

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

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| DATE: Tuesday, November 15, 2011  | TIME: 09.00 | LOCATION: Disaster Relief Operation Center at Energy Complex |
| CHAIRPERSON: Mr.Panu Yamsri, Director of Disaster Mitigation Directing Center, DDPM |             |  |

### 1. CURRENT SITUATION

1.1 **Current flooded provinces:** there are 22 recent flooded provinces: **North**; (Nakhon Sawan, and Uthai Thani); **Central** (Chai Nat, Sing Buri, 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 and Prachinburi) The total of **144** Districts, **1,019** Sub-Districts, **7,197** Villages, **1,903,466** families and/or **5,148,327** people are affected by the flood. **The total fatalities are 562 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 Hua Sai District, Nakhon Si Thammarat Province at 41.5 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 24.11 million livestock (source: Ministry of Agriculture and Cooperatives).

#### 1.3.2 Transportation Routes :

**Highway** **58** main highways in **9** provinces are flooded and cannot be passed. For more information, contact 1568 or DDPM Hotline 1784.

**Rural roads** **185** rural roads in **27** provinces are not passable. Additional inquiry, call 1146.

**Expressway Authority of Thailand** The EXAT extended expressway fare exemption 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** 13 routes affected from floods as the followings;  
**Northern Routes:** (1) Laksi – Dong Mueang; (2) Don Mueang – Rangsit; (3) Rangsit – Chiang Rak and (4) Chaing Rak – Chiang Rak Noi

**Southern Route** (1) Bang Sue Junction – Bang Bam Ru ; (2) Thon Buri – Taling Chan Junction (3) Taling Chan Junction – Sala Thammasop ; (4) Salaya – Wat Suwan ; (5) Wat Suwan – Ngew Rai ; and (6) Nong Pla Duk Junction – Suphan Buri

**Mae Klong Route - Wong Wien Yai – Mahachai of Samutsakorn Province Route**

(1) Bang Bon station – Bang Po Station ; (2) Wong Wien Yai – Bang Bon; and (3) Mahachai Station

**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 – Mittapap Road – Take regular roads.

**Northern Routes (In-Out bound in the Morning and Afternoon)** starts from Bangkok Bus Terminal (Chatuchak) – Sri Ratch Express Way – Don Mueang Toll Way – Exit at Phaholyothin Road at the Royal Thai Mint Factory – Bang Pa In Grade Separation - Asia Highway and takes regular roads.

**Northern Routes (In-Out bound in the Evening and the Night Time)** starts from Bangkok Bus Terminal (Chatuchak) – Sri Ratch Express Way – Dao Kanong Express Way – Rama II – Mahachai District – Ban Preaw District of Samutsakorn Province – Nakhon Pathom Province – Suphan Buri Province – Singburi Province – Asia Highway and Take Regular roads.

**Southern Routes** – Southern Bus Terminal has moved to Holland Beer Garden on Rama 2 road.

**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 immediate relief provision; search and rescue operation, medical care/mental care service provision; preparation of Big sandbag Barriers at Lad Krabang and Bang Chan Industrial Estate; propelling of water into the sea especially in Bangkok and nearby areas such as Phra Nakorn Si Ayutthaya Province at Hi Tech and Bang Pa In Industrial Estate; preparation of aircrafts and vehicles for relief items, patients and evacuees transportation vehicles in 7 locations namely; (1)

Tung See Kan Welfare Housing (2) Royal Thai Army Club (3) Wang Hin Welfare Housing (4) Sanam Luang (5) Lad Krabang (6) Muang Thong Welfare Housing and (7) Pracha Cheun Welfare Housing and also providing boats for evacuees in Tung See Kan Area.

#### 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 (31 people), Territorial Defence Volunteers (50 people) to safeguard the area at all time. DDPM Operation on 14 Nov 2011, they produced additional 400 big sand bags and 80,000 small sand bags for flood fighting activities, provided 80,300 sand bags and 730 cubic meter of sand to many organizations/agencies.

**The Department of Provincial Administration** received 16,246 petitions from 17 provinces and 16,112 of which have already been solved since 9 October to 14 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, Prawes and Nong Jog Water Pump Station, Lower Hok Wa Canal, Underneath of Rang Sit Elevated Bridge and assisted FROC's activities.

#### 1.4.3 Ministry of Natural Resources and Environment

**Department of Water Resources (DWR)** operated "drainage water to sea project" through Tha Chin River in the East of BMA and had been supported 176 water pumps by Ministry of Interior to drain water the amount of 610,638 cubic meters on Oct 14, 2011. Since Oct 29 – Nov 14, 2011, the total amount of water 8,970,377 cubic meters was drained. The 3 purification water machines were installed at Taweewattana Canal and DWR, 24,673 people received 123,367 liters of drinking water and 2,115,435 EM balls and 115,163 bottles of liquid EM were distributed for water treatment.

