

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

DATE: Thursday, November 10, 2011	TIME: 09.00	LOCATION: Disaster Relief Operation Center at Energy Complex
CHAIRPERSON: Mr.Panu Yamsri, Director of Disaster Mitigation Directing Center		

### 1. CURRENT SITUATION

1.1 **Current flooded provinces:** there are 24 recent flooded provinces: **North;** (Phichit, 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 **136** Districts, **1,029** Sub-Districts, **7,371** Villages, **1,050,731** families and/or **2,843,340** 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 Khao Jet Luke Sub-District, Tap Klo District, Phichit Province at 79.5 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:** 69 main highways in 10 provinces are flooded and cannot be passed. **For more information, contact 1568 or DDPM Hotline 1784.**

**Rural roads:** 191 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; 1) Laksi – Dong Mueang ; 2) Don Mueang – Rangsit ; 3) Rangsit – Chiang Rak ; 4) Chaing Rak - Chiang Rak Noi ; 5) Ayutthaya – Ban Ma ; 6) Bang Sue Junction – Bang Bam Ru ; 7) Taling Chan Junction 8) Taling Chan Junction – Sala Thammasop ; 9) Salaya – Wat Suwan ; 10) Wat Suwan – Ngew Rai ; and 11) Nong Pla Duk Junction – Suphan Buri

**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 road.

**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.

#### 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 sandbags; propelling of water into the sea especially in the Bangkok and nearby areas; preparation of aircrafts and vehicles for relief items and evacuees transportation at Siriraj Hospital and public notification; and excavation 2 canals namely; 1 ) Mahanak Canal 460 m., 100% completed and 2) Bang Chan Canal 1,600 m. (64 %) of 2,500 m. completed for water drainage. They also retrofitted flood prevention barriers at Chanturibeksa roads The Royal Thai Air Force supported aircrafts to support aerial photograph.

#### 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 9 Nov 2011, they produced additional 2,500 big sand bags in order to support flood fighting activities, provided 46,800 sand bags and 1,300 cubic meter sand to BMA and Ministry of Transportation.

For more information contact 1784.

The Department of Provincial Administration received 16,053 petitions from 17 provinces and 15,877 of which have already been solved since 9 October to 9 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 to support water propelling to the sea in the west mainly through Tha Chine River during 29 October – 9 November 2011. On 9 November, 699,000 cubic metres were propelled, the total amount of 5,743,161 cubic meters were drained. They also provide the amount of 75,611 liters of drinking water and installed two purification production machines to distribute to people in Taweewatana Canal and DWR. At present, they distributed DASTA BALL for water Treatment to affected provinces and people.

Department of Groundwater Resources provided drinking water 112,009 liters. During 8 Oct – 9 Nov 2011, more than 3 million liters of drinking water was distributed in 48 sites in 15 provinces. People can bring their containers to receive drinking water at the sites. Water drinking distribution sites are available at tel.no. 02299 3900 or [www.dgr.go.th/flood](http://www.dgr.go.th/flood).

Pollution Control Department provided 29,851 diluted microorganism, 42,000 bars of microorganism and 829 kg. microorganism powder.

Department of Forestry mobilized 532 manpower to assist victims at Lad Lumkeaw District of Pathumthani Province, Don Meaung, Taweewattana, Bang Khane and Lak Si District of Bangkok.

Office of Aviation for Natural Resources Conservation supported helicopters to Emergency Medical Institute of Thailand to transfer patients and their missions.

1.4.4 Ministry of Public Health reported 7 Leptospirosis - suspected patients in Ayutthaya Province, no dead people reported. One of Seventy Two Diarrhea patients was found in Nonthaburi Province. The risk factor is contaminated drinking water, it is necessary to be boiled before consumption.

Emergency Medical Institute of Thailand transferred acute and normal patients by aircrafts, boats and vehicles. For more information contact Hot line number 1669.

1.4.7 Nation Public Relations Department broadcasted daily warning messages, summarized FROC activities, water management system, victim assistant knowledge such as electricity utilization guidelines during disaster, recovery procedure, police operation for property security, shelter services stress alleviation, flood prevention, live broadcast for flood situation update and recovery committees establishment.

NPRD will provide warning messages to the public to be careful during Loy Kratong Festival of fireworks and Sky lanterns.

The concerned agencies could support information to e-mail address : [IOCPRD@hotmail.com](mailto:IOCPRD@hotmail.com) and [IOCPRD@gmail.com](mailto:IOCPRD@gmail.com) at the FROC Public Relation Office at 1<sup>st</sup> Floor, Energy Complex, Ministry of Energy.

## 2. SITUATION ASSESSMENT/FORECAST

2.1 **Thai Meteorological Department (TMD):** During 10 November 2011, The rather active high pressure area from China has extended its ridge to cover upper Vietnam, Lao PDR and Thailand. The westerly trough across the North and the Northeast of Thailand. These causes widely scattered to scattered rain in the North, The Northeast, the Central and the East of Thailand with drop 4-6 °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 over the area.

### 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 2.56 m. below river bank in Bunpotpisai District of Nakhon Sawan province while the Yom Basin, an inundation is decreasing 1.41 m. below river bank in Bang Rakum District of Phitsanuloke Province ; Potalay and Sam Yam District, 0.32 m. and 0.06 m. below river bank respectively.
- **Nan Basin** the overflow is likely to decrease below river bank 1.21 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, 0.09 m. and 0.85 m. above river bank respectively. The inundation are reported at Mueang District of Nakhon Sawan Province at 1.23 m. below river bank, Sap Praya District of Chainat Province at 0.16 m. over river bank, Singburi province at 0.62 m. below river bank, Ang Thong province at 0.55 m. below river bank, Phra Nakhon Si Ayutthaya Province at 0.71 m above river bank and Bang Sai District of Phra Nakhon Si Ayutthaya Province at 0.45 m. over river bank. The overflow is likely to decrease.
- **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. 25 million cubic meters received, 30 million cubic meters discharged. The additional retention is 90 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 36 million cubic meters.
  - **Kwae Noi Dam:** it reached 100 Percent of retention capacity. 1.0 million cubic meters received, 0.86 million cubic meters discharged.
  - **Pasak Dam:** it reached 129 Percent of retention capacity. 0.74 million cubic meters received, 1.8 million cubic meters discharged.

2.3 **Department of Water Resource** reported river level at Mekong River in Chiang San District of Chiang Rai Province was 8.54 m., Meaung District of Nong Kai Province was 7.62 m., Meaung District of Nakhon Panom Province 8.62 m., Meaung District of Nakhon Panom Province 8.36 m. below river bank., Kong Jiam district of Ubon Ratchathani 9.54 m. below river bank, Chiang Khan District of Loei Province 10.12 m., it is likely to increase.

**2.3 Bangkok Metropolitan Administrative (BMA)** On 10 November, the highest water level in Chao Phraya River at Pak Khlong Talad Station was 2.10 meters at 07.35 a.m.

- Flood overflow In Eastern parts of BMA from the past 24 hrs., Lower Klong Hok Wa at Klong Song Watergate, Lad Praw Canal remained stable at the high level in Lad Praw Temple areas; Lad Praw Soi 56 and Pradit Munutham Road, The overflow at the North of Premprachakorn Canal and inner Premprachakorn Canal remained stable. 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 approaching to 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 10 Nov 2011, sea level rises twice at 07.35 a.m. at 2.10 m. and at 4.56 p.m. at 2.02 m. The sea level will rise again during 27-28 November 2011 at the same height as the previous time of 29 Oct 2011.