin River mainly and some part of the east. On November 29 the amount of 575,014 cubic meters of water was drained, from Oct 29 – Nov 29, 2011, more than 18.67 million cubic meters has been pushed to the sea. DWR also provided drinking water in 7 locations namely; DWR, Taweewatana Canal, Kajok Ngow Foundation, Klong Prem Central Prison Stadium, National Cancer Institute, Wang Noi District of Phra Nakhon Si Ayutthaya Province and Po Talay District of Phichit Province. Besides, EM for water treatment was distributed to people.

#### 1.4.4 Ministry of Public Health

Department of Mental Heath dispatched mobile mental medical teams to work with Provincial Public Heath and focused on victims in the shelters by triaging risk groups such as disability, old, former addicted people and chronic patients in 37 provinces.

Emergency Medical Institute of Thailand provided 9 Advance Life Support Teams at EMIT and 6 ALS at the provincial hospitals include 1 Basic Life Support Team.

#### 2. SITUATION ASSESSMENT/FORECAST

2.1 Thai Meteorological Department Another intense high pressure will cover northeastern Thailand and the upper South China Sea tomorrow (1 December 2011), existing for 3-4 days and weakening. A new intense high pressure will recover again on 8 December 2011.

From 2 December, the active northeast monsoon affects more rain and isolated heavy rain over southern Thailand

from Chumporn southward with the stronger wind-waves in the Gulf. The lower Gulf of Thailand has the 2-3 meter wind waves height.

- 2.2 Royal Irrigation Department (RID):
  - Water situation in major basins:
    - The Central Basins (Thachine): The water level is still higher than the river bank in some districts of 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 1.36 m. below river bank and of Rangsit Prayulsak canal at 1.49 m. below river bank. They are likely to decrease.
    - The Southern Basins (Nakhon Si Thammarat, Pattani, and Lower East Basin): All rivers are runoff.
- 2.3 Bangkok Metropolitan Administrative (BMA) On 30 November, the highest water level in Chao Phraya River at Pak Khlong Talad Station was 2.20 meters at 10.00 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 5 c.m. and Lower Hok Wa Canal at Song Canal Watergate reduced around 5 c.m.. Flood still existed in Don Muang, Lak Si, Sai Mai, Bang Khane, Lad Prao, Kan Na Yao, Meenburi and Klong Sam Wa District.
  - Eastern Side of BMA (Thonburi Area), the overflow still existed at 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. The inundation still existed Taweewatana, Taling Chan, Nong Kham, Bang Kae, Pasi Chareon District. The overall flood situation decreased 1-2 c.m. in the eastern part.

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 30 Nov 2011, high-low tide of the sea can be expected twice at 05.00 a.m. for the lowest at 0.88 m. and the highest at 12.13 a.m. at 2.07 m; and at 5.31 p.m. for the lowest at 1.55 m., and the highest at 08.21 p.m. at 1.66 m.