

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

DATE: Monday, August 29, 2011	TIME: 09.00	LOCATION: Meeting Room 2, Ministry of Interior
CHAIRPERSON: Mr. Choncheun Boonyanhusan Deputy Permanent Secretary of Ministry of Interior		

### 1. SITUATION OVERVIEW

- 1.1 Since 25 July 2011, the impact of Tropical Storm "Nock-Ten" and heavy monsoon have triggered heavy rainfall and flooding over upper northeastern part down to central part of Thailand. Now **36** Provinces **280** Districts **1,866** Sub-Districts **15,410** villages are under disaster declaration. The total of **1,130,281** families and **3,871,098** people are affected by flooding situation.
- 1.2 **The total fatalities are 49 deaths and 1 missing.** (Fatalities: 1 in Udonthani, Sakonnakorn, Uttaradit, Petchaboon and Nakornsawan; 2 in Chiang Mai, Tak, Nakorn Phanom, Roi-et; 3 in Pitsanulok; 4 in Prachinburi; 6 in Sukothai; 7 in Mae Hong Sorn; and 8 in Prae and , Pichit; Missing: 1 in Mae Hong Son)

### 2. CURRENT SITUATION

- 2.1 There are **13 recent flooded provinces**: Sukothai, Pichit, Pitsanulok, Nakorn Sawan, Nakorn Nayok, Pra Nakhon Si Ayutthaya, Ang Thong, Chainart, Ubon Ratchathani, Ranong, Suratthani, Phang Nga and Phuket. The total of **57** Districts, **366** Sub-Districts, **2,116** Villages, **196,869** families and/or **592,070** people are affected by the flood.
- 2.2 **Weather Condition**: The rather strong monsoon trough remains lie across the lower portion of the North, the Central and the East. An active southwest monsoon prevails over the Andaman Sea, southern Thailand and the Gulf. Abundant rain and isolated heavy to falls is likely over the country. People in the risky areas are warned of flooding during this period. These areas include of Lamphun, Lampang, Uttaradit, Sukhothai, Tak, Phitsanulok, Rayong, Chanthaburi, Trat, Ranong, Phang-nga, Surat Thani, Phuket, Krabi, Trang and Satun. Strong wind-wave is likely in the Andaman Sea and the upper Gulf with 2-3 meters high. All ship should proceed with caution and small boats keep ashore during 1-2 days. (Thai Meteorological Department : TMD)
- 2.3 **Amount of Rainfall**: The heaviest rainfall in the past 24 hours is at Bor Ploy Sub-district, Bor Rai District of Trad Province at 165.5 mm.

## 2. CURRENT SITUATION (CONT'D)

### 2.4 Estimate Damages:

2.4.1 Agricultural impact: farming areas which would be affected are estimated at 1,320,531 acres, 19,583 acres for fisheries and 2.06 million livestock.

### 2.4.2 Transportation routes:

**Highway:** 10 main highways in 7 provinces are flooded and cannot be passed (**Sukothai Province:** route 1195 Sawankalok-Sukothai at KM.19 - 32, divert to route 101; route 1293 Sukothai- Pitsanulok at KM.8-11, there was 35 centimeter flood, divert to route 1311 Kirimas-Nongbua; **Pichit Province:** route 1313 Bangmoonak-Tapanhin at KM. 0-1, divert to route 1118 Tapanhin-Bangmoonak; **Nan Province:** route 1339 Paknai-Nameun at k.m.19-20, no divert route; route 1333 Mae Sanan-Sobmang KM. 0-1, divert to route 1081; route 1081 Namchang – Huaykron at k.m. 142, divert to route 1081 Pua – Namya; **Chiang Mai Province:** route 1349 Watchan – Kanlayaniwatthana at k.m. 52-88, divert to route 1263 Pai – Wang Chan; **Phang Nga Province:** route 4 Bang Sak – Tai Muang at k.m. 60-62, divert to rural road, route 4032: Takuapa – Phang Nga at k.m. 3 – 8, divert to Local Administrative road, route 4090 : Kaosok – Phang Nga at k.m. 8-13, divert to Local Administrative road; and **Phuket Province:** route 4021 Tedsaban Phuket-Sam Yak Na Born at K.M. 15-16, divert to rural road)

**Rural roads:** 13 rural roads in 6 provinces are not passable (4 roads in Pichit; 3 roads in Chiang Mai, 2 roads in Nakorn Sawan and Nakorn panom, and Roi-et, 1 road in Pitsanulok and Rayong). **Additional inquiry, please call 1146.**

**Railway:** Northern line to Chiang Mai is normally operated. **For more information, please call the Hot Line 1690 and [www.railway.go.th](http://www.railway.go.th).**

### 2.4.3 Health care facilities

Fifty (50) health facilities are affected by flood. One hospital (Patong Hospital) is most affected and can providing services at some extent. It is expected to be able to resume its full service by the end of this week.

### 2.4.4 Ground Water Ponds

The total of 8,299 ground water ponds are affected, while the 2,221 closed system pond are damaged by flood. The Department of Ground Water has distributed 2,276,503 liters of drinking water for affected people.

## 2. CURRENT SITUATION (CONT'D)

### 2.5 Important assistance provision

2.5.1 The Princes-Pa-Foundation coordinated with the Department of Ground Water to provide 2,000 sets of 5-litre water gallons together with relief kits to affected people in Sukhothai Province.