**Department of Forestry** dispatched 542 officials and supported 2 flat boats and 14 trucks to assist victims in Taweewattana, Lad Lum Keaw, Chatuchak, Bang Khane, Don Muang, Lak Si, Sai Mai, Bang Bua Thong and Paholyothin Shelter.

**Department of Marine and Coastal Resources** dispatched 54 officials and provided 22 boats in the west to assist victims.

**Department of Pollution Control** distributed liquid EM the amount of 1,095 liters and dispatched official to verify water quality 5 locations at Hi Tech Industrial Estate and its quality was fair. The officials also verified water quality 5 location at Rojana Industrial Estate, its quality was poor.

**Department of Mineral Resources** supported vehicles for evacuee transportation at Klong Preng Sub District of Chaseongsao Province.

Department of Groundwater Resources provided drinking water. Victims can bring their own containers for drinking water, the list of water drinking distribution sites can be obtained at Tel. 02299 3900 or [www.dgr.go.th/flood](http://www.dgr.go.th/flood).

- 1.4.4 **Ministry of Public Health** reported 7 victims of dog bit and 11 contact rabies from evacuated dog from Bangkok to Chiang Mai. All patients have implanted rabies vaccines and cured their wounded. Provincial Livestock Development Office provided Ring Vaccination implantation to dogs and cats in the area of 1 k.m. vicinity and kept monitoring for 15 days.
- 1.4.5 **Emergency Medical Institute of Thailand** transferred 14 acute and normal patients by aircrafts, boats and vehicles. Additional inquiry call 1669.
- 1.4.6 **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](http://www.prd.go.th).

## 2. SITUATION ASSESSMENT/FORECAST

- 2.1 **Thai Meteorological Department (TMD):** The ridge of high pressure area from China will extend to upper Thailand. Isolated to widely light scattered rain and temperature is expected to drop. During 15-16 November, the rather active northeast monsoon across the lower south of Thailand and the Gulf of Thailand. Fairly widespread thundershower and isolated heavy rain are expected over the South east-coast. The wind-wave in the Gulf of Thailand is about 2 meters. All ships should proceed with caution.
- 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 0.65 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, Singburi, Suphanburi and Nakhonpathom Province. 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 0.71 m. below river bank and of Rangsit Prayulsak at 1.00 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:** 122.03 m<sup>3</sup>/day
    - **Capacity of water pumping:** Total amount is 41.77 m<sup>3</sup>/day, in which the eastern side of the river can pump water out at 30.58 m<sup>3</sup>/day and 11.19 m<sup>3</sup>/day of the western side of the river.
    - **Capacity of water draining:** Total amount is 80.26 m<sup>3</sup>/day. The eastern side of the river can drain 13.05 m<sup>3</sup>/day

and 67.21 m<sup>3</sup>/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 102 million cubic meters.
- **Sirikit Dam:** it reached 99.3 Percent of retention capacity. 13 million cubic meters received, 15 million cubic meters discharged. The additional retention is 49 million cubic meters.
- **Kwae Noi Dam:** it reached 100 Percent of retention capacity. 0.83 million cubic meters received, 0.86 million cubic meters discharged.
- **Pasak Dam:** it reached 128 Percent of retention capacity. 0.74 million cubic meters received, 1.8 million cubic meters discharged.

2.3 **Bangkok Metropolitan Administrative (BMA)** On 15 November, the highest water level in Chao Phraya River at Pak Khlong Talad Station was 2.34 meters at 09.15 a.m.

- **Flood in Western part of BMA:** Water level of Mahasawas Canal is still high because water runoff from Salaya district of Nakhonpathom Province keeps running to BMA and inundating the Thonburi areas.
- **Flood in Eastern part of BMA:** The overflow in Donmuang and Chatuchak District is still high while the inundation at Bang Sue District remained stable. The removal of big sand bags will affect to BMA inner areas, it is necessary to monitor water level closely. In Sai Mai District and upper Lad Praw Canal (Soi Senanikom, Lad Praw Temple, Soi Lad Praw 56), water level decreased a little amount while Bang Sue Canal (Ratchapisek Road) decreased rapidly.

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 15 Nov 2011, high-low tide of the sea can be expected twice. The first round of low-high tide will be at 04.26 a.m. with the lowest at 1.32 m, and the highest at 11.21 a.m. at 2.32 m. The second round will be at 03.33 p.m. with the lowest at 1.97 m. and the highest at 07.17 p.m. at 2.03 m.