

Typhoon Fitow Disaster Response Report - 1st Report

Central Emergency Operation Center
Data as of 05.10.2013 21:00

I. Typhoon Summary (Source: Central Weather Bureau)

The 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 5, the typhoon was located at 25.1 degrees north latitude and 126.0 degrees east latitude. This placed the typhoon out at sea 450 km east of Taipei. The Category 4 storm has a storm radius of 250km and Category 5 storm has a storm radius of 80km The typhoon is moving at 19 km/h in the west-northwest direction. The latest update indicated that the typhoon center is out at sea east of Taipei and continuing to move in the west-northwest direction. The storm circle has now entered the waters off northern and eastern Taiwan, so poses a threat to all regions north of Hsinchu as well as Yilan. Keelung, New Taipei, Taipei, Taoyuan, Hsinchu and Yilan should all take extra precautions as well as prepare for strong winds and heavy rain. Shipping sailing or operating off Taiwan's north coast, northeast coast, southeast coast and in the northern part of the Taiwan Strait should take extra precautions. Long waves have appeared along Taiwan's northern and eastern coast as well as Mazu, Lyudao, Hengchun Peninsula and Dongsha Island. Northern Taiwan as well as the eastern coast have experienced strong gusts of wind and starting tomorrow (October 6), Force 8 to 9 gusts are expected along the southwestern coast as well so please stay alert. Spring tide is currently in effect so low-lying areas in northern Taiwan should take precautions against flooding and storm surge. Due to the effect of Typhoon Fitow, between tonight (October 5) and tomorrow night (October 6), Keelung's northern coast, the mountain areas north of Miaoli as well as the mountain areas of Yilan will experience torrential rain or extremely torrential rain. The mountain areas of Taichung and the mountain areas of Nantou may experience localized heavy rain or very heavy rain. The mountain areas in the north, northeast, east and south 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 regions should take precautions against flooding. Rainfall warning areas: Miaoli should take extra precautions.

II. Disaster Profile

A. Rainfall (Source: Central Weather Bureau, Ministry of Transportation and Communications) (Data from 10/5 00:00 to 10/5 20:00)

Area	Rainfall (mm)
Tonghou, Wulai District of New Taipei City	145.0
Guandu, Beitou District of Taipei City	139.0
Datunshan, Tamsui District, New Taipei City	124.5

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

Area	Instantaneous maximum gust speed (Wind category)
Wuci, Wuqi District of Taichung City	10
Lanyu, Lanyu Township of Taitung County	10
Pengjia Islet, Zhongzheng District, Keelung City	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	6	Level 1: Taipei City, New Taipei City, Taoyuan County, Yilan County, Keelung City Level 2: Lienchiang County
Port	3	Level 1: Taichung Port Level 2: Keelung Port, Hualien Port

B. Danger areas declared (Source: National Fire Agency, Ministry of the Interior)
(Total of 217 sites including 0 low lying areas, 144 mountain areas, 13 coastal sites, 42 river areas, and 18 other sites. 0 warnings issued.)

County/City	Number of danger areas					Enforcement	
	Low-lying area	Mountain	Coast	River	Other	Warnings issued	Penalty notices issued
New Taipei City	0	1	7	7	5	0	0
Keelung City	0	0	1	0	0	0	0
Yilan County	0	143	5	35	13	0	0
Total	0	144	13	42	18	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	Remarks
Taoyuan County	30	1	10	0	0	0	30	
Hsinchu County	41	2	11	0	0	0	41	
Total	71	3	21	0	0	0	71	

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
2013/10/5 21:00	1019	783	1802

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

Table created: 21:00, 05/10/2013

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

77	712	68	670	9	42	0	0	0	0	0	0	0	0
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(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	Electricity	184	176	8	8 households in Daya District, Taichung, still without power. Emergency repairs continuing.

(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
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.
Total	1	0	1	

(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 26 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.

Area	3rd Combat Zone (North)	5th Combat Zone (Central)	4th Combat Zone (South)	2nd Combat Zone (East)
1st Emergency Response Force	200 people	200 people	200 people	200 people
Subtotal	800 people			
2nd Emergency Response Force	300 people	300 people	300 people	300 people
Subtotal	1200 people			

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

The military has pre-deployed a total of 84 servicemen and 11 vehicles in 3 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
Pre-deployed Personnel	84 people	0 people	0 people	0 people	84 people
Pre-deployed vehicles	3 types, 11 vehicles	0 types, 0 vehicles	0 types, 0 vehicles	0 types, 0 vehicles	3 types, 11 vehicles