2.5.2 The Royal Thai Army Disaster Relief Operation Center deployed 360 manpower to assist the affected people in 6 provinces, namely Sukhothai, Phichit, Pitsanulok, Nakorn Sawan, Phra Nakorn Sri Ayudhdhaya, and Ang Thong Provinces. Third Regional Army Commander accompanied the Prime Minister visiting the affected areas in Bang Rakum District of Pitsanulok province, as well as supporting resources to facilitate the relief efforts of concerned agencies in Nakorn Sawan, Ang-Thong and Phra Nakorn Sri Ayudhdhaya Provinces.

## 3. SITUATION ASSESSMENT

- In the next 24 hours, heavy rainfalls can be expected in the Lower North, Eastern (Chantaburi and Trad), and Western coast of the south (Pang Nga, Ranong, and Phuket Province).
- During 28-29 August 2011, strong monsoon is passing over west side of the North, Central, and Eastern part of Thailand. Southwest monsoon is also crossing over Andaman Sea and The Gulf of Thailand, causing heavy rainfall in some part of the North, East, Central and west side of the south. Wave height at 2-3 meters is expected.
- During 30 August – 3 September 2011, less rainfall is predicted due to the weakened monsoon over Andaman Sea and the southern part of Thailand. Wave height is consequently lowering.
- **Ping Basin:** Water level is lowering in Sun Kampaeng District of Chaingmai Province. Water level remains high in Muang District of Lumpun Province.
- **Yom Basin:** an inundation is increasing in Srisamrong District of Sukhothai Province. Still inundation is reported at Bangragum District of Phitsanuloke province and Potalay District of Phichit Province. Popratapchang District of Phichit Province is increasing.
- **Nan Basin:** Inundation at Bangrakum District of Pitsanulok Province and Potalay District of Phichit Province remained stable.
- **Pasak Basin:** the inundation at Wichienburi District, Petchabun Province remained stable.
- **Chao Phraya Basin:** Overflow is reported at Bang Luang canal and Bang Ban canal in Bang Ban District of Phra Nakorn Sri Ayudhdhaya Province.
- **Shi Basin:** Inundation is at Muang and Mahachanachai District of Yasotorn Province, but causing no damage to any households.

- Mae Kong Basin: Inundated water is decreasing, except at Songkhram river, Kum River, Mong River and Luang River.

#### 4. WARNING AND ADVISORY MESSAGE

- **Flash flood and landslide** are expected at Bor Rai District of Trad Province; and Muang District, Tha Mai District, and Khlung District of Chanthaburi province
- People living in risk areas must be aware of flash flood and landslide, especially in near mountain hill and water way in Mae Hong Son, Chiang Mai, Chiang Rai, Lampun, Lampang, Uttaradit, Sukhothai, Tak, Pitsanulok, Rayong, Chantaburi, Trad Ranong, Pang Nga, Phuket, Surattani, Krabi, Trang and Satun provinces.
- Strong wind and high wave of 2-3 m. is expected at the Andaman coast and the Gulf of thailand, small boats should not be offshore within 1-2 days.

#### 5. THE 2P2R MEASURES

##### PREPARATION

- An integrated disaster management effort (One Stop Service) should be emphasized at all level of operation. The designation of responsible body should also be determined so as to ensure the ongoing implementation and monitoring of the situation and executive directions.
- Department of Provincial Administration is the key responsible body to closely coordinate with district administration offices for local capacity status and their implementation according to the Central EOC measures.
- Department of Disaster Prevention and Mitigation should coordinate closely with the Department of Public Information in regard of the ongoing launching of public education campaign for disaster-related hazards awareness in flood affected areas.
- The risks and flooded provinces in northern, central, eastern and west side of the southern regions should be ready to respond to any emergency arise. Accordingly, the EOC at local level should be run integratedly under the "One Stop Service" theme to be the center for all related information, operation, command and control. The local EOC should coordinate information with Provincial EOC to report to the Central EOC at 16.00 hr. every day.

##### RESPONSE

- Ministry of Public Health has to report the disaster assistance provision in the areas with long-term flooding such as providing mobile health care unit, mental health care provision.

- Provinces listed in Item No. 3 and Item No. 4 should closely monitoring the situation and timely respond to emergencies.
- Emergency Institute of Thailand (EMIT) advised EMS in Phuket and Pang Nga Province to be ready for giving assistance to affected victims and report the situation of the casualties to the Center. EMIT can assist in requesting additional resources from private partners to the affected areas. So when needed support, please contact EMIT Hot Line 1669

#### RECOVERY

- According to the Cabinet Resolution of 25 August 2011 on agricultural assistance, Ministry of Agriculture and Cooperatives called for a meeting of Agricultural Officers at provincial office on 29 August 2011 to exercise the victim assistance procedures. The participants are requested to prepare relevant information, as well as problems to be raised in the meeting.
- In the areas affected by long-term flood, the Ministry of Public Health should provide a holistic health care including mental health of the disaster victims.

#### PREVENTION

- Concerned agencies should be concerned for flood related diseases and epidemic such as leptospirosis and foot and mouth disease. Public health education on do's and dont's for personal hygiene such as wearing boots when going out at the flooded areas should also be promoted widely.