

Typhoon Fitow Disaster Response Report – 3rd Report

Central Emergency Operation Center
Data as of 06.10.2013 21:15

I. Typhoon Summary (Source: Central Weather Bureau)

The MOTC Central Weather Bureau issued the sea warning for Medium Typhoon Fitow at 23:30 on October 4, 2013, followed by the sea and land warning at 14:30 on October 5. At 20:00 on October 6, the typhoon center was located at 26.7 degrees north latitude and 121.6 degrees east longitude, placing it out at sea approximately 190 km north of Taipei. The Category 4 storm has a storm radius of 220km and Category 5 storm has a storm radius of 80km. The typhoon is moving at a rate of 18 km/h in the west-northwest by west direction. The latest update showed that Typhoon Fitow has decreased slightly in strength and the storm circle has also become smaller over the past 3 hours. The center is currently out at sea north of Taipei and moving in the north-northwest by west direction. The storm circle is continuing to affect the regions north of Miaoli, Yilan and Matsu. Heavy rains and strong winds persist in northern Taiwan, and shows signs of increasing in strength in Matsu. The typhoon is expected to continue declining in strength and the storm circle is also showing signs of shrinking. Keelung, New Taipei, Taipei, Taoyuan, Hsinchu, Miaoli, Yilan and Matsu should all take extra precautions as well as prepare for strong winds and heavy rain. Shipping sailing or operating off Taiwan's north coast, northeastern coast and in the northern part of the Taiwan Strait should take extra precautions. Keelung's north coast, the mountain areas north of Miaoli and the mountain areas of Yilan will experience torrential rain or extremely torrential rain today (October 6). Northern Taiwan, northeastern Taiwan, eastern Taiwan, Matsu and the southern mountains have a chance of experiencing heavy rain or extremely heavy rain. Please watch out for landslides, falling rocks, debris flows and flash floods. Low-lying areas should take precautions against flooding. Taipei City, New Taipei City, Taoyuan County, Hsinchu County, Miaoli County and Yilan County should all watch out for extremely torrential rains. All coastal regions of Taiwan are continuing to see strong winds and high waves accompanied by strong gusts so precautions should be taken. Spring tide is currently in effect so low-lying areas in western Taiwan should take precautions against flooding and storm surge.

II. Disaster Profile

A. Rainfall (Source: Central Weather Bureau, Ministry of Transportation and Communications) (Data from 10/05 00:00 to 10/06 21:00)

Area	Rainfall (mm)
Niaozuishan, Jianshi Township, Hsinchu County	537
Fushan, Wulai District of New Taipei City	404
Gauyi, Fuxing Township, Taoyuan County	384
Tai-an, Tai-an Township, Miaoli County	356
Zhuzihu, Shilin District of Taipei City	271

B. Wind Speed (Source: Central Weather Bureau, Ministry of Transportation and Communications)

Area	Instantaneous maximum gust speed (Wind category)
Lanyu, Lanyu Township of Taitung County	11
Pengjia Islet, Zhongzheng District, Keelung City	11
Wuci, Wuqi District of Taichung City	10
Dongji, Wangjia Township of Penghu County	10

III. Typhoon Response

A. City-county emergency operation centers established (Source: National Fire Agency, Ministry of the Interior)

Type	Number of EOCs established	Location
County/City	10	Level 1: Taipei City, New Taipei City, Taichung City, Taoyuan County, Yilan County, Keelung City Level 2: Hsinchu County, Miaoli County, Lienchiang County, Hsinchu City
Port	3	Level 1: Keelung Port, Taichung Port Level 2: Hualien Port

B. Danger areas declared (Source: National Fire Agency, Ministry of the Interior)

County/City	Number of danger areas					Enforcement	
	Low-lying area	Mountain	Coast	River	Other	Warnings issued	Penalty notices issued
Taipei City	0	0	0	0	0	0	0
New Taipei City	0	1	7	7	9	0	0
Taoyuan County	0	1	4	0	0	0	0
Yilan County	0	143	5	35	13	0	0
Keelung City	0	0	1	0	0	0	0
Total	0	145	17	42	22	0	0

C. Distribution of debris flow danger areas (Source: Soil and Water Conservation Bureau, Council of Agriculture)

County/City	Debris Flow Danger Areas							
	Yellow Alert			Red Alert			Total	
	Potential debris flow rivers	Township	Village	Potential debris flow rivers	Township	Village	Potential debris flow rivers	Status
Taoyuan County	30	1	10	0	0	0	30	-
Hsinchu County	3	1	1	38	2	10	41	-

Notes: Response to alert:

1. Yellow Alert (predicted rainfall higher than debris flow warning threshold): Local governments should advise residents to evacuate.
2. Red Alert (actual rainfall has reached debris flow warning threshold): Local government may issue mandatory evacuation orders based on local rainfall and actual conditions.

