

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

DATE: Thursday, December 1, 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 23 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 657 deaths and 3 missing.** (Missing: 2 in Mae Hong Son, and 1 in Uttaradit)

1.1.2 Southern Thailand: There are 6 provinces affected by flood, namely Phatthalung, Trang, Nakhon Si Thammarat, Yala, Songkla, and Patthani. The total of 42 Districts, 228 Sub-Districts, 1,421 Villages, 100,233 families and/or 334,361 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 Promlok Sub-district, Prom Kiri District of Nakhon Si Thammarat Province at 27.5 mm.

1.3 Estimate Losses and Damages:

1.3.1 Agricultural impact : Farming areas which would be affected are estimated at 12.11 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 21 main highways in 6 provinces are flooded and cannot be passed. For more information, contact 1568.

Rural roads 138 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; **North:** Don Muang – Rangsit and Rangsit – Chiang Rak; **South:** Salaya – Wat Suwan, Wat Suwan – Wat Ngew Rai, Nong Pla Duk Junction – Suphan Buri.

In addition, some north lines are not normally operated; Express 11/10 (Bangkok-Chiang Mai-Bangkok). Northeast lines: some lines are not operated; Rapid Line 141/142 (Bangkok-Ubonratchathani-Bangkok), Regular Line 233/234 (Bangkok-Surin-Bangkok). **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.

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 especially in Pra Nakhon Si Ayutthaya for recovery. RTAF also provided transportation for people in BMA and its vicinity and assisted in clean up the affected areas, such as Bang Plad District of BMA.

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 Chaeongsao. 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.

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 30 the amount of 535,352 cubic meters of water was drained, from Oct 29 – Nov 30, 2011, more than 19.21 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.

Department of Mineral Resource supported the relief operation in central part of the country, such as provision of transportation, and drinking water in BMA and nearby provinces.

1.4.4 Ministry of Public Health conducted sample collection from survival kits to investigate its hygiene. The results showed that all 17 samples are not expired. However, some samples did not meet the standard such as chili pastes due to intoxicated containers.

1.4.5 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 high pressure from China will cover upper Thailand bringing shower rain and cool to cold weather with 1-3 C drops. The northeast monsoon remains over the south and the Gulf of Thailand causing rainfall continue over the areas during the period. Nakhon Si Thammarat southward will experience heavy rain and stronger wind-waves in the Gulf of Thailand.

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

- Water situation in major basins:

- **The Central Basins (Thachine):** the water level in the basins is below river bank already and keep decreasing.

- **Chulalongkorn Watergate, Pathum Thani Province** the water level at Chao Phraya River side is decreasing at 0.16 m. below river bank and of Rangsit Prayulsak canal at 0.25 m. below river bank. They are likely to decrease.
- **The Southern Basins (Nakhon Si Thammarat, Pattani, and Lower East Basin):** some areas experienced river runoff at Huay Yod District of Trang Province and Su Ngai Golok District of Narathiwat Province.

2.3 Bangkok Metropolitan Administrative (BMA) On 1 December, the highest water level in Chao Phraya River at Pak Khlong Talad Station was 2.04 meters at 11.00 a.m. The following are overall canals water situation of BMA:

- **Eastern Side of BMA** the overflow from water breakthrough at Don Muang from Rang Sit decreased 10 c.m. and Lower Hok Wa Canal at Song Canal Watergate reduced around 54 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.
- **Western Side of BMA** 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 1-4 c.m.

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 1 Dec 2011, high-low tide of the sea can be expected twice at 05.23 a.m. for the lowest at 0.95 m. and the highest at 12.40 a.m. at 2.02 m; and at 5.31 p.m. for the lowest at 1.55 m., and the highest at 21.02 p.m. at 1.58 m.