

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

DATE: Friday, November 11, 2011	TIME: 09.00	LOCATION: Disaster Relief Operation Center at Energy Complex
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CHAIRPERSON: Mr.Panu Yamsri, Director of Disaster Mitigation Directing Center

### 1. CURRENT SITUATION

1.1 **Current flooded provinces:** there are 23 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, Mahasarakham and Kalasin); **Eastern** (Chacheongsao, Nakhon Nayok and Prachinburi) The total of **129** Districts, **1,018** Sub-Districts, **7,210** Villages, **1,315,870** families and/or **3,486,493** people are affected by the flood. **The total fatalities are 533 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 Tung Thong Sub-District, Nong Bua District, Nakhon Sawan Province at 40.0 mm.

#### 1.3 Estimate Losses and Damages:

1.3.1 Agricultural impact : Farming areas which would be affected are estimated at 11,190,000 rai; 199,577 rai of fish/shrimp ponds and over 24.11 million livestock (source: Ministry of Agriculture and Cooperatives).

#### 1.3.2 Transportation Routes :

**Highway:** 67 main highways in 10 provinces are flooded and cannot be passed. **For more information, contact 1568 or DDPM Hotline 1784.**

**Rural roads:** 187 rural roads in 29 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) Chalem 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** 11 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) Taling Chan Junction 3) Thon Buri – Taling Chan Junction 4) Taling Chan Junction – Sala Thammasop ; 5) Salaya – Wat Suwan ; 6) Wat Suwan – Ngew Rai ; and 7) 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 – 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 to Holland Beer Garden on Rama 2 road.

For more information, contact 24 hr. Hotline 1490.

salvage

#### 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 service provision; preparation of Big sandbag Barriers at Bang Chan Industrial Estate; propelling of water into the sea especially in the Bangkok and nearby areas such as Chaseongsao Province; preparation of aircrafts and vehicles for relief items, patients and evacuees transportation. They also retrofitted flood prevention barriers at Chanturibeksa road started from Vibhavadi Ransit Road – Paholyothin Road – Chantarubeksa Road. Besides, they provided divers to search for submerged machines of Private Companies in Pha Nakhon Si Ayutthaya Province.

#### 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, Territorial Defence to safeguard the area at all time.

DDPM Operation on 10 Nov 2011, they produced additional 2,200 big sand bags in order to support flood fighting activities, provided 44,580 sand bags and 4,800 cubic meter sand to BMA and Ministry of Transportation. **Additional inquiry call 1784.**

The Department of Provincial Administration received 16,099 petitions from 17 provinces and 15,918 of which have already been solved since 9 October to 10 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 (Phra Nakhon Si Ayutthaya, Nakhon Sawan, Ang Thong, Pathumthani, Nonthaburi and Nakhon Pathom) and FROC's activities.

#### 1.4.3 Ministry of Natural Resources and Environment

Department of Water Resources (DWR) supported 180 water pumps for water propelling to the sea in the west mainly through Tha Chine River. They also provided the amount of 52,611 liters of drinking water and installed two purification production machines to distribute to people in Taweewatana Canal and DWR.

Department of Groundwater Resources provided drinking water 115,000 liters. During 8 Oct – 10 Nov 2011, more than 3 million liters of drinking water was distributed in 48 sites in 15 provinces include 20 BMA sites and vicinity. People can bring their containers to receive drinking water at the sites. Water drinking distribution sites are available at Tel. 02299 3900 or [www.dgr.go.th/flood](http://www.dgr.go.th/flood).

Pollution Control Department provided 30,053 liquid microorganism, 42,000 bars of microorganism and 1,014 kg. microorganism powder.

Department of Forestry mobilized 504 manpower, 6 boats, 5 trucks to assist victims at Lad Lumkeaw District of Pathumthani Province, Don Meaung, Taweewattana, Bang Khane and Lak Si District of Bangkok.

#### 1.4.4 Ministry of Public Health provided mental therapy and mental health counselors at the temporary shelters, field hospitals.