D. Accommodation of fishermen from Mainland China (Source: Council of Agriculture, Executive Yuan)

Time	Accommodated on boats	Accommodated on shore	Total
2013/10/06 20:33	1073	668	1741
2013/10/06 08:30	1119	670	1789
2013/10/05 16:57	1019	783	1802
2013/10/05 10:17	682	236	918

E. Mountain climber contact (Source: National Police Agency, Ministry of the Interior)

Mountain Climbing Applications	Persuaded to not enter mountain areas	Climbers contacted				Climbers out of contact
		Already left the mountains	Safe accommodation in the mountains	Shelter in place	Leaving the mountains	

Case	Persons	Case	Persons	Case	Persons	Case	Persons	Case	Persons	Case	Persons	Case	Persons
282	2053	192	1448	87	550	3	55	0	0	0	0	0	0

(Note: Climbers out of contact refers to climbers that have not contacted rangers, family members or the police for more than 48 hours after entering the mountain areas. This table was compiled by the MOI National Police Agency and the MOI Construction and Planning Agency)

IV. Disaster statistics

A. Deaths and injuries (Source: National Fire Agency, Ministry of the Interior)

No injuries or deaths have been reported so far.

B. Lifeline damage (Source: Ministry of Economic Affairs, National Communications Commission)

Unit	Item	Scale of impact	Emergency repairs completed (Households, Sites)	Awaiting repairs (Households, Sites)	Remarks
Ministry of Economic Affairs	Water supply	0	0	0	
	Electricity	13460	11022	2438	Taiping District of Taichung City
	Gas	0	0	0	
National Communications Commission	Telecommunications (Fixed line)	0	0	0	
	Telecommunications (Cell station)	11	7	4	Taipei City (Shilin District): 2 stations Hsinchu County (Wufeng Township): 1 station Miaoli County Taian Township): 1 station Estimated repair time: 16:00 2013/10/07

(Note: This table was filled out by the Ministry of Economic Affairs based on National Communications Commission statistics)

C. Transportation

(1) Transportation damage and repairs (Source: Ministry of Transportation and Communications)

Item	Disaster affected sites (sites)	Repaired (sites)	Not repaired (sites)	Remarks
National Highway	0	0	0	
Provincial Highway	1	0	1	1. Provincial Highway 7 049K + 500 ~ 049K+550: Blocked after landslide caused by heavy rains. Traffic closed in both directions between Provincial Highway 7 22K ~ 61K.
(Self) Adopted County Roads	0	0	0	
Township Road	1	0	1	Yilan County Road 51 012K+000: Emergency closure of Tianguer River causeway to prevent any accidents from Typhoon Fitow making landfall.
Main road access for indigenous area	0	0	0	
Agricultural road	0	0	0	
City road	0	0	0	
Total	2	0	2	

(Note: This table was compiled by the Ministry of Transportation Communications based on statistics provided by the EY Council of Indigenous Peoples, EY Council of Agriculture and MOI Construction and Planning Agency)

(2) Flight cancellations (Source: Ministry of Transportation and Communications)

A total of 312 flights were cancelled or delayed due to the effects of Typhoon Fitow. (See attachment for details)

V. Support for City-County Emergency Operations

A. Emergency response readiness (Source: Ministry of National Defense)

The first emergency response force of 800 people can be deployed with 10 minutes' notice.

The second emergency response force of 1200 people can be deployed with 3 hours' notice.

B. Military personnel pre-deployed in high risk areas (Source: Ministry of National Defense)

The military has pre-deployed a total of 204 servicemen and 45 vehicles in 4 types in high-risk areas.

Table of Pre-Deployed Military Emergency Response Forces on Taiwan					
Area	3rd Combat Zone (North)	5th Combat Zone (Central)	4th Combat Zone (South)	2nd Combat Zone (East)	Total
Location					
Pre-deployed Personnel	204 people	0 people	0 people	0 people	204 people
Pre-deployed vehicles	4 types, 45 vehicles	0 types, 0 vehicles	0 types, 0 vehicles	0 types, 0 vehicles	4 types, 45 vehicles