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

 DATE: Tuesday, November 29, 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 107 Districts, 869 Sub-Districts, 5,081 Villages, 1,820,668 families and/or 4,881,749 people are affected by the flood. The total fatalities are 621 deaths and 3 missing. (Missing: 2 in Mae Hong Son, and 1 in Uttaradit)
 - 1.1.2 Southern Thailand: There are 7 provinces affected by flood, namely Phatthalung, Trang, Suratthani, Nahon Si Thammarat, Yala, Songkla, and Narathiwas. The total of 49 Districts, 247 Sub-Districts, 1,447 Villages, 154,144 families and/or 324,242 people are affected by the flood. The total fatalities are 7 deaths; 2 in Phattalung, 2 in Song Khla, 2 in Yala, and 1 in Songkla.
- **1.2** Amount of Rainfall: The heaviest rainfall in the past 24 hours is in Dom Pradit Sub-district, Nam Yeun District of Ubon Ratchathani Province at 38.5 mm.

1.3 Estimate Losses and Damages:

- 1.3.1 <u>Agricultural impact</u> : Farming areas which would be affected are estimated at 12.11 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	33 main highways in 10 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 many routes that cannot be operated; 1 northern route (Express
	route no.11/10 both in- out bound BKK-Chiang Mai - BKK), 2 northeastern
	routes (no.233/234 both in – out bound BKK- Ubon Ratchathani –Bkk and
	BKK -Surin - BKK), however the other 8 northeastern routes change routes
	which are starting from BKK – Makkasan – Chaseongsao Junction – Sip Kao
	Junction – Keng Koi Junction – to regular routes. Regarding southern routes
	can operate to normal operation. Additional inquiry Call State Railway of
	Thailand Information Center 1690, 24 hrs.

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The Express Way AuthorityThe 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. For more information, contact 24 Hr-Hotline 1490.

1.4 Important Assistance Provision

1.4.1 <u>The Military</u> 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

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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 <u>Ministry of Interior</u> 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 28 the amount of 556,360 cubic meters of water was drained, from Oct 29 – Nov 28, 2011, more than 18 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 <u>Ministry of Public Health</u> provided and expedited regarding epidemic control, environmental Heath, Food and Water Drinking Safety to rehabilitate victims' livelihood to get back to normal.
 <u>Emergency Medical Institute of Thailand</u> provided 9 Advance Life Support Teams at EMIT and 6 ALS at the provincial hospitals include 1 Basic Life Support Team.
- 1.4.5 <u>National Public Relations Department</u> disseminated news and victim assistance via radio, internet at <u>www.prd.go.th</u>. Any flood information situation updating can be reported to NPRD at the FROC, 1st Floor of Energy Complex Building or E-mail address : <u>ICO_PRO@hotmail.com</u> or <u>IOCPRD@gmail.com</u>

2. SITUATION ASSESSMENT/FORECAST

2.1 Thai Meteorological Department The weak high pressure area has covered upper Thailand and the southeasterly wind blows to the central and the eastern part. The weather remains cool in the North and the Northeast of Thailand with morning fog and isolated thick patches. The moderate northeast monsoon prevails across the South China Sea and the lower Gulf of Thailand causing scattered thundershowers during this period together with weaken wind waves of Gulf of Thailand. The cool weather will reach Thailand on Dec 1, 2011.

2.2 Royal Irrigation Department (RID):

- Water situation in major basins:
 - 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

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(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 1.47 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 29 November, the highest water level in Chao Phraya River at Pak Khlong Talad Station was 2.13 meters at 11.36 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.
- 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.

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 29 Nov 2011, high-low tide of the sea can be expected twice at 04.29 a.m. for the lowest at 0.81 m. and the highest at 11.36 a.m. at 2.13 m; and at 3.14 p.m. for the lowest at 1.60 m., and the highest at 07.38 p.m. at 1.72 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.

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