Emergency Medical Institute of Thailand transferred 1,596 acute and normal patients by aircrafts, boats and vehicles. Additional inquiry call 1669.

## 2. SITUATION ASSESSMENT/FORECAST

2.1 Thai Meteorological Department (TMD): The rather active high pressure area from China has extended its ridge to cover upper Thailand. Decreasing temperature in the North, The Northeast, the Central and the East of Thailand with drop 2-4 °C.

During 11 – 16 November 2011, this active high pressure has still covered the upper Thailand, causing cool weather continually.

The northeast monsoon prevails over the South of Thailand. Scattered thundershower and isolated heavy rain is expected from Surat Thani Province southward.

#### 2.2 Royal Irrigation Department (RID):

- The North Basins (Ping and Yom basin): There is still river runoff in many areas of Ping Basin is decreasing 2.58 m. below river bank in Bunpotpisai District of Nakhon Sawan province while the Yom Basin, an inundation is decreasing 1.36 m. over river bank in Bang Rakum District of Phitsanuloke Province ; Potalay and Sam Yam District, 0.34 m. and 0.10 m. below river bank respectively.

- **Nan Basin** the overflow is likely to decrease below river bank 1.24 m. in Chumsang District of Nakhon Sawan Province.
- **The Central Basins (Thachine and Chao Phraya basin):** The overflow is likely to decrease at Thachine River in Meuang and Song Pee Nong District of Suphan Buri Province, 0.03 m. and 0.85 m. above river bank respectively. The inundation are reported at Mueang District of Nakhon Sawan Province at 1.29 m. below river bank, Sap Praya District of Chainat Province at 0.25 m. over river bank, Singburi province at 0.51 m. below river bank, Ang Thong province at 0.62 m. below river bank, Phra Nakhon Si Ayutthaya Province at 0.66 m above river bank and Bang Sai District of Phra Nakhon Si Ayutthaya Province at 0.44 m. over river bank. The overflow is likely to decrease.
- **Chulalongkorn Watergate, Pathum Thani Province** the overflow is likely to decrease at Chao Phaya River side at 0.65 m. below river bank and Rangsit Prayulsak at 0.90 m. below river bank.
- **The Northeastern Basins (Mun and Chi basin):** Inundation is reported in many areas, and likely to decrease
- **The capacity of Major Dams:**
  - **Bhumibol Dam:** it reached 99.3 Percent of retention capacity. 24 million cubic meters received, 26 million cubic meters discharged. The additional retention is 93 million cubic meters.
  - **Sirikit Dam:** it reached 99.6 Percent of retention capacity. 13 million cubic meters received, 15 million cubic meters discharged. The additional retention is 39 million cubic meters.
  - **Kwae Noi Dam:** it reached 100 Percent of retention capacity. 0.47 million cubic meters received, 0.86 million cubic meters discharged.
  - **Pasak Dam:** it reached 129 Percent of retention capacity. 2.38 million cubic meters received, 1.8 million cubic meters discharged.

2.3 **Bangkok Metropolitan Administrative (BMA)** On 11 November, the highest water level in Chao Phraya River at Pak Khlong Talad Station was 2.26 meters at 06.45 a.m.

- Flood In Eastern parts of BMA from the past 24 hrs., Lower Klong Hok Wa Canal, Lad Praw Canal remained stable at the high level at Lad Praw District. The overflow at the North of Premprachakorn Canal decreased slightly. The inundation at Bang Sue District is approaching river bank. Residents near Don Meaung Police Station removed big sand bags around 5 m. width, causing the overflow at Premprachakorn Canal increased. Water Pump Stations are still working full function operation.
- Flood in the Western parts of BMA at Mahasawas Canal remained at the high level, the overflow from Salaya is moving toward many areas of Thonburi Areas.
- BMA designated temporary shelters in many areas. For more information, contact 0-2248-5115 or BMA Hotline 1555, or <http://dds.bangkok.go.th>.

2.4 **Hydrographic Department of the Royal Thai Navy:** On 11 Nov 2011, sea level rises twice at 08.16 a.m. at 2.18 m. and at 5.25 p.m. at 2.02 m.